

Ensembl ID	Gene symbol	b	se_b	p-value	q-value
ENSMUSG00000026558	UCK2	3.211592	0.086323	5.79E-303	9.83E-299
ENSMUSG00000069008	GM5537	-8.37156	0.231306	7.94E-287	6.74E-283
ENSMUSG00000027014	CWC22	3.024808	0.093476	1.03E-229	5.81E-226
ENSMUSG00000020458	RTN4	2.488197	0.083074	4.18E-197	1.77E-193
ENSMUSG00000021390	OGN	-2.58869	0.087345	4.94E-193	1.68E-189
ENSMUSG00000031790	MMP15	-2.59015	0.087635	5.46E-192	1.55E-188
ENSMUSG00000026824	KCNJ3	-2.90341	0.099753	3.01E-186	7.30E-183
ENSMUSG00000013584	ALDH1A2	2.993281	0.107017	3.75E-172	7.95E-169
ENSMUSG00000025092	HSPA12A	-2.68024	0.10131	3.12E-154	5.89E-151
ENSMUSG00000046034	OTULIN	2.190224	0.08329	2.11E-152	3.58E-149
ENSMUSG00000001020	S100A4	3.629963	0.138814	9.91E-151	1.53E-147
ENSMUSG00000052316	LRRC15	-3.67377	0.140985	1.10E-149	1.55E-146
ENSMUSG00000004951	HSPB1	2.369249	0.091269	1.45E-148	1.89E-145
ENSMUSG00000022442	TTLL1	-2.34504	0.091342	2.33E-145	2.83E-142
ENSMUSG000000109129	GM44973	6.837679	0.274546	6.50E-137	7.36E-134
ENSMUSG00000064225	PAQR9	-2.11731	0.086059	1.17E-133	1.24E-130
ENSMUSG00000040659	EFHD2	2.033394	0.082934	9.46E-133	9.45E-130
ENSMUSG00000049103	CCR2	4.424957	0.182058	1.73E-130	1.63E-127
ENSMUSG00000001131	TIMP1	5.220188	0.215089	4.08E-130	3.65E-127
ENSMUSG00000027765	P2RY1	-2.84726	0.118021	1.37E-128	1.16E-125
ENSMUSG00000041741	PDE3A	-2.07797	0.087004	4.52E-126	3.66E-123
ENSMUSG00000041757	PLEKHA6	-2.08982	0.088231	5.06E-124	3.90E-121
ENSMUSG00000038217	TLCD2	2.233735	0.094459	1.25E-123	9.23E-121
ENSMUSG00000005220	CORIN	-2.47714	0.104976	4.12E-123	2.91E-120
ENSMUSG00000054619	METTL7A1	-2.21911	0.094864	5.10E-121	3.46E-118
ENSMUSG00000025804	CCR1	3.740001	0.159946	6.39E-121	4.17E-118
ENSMUSG00000035671	ZSWIM4	1.953541	0.086313	2.05E-113	1.29E-110
ENSMUSG00000028919	ARHGEF19	-2.88312	0.128556	2.15E-111	1.30E-108
ENSMUSG00000044533	RPS2	-3.84734	0.17179	4.35E-111	2.55E-108
ENSMUSG00000082935	GM7658	6.444141	0.288903	3.26E-110	1.85E-107
ENSMUSG00000034910	PYGO1	-2.27059	0.10185	4.28E-110	2.35E-107
ENSMUSG00000032177	PDE4A	-2.9836	0.134346	2.86E-109	1.52E-106
ENSMUSG00000002346	SLC25A42	-1.8912	0.085585	3.35E-108	1.73E-105
ENSMUSG00000020250	TXNRD1	1.835252	0.083544	5.89E-107	2.94E-104
ENSMUSG00000023828	SLC22A3	-2.86678	0.130864	2.25E-106	1.09E-103
ENSMUSG00000083833	GM13841	-3.62821	0.165931	5.51E-106	2.53E-103
ENSMUSG00000094497	GM8210	-3.62821	0.165931	5.51E-106	2.53E-103
ENSMUSG00000051067	LINGO3	-3.30031	0.151127	1.01E-105	4.52E-103
ENSMUSG00000042793	LGR6	-2.8806	0.132314	4.38E-105	1.91E-102
ENSMUSG00000035049	RRP12	1.815482	0.083576	1.26E-104	5.34E-102
ENSMUSG00000039763	DNAJC28	-2.29546	0.106003	5.50E-104	2.28E-101
ENSMUSG00000030513	PCSK6	-2.34325	0.108246	6.41E-104	2.59E-101
ENSMUSG00000033793	ATP6V1H	1.795718	0.082991	7.95E-104	3.14E-101
ENSMUSG00000031698	MYLK3	-1.84263	0.085281	1.56E-103	6.02E-101
ENSMUSG00000094125	GM13698	6.248975	0.290273	8.53E-103	2.96E-100
ENSMUSG00000094336	GM13693	6.248975	0.290273	8.53E-103	2.96E-100
ENSMUSG00000095824	GM13697	6.248975	0.290273	8.53E-103	2.96E-100
ENSMUSG00000096337	GM13694	6.248975	0.290273	8.53E-103	2.96E-100
ENSMUSG00000096484	GM13696	6.248975	0.290273	8.53E-103	2.96E-100

ENSMUSG00000056367	ACTR3B	-2.11025	0.098086	1.15E-102	3.89E-100
ENSMUSG00000034295	FHOD3	-1.81497	0.084457	1.94E-102	6.46E-100
ENSMUSG00000040025	YTHDF2	1.850649	0.086669	3.66E-101	1.20E-98
ENSMUSG00000038583	PLN	-2.2185	0.104686	1.14E-99	3.64E-97
ENSMUSG00000049265	KCNK3	-1.89641	0.090211	4.12E-98	1.30E-95
ENSMUSG00000040648	PPIP5K2	-1.75367	0.083438	4.53E-98	1.40E-95
ENSMUSG00000020325	FSTL3	2.249073	0.107277	1.37E-97	4.15E-95
ENSMUSG00000015312	GADD45B	2.275778	0.108888	5.34E-97	1.59E-94
ENSMUSG00000057561	EIF1A	1.777498	0.085577	7.96E-96	2.33E-93
ENSMUSG00000030098	GRIP2	-2.1512	0.103825	2.32E-95	6.66E-93
ENSMUSG00000033610	PANK1	-1.8436	0.089523	3.13E-94	8.86E-92
ENSMUSG00000036057	PTPN23	2.043753	0.09958	1.32E-93	3.68E-91
ENSMUSG00000028466	CREB3	1.978283	0.096443	1.67E-93	4.56E-91
ENSMUSG00000050592	FAM78A	-2.3904	0.117716	1.13E-91	3.04E-89
ENSMUSG00000029392	RILPL1	-1.69834	0.083707	1.61E-91	4.26E-89
ENSMUSG00000039891	TXLNB	-2.80725	0.138734	4.84E-91	1.27E-88
ENSMUSG00000031618	NR3C2	-2.62039	0.129793	1.22E-90	3.15E-88
ENSMUSG00000021728	EMB	3.708406	0.183731	1.36E-90	3.44E-88
ENSMUSG00000028367	TXN1	1.672087	0.083082	4.40E-90	1.10E-87
ENSMUSG00000001056	NHP2	1.813671	0.090646	4.67E-89	1.15E-86
ENSMUSG00000027613	EIF6	1.827889	0.091539	1.04E-88	2.52E-86
ENSMUSG00000005413	HMOX1	3.182793	0.159407	1.08E-88	2.58E-86
ENSMUSG00000024219	ANKS1	-1.66423	0.083372	1.19E-88	2.81E-86
ENSMUSG00000095332	GM9821	-3.17124	0.159155	2.45E-88	5.69E-86
ENSMUSG00000027364	USP50	1.703699	0.085587	3.60E-88	8.27E-86
ENSMUSG00000050335	LGALS3	4.028135	0.202461	4.42E-88	1.00E-85
ENSMUSG00000020423	BTG2	2.49171	0.126188	8.67E-87	1.94E-84
ENSMUSG00000020747	TMEM94	-2.46997	0.125536	3.51E-86	7.73E-84
ENSMUSG00000091089	ENSMUSG0000	-3.3282	0.169522	8.11E-86	1.77E-83
ENSMUSG00000037649	H2-DMA	2.543664	0.129927	2.40E-85	5.16E-83
ENSMUSG00000000290	ITGB2	2.05349	0.104911	2.60E-85	5.52E-83
ENSMUSG00000030649	ANAPC15	1.85515	0.095367	2.76E-84	5.79E-82
ENSMUSG00000016028	CELSR1	-3.21137	0.165792	1.38E-83	2.87E-81
ENSMUSG00000038683	PAK1IP1	1.614127	0.083349	1.49E-83	3.06E-81
ENSMUSG00000021200	ASB2	-2.17921	0.113495	3.63E-82	7.34E-80
ENSMUSG00000015843	RXRG	-2.46209	0.12842	6.31E-82	1.26E-79
ENSMUSG00000030319	CAND2	-1.57907	0.082652	2.29E-81	4.52E-79
ENSMUSG00000079247	GM13691	6.585268	0.345471	5.25E-81	1.02E-78
ENSMUSG00000021890	EAF1	1.586246	0.083556	2.30E-80	4.45E-78
ENSMUSG00000021701	PLK2	2.011553	0.105998	2.63E-80	5.02E-78
ENSMUSG00000038582	PPTC7	-1.58453	0.083517	2.88E-80	5.43E-78
ENSMUSG00000005054	CSTB	1.743233	0.091997	4.52E-80	8.44E-78
ENSMUSG00000028069	GPATCH4	1.654657	0.087358	5.24E-80	9.67E-78
ENSMUSG00000048758	RPL29	1.575386	0.083417	1.50E-79	2.74E-77
ENSMUSG00000009687	FXYD5	2.066427	0.109574	2.49E-79	4.49E-77
ENSMUSG00000066036	UBR4	1.626852	0.086487	6.20E-79	1.11E-76
ENSMUSG00000064061	DZIP3	1.940929	0.103503	1.85E-78	3.27E-76
ENSMUSG00000042978	SBK1	-2.33852	0.124906	3.26E-78	5.70E-76
ENSMUSG00000028063	LMNA	1.558714	0.08353	1.04E-77	1.80E-75
ENSMUSG00000055723	RRAS2	1.561767	0.083932	2.79E-77	4.78E-75

ENSMUSG00000046603	TCAIM	-1.68722	0.090826	4.99E-77	8.47E-75
ENSMUSG00000031167	RBM3	1.54366	0.083241	9.02E-77	1.52E-74
ENSMUSG00000039384	DUSP10	1.965222	0.106665	8.39E-76	1.40E-73
ENSMUSG00000040177	2310057M21R	2.006222	0.10904	1.34E-75	2.21E-73
ENSMUSG00000028437	UBAP1	1.708769	0.093334	7.13E-75	1.16E-72
ENSMUSG00000022969	IL10RB	-1.51701	0.082871	7.45E-75	1.20E-72
ENSMUSG00000016541	ATXN10	1.533159	0.083832	1.02E-74	1.64E-72
ENSMUSG00000028859	CSF3R	2.491637	0.136605	2.50E-74	3.97E-72
ENSMUSG00000038489	POLR2L	1.502978	0.082858	1.56E-73	2.46E-71
ENSMUSG00000054477	KCNN2	-2.45943	0.135773	2.46E-73	3.83E-71
ENSMUSG00000023809	RPS6KA2	-1.61029	0.089132	5.88E-73	9.07E-71
ENSMUSG00000025006	SORBS1	-1.53386	0.084905	5.94E-73	9.09E-71
ENSMUSG00000048582	GJA3	-2.57276	0.142458	6.61E-73	1.00E-70
ENSMUSG00000040653	PPP1R14C	-1.83537	0.101908	1.62E-72	2.44E-70
ENSMUSG00000001911	NFIX	-1.5454	0.085936	2.65E-72	3.94E-70
ENSMUSG00000042510	AA986860	2.769688	0.154101	3.16E-72	4.66E-70
ENSMUSG00000036863	SYDE2	-2.03495	0.113427	5.68E-72	8.32E-70
ENSMUSG00000032537	EPHB1	-2.90581	0.162041	6.57E-72	9.54E-70
ENSMUSG00000026377	NIFK	1.678515	0.093892	1.78E-71	2.56E-69
ENSMUSG00000015837	SQSTM1	1.545394	0.087052	1.65E-70	2.35E-68
ENSMUSG00000029578	WIPI2	1.485218	0.08369	1.83E-70	2.59E-68
ENSMUSG00000027346	GPCPD1	-1.47922	0.083613	4.90E-70	6.88E-68
ENSMUSG00000025503	TALDO1	1.463572	0.082811	6.69E-70	9.31E-68
ENSMUSG00000046727	CYSTM1	1.494612	0.084611	7.88E-70	1.09E-67
ENSMUSG00000047747	RNF150	-1.66129	0.094097	9.30E-70	1.27E-67
ENSMUSG00000028710	ATPAF1	-1.59595	0.09074	3.04E-69	4.12E-67
ENSMUSG00000099041	GM28035	-2.73215	0.155593	5.02E-69	6.77E-67
ENSMUSG00000027879	SEC22B	1.490909	0.085066	8.98E-69	1.20E-66
ENSMUSG00000049755	ZFP672	1.536168	0.087728	1.19E-68	1.58E-66
ENSMUSG00000025241	FYCO1	-1.44522	0.082894	4.51E-68	5.93E-66
ENSMUSG00000054958	NT5C1A	-2.30731	0.132655	9.28E-68	1.21E-65
ENSMUSG00000024978	GPAM	-1.43781	0.08281	1.58E-67	2.05E-65
ENSMUSG00000033060	LMO7	-1.46362	0.084538	3.74E-67	4.82E-65
ENSMUSG00000072964	BHLHB9	-1.88234	0.108871	5.63E-67	7.19E-65
ENSMUSG00000020593	LPIN1	-1.90754	0.110367	6.25E-67	7.92E-65
ENSMUSG0000004771	RAB11A	1.460824	0.08472	1.26E-66	1.59E-64
ENSMUSG00000027698	NCEH1	-1.62157	0.094604	7.40E-66	9.24E-64
ENSMUSG00000058818	PIRB	1.966753	0.114816	8.92E-66	1.11E-63
ENSMUSG00000036995	ASAP3	-2.03772	0.118992	9.68E-66	1.19E-63
ENSMUSG00000044676	ZFP612	-1.93036	0.112872	1.43E-65	1.75E-63
ENSMUSG00000032827	PPP1R9A	-2.23521	0.130794	1.78E-65	2.15E-63
ENSMUSG00000047658	GAL3ST3	-3.18653	0.186619	2.28E-65	2.74E-63
ENSMUSG00000047547	CLTB	1.421491	0.08348	5.10E-65	6.10E-63
ENSMUSG00000025044	MSR1	2.539993	0.149238	5.86E-65	6.96E-63
ENSMUSG00000020460	RPS27A	1.453156	0.085468	7.90E-65	9.32E-63
ENSMUSG00000079710	GM3448	5.363751	0.316104	1.41E-64	1.65E-62
ENSMUSG00000090799	KLHL33	-3.21645	0.189903	2.39E-64	2.78E-62
ENSMUSG00000022840	ADCY5	-1.39807	0.082772	5.27E-64	6.08E-62
ENSMUSG00000019718	L3HYPDH	-2.41122	0.142953	7.84E-64	8.99E-62
ENSMUSG00000008136	FHL2	-1.75963	0.104684	2.10E-63	2.39E-61

ENSMUSG00000024044	EPB41L3	-2.32851	0.13873	3.17E-63	3.59E-61
ENSMUSG00000023150	IVNS1ABP	-1.54795	0.092316	4.20E-63	4.72E-61
ENSMUSG00000060036	RPL3	1.395067	0.083253	5.03E-63	5.62E-61
ENSMUSG00000030515	TARSL2	-1.81495	0.10883	1.93E-62	2.14E-60
ENSMUSG00000059796	EIF4A1	1.384091	0.083021	2.11E-62	2.33E-60
ENSMUSG00000049751	RPL36AL	1.40517	0.084295	2.18E-62	2.39E-60
ENSMUSG00000042729	WDR74	1.495511	0.089781	2.68E-62	2.92E-60
ENSMUSG00000050627	GPD1L	-1.49457	0.089787	3.25E-62	3.51E-60
ENSMUSG00000001027	SCN4A	-3.16747	0.190582	4.99E-62	5.37E-60
ENSMUSG00000003949	HLF	-2.8564	0.172447	1.27E-61	1.36E-59
ENSMUSG00000003444	MED29	1.423093	0.085994	1.64E-61	1.74E-59
ENSMUSG00000000168	DLAT	-1.36799	0.082931	3.95E-61	4.17E-59
ENSMUSG00000059142	ZFP945	-1.60831	0.097592	5.11E-61	5.35E-59
ENSMUSG00000031207	MSN	1.375405	0.083507	5.98E-61	6.23E-59
ENSMUSG00000069094	PDE7A	-2.01878	0.122787	9.69E-61	1.00E-58
ENSMUSG00000030249	ABCC9	-2.15161	0.13121	1.97E-60	2.03E-58
ENSMUSG00000024247	PKDCC	-1.85793	0.11382	6.72E-60	6.79E-58
ENSMUSG00000021719	RGS7BP	-2.79325	0.171517	1.25E-59	1.26E-57
ENSMUSG00000056749	NFIL3	1.771196	0.108838	1.52E-59	1.52E-57
ENSMUSG00000030579	TYROBP	1.947353	0.119825	2.17E-59	2.16E-57
ENSMUSG00000034116	VAV1	2.296768	0.14135	2.28E-59	2.25E-57
ENSMUSG00000033099	NOL12	1.587256	0.097763	2.82E-59	2.77E-57
ENSMUSG00000053801	GRWD1	1.470604	0.090906	7.30E-59	7.12E-57
ENSMUSG00000030591	PSMD8	1.354439	0.083849	1.08E-58	1.05E-56
ENSMUSG00000027452	ACSS1	-1.41242	0.087487	1.25E-58	1.20E-56
ENSMUSG00000028957	PER3	-1.87159	0.116135	1.98E-58	1.90E-56
ENSMUSG00000004698	HDAC9	-2.15277	0.133587	2.00E-58	1.91E-56
ENSMUSG00000027111	ITGA6	-1.38082	0.08575	2.43E-58	2.31E-56
ENSMUSG00000040809	CHIL3	5.293418	0.329014	3.06E-58	2.89E-56
ENSMUSG00000025142	ASPSCR1	1.455488	0.090545	3.84E-58	3.60E-56
ENSMUSG00000021131	ERH	1.409601	0.087697	3.91E-58	3.65E-56
ENSMUSG00000026389	STEAP3	-1.50279	0.093568	4.79E-58	4.45E-56
ENSMUSG00000026822	LCN2	3.161508	0.197045	6.23E-58	5.75E-56
ENSMUSG00000002897	IL17RA	2.236219	0.139487	7.67E-58	7.04E-56
ENSMUSG00000064302	CLASP1	-1.38012	0.086175	1.00E-57	9.13E-56
ENSMUSG00000022148	FYB	3.173548	0.198533	1.63E-57	1.48E-55
ENSMUSG00000066278	VPS37B	1.542765	0.096522	1.66E-57	1.50E-55
ENSMUSG00000028633	CTPS	1.359346	0.085294	3.50E-57	3.14E-55
ENSMUSG00000054408	SPCS3	1.321568	0.082976	4.12E-57	3.68E-55
ENSMUSG00000025351	CD63	1.513694	0.095248	7.18E-57	6.38E-55
ENSMUSG00000020836	CORO6	-1.32581	0.083628	1.33E-56	1.17E-54
ENSMUSG00000022842	ECE2	1.459157	0.092058	1.39E-56	1.23E-54
ENSMUSG00000071655	UBXN1	1.317627	0.083285	2.24E-56	1.96E-54
ENSMUSG00000018143	MAFK	1.312498	0.082973	2.33E-56	2.03E-54
ENSMUSG00000057322	RPL38	1.316884	0.083274	2.49E-56	2.16E-54
ENSMUSG00000048814	LONRF2	-3.67063	0.232177	2.67E-56	2.30E-54
ENSMUSG00000061360	PHF5A	1.382627	0.087478	2.85E-56	2.45E-54
ENSMUSG00000031226	PBDC1	1.510228	0.095556	2.89E-56	2.47E-54
ENSMUSG00000055980	IRS1	-1.62798	0.103106	3.68E-56	3.13E-54
ENSMUSG00000041731	PGM5	-1.40475	0.089131	5.81E-56	4.91E-54

ENSMUSG00000035399	OSER1	1.464997	0.093033	7.20E-56	6.05E-54
ENSMUSG00000039221	RPL22L1	1.344301	0.085376	7.35E-56	6.15E-54
ENSMUSG00000024924	VLDLR	-1.4421	0.091647	8.66E-56	7.21E-54
ENSMUSG00000034729	MRPS10	1.343828	0.085462	1.03E-55	8.53E-54
ENSMUSG00000030087	KLF15	-1.84774	0.117872	2.22E-55	1.83E-53
ENSMUSG00000003762	COQ8B	1.455324	0.093164	5.23E-55	4.29E-53
ENSMUSG00000042155	KLHL23	-2.0309	0.130028	5.42E-55	4.42E-53
ENSMUSG00000021906	OXNAD1	-1.71077	0.109557	5.72E-55	4.65E-53
ENSMUSG00000033083	TBC1D4	-1.37101	0.087844	6.49E-55	5.25E-53
ENSMUSG00000027086	FASTKD1	-1.43762	0.092134	6.89E-55	5.54E-53
ENSMUSG00000090841	MYL6	1.304653	0.083616	6.95E-55	5.57E-53
ENSMUSG00000016386	MPPED2	-2.67915	0.171713	7.00E-55	5.58E-53
ENSMUSG00000040747	CD53	1.99113	0.127756	9.15E-55	7.26E-53
ENSMUSG00000031616	EDNRA	-1.81522	0.116508	9.92E-55	7.84E-53
ENSMUSG00000006576	SLC4A3	-1.30644	0.083955	1.33E-54	1.05E-52
ENSMUSG00000031137	FGF13	-1.62658	0.104565	1.46E-54	1.14E-52
ENSMUSG00000042810	KRBA1	-1.54146	0.099182	1.81E-54	1.41E-52
ENSMUSG00000016619	NUP50	1.300915	0.083756	2.10E-54	1.63E-52
ENSMUSG00000026020	NOP58	1.631648	0.105326	3.96E-54	3.06E-52
ENSMUSG00000021311	MTR	-1.28382	0.083074	7.09E-54	5.44E-52
ENSMUSG00000027506	TPD52	1.511725	0.097833	7.30E-54	5.59E-52
ENSMUSG00000057191	AB124611	2.458362	0.15923	8.94E-54	6.81E-52
ENSMUSG00000023206	IL15RA	-1.73521	0.112499	1.13E-53	8.54E-52
ENSMUSG00000067206	LRRC66	5.578813	0.361908	1.30E-53	9.79E-52
ENSMUSG00000041264	USPL1	1.311116	0.085164	1.76E-53	1.33E-51
ENSMUSG00000060063	ALOX5AP	1.853681	0.120758	3.52E-53	2.63E-51
ENSMUSG00000068749	PSMA5	1.268554	0.082737	4.64E-53	3.46E-51
ENSMUSG00000030144	CLEC4D	4.265868	0.27871	7.00E-53	5.19E-51
ENSMUSG00000046949	NQO2	-1.33389	0.087189	7.79E-53	5.75E-51
ENSMUSG00000044252	OSBPL1A	-1.32961	0.086995	9.82E-53	7.22E-51
ENSMUSG00000042115	KLHDC8A	-2.59714	0.169954	1.02E-52	7.44E-51
ENSMUSG00000062328	RPL17	1.308065	0.085638	1.13E-52	8.26E-51
ENSMUSG00000025793	HGS	1.28484	0.084288	1.82E-52	1.32E-50
ENSMUSG00000020439	SMTN	-2.20891	0.145098	2.47E-52	1.78E-50
ENSMUSG00000033392	CLASP2	-1.30086	0.085456	2.51E-52	1.80E-50
ENSMUSG00000024197	PLIN3	-1.25611	0.082561	2.84E-52	2.03E-50
ENSMUSG00000005481	DDX39	1.30415	0.085723	2.87E-52	2.05E-50
ENSMUSG00000028383	HSDL2	-1.30017	0.085481	3.03E-52	2.15E-50
ENSMUSG00000062373	TMEM65	-1.2619	0.082967	3.05E-52	2.16E-50
ENSMUSG00000038722	BUD31	1.279774	0.084204	3.61E-52	2.55E-50
ENSMUSG00000037826	PPM1K	-2.0594	0.135534	3.83E-52	2.69E-50
ENSMUSG00000019802	SEC63	1.339177	0.088138	3.87E-52	2.71E-50
ENSMUSG00000056708	IER5	1.478495	0.09732	3.99E-52	2.76E-50
ENSMUSG00000038374	RBM8A	1.322132	0.087235	6.92E-52	4.75E-50
ENSMUSG00000047260	EMC6	1.264576	0.083525	8.82E-52	6.04E-50
ENSMUSG00000064220	HIST2H2AA1	2.366279	0.156316	9.12E-52	6.21E-50
ENSMUSG00000079677	FDX1L	1.303139	0.086086	9.14E-52	6.21E-50
ENSMUSG00000003873	BAX	1.371007	0.090668	1.17E-51	7.94E-50
ENSMUSG00000010064	SLC38A3	-1.85565	0.122804	1.38E-51	9.28E-50
ENSMUSG00000039987	PHTF2	-1.31236	0.086918	1.65E-51	1.11E-49

ENSMUSG00000025262	FAM120C	-1.67881	0.111262	1.92E-51	1.28E-49
ENSMUSG00000074129	RPL13A	1.307983	0.086783	2.48E-51	1.65E-49
ENSMUSG00000024696	LPXN	2.836272	0.188216	2.58E-51	1.71E-49
ENSMUSG00000028793	RNF19B	1.360976	0.090364	2.92E-51	1.93E-49
ENSMUSG00000053886	SH2D4A	-1.67814	0.111467	3.20E-51	2.11E-49
ENSMUSG00000036398	PPP1R11	1.262827	0.084118	6.08E-51	3.99E-49
ENSMUSG00000021905	DPH3	1.295811	0.086444	8.51E-51	5.56E-49
ENSMUSG00000031819	EMC8	1.494504	0.099871	1.25E-50	8.16E-49
ENSMUSG00000024036	SLC37A1	-1.80028	0.120334	1.33E-50	8.60E-49
ENSMUSG00000025473	ADAM8	3.914736	0.261878	1.59E-50	1.03E-48
ENSMUSG00000054013	TMEM179	-3.19735	0.213936	1.67E-50	1.07E-48
ENSMUSG00000022390	ZC3H7B	-1.23629	0.082731	1.72E-50	1.10E-48
ENSMUSG00000022788	FGD4	-1.5743	0.105375	1.81E-50	1.16E-48
ENSMUSG00000039318	RAB3GAP2	1.280644	0.085756	1.99E-50	1.27E-48
ENSMUSG00000029415	SDAD1	1.639609	0.109808	2.05E-50	1.30E-48
ENSMUSG00000004661	ARID3B	2.082758	0.139584	2.40E-50	1.52E-48
ENSMUSG00000053746	PTRH1	2.108189	0.141334	2.58E-50	1.62E-48
ENSMUSG00000060636	RPL35A	1.25367	0.084071	2.75E-50	1.72E-48
ENSMUSG00000032231	ANXA2	1.66397	0.111618	2.93E-50	1.83E-48
ENSMUSG000000110165	GM4032	4.116335	0.276452	3.83E-50	2.38E-48
ENSMUSG000000081851	GM13323	-2.19726	0.14767	4.47E-50	2.77E-48
ENSMUSG00000025287	ACOT9	1.287903	0.086612	5.18E-50	3.20E-48
ENSMUSG00000024743	SYT7	-1.93104	0.129958	6.08E-50	3.74E-48
ENSMUSG00000024436	MRPS18B	1.513119	0.101939	7.67E-50	4.70E-48
ENSMUSG00000034570	INPP5J	-1.47738	0.099686	1.08E-49	6.61E-48
ENSMUSG00000029651	MTUS2	-1.2775	0.086205	1.10E-49	6.69E-48
ENSMUSG00000051817	SOX12	-1.56098	0.10549	1.52E-49	9.24E-48
ENSMUSG00000033327	TNXB	-1.61892	0.109498	1.83E-49	1.11E-47
ENSMUSG00000050708	FTL1	1.740219	0.117815	2.26E-49	1.36E-47
ENSMUSG00000039629	STRIP2	-1.22166	0.08274	2.46E-49	1.48E-47
ENSMUSG00000041203	TRIR	1.229735	0.083361	2.99E-49	1.79E-47
ENSMUSG00000069792	WFDC17	1.942066	0.131798	3.83E-49	2.28E-47
ENSMUSG000000111469	CAAA0114466	2.244356	0.152455	4.70E-49	2.79E-47
ENSMUSG00000021779	THRB	-1.40798	0.095831	7.22E-49	4.27E-47
ENSMUSG00000004939	NMRK2	2.163314	0.147277	7.61E-49	4.49E-47
ENSMUSG00000042938	GM14117	-1.75415	0.119463	8.21E-49	4.82E-47
ENSMUSG00000031461	MYOM2	-1.21699	0.082892	8.45E-49	4.95E-47
ENSMUSG00000008683	RPS15A	1.267033	0.086375	1.02E-48	5.94E-47
ENSMUSG00000072692	RPL37RT	1.272486	0.086795	1.15E-48	6.68E-47
ENSMUSG000000081249	GM11517	3.340467	0.227908	1.21E-48	7.03E-47
ENSMUSG00000066026	DHRS3	-1.44588	0.098709	1.39E-48	8.04E-47
ENSMUSG00000006731	B4GALNT1	1.870652	0.127718	1.41E-48	8.13E-47
ENSMUSG000000091228	GM20390	1.509344	0.10306	1.44E-48	8.29E-47
ENSMUSG00000048264	DIP2C	-1.25442	0.08569	1.58E-48	9.04E-47
ENSMUSG00000057914	CACNB2	-1.28345	0.087789	2.10E-48	1.20E-46
ENSMUSG00000027950	CHRNA2	2.169788	0.148466	2.26E-48	1.28E-46
ENSMUSG00000027744	STOML3	4.005247	0.274477	3.14E-48	1.78E-46
ENSMUSG00000060261	GTF2I	-1.43976	0.098682	3.25E-48	1.84E-46
ENSMUSG00000021190	LGMN	1.212571	0.083151	3.62E-48	2.03E-46
ENSMUSG00000007279	SCUBE2	-1.46061	0.10018	3.78E-48	2.12E-46

ENSMUSG00000019990	PDE7B	-1.62699	0.111655	4.26E-48	2.38E-46
ENSMUSG00000044345	MARVELD1	-1.32451	0.090969	5.05E-48	2.81E-46
ENSMUSG00000006219	FBLIM1	-1.93058	0.132695	5.93E-48	3.29E-46
ENSMUSG00000079480	PIN4	1.61821	0.111281	6.59E-48	3.65E-46
ENSMUSG00000061613	U2AF1	1.215825	0.083625	6.86E-48	3.78E-46
ENSMUSG00000045438	COX19	1.260942	0.086907	1.06E-47	5.83E-46
ENSMUSG00000057841	RPL32	1.260088	0.087026	1.63E-47	8.95E-46
ENSMUSG00000050299	GM9843	1.431067	0.098844	1.67E-47	9.11E-46
ENSMUSG00000058715	FCER1G	1.980005	0.136763	1.68E-47	9.12E-46
ENSMUSG000000106918	MRPL33	1.391834	0.096262	2.21E-47	1.20E-45
ENSMUSG00000056310	TYW1	1.36304	0.094276	2.23E-47	1.21E-45
ENSMUSG00000021486	PRELID1	1.217991	0.084306	2.61E-47	1.41E-45
ENSMUSG00000042359	OSBPL6	-2.60139	0.180409	3.91E-47	2.10E-45
ENSMUSG00000038147	CD84	2.220989	0.154083	4.21E-47	2.26E-45
ENSMUSG00000024556	ME2	1.345706	0.093367	4.28E-47	2.29E-45
ENSMUSG00000005580	ADCY9	-1.71512	0.11918	5.90E-47	3.14E-45
ENSMUSG00000024346	PFDN1	1.193999	0.082982	6.10E-47	3.24E-45
ENSMUSG00000089901	GM8113	-2.21769	0.154172	6.47E-47	3.42E-45
ENSMUSG00000037563	RPS16	1.203401	0.083679	6.79E-47	3.58E-45
ENSMUSG00000021482	AAED1	-1.46826	0.102142	7.45E-47	3.92E-45
ENSMUSG00000078193	GM2000	1.326263	0.092273	7.63E-47	4.00E-45
ENSMUSG00000022228	ZSCAN26	-1.26064	0.08781	9.72E-47	5.08E-45
ENSMUSG00000020130	TBC1D15	1.361348	0.094834	9.90E-47	5.15E-45
ENSMUSG00000029093	SORCS2	-1.96629	0.137106	1.21E-46	6.27E-45
ENSMUSG00000078486	PERM1	-2.14955	0.149964	1.35E-46	6.96E-45
ENSMUSG00000079658	ELOC	1.205233	0.084129	1.51E-46	7.78E-45
ENSMUSG00000023942	SLC29A1	-1.40432	0.098048	1.58E-46	8.11E-45
ENSMUSG00000056665	THEM6	-1.7413	0.121578	1.58E-46	8.13E-45
ENSMUSG00000097187	GM19426	2.427501	0.169718	2.09E-46	1.07E-44
ENSMUSG00000032633	FLCN	-1.22857	0.085947	2.37E-46	1.21E-44
ENSMUSG00000020372	RACK1	1.236871	0.086713	3.67E-46	1.87E-44
ENSMUSG00000033684	QSOX1	1.311602	0.09218	6.08E-46	3.08E-44
ENSMUSG00000029438	BCL7A	-1.44306	0.101467	6.70E-46	3.38E-44
ENSMUSG00000050541	ADRA1B	-1.30124	0.091502	6.80E-46	3.43E-44
ENSMUSG00000056201	CFL1	1.198638	0.084355	8.00E-46	4.02E-44
ENSMUSG00000022898	VPS26C	1.36784	0.096287	8.43E-46	4.22E-44
ENSMUSG00000067288	RPS28	1.179395	0.083032	8.64E-46	4.32E-44
ENSMUSG00000047721	BOLA2	1.509665	0.106291	8.76E-46	4.36E-44
ENSMUSG00000058443	RPL10-PS3	1.236159	0.087038	8.84E-46	4.39E-44
ENSMUSG00000050064	ZFP697	1.276671	0.089914	9.33E-46	4.62E-44
ENSMUSG00000038274	FAU	1.253759	0.088467	1.36E-45	6.74E-44
ENSMUSG00000021226	ACOT2	-1.17759	0.083145	1.55E-45	7.63E-44
ENSMUSG00000022265	ANK	-1.51479	0.107107	2.07E-45	1.02E-43
ENSMUSG00000078201	TMEM203	1.563077	0.110586	2.33E-45	1.14E-43
ENSMUSG00000034974	DAPK3	1.206182	0.085349	2.40E-45	1.17E-43
ENSMUSG00000032322	PSTPIP1	2.553964	0.180757	2.51E-45	1.22E-43
ENSMUSG00000021868	PPIF	-1.20963	0.085633	2.64E-45	1.28E-43
ENSMUSG00000034343	UBE2F	1.173169	0.083111	3.04E-45	1.47E-43
ENSMUSG00000028128	F3	-1.77317	0.125623	3.07E-45	1.48E-43
ENSMUSG00000081137	BC022960	2.974573	0.210819	3.32E-45	1.59E-43

ENSMUSG00000038506	DCUN1D2	-1.1815	0.083825	4.08E-45	1.96E-43
ENSMUSG00000021313	RYP2	-1.30836	0.092958	5.43E-45	2.59E-43
ENSMUSG00000037490	SLC2A12	-3.0925	0.219852	6.12E-45	2.92E-43
ENSMUSG00000052496	PKDREJ	-1.91174	0.135979	6.78E-45	3.22E-43
ENSMUSG00000031950	GABARAPL2	1.165889	0.08293	6.80E-45	3.23E-43
ENSMUSG00000024732	CCDC86	1.274711	0.090676	6.89E-45	3.26E-43
ENSMUSG00000084883	CCDC85C	-1.58209	0.112551	7.01E-45	3.31E-43
ENSMUSG00000019178	STYXL1	3.598145	0.256112	7.80E-45	3.67E-43
ENSMUSG00000023176	CPN2	-2.83689	0.202147	9.68E-45	4.54E-43
ENSMUSG00000053007	CREB5	1.587709	0.113251	1.19E-44	5.55E-43
ENSMUSG00000030870	UBFD1	1.49774	0.106836	1.19E-44	5.56E-43
ENSMUSG00000021196	PFKP	1.203381	0.08596	1.58E-44	7.33E-43
ENSMUSG00000026456	CYB5R1	1.267849	0.090698	2.10E-44	9.75E-43
ENSMUSG00000015143	ACTN1	1.161008	0.083076	2.21E-44	1.02E-42
ENSMUSG00000017677	WSB1	1.288238	0.09235	3.17E-44	1.46E-42
ENSMUSG00000027907	S100A11	1.586096	0.113815	3.84E-44	1.77E-42
ENSMUSG00000038807	RAP1GAP2	-1.1759	0.084422	4.23E-44	1.94E-42
ENSMUSG00000066306	NUMA1	-1.19947	0.086343	7.08E-44	3.24E-42
ENSMUSG00000002808	EPDR1	-1.46047	0.105172	7.64E-44	3.49E-42
ENSMUSG00000026811	ST6GALNAC6	-1.18255	0.085235	9.11E-44	4.15E-42
ENSMUSG00000027176	CSTF3	1.548448	0.111799	1.27E-43	5.75E-42
ENSMUSG00000026341	ACTR3	1.145654	0.082756	1.39E-43	6.28E-42
ENSMUSG00000037280	GALNT6	3.139617	0.22695	1.59E-43	7.18E-42
ENSMUSG00000025858	GET4	1.170158	0.084591	1.61E-43	7.25E-42
ENSMUSG00000096403	GM9825	1.296334	0.093745	1.72E-43	7.73E-42
ENSMUSG00000022378	FAM49B	1.172355	0.084816	1.87E-43	8.38E-42
ENSMUSG00000020611	GNA13	1.323032	0.095761	2.04E-43	9.13E-42
ENSMUSG00000030858	FAM24B	4.918839	0.356079	2.10E-43	9.36E-42
ENSMUSG00000018796	ACSL1	-1.13247	0.081987	2.14E-43	9.50E-42
ENSMUSG00000042284	ITGA1	-1.31621	0.095326	2.30E-43	1.02E-41
ENSMUSG00000015027	GALNS	1.775354	0.128711	2.79E-43	1.24E-41
ENSMUSG00000030538	CIB1	1.407649	0.102116	3.14E-43	1.39E-41
ENSMUSG00000033581	IGF2BP2	1.992714	0.144637	3.49E-43	1.53E-41
ENSMUSG00000029402	SNRNP35	1.582348	0.114922	3.92E-43	1.72E-41
ENSMUSG00000026353	UBXN4	1.235073	0.08974	4.27E-43	1.87E-41
ENSMUSG00000091957	RPS2-PS10	1.408081	0.102377	4.83E-43	2.11E-41
ENSMUSG00000034525	ICE1	-1.14642	0.083368	5.00E-43	2.18E-41
ENSMUSG00000019923	ZWINT	1.528365	0.111196	5.48E-43	2.38E-41
ENSMUSG00000019848	POPDC3	1.183039	0.08609	5.70E-43	2.47E-41
ENSMUSG00000032396	DIS3L	-1.29222	0.094262	8.98E-43	3.88E-41
ENSMUSG00000090553	SNRPE	1.177094	0.085865	9.01E-43	3.88E-41
ENSMUSG00000033220	RAC2	1.886439	0.137669	9.77E-43	4.20E-41
ENSMUSG00000018102	HIST1H2BC	1.132042	0.082634	1.02E-42	4.38E-41
ENSMUSG00000048537	PHLDB1	-1.1514	0.084067	1.07E-42	4.57E-41
ENSMUSG00000079426	ARPC4	1.160853	0.084811	1.21E-42	5.14E-41
ENSMUSG00000093938	EVI2B	2.226923	0.162746	1.28E-42	5.43E-41
ENSMUSG00000040466	BLVRB	1.384138	0.101166	1.30E-42	5.53E-41
ENSMUSG00000025289	PRDX4	1.25803	0.091962	1.34E-42	5.67E-41
ENSMUSG00000031841	CDH13	-1.14971	0.084077	1.44E-42	6.09E-41
ENSMUSG00000041841	RPL37	1.13455	0.083071	1.82E-42	7.66E-41

ENSMUSG00000017715	PGS1	1.147527	0.084099	2.16E-42	9.09E-41
ENSMUSG00000019897	CCDC59	1.255069	0.091986	2.19E-42	9.17E-41
ENSMUSG000000171540	3425401B19RII	-1.87822	0.137662	2.20E-42	9.20E-41
ENSMUSG00000023909	PAQR4	-1.42564	0.104543	2.42E-42	1.01E-40
ENSMUSG00000008475	ARPC5	1.144581	0.083944	2.48E-42	1.03E-40
ENSMUSG00000025487	PSMD13	1.13964	0.083597	2.57E-42	1.07E-40
ENSMUSG00000029642	POLR1D	1.131644	0.083014	2.58E-42	1.07E-40
ENSMUSG000000093674	RPL41	1.174523	0.086193	2.78E-42	1.15E-40
ENSMUSG00000022965	IFNGR2	-1.14766	0.084244	2.92E-42	1.20E-40
ENSMUSG00000047045	TMEM164	-1.40773	0.103422	3.42E-42	1.41E-40
ENSMUSG000000057880	ABAT	-1.9119	0.140569	3.94E-42	1.62E-40
ENSMUSG00000025508	RPLP2	1.151113	0.084654	4.12E-42	1.69E-40
ENSMUSG000000031729	IST1	1.131957	0.083252	4.19E-42	1.71E-40
ENSMUSG000000067081	ASB18	-1.81433	0.133459	4.31E-42	1.76E-40
ENSMUSG00000028840	ZFP593	2.069617	0.152392	5.20E-42	2.11E-40
ENSMUSG00000079707	TCTE3	5.239804	0.385889	5.37E-42	2.18E-40
ENSMUSG00000043085	TMEM82	-3.06015	0.225468	5.83E-42	2.36E-40
ENSMUSG00000021660	BTF3	1.1415	0.084181	6.90E-42	2.78E-40
ENSMUSG00000031543	ANK1	-1.55943	0.115067	7.68E-42	3.09E-40
ENSMUSG00000026786	APBB1IP	1.721778	0.127076	8.01E-42	3.22E-40
ENSMUSG00000024869	GM49405	-2.03862	0.150521	8.62E-42	3.45E-40
ENSMUSG000000098274	RPL24	1.152661	0.085119	8.86E-42	3.54E-40
ENSMUSG00000022994	ADCY6	-1.79429	0.132532	9.26E-42	3.69E-40
ENSMUSG000000054604	CGGBP1	1.169073	0.086396	1.02E-41	4.05E-40
ENSMUSG00000038467	CHMP4B	1.134532	0.08385	1.03E-41	4.10E-40
ENSMUSG00000040751	LAT2	2.059099	0.152248	1.12E-41	4.43E-40
ENSMUSG000000109495	GM47692	5.332096	0.39448	1.25E-41	4.92E-40
ENSMUSG000000078783	GM9733	4.812879	0.356096	1.26E-41	4.98E-40
ENSMUSG00000025085	ABLIM1	-1.12335	0.083158	1.39E-41	5.47E-40
ENSMUSG00000028126	PIP5K1A	1.169491	0.086575	1.40E-41	5.48E-40
ENSMUSG00000040557	METTL27	2.827682	0.209513	1.64E-41	6.42E-40
ENSMUSG00000025171	UBTD1	1.187015	0.08797	1.71E-41	6.67E-40
ENSMUSG00000023904	HCFC1R1	1.131853	0.083967	2.06E-41	8.02E-40
ENSMUSG00000031770	HERPUD1	-1.50967	0.112008	2.10E-41	8.16E-40
ENSMUSG00000031422	MORF4L2	1.142054	0.084746	2.16E-41	8.37E-40
ENSMUSG00000025019	LCOR	1.343308	0.099704	2.26E-41	8.73E-40
ENSMUSG00000016554	EIF3D	1.12084	0.083233	2.47E-41	9.54E-40
ENSMUSG00000032816	IGDCC4	-2.30952	0.1717	3.04E-41	1.17E-39
ENSMUSG00000029096	HTRA3	-2.40495	0.1789	3.38E-41	1.30E-39
ENSMUSG00000047821	TRIM16	1.974223	0.147273	5.64E-41	2.16E-39
ENSMUSG00000044573	ACP1	1.173074	0.08762	7.09E-41	2.71E-39
ENSMUSG00000003623	CROT	-1.22906	0.091873	8.16E-41	3.11E-39
ENSMUSG000000054469	LCLAT1	-1.29991	0.097242	9.33E-41	3.55E-39
ENSMUSG000000005103	WDR1	1.106444	0.082805	1.01E-40	3.83E-39
ENSMUSG000000061533	CEP128	-2.06278	0.154437	1.08E-40	4.10E-39
ENSMUSG000000062997	RPL35	1.11047	0.083149	1.10E-40	4.18E-39
ENSMUSG000000061111	MCRIP1	1.117985	0.08375	1.20E-40	4.52E-39
ENSMUSG00000026193	FN1	2.239639	0.167834	1.28E-40	4.81E-39
ENSMUSG000000068699	FLNC	1.817099	0.13628	1.48E-40	5.55E-39
ENSMUSG000000035493	TGFB1	2.559606	0.19212	1.70E-40	6.38E-39

ENSMUSG00000073640	RPL27-PS3	1.118839	0.083994	1.76E-40	6.58E-39
ENSMUSG00000067547	GM7666	1.851034	0.139004	1.86E-40	6.94E-39
ENSMUSG00000020120	PLEK	2.357575	0.177191	2.16E-40	8.03E-39
ENSMUSG00000084416	RPL10A-PS1	1.120763	0.084263	2.29E-40	8.50E-39
ENSMUSG00000041361	MYZAP	-1.44286	0.108483	2.30E-40	8.54E-39
ENSMUSG00000033540	IDUA	-1.69209	0.127263	2.44E-40	9.03E-39
ENSMUSG00000058624	GDA	1.646238	0.12386	2.61E-40	9.62E-39
ENSMUSG00000028494	PLIN2	1.216307	0.091522	2.65E-40	9.76E-39
ENSMUSG00000030707	CORO1A	2.356279	0.177304	2.66E-40	9.79E-39
ENSMUSG00000057036	GM7536	1.114672	0.083955	3.15E-40	1.15E-38
ENSMUSG00000001333	SYNC	-1.72832	0.130236	3.42E-40	1.25E-38
ENSMUSG00000032826	ANK2	-1.93577	0.145872	3.44E-40	1.26E-38
ENSMUSG00000059070	RPL18	1.244405	0.093785	3.52E-40	1.28E-38
ENSMUSG00000054091	1810037117RIK	1.10584	0.083345	3.54E-40	1.29E-38
ENSMUSG00000029769	CCDC136	1.956785	0.147487	3.57E-40	1.30E-38
ENSMUSG00000033931	RBM34	1.44921	0.109344	4.30E-40	1.55E-38
ENSMUSG00000027544	NFATC2	-1.57431	0.118797	4.39E-40	1.58E-38
ENSMUSG00000039953	CLSTN1	-1.21566	0.091781	4.80E-40	1.72E-38
ENSMUSG00000021286	ZFYVE21	-1.69408	0.127906	4.84E-40	1.74E-38
ENSMUSG00000031647	MFAP3L	-2.43204	0.183992	6.89E-40	2.46E-38
ENSMUSG00000018927	CCL6	2.288402	0.173128	6.91E-40	2.47E-38
ENSMUSG00000071866	PPIA	1.159047	0.087716	7.32E-40	2.61E-38
ENSMUSG00000045752	TSSC4	1.289179	0.097596	7.75E-40	2.75E-38
ENSMUSG00000085576	DPY19L2	6.252485	0.473432	8.02E-40	2.84E-38
ENSMUSG00000060419	RPS16-PS2	1.106427	0.083799	8.39E-40	2.97E-38
ENSMUSG00000024608	RPS14	1.12139	0.084963	8.94E-40	3.16E-38
ENSMUSG00000000555	ITGA5	1.432248	0.108539	9.29E-40	3.27E-38
ENSMUSG00000033624	PDPR	-1.11659	0.084697	1.09E-39	3.84E-38
ENSMUSG00000021996	ESD	2.05864	0.15617	1.11E-39	3.91E-38
ENSMUSG00000037447	ARID5A	1.488991	0.112996	1.18E-39	4.15E-38
ENSMUSG00000010406	MRPL52	1.118876	0.084917	1.20E-39	4.21E-38
ENSMUSG00000052837	JUNB	2.283798	0.173494	1.42E-39	4.96E-38
ENSMUSG00000038729	AKAP2	1.207561	0.091859	1.80E-39	6.26E-38
ENSMUSG00000045667	SMTNL2	-1.74378	0.13266	1.83E-39	6.34E-38
ENSMUSG00000046709	MAPK10	-2.12723	0.161927	2.02E-39	7.00E-38
ENSMUSG00000026409	PFKFB2	-1.6717	0.127267	2.07E-39	7.14E-38
ENSMUSG00000024998	PLCE1	-1.22403	0.09328	2.46E-39	8.48E-38
ENSMUSG00000052852	REEP1	-2.02522	0.154338	2.46E-39	8.48E-38
ENSMUSG00000060950	TRMT61A	1.39911	0.106638	2.52E-39	8.68E-38
ENSMUSG00000038195	RILP	-1.22763	0.093653	2.95E-39	1.01E-37
ENSMUSG00000041577	PRELP	-2.00458	0.153038	3.36E-39	1.15E-37
ENSMUSG00000094786	GM14403	-1.93306	0.147679	3.78E-39	1.29E-37
ENSMUSG00000038121	FAM210A	-1.15093	0.087987	4.25E-39	1.45E-37
ENSMUSG00000098754	PRN	5.027891	0.384423	4.34E-39	1.48E-37
ENSMUSG00000034636	ZYG11B	-1.1291	0.086374	4.74E-39	1.61E-37
ENSMUSG00000062901	KLHL24	-1.0877	0.083248	5.17E-39	1.75E-37
ENSMUSG00000044066	CEP68	-1.19767	0.091739	5.93E-39	2.01E-37
ENSMUSG00000040952	RPS19	1.105611	0.084725	6.40E-39	2.16E-37
ENSMUSG00000038201	KCNA7	-2.01338	0.154299	6.48E-39	2.18E-37
ENSMUSG00000067297	IFIT1BL2	-2.18257	0.16728	6.58E-39	2.21E-37

ENSMUSG00000047215	RPL9	1.12833	0.086536	7.35E-39	2.47E-37
ENSMUSG00000005225	PLEKHA8	1.276219	0.097929	8.03E-39	2.69E-37
ENSMUSG00000009927	RPS25	1.133978	0.087089	9.31E-39	3.11E-37
ENSMUSG00000030880	POLR3E	1.169253	0.089809	9.51E-39	3.17E-37
ENSMUSG00000044700	TMEM201	-1.26267	0.097003	9.82E-39	3.27E-37
ENSMUSG000000110344	GM45716	1.176977	0.090458	1.06E-38	3.51E-37
ENSMUSG00000045636	MTUS1	-1.35969	0.104668	1.39E-38	4.60E-37
ENSMUSG00000025337	SBDS	1.091493	0.084025	1.39E-38	4.61E-37
ENSMUSG00000062014	GMFB	1.367319	0.105304	1.50E-38	4.95E-37
ENSMUSG00000000804	USP32	1.502019	0.115731	1.62E-38	5.34E-37
ENSMUSG00000036478	BTG1	1.712563	0.131979	1.67E-38	5.50E-37
ENSMUSG00000072940	GM10443	1.254699	0.096792	1.99E-38	6.53E-37
ENSMUSG00000023905	TNFRSF12A	2.44451	0.188701	2.22E-38	7.24E-37
ENSMUSG00000026701	PRDX6	1.093963	0.084459	2.27E-38	7.40E-37
ENSMUSG00000034848	TTC21B	-1.73655	0.134182	2.62E-38	8.51E-37
ENSMUSG00000026471	MR1	-1.59193	0.123021	2.67E-38	8.65E-37
ENSMUSG00000024664	FADS3	1.128357	0.0873	3.25E-38	1.05E-36
ENSMUSG00000015112	SLC25A13	-1.24081	0.096012	3.32E-38	1.07E-36
ENSMUSG00000046330	RPL37A	1.072994	0.083029	3.33E-38	1.08E-36
ENSMUSG00000020901	PIK3R5	2.320015	0.179919	4.82E-38	1.55E-36
ENSMUSG00000078784	1810022K09RII	1.121139	0.086957	4.93E-38	1.58E-36
ENSMUSG00000031898	DPEP3	5.471425	0.424652	5.50E-38	1.76E-36
ENSMUSG00000037805	RPL10A	1.088952	0.084576	6.19E-38	1.98E-36
ENSMUSG00000030587	2200002D01RI	3.102166	0.241035	6.63E-38	2.11E-36
ENSMUSG00000054889	DSP	-1.17914	0.091622	6.67E-38	2.12E-36
ENSMUSG00000058672	TUBB2A	1.303768	0.101332	6.96E-38	2.21E-36
ENSMUSG00000029338	ANTXR2	-1.07677	0.083791	8.52E-38	2.70E-36
ENSMUSG00000056537	RLIM	1.070884	0.083343	8.70E-38	2.75E-36
ENSMUSG00000023235	CCL25	1.953198	0.152019	8.78E-38	2.77E-36
ENSMUSG00000029782	TMEM209	1.309098	0.101889	8.80E-38	2.77E-36
ENSMUSG00000021243	FCF1	1.144204	0.089094	9.45E-38	2.97E-36
ENSMUSG00000024140	EPAS1	-1.07921	0.084053	9.83E-38	3.08E-36
ENSMUSG00000028081	RPS3A1	1.140713	0.088899	1.09E-37	3.42E-36
ENSMUSG00000046792	ZFP787	1.19528	0.093286	1.39E-37	4.34E-36
ENSMUSG00000001416	CCT3	1.314379	0.102621	1.48E-37	4.61E-36
ENSMUSG00000022995	ENAH	1.766634	0.138234	2.12E-37	6.61E-36
ENSMUSG00000026235	EPHA4	-3.02652	0.237166	2.70E-37	8.40E-36
ENSMUSG00000012422	TMEM167	1.500706	0.117656	2.92E-37	9.07E-36
ENSMUSG00000024855	PACS1	-1.11456	0.087441	3.27E-37	1.01E-35
ENSMUSG00000061666	GDPD1	-1.51527	0.118891	3.32E-37	1.03E-35
ENSMUSG00000020902	NTN1	-1.06655	0.083689	3.36E-37	1.04E-35
ENSMUSG00000079435	RPL36A	1.066382	0.083696	3.49E-37	1.08E-35
ENSMUSG00000028234	RPS20	1.062263	0.083375	3.51E-37	1.08E-35
ENSMUSG00000028936	RPL22	1.063377	0.083476	3.60E-37	1.11E-35
ENSMUSG00000034614	PIK3IP1	-1.65838	0.130198	3.67E-37	1.12E-35
ENSMUSG00000027852	NRAS	1.472008	0.115568	3.68E-37	1.13E-35
ENSMUSG00000086583	GM15500	1.110738	0.087244	3.95E-37	1.21E-35
ENSMUSG00000036781	RPS27L	1.246175	0.097926	4.26E-37	1.30E-35
ENSMUSG00000052681	RAP1B	1.053565	0.082856	4.84E-37	1.47E-35
ENSMUSG00000046062	PPP1R15B	1.070668	0.084299	5.85E-37	1.78E-35

ENSMUSG00000027777	SCHIP1	-1.194	0.094049	6.26E-37	1.90E-35
ENSMUSG00000029038	SSU72	1.070035	0.084288	6.30E-37	1.91E-35
ENSMUSG00000024844	BANF1	1.050103	0.082745	6.65E-37	2.01E-35
ENSMUSG00000029822	OSBPL3	-1.26374	0.099595	6.82E-37	2.06E-35
ENSMUSG00000042369	RBM45	1.098483	0.086764	9.77E-37	2.94E-35
ENSMUSG00000038244	MICAL2	1.093907	0.086474	1.12E-36	3.36E-35
ENSMUSG00000030980	KNOP1	1.200863	0.094949	1.16E-36	3.47E-35
ENSMUSG00000014856	TMEM208	1.14725	0.090742	1.22E-36	3.66E-35
ENSMUSG00000063787	CHCHD1	1.045634	0.082709	1.23E-36	3.69E-35
ENSMUSG00000031505	NAXD	1.067201	0.084452	1.32E-36	3.95E-35
ENSMUSG00000021604	IRX4	-1.97211	0.156084	1.35E-36	4.03E-35
ENSMUSG00000090733	RPS27	1.075792	0.085161	1.40E-36	4.15E-35
ENSMUSG00000041995	ZBED3	-1.50475	0.119131	1.42E-36	4.23E-35
ENSMUSG00000026014	RAPH1	1.716626	0.136017	1.62E-36	4.81E-35
ENSMUSG00000029599	DDX54	1.053895	0.083557	1.79E-36	5.30E-35
ENSMUSG00000054855	RND1	2.138312	0.169626	1.96E-36	5.77E-35
ENSMUSG00000050229	PIGM	1.164045	0.092355	2.01E-36	5.91E-35
ENSMUSG00000078812	EIF5A	1.11895	0.088917	2.58E-36	7.59E-35
ENSMUSG00000073609	D2HGDH	-1.4596	0.116008	2.66E-36	7.80E-35
ENSMUSG00000002477	SNRPD1	1.183351	0.094068	2.73E-36	8.00E-35
ENSMUSG00000032869	PSMF1	1.068695	0.084968	2.80E-36	8.21E-35
ENSMUSG00000032216	NEDD4	-1.03571	0.082404	3.14E-36	9.18E-35
ENSMUSG00000027784	PPM1L	-1.85959	0.148024	3.38E-36	9.87E-35
ENSMUSG00000004393	DDX56	1.208182	0.09624	3.79E-36	1.10E-34
ENSMUSG00000073702	RPL31	1.057923	0.084271	3.79E-36	1.10E-34
ENSMUSG00000073616	COPS9	1.259027	0.100297	3.83E-36	1.11E-34
ENSMUSG00000030609	AEN	1.14108	0.090918	3.94E-36	1.14E-34
ENSMUSG00000018160	MED1	1.362592	0.108595	4.10E-36	1.19E-34
ENSMUSG00000029624	PTCD1	-1.36167	0.108536	4.19E-36	1.21E-34
ENSMUSG00000025726	SLC28A1	3.199691	0.255461	5.44E-36	1.57E-34
ENSMUSG00000024887	ASAH2	-1.22649	0.098024	6.41E-36	1.84E-34
ENSMUSG00000054520	SH3BP2	2.010226	0.160736	6.89E-36	1.98E-34
ENSMUSG00000060961	SLC4A4	-1.47187	0.117757	7.54E-36	2.16E-34
ENSMUSG00000029082	BST1	2.554161	0.204449	8.16E-36	2.34E-34
ENSMUSG00000060878	OLFR1420	3.471495	0.278019	8.84E-36	2.53E-34
ENSMUSG000000106037	GM4332	1.067307	0.085518	9.54E-36	2.72E-34
ENSMUSG00000025037	MAOA	1.510663	0.12107	9.90E-36	2.82E-34
ENSMUSG00000061136	PRPF40A	1.096661	0.08792	1.04E-35	2.96E-34
ENSMUSG00000030603	PSMC4	1.029462	0.08255	1.08E-35	3.06E-34
ENSMUSG00000033595	LGI3	-2.24843	0.180298	1.08E-35	3.06E-34
ENSMUSG00000084957	BBIP1	1.265945	0.101629	1.29E-35	3.64E-34
ENSMUSG00000044083	EFCAB8	4.582486	0.367983	1.35E-35	3.81E-34
ENSMUSG00000038250	USP38	1.088316	0.087485	1.59E-35	4.47E-34
ENSMUSG00000013646	SH3BP5L	1.070083	0.086072	1.74E-35	4.91E-34
ENSMUSG00000046203	SPRR2G	4.832542	0.388716	1.75E-35	4.92E-34
ENSMUSG00000047675	RPS8	1.047454	0.084272	1.81E-35	5.08E-34
ENSMUSG00000030786	ITGAM	2.384664	0.191868	1.83E-35	5.12E-34
ENSMUSG00000030990	PGAP2	-1.19932	0.096546	1.98E-35	5.53E-34
ENSMUSG00000039376	SYNPO2L	1.726954	0.139275	2.63E-35	7.33E-34
ENSMUSG000000100755	RPS23-PS1	1.03048	0.08317	2.96E-35	8.25E-34

ENSMUSG00000026610	ESRRG	-1.17739	0.095043	3.04E-35	8.45E-34
ENSMUSG00000002233	RHOC	1.404663	0.113452	3.31E-35	9.19E-34
ENSMUSG000000059326	CSF2RA	1.253886	0.101306	3.47E-35	9.63E-34
ENSMUSG000000042961	EGFLAM	-2.00411	0.161975	3.66E-35	1.01E-33
ENSMUSG000000071064	ZFP827	-1.52201	0.123136	4.28E-35	1.18E-33
ENSMUSG000000046364	RPL27A	1.028622	0.083365	5.60E-35	1.54E-33
ENSMUSG000000031230	FGF16	-1.29825	0.105279	6.13E-35	1.69E-33
ENSMUSG000000037601	NME1	1.553212	0.125999	6.47E-35	1.78E-33
ENSMUSG000000078763	SLFN1	3.000402	0.243441	6.65E-35	1.83E-33
ENSMUSG000000055044	PDLIM1	1.108514	0.08995	6.76E-35	1.85E-33
ENSMUSG000000024360	ETF1	1.015786	0.082431	6.82E-35	1.87E-33
ENSMUSG000000047085	LRRC4B	-4.14336	0.336244	6.86E-35	1.87E-33
ENSMUSG000000029110	RNF4	1.168013	0.094809	7.10E-35	1.94E-33
ENSMUSG000000094388	GM8783	-5.14856	0.418263	8.06E-35	2.19E-33
ENSMUSG000000096592	GM15801	-5.14856	0.418263	8.06E-35	2.19E-33
ENSMUSG000000049517	RPS23	1.024501	0.083242	8.26E-35	2.24E-33
ENSMUSG000000026858	MIGA2	-1.28597	0.104587	9.56E-35	2.59E-33
ENSMUSG000000109147	4930431P19RII	1.868573	0.15205	1.04E-34	2.80E-33
ENSMUSG000000067038	RPS12-PS3	1.537683	0.12522	1.16E-34	3.14E-33
ENSMUSG000000033554	DPH5	1.255552	0.102265	1.20E-34	3.23E-33
ENSMUSG000000025372	BAIAP2	1.269004	0.103401	1.27E-34	3.42E-33
ENSMUSG000000080242	ATP6V0C-PS2	1.073946	0.087508	1.27E-34	3.42E-33
ENSMUSG000000016833	MRPS18C	1.097841	0.08951	1.40E-34	3.75E-33
ENSMUSG000000006050	SRA1	1.021921	0.083343	1.46E-34	3.90E-33
ENSMUSG000000033777	TLR13	2.405097	0.1962	1.51E-34	4.06E-33
ENSMUSG000000061531	TMEM236	3.077789	0.251101	1.54E-34	4.11E-33
ENSMUSG000000032244	FEM1B	1.025204	0.083768	1.93E-34	5.16E-33
ENSMUSG000000111567	OLFR1251	4.6065	0.376641	2.14E-34	5.70E-33
ENSMUSG000000019927	UBE2D1	-1.07607	0.088044	2.37E-34	6.32E-33
ENSMUSG000000034220	GPC1	-1.00322	0.08211	2.49E-34	6.62E-33
ENSMUSG000000002658	GTF2F1	1.033065	0.084567	2.56E-34	6.78E-33
ENSMUSG000000024529	LOX	2.528781	0.207039	2.62E-34	6.93E-33
ENSMUSG000000006456	RBM14	1.124529	0.092126	2.87E-34	7.60E-33
ENSMUSG000000040146	RGL3	-1.72287	0.141212	3.09E-34	8.15E-33
ENSMUSG000000111815	GM6018	-3.01624	0.247276	3.19E-34	8.41E-33
ENSMUSG000000044033	CCDC141	-1.20792	0.099042	3.26E-34	8.58E-33
ENSMUSG000000021149	GTPBP4	1.010084	0.082888	3.68E-34	9.68E-33
ENSMUSG000000070056	MFHAS1	-1.15893	0.095152	3.98E-34	1.05E-32
ENSMUSG000000031879	CIAO2B	1.029681	0.084542	4.00E-34	1.05E-32
ENSMUSG000000038764	PTPN3	-1.8546	0.152316	4.17E-34	1.09E-32
ENSMUSG000000071317	BVES	-1.10148	0.090511	4.51E-34	1.18E-32
ENSMUSG000000048416	MLF1	-1.00778	0.082815	4.55E-34	1.19E-32
ENSMUSG000000064307	LRRC51	2.199052	0.180743	4.67E-34	1.22E-32
ENSMUSG000000063954	HIST2H2AA2	2.268277	0.186525	5.03E-34	1.31E-32
ENSMUSG000000019947	ARID5B	2.03302	0.167191	5.08E-34	1.32E-32
ENSMUSG000000014769	PSMB1	1.015208	0.083515	5.33E-34	1.38E-32
ENSMUSG000000053963	STUM	-3.96408	0.326166	5.49E-34	1.42E-32
ENSMUSG000000002100	MYBPC3	-1.3086	0.107744	6.07E-34	1.57E-32
ENSMUSG000000021493	PDLIM7	1.595165	0.131379	6.35E-34	1.64E-32
ENSMUSG000000005667	MTHFD2	1.950994	0.160859	7.45E-34	1.92E-32

ENSMUSG00000034825	NRIP3	3.721188	0.306876	7.69E-34	1.98E-32
ENSMUSG00000071497	NUTF2-PS1	1.096987	0.090633	1.01E-33	2.60E-32
ENSMUSG00000063160	NUMBL	1.465483	0.121191	1.16E-33	2.97E-32
ENSMUSG00000055737	GHR	-1.01024	0.083582	1.24E-33	3.18E-32
ENSMUSG00000036752	TUBB4B	1.018007	0.084244	1.28E-33	3.28E-32
ENSMUSG00000062421	ARF2	1.078623	0.089308	1.39E-33	3.54E-32
ENSMUSG00000028613	LRP8	3.374543	0.279448	1.42E-33	3.62E-32
ENSMUSG00000025332	KDM5C	1.035488	0.085772	1.48E-33	3.76E-32
ENSMUSG00000027589	PCMTD2	-1.26836	0.105125	1.61E-33	4.09E-32
ENSMUSG00000022651	RETNLG	3.57121	0.296019	1.63E-33	4.15E-32
ENSMUSG00000023067	CDKN1A	2.336794	0.193705	1.64E-33	4.16E-32
ENSMUSG00000020737	JPT1	1.01444	0.084154	1.84E-33	4.65E-32
ENSMUSG00000026073	IL1R2	4.803299	0.398576	1.91E-33	4.83E-32
ENSMUSG00000071172	SRSF3	1.031912	0.085695	2.14E-33	5.41E-32
ENSMUSG00000070509	RGMA	-1.41986	0.118207	3.09E-33	7.77E-32
ENSMUSG00000040990	SH3KBP1	-1.67452	0.139432	3.17E-33	7.96E-32
ENSMUSG00000041629	FAM104A	1.028413	0.085828	4.40E-33	1.11E-31
ENSMUSG00000079641	RPL39	0.988522	0.082533	4.67E-33	1.17E-31
ENSMUSG00000028364	TNC	4.772481	0.398636	4.98E-33	1.25E-31
ENSMUSG00000032741	TPCN1	-1.13749	0.095044	5.23E-33	1.31E-31
ENSMUSG00000020448	RNF185	1.018071	0.085164	6.17E-33	1.54E-31
ENSMUSG00000051373	PLPP7	-1.14658	0.095961	6.61E-33	1.65E-31
ENSMUSG000000101389	MS4A4A	1.530914	0.128241	7.52E-33	1.87E-31
ENSMUSG00000063457	RPS15	1.040499	0.087179	7.75E-33	1.93E-31
ENSMUSG00000035275	RAVER2	-2.1142	0.177155	7.86E-33	1.95E-31
ENSMUSG00000028048	GBA	1.129955	0.094708	8.17E-33	2.02E-31
ENSMUSG00000038248	SOBP	-1.18121	0.099023	8.40E-33	2.08E-31
ENSMUSG00000043252	TMEM64	-1.07493	0.090154	8.95E-33	2.21E-31
ENSMUSG00000015961	ADSS	1.180981	0.099081	9.38E-33	2.32E-31
ENSMUSG00000037894	H2AFZ	1.005918	0.084405	9.56E-33	2.36E-31
ENSMUSG00000020457	DRG1	1.14409	0.096012	9.76E-33	2.40E-31
ENSMUSG00000021000	MIA2	-0.99953	0.083899	1.01E-32	2.48E-31
ENSMUSG00000025869	NOP16	1.213602	0.101965	1.15E-32	2.83E-31
ENSMUSG00000013236	PTPRS	-1.24407	0.104543	1.18E-32	2.90E-31
ENSMUSG000000105388	RPL36A-PS2	1.097851	0.092279	1.23E-32	3.00E-31
ENSMUSG00000029922	MKRN1	1.151846	0.096833	1.25E-32	3.06E-31
ENSMUSG00000028838	EXTL1	-1.924	0.161857	1.38E-32	3.37E-31
ENSMUSG00000086228	UBAP1L	3.528963	0.297198	1.61E-32	3.93E-31
ENSMUSG00000033594	SPATA2L	-1.96163	0.165254	1.69E-32	4.10E-31
ENSMUSG00000001983	TACO1	-1.0091	0.085045	1.79E-32	4.35E-31
ENSMUSG00000029771	IRF5	1.601019	0.134996	1.92E-32	4.65E-31
ENSMUSG00000032340	NEO1	-1.00391	0.084669	1.98E-32	4.80E-31
ENSMUSG00000078970	WDR92	-1.41053	0.11918	2.56E-32	6.20E-31
ENSMUSG00000020224	LLPH	1.18028	0.099834	2.99E-32	7.22E-31
ENSMUSG00000040740	SLC25A34	-2.05068	0.173652	3.50E-32	8.44E-31
ENSMUSG00000022312	EIF3H	1.000605	0.084733	3.51E-32	8.45E-31
ENSMUSG00000082016	PGAM1-PS2	-5.68445	0.481398	3.54E-32	8.51E-31
ENSMUSG00000050556	KCNB1	-1.44507	0.122424	3.73E-32	8.96E-31
ENSMUSG00000040841	SIX5	-1.6387	0.13885	3.81E-32	9.15E-31
ENSMUSG00000025571	TNRC6C	-1.00737	0.085376	3.94E-32	9.43E-31

ENSMUSG00000012848	RPS5	1.005416	0.085223	4.02E-32	9.62E-31
ENSMUSG00000056076	EIF3B	1.004067	0.085138	4.22E-32	1.01E-30
ENSMUSG00000047714	PPP1R2	0.991982	0.084135	4.38E-32	1.04E-30
ENSMUSG00000036186	FAM69B	-1.97306	0.167364	4.45E-32	1.06E-30
ENSMUSG00000060519	TOR3A	1.309894	0.111125	4.53E-32	1.08E-30
ENSMUSG00000049299	TRAPPC1	0.999734	0.084921	5.41E-32	1.29E-30
ENSMUSG00000058704	MEMO1	0.972347	0.082717	6.64E-32	1.58E-30
ENSMUSG00000023963	CYP39A1	-1.60055	0.136189	6.86E-32	1.63E-30
ENSMUSG00000047875	GPR157	-1.98544	0.168963	7.00E-32	1.66E-30
ENSMUSG00000039001	RPS21	0.979136	0.08333	7.05E-32	1.67E-30
ENSMUSG00000042066	TMCC2	-1.09285	0.093038	7.38E-32	1.74E-30
ENSMUSG00000042719	NAA25	1.031286	0.087807	7.49E-32	1.76E-30
ENSMUSG00000033863	KLF9	-1.1557	0.098407	7.57E-32	1.78E-30
ENSMUSG00000039737	PRKRIP1	1.320556	0.112526	8.38E-32	1.97E-30
ENSMUSG00000037361	SF3B6	1.037488	0.08844	8.84E-32	2.07E-30
ENSMUSG00000052146	RPS10	0.998634	0.085198	9.92E-32	2.32E-30
ENSMUSG00000033763	MTSS1L	-1.31471	0.11217	9.98E-32	2.33E-30
ENSMUSG00000033916	CHMP2A	0.96746	0.082569	1.04E-31	2.44E-30
ENSMUSG00000062647	RPL7A	1.021701	0.087338	1.30E-31	3.04E-30
ENSMUSG00000028821	SYF2	0.967819	0.082741	1.32E-31	3.08E-30
ENSMUSG00000019362	D8ERTD738E	1.086194	0.092889	1.38E-31	3.20E-30
ENSMUSG00000074652	MYH7B	-2.74401	0.234717	1.42E-31	3.30E-30
ENSMUSG00000025362	RPS26	0.97098	0.083105	1.54E-31	3.58E-30
ENSMUSG00000045777	IFITM10	2.473395	0.211698	1.55E-31	3.58E-30
ENSMUSG00000062593	GM49339	2.39477	0.205093	1.68E-31	3.89E-30
ENSMUSG00000028565	NFIA	-1.62099	0.138867	1.75E-31	4.05E-30
ENSMUSG00000059291	RPL11	0.990671	0.084878	1.78E-31	4.10E-30
ENSMUSG00000074623	GM826	-2.61784	0.224319	1.81E-31	4.17E-30
ENSMUSG00000049038	MTERF2	-1.62404	0.139172	1.83E-31	4.21E-30
ENSMUSG00000027809	ETFDH	-1.00811	0.086659	2.80E-31	6.43E-30
ENSMUSG000000108994	GM31663	-2.09518	0.180134	2.86E-31	6.56E-30
ENSMUSG00000032288	IMP3	0.976231	0.083937	2.88E-31	6.61E-30
ENSMUSG00000024217	SNRPC	0.98789	0.084953	2.95E-31	6.74E-30
ENSMUSG00000039756	DNTTIP2	1.056791	0.09088	2.96E-31	6.76E-30
ENSMUSG00000002014	SSR4	0.975863	0.084059	3.70E-31	8.44E-30
ENSMUSG00000032806	SLC10A3	1.194394	0.102989	4.25E-31	9.70E-30
ENSMUSG00000060938	RPL26	0.984768	0.085	4.88E-31	1.11E-29
ENSMUSG00000037204	ATG101	1.012529	0.087475	5.51E-31	1.25E-29
ENSMUSG00000021036	SPTLC2	1.23964	0.107147	5.88E-31	1.33E-29
ENSMUSG00000057863	RPL36	0.973578	0.08416	5.97E-31	1.35E-29
ENSMUSG00000094936	RBM4	1.340523	0.11589	6.04E-31	1.37E-29
ENSMUSG00000052291	5330438D12RI	1.816748	0.157084	6.17E-31	1.39E-29
ENSMUSG00000028394	POLE3	1.004496	0.086921	6.85E-31	1.55E-29
ENSMUSG00000023852	CHD1	0.972092	0.084168	7.43E-31	1.68E-29
ENSMUSG00000039997	IFI203	-1.39132	0.120508	7.78E-31	1.75E-29
ENSMUSG00000000682	CD52	2.688236	0.232944	8.27E-31	1.86E-29
ENSMUSG00000037523	MAVS	-0.98701	0.085575	8.90E-31	2.00E-29
ENSMUSG00000019795	PCMT1	0.954354	0.082749	8.99E-31	2.02E-29
ENSMUSG00000072294	KLF12	-2.19899	0.190722	9.33E-31	2.09E-29
ENSMUSG00000025429	PSTPIP2	-1.68598	0.146262	9.64E-31	2.16E-29

ENSMUSG00000034863	ANO8	-1.05509	0.091544	9.81E-31	2.19E-29
ENSMUSG00000035227	SPCS2	0.992573	0.086134	1.00E-30	2.24E-29
ENSMUSG00000034032	RPAP1	-1.15188	0.100027	1.10E-30	2.45E-29
ENSMUSG00000028766	ALPL	-1.4555	0.126479	1.20E-30	2.68E-29
ENSMUSG00000023092	FHL1	1.99272	0.173194	1.23E-30	2.74E-29
ENSMUSG00000038132	RBM24	-0.95684	0.083171	1.25E-30	2.78E-29
ENSMUSG00000032691	NLRP3	2.434776	0.211741	1.34E-30	2.96E-29
ENSMUSG00000060508	NLRP9B	-2.07421	0.180417	1.37E-30	3.03E-29
ENSMUSG00000038650	RNH1	0.951125	0.082762	1.44E-30	3.19E-29
ENSMUSG00000063234	GPR84	4.355525	0.379044	1.47E-30	3.24E-29
ENSMUSG00000021798	LDB3	-1.35345	0.1178	1.49E-30	3.29E-29
ENSMUSG00000011305	PLIN5	-1.41676	0.123462	1.76E-30	3.87E-29
ENSMUSG00000025782	TAF3	1.283233	0.111872	1.86E-30	4.08E-29
ENSMUSG00000035620	RIC8B	-1.26414	0.110253	1.96E-30	4.30E-29
ENSMUSG00000003269	CYTH2	0.970215	0.084621	1.97E-30	4.32E-29
ENSMUSG00000034853	ACOT11	-2.33302	0.203499	1.99E-30	4.35E-29
ENSMUSG00000018740	SLC25A35	-1.68109	0.146711	2.13E-30	4.66E-29
ENSMUSG00000034312	IQSEC1	-1.13939	0.099519	2.38E-30	5.20E-29
ENSMUSG00000053119	CHMP3	1.171526	0.102405	2.64E-30	5.75E-29
ENSMUSG00000021375	KIF13A	-1.02549	0.089669	2.75E-30	5.98E-29
ENSMUSG00000028691	PRDX1	0.988287	0.086415	2.75E-30	5.98E-29
ENSMUSG00000020454	EIF4ENIF1	1.062113	0.092899	2.86E-30	6.22E-29
ENSMUSG00000050296	ABCA12	-2.42135	0.211898	3.07E-30	6.66E-29
ENSMUSG00000019122	CCL9	1.879331	0.164468	3.07E-30	6.67E-29
ENSMUSG00000058833	REX1BD	1.103747	0.096606	3.13E-30	6.78E-29
ENSMUSG00000075486	COMMD6	1.101366	0.096405	3.16E-30	6.84E-29
ENSMUSG00000005886	NCOA2	-1.07853	0.094439	3.31E-30	7.13E-29
ENSMUSG00000028124	GCLM	1.68117	0.147207	3.30E-30	7.13E-29
ENSMUSG00000026869	PSMD5	1.26157	0.110535	3.59E-30	7.73E-29
ENSMUSG00000031827	COTL1	1.838264	0.161076	3.63E-30	7.80E-29
ENSMUSG00000041012	CMTM8	-1.63627	0.143413	3.75E-30	8.05E-29
ENSMUSG00000032332	COL12A1	3.393273	0.297512	3.92E-30	8.42E-29
ENSMUSG00000015944	CASTOR2	-1.95861	0.171738	3.96E-30	8.50E-29
ENSMUSG00000053687	DPEP2	3.259394	0.285806	3.98E-30	8.53E-29
ENSMUSG00000048807	SLC35E4	1.505011	0.132077	4.43E-30	9.48E-29
ENSMUSG00000024583	TXNL1	0.943803	0.082827	4.44E-30	9.48E-29
ENSMUSG00000022812	GSK3B	1.210123	0.106211	4.50E-30	9.60E-29
ENSMUSG00000021116	EIF2S1	0.940772	0.082577	4.55E-30	9.69E-29
ENSMUSG00000079283	2310009B15RII	1.244802	0.109365	5.13E-30	1.09E-28
ENSMUSG00000025630	HPRT	0.944278	0.082969	5.20E-30	1.10E-28
ENSMUSG00000027843	PTPN22	2.425976	0.213196	5.32E-30	1.13E-28
ENSMUSG00000047473	ZFP30	-1.59311	0.140038	5.49E-30	1.16E-28
ENSMUSG00000074656	EIF2S2	0.947548	0.083324	5.77E-30	1.22E-28
ENSMUSG00000093954	GM16867	1.478693	0.130134	6.40E-30	1.35E-28
ENSMUSG00000025967	EEF1B2	0.953409	0.083926	6.60E-30	1.39E-28
ENSMUSG00000067870	RPL31-PS8	0.956421	0.084214	6.84E-30	1.44E-28
ENSMUSG00000096370	GM21992	2.620111	0.230742	6.99E-30	1.47E-28
ENSMUSG00000033543	GTF2A2	0.958032	0.084375	7.05E-30	1.48E-28
ENSMUSG00000037762	SLC16A9	-2.35506	0.207414	7.05E-30	1.48E-28
ENSMUSG00000020476	DBNL	0.945658	0.083298	7.19E-30	1.50E-28

ENSMUSG00000087141	PLCXD2	3.699604	0.325882	7.20E-30	1.51E-28
ENSMUSG00000003039	FAM32A	0.95264	0.083922	7.29E-30	1.52E-28
ENSMUSG00000020946	GOSR2	0.993484	0.087577	7.94E-30	1.65E-28
ENSMUSG00000093661	EIF4E3	-0.95027	0.083768	7.93E-30	1.65E-28
ENSMUSG00000009555	CDK9	1.032744	0.091057	8.16E-30	1.70E-28
ENSMUSG00000026644	ACBD7	2.580181	0.2275	8.18E-30	1.70E-28
ENSMUSG00000041084	OSTC	0.96442	0.085057	8.46E-30	1.76E-28
ENSMUSG00000021178	PSMC1	0.952567	0.084064	9.17E-30	1.90E-28
ENSMUSG00000022534	MEFV	4.621659	0.407899	9.28E-30	1.92E-28
ENSMUSG00000025491	IFITM1	2.28226	0.201543	9.99E-30	2.07E-28
ENSMUSG00000022346	MYC	2.778437	0.245415	1.03E-29	2.12E-28
ENSMUSG00000028495	RPS6	0.979727	0.086574	1.08E-29	2.24E-28
ENSMUSG00000038936	SCCPDH	-0.9491	0.083898	1.14E-29	2.34E-28
ENSMUSG00000022211	CARMIL3	-2.1203	0.187472	1.17E-29	2.41E-28
ENSMUSG00000020882	CACNB1	-1.70534	0.150917	1.31E-29	2.70E-28
ENSMUSG00000022204	NGDN	0.972427	0.086125	1.46E-29	2.99E-28
ENSMUSG00000071415	RPL23	0.956843	0.084757	1.48E-29	3.04E-28
ENSMUSG00000027180	FBXO3	-0.94217	0.0835	1.58E-29	3.25E-28
ENSMUSG00000040158	TAX1BP3	0.950339	0.084234	1.61E-29	3.29E-28
ENSMUSG00000029560	SNX8	1.019125	0.09041	1.80E-29	3.68E-28
ENSMUSG00000026753	PPP6C	0.997263	0.088507	1.90E-29	3.87E-28
ENSMUSG00000033278	PTPRM	-0.93066	0.082599	1.91E-29	3.89E-28
ENSMUSG00000021327	ZKSCAN3	-1.02374	0.090863	1.91E-29	3.89E-28
ENSMUSG00000035158	MITF	-1.05765	0.093925	2.05E-29	4.18E-28
ENSMUSG00000025512	CHID1	1.776587	0.157791	2.09E-29	4.24E-28
ENSMUSG00000022234	CCT5	0.924546	0.082145	2.19E-29	4.43E-28
ENSMUSG00000032518	RPSA	0.990483	0.088007	2.20E-29	4.46E-28
ENSMUSG00000030731	SYT3	-2.98032	0.264854	2.25E-29	4.55E-28
ENSMUSG00000022557	BOP1	0.953958	0.084851	2.51E-29	5.08E-28
ENSMUSG00000078578	UBE2D3	0.952951	0.084766	2.53E-29	5.11E-28
ENSMUSG00000069763	TMEM100	-1.48753	0.132413	2.77E-29	5.59E-28
ENSMUSG00000027253	LRP4	-2.00827	0.178964	3.19E-29	6.43E-28
ENSMUSG00000025907	RB1CC1	0.964654	0.085967	3.21E-29	6.45E-28
ENSMUSG00000012296	TJAP1	0.938567	0.083648	3.24E-29	6.50E-28
ENSMUSG00000043770	GM12481	0.937685	0.083649	3.65E-29	7.33E-28
ENSMUSG00000027566	PSMA7	0.925184	0.08254	3.69E-29	7.39E-28
ENSMUSG00000016559	H3F3B	2.458876	0.219389	3.73E-29	7.47E-28
ENSMUSG00000052139	BABAM2	1.02525	0.091504	3.88E-29	7.75E-28
ENSMUSG00000028961	PGD	1.024904	0.091492	3.98E-29	7.95E-28
ENSMUSG00000080268	BRMS1	1.010759	0.090275	4.24E-29	8.47E-28
ENSMUSG00000069682	GM10275	0.927436	0.082859	4.41E-29	8.80E-28
ENSMUSG00000096054	SYNE1	-0.99203	0.088667	4.65E-29	9.26E-28
ENSMUSG00000078249	HMGA1B	1.170967	0.104766	5.29E-29	1.05E-27
ENSMUSG00000030217	ART4	-3.46054	0.309713	5.50E-29	1.09E-27
ENSMUSG00000005583	MEF2C	-1.38707	0.124235	6.06E-29	1.20E-27
ENSMUSG00000023045	SOAT2	2.456383	0.220168	6.63E-29	1.31E-27
ENSMUSG00000026207	SPEG	-1.12127	0.100545	7.01E-29	1.39E-27
ENSMUSG00000034024	CCT2	0.937589	0.084149	7.83E-29	1.55E-27
ENSMUSG00000025794	RPL14	0.931138	0.083619	8.43E-29	1.66E-27
ENSMUSG00000062933	GM10123	0.937526	0.084201	8.54E-29	1.68E-27

ENSMUSG00000004451	RALB	0.940739	0.084507	8.75E-29	1.72E-27
ENSMUSG00000026944	ABCA2	-1.51095	0.135737	8.82E-29	1.74E-27
ENSMUSG00000069355	GM5152	4.306413	0.386987	9.16E-29	1.80E-27
ENSMUSG00000039199	ZDHHC1	-1.32476	0.119156	1.03E-28	2.02E-27
ENSMUSG00000060791	GMFG	1.748639	0.157315	1.05E-28	2.07E-27
ENSMUSG00000066647	GM5113	-1.2261	0.110391	1.16E-28	2.27E-27
ENSMUSG00000063317	USP31	1.176846	0.105994	1.21E-28	2.37E-27
ENSMUSG00000035849	KRT222	-2.04975	0.18464	1.24E-28	2.42E-27
ENSMUSG00000021699	PDE4D	-1.25729	0.113286	1.28E-28	2.49E-27
ENSMUSG00000010307	TMEM86A	-1.21191	0.109266	1.38E-28	2.69E-27
ENSMUSG00000032898	FBXO21	-1.65242	0.149063	1.48E-28	2.88E-27
ENSMUSG00000001415	SMG5	0.957096	0.086494	1.84E-28	3.59E-27
ENSMUSG00000031023	AKIP1	1.256855	0.113622	1.92E-28	3.74E-27
ENSMUSG00000026127	IMP4	1.183852	0.107101	2.11E-28	4.08E-27
ENSMUSG00000048701	CCDC6	1.20062	0.108659	2.21E-28	4.27E-27
ENSMUSG00000027502	RTF2	0.935955	0.084711	2.22E-28	4.29E-27
ENSMUSG00000022489	PDE1B	1.518907	0.137564	2.41E-28	4.65E-27
ENSMUSG00000030264	THUMPD3	1.105176	0.100115	2.47E-28	4.77E-27
ENSMUSG00000018293	PFN1	1.001366	0.090746	2.59E-28	4.99E-27
ENSMUSG00000026930	GPSM1	-1.92522	0.174615	2.88E-28	5.54E-27
ENSMUSG00000026470	STX6	1.149907	0.104309	2.93E-28	5.62E-27
ENSMUSG00000014504	SRP19	0.929558	0.084335	2.99E-28	5.73E-27
ENSMUSG00000018171	VMP1	1.036722	0.0941	3.16E-28	6.05E-27
ENSMUSG00000025616	USP16	1.02769	0.093296	3.22E-28	6.17E-27
ENSMUSG00000037096	GM9762	1.083853	0.098399	3.24E-28	6.19E-27
ENSMUSG00000099689	ZFP383	-1.31743	0.119608	3.25E-28	6.21E-27
ENSMUSG00000023286	UBE2J2	0.934435	0.084845	3.29E-28	6.28E-27
ENSMUSG00000042814	MCTS2	1.073001	0.097474	3.49E-28	6.66E-27
ENSMUSG00000030254	RAD18	2.128063	0.193401	3.68E-28	7.01E-27
ENSMUSG00000025049	TAF5	1.283227	0.116646	3.78E-28	7.18E-27
ENSMUSG00000026047	KDELC1	-1.17679	0.106973	3.79E-28	7.19E-27
ENSMUSG00000075467	DNLZ	1.024835	0.093178	3.88E-28	7.35E-27
ENSMUSG00000007892	RPLP1	0.959776	0.087294	4.05E-28	7.68E-27
ENSMUSG00000001380	HARS	0.91615	0.083338	4.12E-28	7.81E-27
ENSMUSG00000070524	FCRLB	4.87146	0.44315	4.14E-28	7.82E-27
ENSMUSG00000025511	TSPAN4	1.298337	0.118176	4.44E-28	8.38E-27
ENSMUSG00000006599	GTF2H1	1.016212	0.092537	4.68E-28	8.83E-27
ENSMUSG00000016356	COL20A1	2.509481	0.228628	4.97E-28	9.36E-27
ENSMUSG00000023094	MSRB2	-1.61483	0.147202	5.31E-28	1.00E-26
ENSMUSG00000048897	ZFP710	-1.05699	0.096376	5.48E-28	1.03E-26
ENSMUSG00000033578	TMEM35A	-2.62672	0.239554	5.63E-28	1.06E-26
ENSMUSG00000059263	USP47	1.108672	0.101182	6.14E-28	1.15E-26
ENSMUSG00000035385	CCL2	3.796658	0.346747	6.69E-28	1.25E-26
ENSMUSG00000048832	VPS37C	0.914456	0.083544	6.96E-28	1.30E-26
ENSMUSG00000041762	GPR155	-1.33637	0.122128	7.23E-28	1.35E-26
ENSMUSG00000067949	VMN1R-PS144	4.232413	0.386892	7.46E-28	1.39E-26
ENSMUSG00000003429	RPS11	0.909938	0.083205	7.75E-28	1.45E-26
ENSMUSG00000025484	BET1L	1.486737	0.13595	7.76E-28	1.45E-26
ENSMUSG00000032399	RPL4	0.942751	0.08624	8.13E-28	1.51E-26
ENSMUSG00000035960	APEX1	1.00067	0.091639	9.27E-28	1.72E-26

ENSMUSG00000046516	COX17	1.199712	0.109871	9.32E-28	1.73E-26
ENSMUSG00000030521	MPHOSPH10	1.000834	0.091665	9.42E-28	1.75E-26
ENSMUSG00000024841	EIF1AD	0.923265	0.08459	9.82E-28	1.82E-26
ENSMUSG00000070697	UTP3	0.917234	0.084144	1.14E-27	2.11E-26
ENSMUSG00000015474	PPT2	-0.98651	0.09056	1.24E-27	2.29E-26
ENSMUSG00000024395	LIMS2	-0.92393	0.084821	1.25E-27	2.31E-26
ENSMUSG00000048163	SELPLG	1.761252	0.161732	1.29E-27	2.38E-26
ENSMUSG00000041769	PPP2R2D	0.974444	0.089545	1.40E-27	2.59E-26
ENSMUSG00000042246	TMC7	-1.94859	0.179117	1.45E-27	2.68E-26
ENSMUSG00000018565	ELP5	0.964683	0.088792	1.70E-27	3.13E-26
ENSMUSG00000041319	THOC6	1.214737	0.111846	1.77E-27	3.26E-26
ENSMUSG00000028692	AKR1A1	0.907641	0.083595	1.84E-27	3.37E-26
ENSMUSG00000030231	PLEKHA5	-1.00917	0.093007	1.98E-27	3.64E-26
ENSMUSG00000021598	MED10	1.207613	0.111306	2.01E-27	3.67E-26
ENSMUSG00000056962	JMJD6	1.226698	0.113072	2.02E-27	3.69E-26
ENSMUSG00000032103	PUS3	1.144743	0.105572	2.15E-27	3.92E-26
ENSMUSG00000078941	AK6	0.899489	0.082985	2.25E-27	4.10E-26
ENSMUSG00000063888	RPL7L1	0.898203	0.08287	2.26E-27	4.11E-26
ENSMUSG00000022306	ZFPM2	-1.14663	0.105897	2.54E-27	4.63E-26
ENSMUSG00000022865	CXADR	0.905585	0.083636	2.55E-27	4.63E-26
ENSMUSG00000011382	DHDH	-1.11805	0.103265	2.56E-27	4.66E-26
ENSMUSG00000002279	LMF1	-1.40469	0.12977	2.64E-27	4.78E-26
ENSMUSG00000043091	TUBA1C	1.500453	0.138616	2.63E-27	4.78E-26
ENSMUSG00000026928	CARD9	2.000521	0.184822	2.65E-27	4.80E-26
ENSMUSG00000071715	NCF4	2.435572	0.225041	2.68E-27	4.86E-26
ENSMUSG00000039047	PIGK	1.010299	0.093368	2.75E-27	4.97E-26
ENSMUSG00000004069	DNAJA3	-0.89207	0.082445	2.76E-27	4.99E-26
ENSMUSG000000100210	HIST1H3F	2.714769	0.251172	3.14E-27	5.67E-26
ENSMUSG00000001128	CFP	1.382485	0.127947	3.26E-27	5.87E-26
ENSMUSG00000024491	RBM27	1.047341	0.096999	3.54E-27	6.37E-26
ENSMUSG00000006095	TBCB	1.002527	0.09286	3.59E-27	6.46E-26
ENSMUSG00000032612	USP4	0.902213	0.083648	4.02E-27	7.21E-26
ENSMUSG00000047511	OLFR1396	-2.63596	0.244391	4.01E-27	7.21E-26
ENSMUSG00000041278	TTC1	0.90918	0.084357	4.38E-27	7.85E-26
ENSMUSG00000058407	TXNDC9	0.907364	0.084222	4.59E-27	8.22E-26
ENSMUSG00000020133	2310011J03RIK	0.942601	0.087503	4.66E-27	8.32E-26
ENSMUSG00000039137	WHRN	-2.40084	0.222874	4.66E-27	8.32E-26
ENSMUSG00000006304	ARPC2	0.901689	0.083772	5.11E-27	9.13E-26
ENSMUSG00000029465	ARPC3	0.890952	0.082777	5.13E-27	9.15E-26
ENSMUSG00000049295	ZFP219	-0.96651	0.089816	5.26E-27	9.37E-26
ENSMUSG00000015745	PLEKHO1	0.896643	0.083334	5.34E-27	9.50E-26
ENSMUSG00000056737	CAPG	1.893003	0.175971	5.46E-27	9.72E-26
ENSMUSG00000026170	CYP27A1	-1.28987	0.120019	6.11E-27	1.08E-25
ENSMUSG00000032875	ARHGEF17	-1.08769	0.101247	6.39E-27	1.13E-25
ENSMUSG00000022024	SUGT1	0.891411	0.082996	6.57E-27	1.16E-25
ENSMUSG00000037085	TRMT12	1.12134	0.104415	6.66E-27	1.18E-25
ENSMUSG00000055839	ELOB	0.891731	0.083045	6.76E-27	1.19E-25
ENSMUSG00000027259	ADAL	-1.31319	0.122318	6.91E-27	1.22E-25
ENSMUSG00000067365	TMEM128	1.157806	0.107857	7.00E-27	1.23E-25
ENSMUSG00000043284	TMEM11	0.903447	0.084191	7.29E-27	1.28E-25

ENSMUSG00000037583	NR0B2	-1.3503	0.125926	7.94E-27	1.40E-25
ENSMUSG00000018286	PSMB6	0.974426	0.090884	8.06E-27	1.42E-25
ENSMUSG00000031578	MAK16	1.139249	0.106285	8.31E-27	1.46E-25
ENSMUSG00000021775	NR1D2	-1.18739	0.110812	8.63E-27	1.51E-25
ENSMUSG00000026511	SRP9	0.886785	0.08281	9.27E-27	1.63E-25
ENSMUSG00000025613	CCT8	0.881371	0.082351	9.89E-27	1.73E-25
ENSMUSG00000070577	GM572	-1.55415	0.145275	1.04E-26	1.82E-25
ENSMUSG00000001281	ITGB7	2.307048	0.215671	1.05E-26	1.84E-25
ENSMUSG00000028414	FKTN	-1.01401	0.094807	1.07E-26	1.87E-25
ENSMUSG00000009633	G0S2	-2.19393	0.205266	1.16E-26	2.02E-25
ENSMUSG00000020024	CEP83	0.955784	0.089436	1.17E-26	2.05E-25
ENSMUSG00000012405	RPL15	1.24474	0.116495	1.20E-26	2.09E-25
ENSMUSG00000025134	ALYREF	1.057597	0.09899	1.21E-26	2.11E-25
ENSMUSG00000020869	LRRC59	0.898597	0.084125	1.24E-26	2.16E-25
ENSMUSG00000022194	PABPN1	0.89681	0.083985	1.29E-26	2.23E-25
ENSMUSG00000002111	SPI1	1.86824	0.17496	1.29E-26	2.23E-25
ENSMUSG00000029066	MRPL20	0.919523	0.086129	1.32E-26	2.28E-25
ENSMUSG00000020656	GRHL1	2.585658	0.242349	1.42E-26	2.46E-25
ENSMUSG00000024188	LUC7L	0.92573	0.086785	1.45E-26	2.51E-25
ENSMUSG00000002846	TIMMDC1	0.890613	0.083502	1.47E-26	2.54E-25
ENSMUSG00000041453	RPL21	0.893207	0.083761	1.50E-26	2.59E-25
ENSMUSG00000017195	ZBPB2	5.404146	0.506895	1.54E-26	2.66E-25
ENSMUSG00000046182	GSG1L	-1.05026	0.098517	1.55E-26	2.68E-25
ENSMUSG00000047793	SNED1	-2.03643	0.19103	1.56E-26	2.69E-25
ENSMUSG00000018479	1700125H20RI	5.190219	0.487285	1.72E-26	2.96E-25
ENSMUSG00000078794	DACT3	-1.07318	0.100976	2.20E-26	3.78E-25
ENSMUSG00000037206	ISLR	-2.23243	0.210066	2.23E-26	3.82E-25
ENSMUSG00000035372	1810055G02RI	1.174321	0.110539	2.31E-26	3.97E-25
ENSMUSG00000019278	DPEP1	-1.18021	0.111114	2.37E-26	4.05E-25
ENSMUSG00000041608	ENTPD3	4.624346	0.435511	2.45E-26	4.19E-25
ENSMUSG00000056054	S100A8	3.255508	0.306687	2.54E-26	4.33E-25
ENSMUSG00000052229	GPR17	-1.93043	0.181888	2.58E-26	4.41E-25
ENSMUSG00000049878	RLF	0.905023	0.085274	2.59E-26	4.41E-25
ENSMUSG00000029304	SPP1	6.624183	0.624527	2.77E-26	4.72E-25
ENSMUSG00000029364	WSB2	0.876407	0.082637	2.81E-26	4.78E-25
ENSMUSG00000004473	CLEC11A	1.904088	0.179691	3.09E-26	5.26E-25
ENSMUSG00000039703	NPLOC4	0.9188	0.086783	3.41E-26	5.79E-25
ENSMUSG00000040430	PITPNC1	-1.23246	0.116499	3.72E-26	6.31E-25
ENSMUSG00000000740	RPL13	0.921832	0.087155	3.81E-26	6.46E-25
ENSMUSG00000057229	DMAC2	-1.26538	0.11967	3.94E-26	6.66E-25
ENSMUSG00000069744	PSMB3	0.874307	0.0827	4.02E-26	6.79E-25
ENSMUSG00000067825	PEX26	-1.85546	0.175509	4.02E-26	6.80E-25
ENSMUSG00000046318	CCBE1	-2.27605	0.215382	4.22E-26	7.12E-25
ENSMUSG00000030838	USH1C	-1.5362	0.145381	4.25E-26	7.17E-25
ENSMUSG00000007589	TINF2	0.99409	0.094106	4.40E-26	7.41E-25
ENSMUSG00000043122	A530016L24RII	-2.47615	0.234431	4.45E-26	7.49E-25
ENSMUSG00000002052	SUPT6	0.875053	0.08289	4.72E-26	7.94E-25
ENSMUSG00000006014	PRG4	2.947655	0.279226	4.74E-26	7.96E-25
ENSMUSG00000049502	DTX3L	-1.19567	0.113287	4.85E-26	8.13E-25
ENSMUSG00000056429	TGOLN1	1.007571	0.095468	4.87E-26	8.16E-25

ENSMUSG00000047423	AI837181	0.891757	0.084514	5.00E-26	8.37E-25
ENSMUSG00000040549	CKAP5	-0.94498	0.089576	5.10E-26	8.54E-25
ENSMUSG00000002799	JAG2	-0.94188	0.089296	5.20E-26	8.68E-25
ENSMUSG00000006699	CDC42	0.885132	0.083916	5.20E-26	8.68E-25
ENSMUSG00000043518	RAI2	-0.90772	0.086086	5.39E-26	9.00E-25
ENSMUSG00000067995	GTF2F2	1.002002	0.095044	5.50E-26	9.17E-25
ENSMUSG00000061787	RPS17	0.899795	0.085386	5.77E-26	9.60E-25
ENSMUSG00000031166	WDR13	-0.99597	0.094564	6.13E-26	1.02E-24
ENSMUSG00000035342	LZTS2	-0.87551	0.083129	6.15E-26	1.02E-24
ENSMUSG00000020176	GRB10	-1.035	0.098325	6.54E-26	1.08E-24
ENSMUSG00000008999	BMP7	-2.75404	0.261698	6.72E-26	1.11E-24
ENSMUSG00000038949	CNST	-0.90277	0.085795	6.81E-26	1.13E-24
ENSMUSG00000004319	CLCN3	-0.91074	0.086571	6.97E-26	1.15E-24
ENSMUSG00000029287	TGFBR3	-1.05339	0.100217	7.68E-26	1.27E-24
ENSMUSG00000002266	ZIM1	-2.80789	0.267268	8.12E-26	1.34E-24
ENSMUSG00000038886	MAN2A2	-0.94482	0.089939	8.18E-26	1.35E-24
ENSMUSG00000047037	NIPA1	-1.29985	0.123772	8.46E-26	1.39E-24
ENSMUSG00000035673	SBNO2	1.803548	0.171881	9.30E-26	1.53E-24
ENSMUSG00000073375	LRRC30	-4.13286	0.393969	9.57E-26	1.57E-24
ENSMUSG00000051000	FAM160A1	-0.88471	0.084348	9.72E-26	1.60E-24
ENSMUSG00000020919	STAT5B	-0.87198	0.083153	9.97E-26	1.64E-24
ENSMUSG00000006732	METT1	1.147906	0.109477	1.01E-25	1.65E-24
ENSMUSG00000027447	CST3	0.949086	0.09056	1.07E-25	1.75E-24
ENSMUSG00000015671	PSMA2	0.86647	0.082683	1.07E-25	1.76E-24
ENSMUSG00000036617	ETL4	-1.08645	0.103705	1.11E-25	1.81E-24
ENSMUSG00000058498	RNF207	-2.80041	0.267496	1.20E-25	1.96E-24
ENSMUSG00000028433	UBAP2	-1.33932	0.127978	1.25E-25	2.04E-24
ENSMUSG00000035373	CCL7	3.568527	0.341012	1.26E-25	2.05E-24
ENSMUSG00000025877	HK3	1.849048	0.176699	1.26E-25	2.05E-24
ENSMUSG00000079419	MS4A6C	1.377735	0.131693	1.29E-25	2.11E-24
ENSMUSG00000018848	RARS	0.974981	0.093198	1.30E-25	2.11E-24
ENSMUSG00000019899	LAMA2	-0.96808	0.092543	1.31E-25	2.12E-24
ENSMUSG00000025236	ADPGK	1.102695	0.105448	1.36E-25	2.20E-24
ENSMUSG00000021282	EIF5	0.892172	0.08536	1.44E-25	2.33E-24
ENSMUSG00000063316	RPL27	1.17261	0.112231	1.49E-25	2.42E-24
ENSMUSG00000074884	SERF2	0.937401	0.089747	1.55E-25	2.50E-24
ENSMUSG00000036712	CYLD	0.875771	0.083856	1.56E-25	2.53E-24
ENSMUSG00000054945	GM9958	2.035775	0.195051	1.68E-25	2.71E-24
ENSMUSG00000090136	GM10177	0.966821	0.092654	1.72E-25	2.78E-24
ENSMUSG00000032372	PLSCR2	0.906631	0.086914	1.78E-25	2.87E-24
ENSMUSG00000028608	0610037L13RIH	0.898789	0.086163	1.79E-25	2.88E-24
ENSMUSG00000030465	PSD3	-1.24782	0.119641	1.82E-25	2.92E-24
ENSMUSG00000059409	PPP2R5D	-1.12123	0.107566	1.93E-25	3.11E-24
ENSMUSG00000056476	MED12L	-1.33435	0.12802	1.95E-25	3.13E-24
ENSMUSG00000022425	ENPP2	-1.7549	0.168428	2.02E-25	3.25E-24
ENSMUSG00000032777	GTF3C1	-0.9343	0.089678	2.04E-25	3.28E-24
ENSMUSG00000029649	POMP	0.965184	0.092685	2.15E-25	3.44E-24
ENSMUSG00000092246	GM20493	4.104008	0.394253	2.24E-25	3.59E-24
ENSMUSG00000041438	UTP4	0.889819	0.085493	2.28E-25	3.64E-24
ENSMUSG00000032504	PDCD6IP	0.890882	0.085603	2.30E-25	3.68E-24

ENSMUSG00000052557	GAN	1.95189	0.187611	2.38E-25	3.80E-24
ENSMUSG00000047586	NCCRP1	4.083286	0.39261	2.47E-25	3.94E-24
ENSMUSG00000017737	MMP9	3.036682	0.292112	2.60E-25	4.13E-24
ENSMUSG00000029614	RPL6	0.867999	0.083548	2.78E-25	4.42E-24
ENSMUSG00000030588	YIF1B	0.864594	0.083223	2.78E-25	4.43E-24
ENSMUSG00000005836	GATA6	-0.86446	0.083231	2.86E-25	4.54E-24
ENSMUSG00000026104	STAT1	-1.38837	0.133677	2.87E-25	4.56E-24
ENSMUSG00000012535	TNPO3	0.865189	0.083343	3.03E-25	4.80E-24
ENSMUSG00000027367	STARD7	-0.86413	0.083266	3.12E-25	4.95E-24
ENSMUSG00000000826	DNAJC5	0.871874	0.084033	3.21E-25	5.08E-24
ENSMUSG00000062619	2310039H08RI	1.311082	0.126407	3.33E-25	5.26E-24
ENSMUSG00000044641	PARD6B	1.364236	0.131547	3.37E-25	5.32E-24
ENSMUSG00000040723	RCSD1	-0.86042	0.082973	3.40E-25	5.37E-24
ENSMUSG00000070385	AMPD1	4.088865	0.394346	3.44E-25	5.42E-24
ENSMUSG00000020684	RASL10B	-1.1423	0.110189	3.51E-25	5.53E-24
ENSMUSG00000021575	AHRR	-2.16534	0.208905	3.57E-25	5.62E-24
ENSMUSG00000028559	OSBPL9	0.86593	0.083553	3.62E-25	5.69E-24
ENSMUSG00000036371	SERBP1	0.892251	0.086123	3.76E-25	5.91E-24
ENSMUSG00000026180	CXCR2	2.753493	0.265821	3.83E-25	6.01E-24
ENSMUSG000000107167	GM34653	4.108283	0.396768	4.00E-25	6.27E-24
ENSMUSG00000073131	VMA21	1.042709	0.100717	4.06E-25	6.36E-24
ENSMUSG00000043866	TAF10	0.879218	0.084928	4.07E-25	6.38E-24
ENSMUSG00000078937	CPT1B	-0.85271	0.082402	4.26E-25	6.67E-24
ENSMUSG00000024146	CRIP1	0.900146	0.08701	4.40E-25	6.87E-24
ENSMUSG00000002012	PNCK	-1.37265	0.132704	4.47E-25	6.98E-24
ENSMUSG00000021040	SLIRP	0.915395	0.088521	4.60E-25	7.17E-24
ENSMUSG00000043557	MDGA1	-2.04222	0.197498	4.62E-25	7.20E-24
ENSMUSG00000064030	PYM1	1.105502	0.107017	5.15E-25	8.01E-24
ENSMUSG00000071644	EEF1G	0.963267	0.093252	5.17E-25	8.04E-24
ENSMUSG00000015341	GOLGA7	0.856578	0.082936	5.25E-25	8.16E-24
ENSMUSG00000062210	TNFAIP8	-0.8884	0.086018	5.26E-25	8.16E-24
ENSMUSG00000009995	TAZ	-0.97181	0.094124	5.45E-25	8.45E-24
ENSMUSG00000019188	H13	0.960636	0.093056	5.53E-25	8.56E-24
ENSMUSG00000023913	PLA2G7	1.718796	0.166498	5.53E-25	8.56E-24
ENSMUSG00000007033	HSPA1L	0.98098	0.095031	5.56E-25	8.60E-24
ENSMUSG00000075078	OLFR1250	4.073572	0.394742	5.75E-25	8.88E-24
ENSMUSG00000041057	WDR43	1.087274	0.105368	5.79E-25	8.94E-24
ENSMUSG00000038763	ALPK3	-0.84931	0.08233	5.98E-25	9.22E-24
ENSMUSG00000078502	GM13212	-1.48961	0.144404	5.99E-25	9.23E-24
ENSMUSG00000078652	PSME3	0.896794	0.086955	6.13E-25	9.44E-24
ENSMUSG00000073563	CSNK1G3	0.969904	0.094099	6.53E-25	1.00E-23
ENSMUSG00000030341	TNFRSF1A	1.001848	0.097222	6.71E-25	1.03E-23
ENSMUSG00000024525	IMPA2	-1.28381	0.124588	6.72E-25	1.03E-23
ENSMUSG00000003200	SH3GL1	0.922253	0.08952	6.89E-25	1.06E-23
ENSMUSG00000006392	MED8	0.946646	0.091909	7.06E-25	1.08E-23
ENSMUSG00000017167	CNTNAP1	-2.0605	0.200148	7.43E-25	1.14E-23
ENSMUSG00000035004	IGSF6	1.417349	0.137717	7.68E-25	1.17E-23
ENSMUSG00000035572	DCAF10	1.067781	0.103776	7.88E-25	1.20E-23
ENSMUSG00000038508	GDF15	2.068138	0.201127	8.43E-25	1.29E-23
ENSMUSG00000028643	SVBP	0.957962	0.093164	8.44E-25	1.29E-23

ENSMUSG00000060187	LRRC10	-0.85597	0.083245	8.45E-25	1.29E-23
ENSMUSG00000044465	FAM160A2	1.055021	0.102617	8.57E-25	1.31E-23
ENSMUSG00000003559	AS3MT	-1.08627	0.10567	8.69E-25	1.32E-23
ENSMUSG00000042854	TRP53RKB	1.774182	0.172589	8.69E-25	1.32E-23
ENSMUSG00000001473	TUBB6	1.944302	0.189211	9.05E-25	1.38E-23
ENSMUSG000000022503	NUBP1	1.206282	0.117407	9.20E-25	1.40E-23
ENSMUSG000000033105	LSS	1.71221	0.16666	9.26E-25	1.40E-23
ENSMUSG000000029095	ABLM2	-1.3254	0.129024	9.37E-25	1.42E-23
ENSMUSG000000031451	GAS6	-0.92354	0.089936	9.73E-25	1.47E-23
ENSMUSG000000024544	LDLRAD4	-1.30829	0.127416	9.84E-25	1.49E-23
ENSMUSG000000047798	CD300LF	3.881232	0.378043	9.96E-25	1.50E-23
ENSMUSG000000038127	CCDC50	1.225856	0.119436	1.03E-24	1.55E-23
ENSMUSG000000027245	HYPK	1.392964	0.135783	1.08E-24	1.63E-23
ENSMUSG000000026586	PRRX1	-1.2832	0.125086	1.08E-24	1.63E-23
ENSMUSG000000003970	RPL8	0.986748	0.096207	1.11E-24	1.67E-23
ENSMUSG000000037119	FAM91A1	0.895546	0.087336	1.14E-24	1.71E-23
ENSMUSG000000104713	GBP6	-2.56251	0.249998	1.18E-24	1.78E-23
ENSMUSG000000025132	ARHGDIA	0.915629	0.089345	1.20E-24	1.81E-23
ENSMUSG000000026031	CFLAR	1.062279	0.103657	1.21E-24	1.81E-23
ENSMUSG000000046908	LTB4R1	3.514806	0.343068	1.24E-24	1.86E-23
ENSMUSG000000032484	NGP	4.037657	0.394229	1.29E-24	1.93E-23
ENSMUSG000000028086	FBXW7	-1.03292	0.100859	1.30E-24	1.94E-23
ENSMUSG000000074818	PDZD7	-2.00203	0.1956	1.38E-24	2.06E-23
ENSMUSG000000063785	UTP14A	0.913275	0.089277	1.46E-24	2.18E-23
ENSMUSG000000045128	RPL18A	0.896236	0.087622	1.48E-24	2.21E-23
ENSMUSG000000060098	PRMT7	1.022603	0.099995	1.51E-24	2.25E-23
ENSMUSG000000049489	CCNQ	-1.31595	0.128681	1.51E-24	2.25E-23
ENSMUSG000000035473	GALM	-1.94718	0.190435	1.53E-24	2.28E-23
ENSMUSG000000028975	PEX14	0.930319	0.091022	1.60E-24	2.38E-23
ENSMUSG000000040528	MILR1	2.321923	0.227586	1.93E-24	2.87E-23
ENSMUSG000000039195	1110008P14RII	0.864421	0.084733	1.95E-24	2.89E-23
ENSMUSG000000030220	ARHGDIB	1.030694	0.101059	2.01E-24	2.97E-23
ENSMUSG000000030255	SSPN	-1.71206	0.167931	2.09E-24	3.09E-23
ENSMUSG000000040669	PHC1	-1.08329	0.106269	2.11E-24	3.13E-23
ENSMUSG000000021024	PSMA6	0.840856	0.082506	2.16E-24	3.20E-23
ENSMUSG000000023988	BYSL	0.856263	0.084023	2.18E-24	3.22E-23
ENSMUSG000000042109	CSDC2	-2.2606	0.221854	2.21E-24	3.26E-23
ENSMUSG000000036835	PSENN	0.896998	0.088065	2.30E-24	3.39E-23
ENSMUSG000000025795	RASSF3	-0.84442	0.082915	2.33E-24	3.44E-23
ENSMUSG000000014164	KLHL3	-1.88006	0.184697	2.46E-24	3.62E-23
ENSMUSG000000005087	CD44	2.097776	0.206089	2.46E-24	3.62E-23
ENSMUSG000000025290	RPS24	0.89804	0.088233	2.49E-24	3.65E-23
ENSMUSG000000053964	LGALS4	-2.17218	0.213425	2.49E-24	3.66E-23
ENSMUSG000000021716	SREK1IP1	-1.10178	0.108258	2.50E-24	3.67E-23
ENSMUSG000000052605	ISOC2B	2.174029	0.213668	2.57E-24	3.77E-23
ENSMUSG000000009549	SRP14	0.839687	0.082553	2.66E-24	3.89E-23
ENSMUSG000000060992	COPZ1	0.840737	0.082712	2.85E-24	4.17E-23
ENSMUSG000000039457	PPL	-2.28819	0.225222	3.00E-24	4.39E-23
ENSMUSG000000054517	TRIM65	-1.18729	0.116876	3.04E-24	4.44E-23
ENSMUSG000000022774	NCBP2	0.935257	0.092114	3.21E-24	4.68E-23

ENSMUSG00000038994	HILS1	-4.22713	0.416501	3.34E-24	4.88E-23
ENSMUSG00000035364	4930524J08RIK	2.890434	0.284798	3.35E-24	4.88E-23
ENSMUSG00000024327	SLC39A7	0.845192	0.083285	3.37E-24	4.91E-23
ENSMUSG00000001383	ZMAT2	0.842662	0.083098	3.65E-24	5.31E-23
ENSMUSG00000038510	RPF2	1.079488	0.106461	3.68E-24	5.35E-23
ENSMUSG00000020647	NCOA1	-0.88192	0.086984	3.71E-24	5.39E-23
ENSMUSG00000003233	DVL3	-0.92198	0.090972	3.87E-24	5.62E-23
ENSMUSG00000020623	MAP2K6	-2.99395	0.295423	3.89E-24	5.63E-23
ENSMUSG00000078670	FAM174B	-1.14583	0.113085	3.97E-24	5.75E-23
ENSMUSG00000025499	HRAS	0.840177	0.08293	4.02E-24	5.81E-23
ENSMUSG00000006215	ZBTB17	1.116531	0.110209	4.02E-24	5.82E-23
ENSMUSG00000032034	KCNJ5	-2.49228	0.246006	4.03E-24	5.82E-23
ENSMUSG00000040462	OS9	0.839168	0.082877	4.26E-24	6.15E-23
ENSMUSG00000019373	COPS3	0.839916	0.082965	4.33E-24	6.25E-23
ENSMUSG00000019944	RHOBTB1	-2.1044	0.207917	4.44E-24	6.40E-23
ENSMUSG00000051316	TAF7	1.477306	0.145989	4.54E-24	6.53E-23
ENSMUSG00000001755	COASY	1.428241	0.141165	4.62E-24	6.65E-23
ENSMUSG00000021595	NSUN2	0.893773	0.088427	5.12E-24	7.36E-23
ENSMUSG00000059824	DBP	-2.50552	0.247961	5.28E-24	7.58E-23
ENSMUSG00000030681	MVP	0.998536	0.098827	5.31E-24	7.62E-23
ENSMUSG00000026922	AGPAT2	-0.90116	0.089192	5.33E-24	7.64E-23
ENSMUSG00000045658	PID1	1.234966	0.122254	5.43E-24	7.79E-23
ENSMUSG00000024913	LRP5	-0.9925	0.098291	5.67E-24	8.11E-23
ENSMUSG00000029198	GRPEL1	0.843843	0.083572	5.68E-24	8.13E-23
ENSMUSG00000039952	DAG1	-0.92671	0.091779	5.69E-24	8.13E-23
ENSMUSG00000028127	ABCD3	-0.83787	0.082999	5.82E-24	8.31E-23
ENSMUSG00000029001	FBXO44	-1.19978	0.118861	5.88E-24	8.38E-23
ENSMUSG00000049130	C5AR1	1.776473	0.176008	5.92E-24	8.44E-23
ENSMUSG00000028792	AK2	0.837577	0.082999	6.03E-24	8.59E-23
ENSMUSG00000029623	PDAP1	0.85036	0.084267	6.04E-24	8.60E-23
ENSMUSG00000035314	GDPD5	-1.47308	0.145989	6.10E-24	8.67E-23
ENSMUSG00000020743	MIF4GD	-0.95651	0.094804	6.16E-24	8.75E-23
ENSMUSG00000078684	5830417110RIK	-0.84737	0.084003	6.28E-24	8.92E-23
ENSMUSG00000046108	IL17C	4.321446	0.428416	6.30E-24	8.94E-23
ENSMUSG00000020926	ADAM11	-1.69215	0.167832	6.61E-24	9.37E-23
ENSMUSG00000015804	MED28	0.866351	0.085969	6.95E-24	9.84E-23
ENSMUSG00000022035	CCDC25	0.842821	0.08373	7.81E-24	1.11E-22
ENSMUSG00000048865	ARHGAP30	1.362737	0.135409	7.98E-24	1.13E-22
ENSMUSG00000069270	HIST1H2AC	3.350265	0.333584	9.84E-24	1.39E-22
ENSMUSG00000031216	STARD8	-1.29796	0.129359	1.08E-23	1.53E-22
ENSMUSG00000051518	RPS19BP1	1.001904	0.099859	1.09E-23	1.54E-22
ENSMUSG00000032109	NLRX1	-0.98191	0.097923	1.16E-23	1.63E-22
ENSMUSG00000025348	ITGA7	1.296854	0.129355	1.18E-23	1.66E-22
ENSMUSG00000039770	YPEL5	0.834045	0.083208	1.20E-23	1.69E-22
ENSMUSG00000036299	BC031181	0.842068	0.084013	1.21E-23	1.70E-22
ENSMUSG00000024911	FIBP	0.856178	0.085444	1.24E-23	1.74E-22
ENSMUSG00000040613	APOBEC1	1.540161	0.153725	1.26E-23	1.77E-22
ENSMUSG00000052135	FOXO6	-2.00638	0.200316	1.30E-23	1.82E-22
ENSMUSG00000025380	FSCN2	3.664152	0.365854	1.30E-23	1.83E-22
ENSMUSG00000040712	CAMTA2	-0.84731	0.084605	1.31E-23	1.84E-22

ENSMUSG00000038086	HSPB2	0.853264	0.085229	1.36E-23	1.90E-22
ENSMUSG00000021103	MNAT1	1.087389	0.108624	1.37E-23	1.91E-22
ENSMUSG00000038522	MFSD4B1	-2.50918	0.250679	1.38E-23	1.93E-22
ENSMUSG00000026889	RBM18	0.888981	0.088906	1.54E-23	2.14E-22
ENSMUSG00000087687	PET100	1.109221	0.110945	1.56E-23	2.17E-22
ENSMUSG00000034892	RPS29	0.857523	0.085779	1.57E-23	2.19E-22
ENSMUSG00000004788	EIF2B2	0.96324	0.096379	1.62E-23	2.25E-22
ENSMUSG00000032649	COLGALT2	-1.38311	0.138456	1.69E-23	2.36E-22
ENSMUSG00000021945	ZMYM2	-0.87555	0.087649	1.70E-23	2.36E-22
ENSMUSG00000031145	PRICKLE3	-1.39689	0.139878	1.75E-23	2.42E-22
ENSMUSG00000044991	SHLD1	-1.40583	0.140808	1.79E-23	2.48E-22
ENSMUSG00000038816	CTNNAL1	-1.51532	0.151811	1.83E-23	2.54E-22
ENSMUSG00000024617	CAMK2A	-2.55595	0.256072	1.84E-23	2.55E-22
ENSMUSG00000090862	RPS13	0.883153	0.088576	2.05E-23	2.84E-22
ENSMUSG00000019883	ECHDC1	-1.04201	0.104518	2.07E-23	2.86E-22
ENSMUSG00000023951	VEGFA	-1.47752	0.148487	2.51E-23	3.47E-22
ENSMUSG00000022307	OXR1	-0.83572	0.084046	2.69E-23	3.71E-22
ENSMUSG00000039096	RSAD1	-1.14217	0.114939	2.87E-23	3.96E-22
ENSMUSG00000033871	PPARGC1B	-1.77938	0.179099	2.93E-23	4.03E-22
ENSMUSG00000026211	OBSL1	-1.38411	0.139442	3.21E-23	4.42E-22
ENSMUSG00000041459	TARDBP	0.824878	0.083137	3.34E-23	4.60E-22
ENSMUSG00000024640	PSAT1	1.864028	0.187919	3.43E-23	4.72E-22
ENSMUSG00000040543	PITPNM3	-2.5547	0.257606	3.51E-23	4.82E-22
ENSMUSG00000026430	RASSF5	1.345704	0.135717	3.56E-23	4.89E-22
ENSMUSG00000018906	P4HA2	-0.94	0.094825	3.66E-23	5.01E-22
ENSMUSG00000091931	GON7	1.135508	0.114559	3.69E-23	5.06E-22
ENSMUSG00000078919	DPM1	1.255611	0.126679	3.70E-23	5.07E-22
ENSMUSG00000036552	ERMARD	0.828313	0.083624	3.95E-23	5.41E-22
ENSMUSG00000037239	SPRED3	1.801701	0.182009	4.21E-23	5.75E-22
ENSMUSG00000025364	PA2G4	0.842322	0.085121	4.35E-23	5.94E-22
ENSMUSG00000024122	PDPK1	0.900678	0.091046	4.48E-23	6.12E-22
ENSMUSG00000053646	PLXNB1	-2.11708	0.21406	4.59E-23	6.27E-22
ENSMUSG00000074513	ARFIP1	1.120165	0.113287	4.70E-23	6.41E-22
ENSMUSG00000033590	MYO5C	-1.68365	0.170284	4.73E-23	6.44E-22
ENSMUSG000000103144	PCDHGA1	-2.16304	0.218862	4.93E-23	6.70E-22
ENSMUSG00000006763	SAAL1	1.173003	0.118716	5.04E-23	6.86E-22
ENSMUSG00000013033	ADGRL1	-1.33775	0.135427	5.19E-23	7.05E-22
ENSMUSG00000020137	THAP2	-1.17961	0.119442	5.29E-23	7.18E-22
ENSMUSG00000078923	UBE2V1	0.819775	0.083041	5.51E-23	7.47E-22
ENSMUSG00000022362	GM29394	2.528053	0.25619	5.74E-23	7.77E-22
ENSMUSG00000023074	MOSPD1	-0.93207	0.094455	5.74E-23	7.77E-22
ENSMUSG00000045639	ZFP629	-1.42689	0.144602	5.75E-23	7.77E-22
ENSMUSG00000037129	TMPRSS13	-4.44263	0.450371	5.94E-23	8.03E-22
ENSMUSG00000022758	P2RX6	-2.36756	0.24003	5.99E-23	8.08E-22
ENSMUSG00000053158	FES	1.021984	0.103717	6.62E-23	8.93E-22
ENSMUSG00000008318	RELT	2.022662	0.205306	6.72E-23	9.07E-22
ENSMUSG00000001025	S100A6	1.705921	0.173187	6.84E-23	9.22E-22
ENSMUSG00000040350	TRIM7	-1.70372	0.172988	6.94E-23	9.34E-22
ENSMUSG00000019832	RAB32	1.635881	0.166152	7.15E-23	9.62E-22
ENSMUSG00000017404	RPL19	0.850968	0.086496	7.71E-23	1.04E-21

ENSMUSG00000022526	ZFP251	-1.31038	0.133213	7.82E-23	1.05E-21
ENSMUSG00000040661	RAD54L2	1.119086	0.113812	8.13E-23	1.09E-21
ENSMUSG00000053199	ARHGAP20	-1.03559	0.105326	8.18E-23	1.10E-21
ENSMUSG00000011256	ADAM19	-1.04861	0.106655	8.21E-23	1.10E-21
ENSMUSG00000021044	ADCK1	-0.87985	0.089548	8.76E-23	1.17E-21
ENSMUSG00000018932	MAP2K3	0.811764	0.082644	9.02E-23	1.21E-21
ENSMUSG00000010095	SLC3A2	1.101451	0.112311	1.05E-22	1.40E-21
ENSMUSG00000052749	TRIM30B	1.995858	0.203533	1.06E-22	1.41E-21
ENSMUSG00000030879	MRPL17	0.91601	0.093451	1.10E-22	1.47E-21
ENSMUSG00000042647	ACAD12	-1.62321	0.16561	1.11E-22	1.48E-21
ENSMUSG00000027742	COG6	-0.82577	0.084263	1.13E-22	1.50E-21
ENSMUSG00000032968	INHA	-1.50747	0.153831	1.13E-22	1.50E-21
ENSMUSG00000058594	FBH1	-0.9655	0.098545	1.15E-22	1.53E-21
ENSMUSG00000041375	CCDC9	1.182041	0.120693	1.20E-22	1.59E-21
ENSMUSG00000089847	TIMM10B	0.860975	0.087938	1.23E-22	1.64E-21
ENSMUSG00000033910	GUCY1A1	-1.3911	0.142091	1.24E-22	1.64E-21
ENSMUSG00000037706	CD81	-0.80878	0.082627	1.26E-22	1.67E-21
ENSMUSG00000072620	SLFN2	1.695681	0.173258	1.28E-22	1.69E-21
ENSMUSG00000044103	IL1F9	2.601864	0.265906	1.31E-22	1.73E-21
ENSMUSG00000031379	PIR	1.22968	0.125782	1.42E-22	1.88E-21
ENSMUSG00000034744	NAGK	0.869524	0.088946	1.43E-22	1.89E-21
ENSMUSG00000033671	CEP350	1.470123	0.150444	1.49E-22	1.96E-21
ENSMUSG00000024927	RELA	0.875323	0.08958	1.49E-22	1.97E-21
ENSMUSG00000060073	PSMA3	0.831709	0.085116	1.49E-22	1.97E-21
ENSMUSG00000024294	MIB1	1.005074	0.102877	1.52E-22	2.00E-21
ENSMUSG00000006301	TMBIM1	0.817976	0.083734	1.53E-22	2.02E-21
ENSMUSG00000062203	GSPT1	0.835269	0.085519	1.56E-22	2.05E-21
ENSMUSG00000029484	ANXA3	1.019009	0.104353	1.59E-22	2.09E-21
ENSMUSG00000032192	GNB5	-1.11987	0.114702	1.62E-22	2.12E-21
ENSMUSG00000042428	MGAT3	-1.80306	0.184757	1.69E-22	2.21E-21
ENSMUSG00000005800	MMP8	3.082625	0.315879	1.69E-22	2.21E-21
ENSMUSG00000021930	SPRYD7	-0.84107	0.086197	1.71E-22	2.24E-21
ENSMUSG00000072875	GPR27	-2.19093	0.224664	1.81E-22	2.36E-21
ENSMUSG00000006273	ATP6V1B2	0.82847	0.08497	1.84E-22	2.41E-21
ENSMUSG00000000184	CCND2	-1.57357	0.161468	1.93E-22	2.52E-21
ENSMUSG00000024480	AP3S1	0.897297	0.092102	1.99E-22	2.59E-21
ENSMUSG00000024601	ISOC1	-0.81134	0.08328	1.99E-22	2.60E-21
ENSMUSG00000022009	NUFIP1	1.070698	0.109961	2.09E-22	2.73E-21
ENSMUSG00000044231	NHLRC1	-1.18554	0.121754	2.09E-22	2.73E-21
ENSMUSG00000007891	CTSD	0.964568	0.099092	2.16E-22	2.81E-21
ENSMUSG00000041779	TRAM2	1.228518	0.126209	2.16E-22	2.81E-21
ENSMUSG00000041477	DCP1B	1.680841	0.172746	2.24E-22	2.91E-21
ENSMUSG00000038880	MRPS34	0.857082	0.088098	2.27E-22	2.95E-21
ENSMUSG00000091058	GM17538	4.330771	0.445269	2.33E-22	3.02E-21
ENSMUSG00000053411	CBX7	-1.4398	0.148053	2.36E-22	3.06E-21
ENSMUSG00000028779	PEF1	0.815711	0.083966	2.61E-22	3.38E-21
ENSMUSG000000111709	GM3776	2.488246	0.256221	2.70E-22	3.49E-21
ENSMUSG00000028469	NPR2	-0.97567	0.100473	2.71E-22	3.51E-21
ENSMUSG00000042541	SEM1	0.865776	0.089257	3.02E-22	3.90E-21
ENSMUSG00000043323	FBRSL1	-0.83267	0.085846	3.03E-22	3.91E-21

ENSMUSG00000033379	ATP6V0B	0.930125	0.095905	3.06E-22	3.95E-21
ENSMUSG00000036120	RFXANK	0.98154	0.101232	3.14E-22	4.05E-21
ENSMUSG00000025873	FAF2	1.11145	0.114674	3.25E-22	4.19E-21
ENSMUSG00000029056	PANK4	-0.85337	0.08805	3.27E-22	4.21E-21
ENSMUSG00000022174	DAD1	0.817507	0.084402	3.46E-22	4.45E-21
ENSMUSG00000023068	NUS1	0.801318	0.082736	3.48E-22	4.47E-21
ENSMUSG00000055943	EMC7	0.80258	0.082877	3.53E-22	4.52E-21
ENSMUSG00000026885	TTLL11	1.513843	0.15634	3.56E-22	4.56E-21
ENSMUSG00000030697	PPP4C	0.872188	0.090086	3.60E-22	4.61E-21
ENSMUSG00000031955	BCAR1	1.138723	0.117627	3.64E-22	4.65E-21
ENSMUSG00000063019	MANBAL	0.910771	0.094091	3.68E-22	4.70E-21
ENSMUSG00000049625	TIFAB	1.508948	0.155904	3.71E-22	4.74E-21
ENSMUSG00000020361	HSPA4	0.839118	0.086714	3.78E-22	4.83E-21
ENSMUSG00000024063	LBH	-1.0014	0.103501	3.84E-22	4.90E-21
ENSMUSG00000034209	RASL10A	-2.41671	0.249793	3.86E-22	4.92E-21
ENSMUSG00000056612	PPP1R14B	0.826151	0.085415	3.96E-22	5.04E-21
ENSMUSG00000042500	AGO4	-1.10613	0.114375	4.00E-22	5.09E-21
ENSMUSG00000064181	RAB3IP	0.801787	0.082927	4.10E-22	5.22E-21
ENSMUSG00000025453	NNT	-0.85684	0.088648	4.22E-22	5.36E-21
ENSMUSG00000053080	2700081O15RI	-1.54724	0.16016	4.43E-22	5.63E-21
ENSMUSG00000053291	RAB4B	1.017045	0.105278	4.43E-22	5.63E-21
ENSMUSG00000036529	SBF1	1.120564	0.115997	4.45E-22	5.64E-21
ENSMUSG00000022752	TOMM70A	0.802818	0.083155	4.71E-22	5.96E-21
ENSMUSG00000019470	XAB2	0.833956	0.086424	4.94E-22	6.25E-21
ENSMUSG00000028741	MRT04	1.069495	0.110843	4.98E-22	6.30E-21
ENSMUSG00000021061	SPTB	-0.81452	0.084444	5.13E-22	6.48E-21
ENSMUSG00000039611	TMEM246	-1.37316	0.14239	5.23E-22	6.61E-21
ENSMUSG00000029014	DNAJC2	0.813366	0.084374	5.42E-22	6.84E-21
ENSMUSG00000059498	FCGR3	1.398972	0.145124	5.43E-22	6.84E-21
ENSMUSG00000044067	GPR22	-3.8046	0.394732	5.50E-22	6.93E-21
ENSMUSG00000028461	CCDC107	0.847287	0.087942	5.71E-22	7.19E-21
ENSMUSG00000018189	UCHL5	1.026893	0.106639	6.00E-22	7.55E-21
ENSMUSG00000037364	SRRT	0.8222	0.085449	6.45E-22	8.11E-21
ENSMUSG00000061315	NACA	1.019932	0.10607	6.87E-22	8.63E-21
ENSMUSG00000044086	LMOD3	-1.29591	0.13478	6.91E-22	8.68E-21
ENSMUSG00000045776	LRTM1	-2.9864	0.310664	7.05E-22	8.84E-21
ENSMUSG00000029063	NADK	1.061596	0.11045	7.15E-22	8.97E-21
ENSMUSG00000028796	PHC2	0.86608	0.090141	7.39E-22	9.26E-21
ENSMUSG00000035517	TDRD7	1.238312	0.128885	7.40E-22	9.27E-21
ENSMUSG00000036975	TMEM177	-1.02336	0.106577	7.83E-22	9.80E-21
ENSMUSG00000027593	RALY	0.795528	0.082858	7.91E-22	9.89E-21
ENSMUSG00000040785	TTC3	-0.96317	0.100327	7.97E-22	9.96E-21
ENSMUSG00000026796	FAM129B	1.060849	0.110525	8.13E-22	1.01E-20
ENSMUSG00000026447	PIK3C2B	-1.04932	0.109346	8.29E-22	1.03E-20
ENSMUSG00000069895	ATXN1L	1.420702	0.148052	8.31E-22	1.04E-20
ENSMUSG00000034663	BMP2K	0.979042	0.102066	8.62E-22	1.07E-20
ENSMUSG00000028599	TNFRSF1B	1.059287	0.110464	8.85E-22	1.10E-20
ENSMUSG00000041930	FAM222A	-2.4926	0.259942	8.89E-22	1.11E-20
ENSMUSG00000020629	ADI1	-1.15242	0.120214	9.12E-22	1.13E-20
ENSMUSG00000018846	PANK3	0.797822	0.083237	9.25E-22	1.15E-20

ENSMUSG00000038145	SNRK	-0.92833	0.096866	9.37E-22	1.16E-20
ENSMUSG00000034163	ZFC3H1	0.931742	0.097226	9.40E-22	1.17E-20
ENSMUSG00000038332	SESN1	-1.57948	0.164842	9.54E-22	1.18E-20
ENSMUSG00000017631	ABR	-0.92666	0.096716	9.58E-22	1.19E-20
ENSMUSG00000036026	TMEM63B	-0.82632	0.086259	9.75E-22	1.21E-20
ENSMUSG00000020180	SNRPD3	0.822915	0.085941	1.02E-21	1.26E-20
ENSMUSG000000110218	GM20219	1.698102	0.177407	1.05E-21	1.30E-20
ENSMUSG00000031662	SNX20	1.537763	0.160662	1.05E-21	1.30E-20
ENSMUSG00000027712	ANXA5	0.805034	0.084118	1.07E-21	1.32E-20
ENSMUSG00000026581	SELL	2.233165	0.233462	1.12E-21	1.38E-20
ENSMUSG00000041815	POLDIP3	0.873976	0.091407	1.16E-21	1.43E-20
ENSMUSG00000042340	CTF1	-1.97401	0.206488	1.18E-21	1.45E-20
ENSMUSG00000028577	PLAA	0.799186	0.083622	1.21E-21	1.49E-20
ENSMUSG00000044709	GEMIN7	0.847678	0.0887	1.22E-21	1.50E-20
ENSMUSG00000032905	ATG12	0.802876	0.084043	1.26E-21	1.55E-20
ENSMUSG00000039485	TSPYL4	-1.46542	0.153414	1.27E-21	1.56E-20
ENSMUSG00000060032	H2AFJ	1.076813	0.112803	1.35E-21	1.65E-20
ENSMUSG00000040811	EML2	-0.89138	0.093381	1.35E-21	1.66E-20
ENSMUSG00000024151	MSH2	-1.25883	0.131968	1.44E-21	1.77E-20
ENSMUSG00000021428	RIOK1	0.980102	0.102768	1.47E-21	1.80E-20
ENSMUSG00000020169	BEST3	-1.49337	0.156598	1.48E-21	1.81E-20
ENSMUSG00000045038	PRKCE	-1.05235	0.110352	1.48E-21	1.81E-20
ENSMUSG00000039901	ARMH3	-0.99417	0.104256	1.49E-21	1.81E-20
ENSMUSG00000027342	PCNA	0.855955	0.089788	1.53E-21	1.86E-20
ENSMUSG00000037197	RBM17	0.906305	0.095096	1.57E-21	1.91E-20
ENSMUSG00000030714	SGF29	1.188525	0.124791	1.66E-21	2.03E-20
ENSMUSG00000024867	PIP5K1B	-1.36548	0.143415	1.71E-21	2.08E-20
ENSMUSG00000074170	PLEKHF1	-1.0787	0.113387	1.84E-21	2.24E-20
ENSMUSG00000038174	FAM126B	1.220185	0.128337	1.95E-21	2.37E-20
ENSMUSG00000029167	PPARGC1A	-2.02435	0.212963	1.99E-21	2.41E-20
ENSMUSG00000028518	PRKAA2	-0.91348	0.096184	2.16E-21	2.61E-20
ENSMUSG00000030662	IPO5	0.817142	0.086057	2.19E-21	2.66E-20
ENSMUSG00000018567	GABARAP	0.796115	0.083848	2.21E-21	2.67E-20
ENSMUSG00000022270	RETREG1	-0.7941	0.083703	2.38E-21	2.88E-20
ENSMUSG00000043621	UBXN10	-3.69441	0.389453	2.40E-21	2.90E-20
ENSMUSG00000020173	COBL	-0.94404	0.099537	2.44E-21	2.95E-20
ENSMUSG00000030037	MRPL53	0.783983	0.082688	2.51E-21	3.03E-20
ENSMUSG00000028843	SH3BGR13	1.514142	0.159781	2.63E-21	3.18E-20
ENSMUSG00000034259	EXOSC4	0.908616	0.095908	2.70E-21	3.25E-20
ENSMUSG00000029408	ABCB9	-1.12283	0.118596	2.86E-21	3.45E-20
ENSMUSG00000040323	GM15429	-6.10396	0.644851	2.92E-21	3.51E-20
ENSMUSG00000053253	NDFIP2	0.818185	0.086471	3.02E-21	3.64E-20
ENSMUSG00000027010	SLC25A12	-0.78631	0.083105	3.03E-21	3.64E-20
ENSMUSG00000010538	TSACC	1.586447	0.167687	3.06E-21	3.67E-20
ENSMUSG00000035697	ARHGAP45	1.378756	0.145769	3.12E-21	3.75E-20
ENSMUSG00000007041	CLIC1	1.347524	0.142541	3.27E-21	3.93E-20
ENSMUSG00000023984	GM20517	1.892693	0.200255	3.34E-21	4.01E-20
ENSMUSG00000034810	SCN7A	-1.05731	0.111871	3.35E-21	4.01E-20
ENSMUSG00000030602	PAK4	1.059953	0.112175	3.42E-21	4.09E-20
ENSMUSG00000030148	CLEC4A2	2.093991	0.221635	3.46E-21	4.14E-20

ENSMUSG00000040877	WDR25	1.016133	0.107569	3.51E-21	4.20E-20
ENSMUSG00000019945	CABCOCO1	-2.29763	0.243305	3.61E-21	4.31E-20
ENSMUSG00000024068	SPAST	0.79518	0.08421	3.63E-21	4.33E-20
ENSMUSG00000071324	ARMC2	-3.53454	0.374381	3.69E-21	4.41E-20
ENSMUSG00000047635	2810006K23RII	-1.02402	0.108471	3.71E-21	4.42E-20
ENSMUSG00000033400	AGL	-0.79317	0.084023	3.73E-21	4.45E-20
ENSMUSG00000000355	MCTS1	0.844538	0.089516	3.93E-21	4.68E-20
ENSMUSG00000032988	SLC16A8	-2.19918	0.233109	3.94E-21	4.69E-20
ENSMUSG00000033981	GRIA2	-2.29001	0.242773	4.00E-21	4.75E-20
ENSMUSG00000006333	RPS9	0.864842	0.091692	4.02E-21	4.78E-20
ENSMUSG00000040118	CACNA2D1	-0.78232	0.082963	4.11E-21	4.88E-20
ENSMUSG00000054978	KBTBD13	-2.019	0.214269	4.39E-21	5.21E-20
ENSMUSG00000048521	CXCR6	4.184537	0.444338	4.62E-21	5.47E-20
ENSMUSG00000037432	FER1L5	-1.54506	0.164149	4.84E-21	5.73E-20
ENSMUSG00000094483	PURB	1.037617	0.110302	5.10E-21	6.03E-20
ENSMUSG00000095463	ENTPD4	-0.79503	0.084523	5.15E-21	6.08E-20
ENSMUSG00000030557	MEF2A	-0.82635	0.087869	5.24E-21	6.19E-20
ENSMUSG00000028600	PODN	-1.51337	0.160953	5.32E-21	6.28E-20
ENSMUSG00000004043	STAT5A	-0.88497	0.094153	5.50E-21	6.48E-20
ENSMUSG00000031078	CTTN	1.04158	0.110824	5.53E-21	6.52E-20
ENSMUSG00000002204	NAPSA	2.324873	0.247405	5.61E-21	6.60E-20
ENSMUSG00000020572	NAMPT	-1.14812	0.122179	5.61E-21	6.60E-20
ENSMUSG00000046324	ERMP1	-1.3043	0.138903	6.00E-21	7.05E-20
ENSMUSG00000042613	PBXIP1	-0.88941	0.094753	6.20E-21	7.28E-20
ENSMUSG00000021710	NLN	-0.91988	0.098023	6.33E-21	7.43E-20
ENSMUSG00000031609	SAP30	1.360931	0.145038	6.39E-21	7.50E-20
ENSMUSG00000017756	SLC12A7	-0.78478	0.083676	6.67E-21	7.82E-20
ENSMUSG00000033323	CTDP1	1.844927	0.196721	6.70E-21	7.84E-20
ENSMUSG00000040435	PPP1R15A	2.214466	0.236233	6.98E-21	8.16E-20
ENSMUSG00000078771	EVI2A	1.72955	0.184524	7.05E-21	8.24E-20
ENSMUSG00000020823	SEC14L1	-0.79636	0.085003	7.34E-21	8.58E-20
ENSMUSG00000048486	FITM2	-0.78077	0.083389	7.75E-21	9.05E-20
ENSMUSG00000013822	ELOF1	0.842823	0.090043	7.96E-21	9.28E-20
ENSMUSG00000022667	CD200R1	2.540529	0.271445	8.03E-21	9.36E-20
ENSMUSG00000045665	MFSD5	0.845684	0.090371	8.13E-21	9.48E-20
ENSMUSG00000027560	DOK5	2.293051	0.245059	8.19E-21	9.54E-20
ENSMUSG00000010175	PROX1	-0.81978	0.087614	8.22E-21	9.57E-20
ENSMUSG00000019868	VTA1	0.89098	0.095259	8.50E-21	9.89E-20
ENSMUSG00000042265	TREM1	4.062108	0.434394	8.67E-21	1.01E-19
ENSMUSG00000023027	ATF1	0.871542	0.09321	8.74E-21	1.01E-19
ENSMUSG00000035934	PKNX2	-1.49591	0.160024	8.93E-21	1.04E-19
ENSMUSG00000029430	RAN	0.84444	0.090414	9.66E-21	1.12E-19
ENSMUSG00000029840	MTPN	1.14172	0.122309	1.01E-20	1.17E-19
ENSMUSG00000024889	RCE1	0.974638	0.104437	1.04E-20	1.20E-19
ENSMUSG00000021069	PYGL	1.297037	0.139036	1.07E-20	1.24E-19
ENSMUSG00000045671	SPRED2	-0.90289	0.096799	1.08E-20	1.25E-19
ENSMUSG00000028907	UTP11	0.790784	0.084798	1.10E-20	1.27E-19
ENSMUSG00000021573	TPPP	-2.53518	0.271859	1.11E-20	1.28E-19
ENSMUSG00000006356	CRIP2	-0.81204	0.087089	1.12E-20	1.29E-19
ENSMUSG00000029131	DNAJB6	0.774823	0.083107	1.13E-20	1.30E-19

ENSMUSG00000020708	PSMC5	0.813478	0.087276	1.16E-20	1.33E-19
ENSMUSG00000057719	SH3RF2	-1.58966	0.170553	1.16E-20	1.33E-19
ENSMUSG00000008384	SERTAD1	1.594134	0.171076	1.18E-20	1.36E-19
ENSMUSG00000008604	UBQLN4	-0.83463	0.089571	1.18E-20	1.36E-19
ENSMUSG00000006587	SNAI3	-3.18029	0.341371	1.21E-20	1.38E-19
ENSMUSG00000031438	RNF128	-0.7714	0.082804	1.21E-20	1.39E-19
ENSMUSG00000072258	TAF1A	-0.91113	0.097813	1.22E-20	1.40E-19
ENSMUSG00000054640	SLC8A1	-0.9141	0.098215	1.31E-20	1.50E-19
ENSMUSG00000022517	MGRN1	-0.85271	0.091669	1.38E-20	1.58E-19
ENSMUSG00000023885	THBS2	-1.51385	0.162802	1.42E-20	1.63E-19
ENSMUSG00000001707	EEF1E1	0.918	0.098749	1.45E-20	1.66E-19
ENSMUSG00000030172	ERC1	-0.78754	0.084723	1.47E-20	1.67E-19
ENSMUSG00000029199	LIAS	0.774098	0.083341	1.57E-20	1.79E-19
ENSMUSG00000025156	GPS1	0.770548	0.083011	1.66E-20	1.89E-19
ENSMUSG00000028960	UBE4B	0.867161	0.093499	1.78E-20	2.03E-19
ENSMUSG00000049823	ZBTB12	-1.47625	0.159188	1.80E-20	2.05E-19
ENSMUSG00000025257	RIBC1	1.957621	0.211323	1.98E-20	2.25E-19
ENSMUSG00000031821	GIN52	1.372627	0.148182	1.99E-20	2.26E-19
ENSMUSG00000032481	SMARCC1	0.819734	0.088536	2.07E-20	2.35E-19
ENSMUSG00000028024	ENPEP	-1.51672	0.163952	2.22E-20	2.53E-19
ENSMUSG00000027087	ITGAV	1.199345	0.129667	2.26E-20	2.56E-19
ENSMUSG00000034345	GTF2H5	0.774245	0.083713	2.27E-20	2.58E-19
ENSMUSG00000038855	ITPKB	-0.81814	0.088463	2.28E-20	2.59E-19
ENSMUSG00000054843	ATRNL1	-0.89291	0.096562	2.31E-20	2.62E-19
ENSMUSG00000034723	TMX4	-0.78316	0.084721	2.37E-20	2.69E-19
ENSMUSG00000003865	GYS1	-1.1765	0.127277	2.38E-20	2.70E-19
ENSMUSG00000061244	EXOC5	1.256829	0.135999	2.43E-20	2.75E-19
ENSMUSG00000041168	LONP1	0.903678	0.09783	2.53E-20	2.86E-19
ENSMUSG00000071713	CSF2RB	2.505207	0.271341	2.64E-20	2.98E-19
ENSMUSG00000035172	PLEKHH3	-0.98688	0.106916	2.69E-20	3.04E-19
ENSMUSG00000059182	SKAP2	1.201487	0.130173	2.71E-20	3.05E-19
ENSMUSG00000021140	PCNX	-0.76299	0.082682	2.76E-20	3.11E-19
ENSMUSG00000015085	ENTPD2	-1.13237	0.122719	2.77E-20	3.13E-19
ENSMUSG00000027499	PKIA	-1.49188	0.161746	2.87E-20	3.24E-19
ENSMUSG00000021457	SYK	0.771837	0.083683	2.88E-20	3.24E-19
ENSMUSG00000105093	GM17815	3.795132	0.411599	2.96E-20	3.33E-19
ENSMUSG00000096964	GM6345	2.103585	0.228158	2.97E-20	3.34E-19
ENSMUSG00000094634	GM3468	2.226035	0.241448	2.98E-20	3.35E-19
ENSMUSG00000063193	CD300LB	2.26585	0.245866	3.09E-20	3.47E-19
ENSMUSG00000073016	UPRT	-1.46776	0.159318	3.18E-20	3.56E-19
ENSMUSG00000029146	SNX17	0.781957	0.084928	3.35E-20	3.75E-19
ENSMUSG00000025780	ITIH5	-1.72963	0.187907	3.43E-20	3.84E-19
ENSMUSG00000026094	STK17B	1.013272	0.110105	3.49E-20	3.91E-19
ENSMUSG00000028480	GLIPR2	1.768078	0.192214	3.63E-20	4.06E-19
ENSMUSG00000047180	NEURL3	1.061742	0.115487	3.80E-20	4.25E-19
ENSMUSG00000051022	HS3ST1	-0.78716	0.085645	3.89E-20	4.35E-19
ENSMUSG00000031683	LSM6	0.802219	0.087284	3.90E-20	4.35E-19
ENSMUSG00000044813	SHB	1.105603	0.120303	3.92E-20	4.38E-19
ENSMUSG00000026131	DST	0.789329	0.085923	4.06E-20	4.52E-19
ENSMUSG00000074182	ZNHIT6	1.027641	0.111874	4.09E-20	4.56E-19

ENSMUSG000000109324	PRMT1	0.768158	0.083632	4.12E-20	4.58E-19
ENSMUSG00000003882	IL7R	2.148497	0.23402	4.28E-20	4.76E-19
ENSMUSG000000022841	AP2M1	0.758366	0.082615	4.33E-20	4.81E-19
ENSMUSG000000056553	PTPRN2	2.761374	0.30095	4.49E-20	4.99E-19
ENSMUSG000000027940	TPM3	1.116968	0.121771	4.61E-20	5.12E-19
ENSMUSG000000025340	RABGEF1	0.913981	0.099646	4.63E-20	5.14E-19
ENSMUSG000000066720	CLDN9	5.345064	0.583026	4.83E-20	5.35E-19
ENSMUSG000000010755	CARS	1.058599	0.115496	4.93E-20	5.46E-19
ENSMUSG000000024007	PPIL1	-0.88209	0.096272	5.07E-20	5.62E-19
ENSMUSG000000031568	RWDD4A	0.807021	0.088109	5.22E-20	5.78E-19
ENSMUSG000000040896	KCND3	-1.05054	0.114698	5.23E-20	5.78E-19
ENSMUSG000000057606	COLQ	-2.05781	0.224731	5.35E-20	5.91E-19
ENSMUSG000000020733	SLC9A3R1	1.295003	0.141505	5.61E-20	6.19E-19
ENSMUSG000000021998	LCP1	1.597014	0.174558	5.75E-20	6.35E-19
ENSMUSG000000039239	TGFB2	1.446238	0.158151	5.98E-20	6.60E-19
ENSMUSG000000074417	GM14548	2.396385	0.262235	6.34E-20	6.99E-19
ENSMUSG000000025395	PRIM1	1.475488	0.161476	6.39E-20	7.04E-19
ENSMUSG000000007030	VWA7	-1.21496	0.132966	6.40E-20	7.04E-19
ENSMUSG000000019302	ATP6V0A1	0.757231	0.082907	6.63E-20	7.29E-19
ENSMUSG000000032977	FAM207A	0.83991	0.091959	6.63E-20	7.29E-19
ENSMUSG000000041870	ANKRD13A	0.777633	0.08515	6.70E-20	7.36E-19
ENSMUSG000000021111	PAPOLA	0.7647	0.083744	6.77E-20	7.43E-19
ENSMUSG000000030245	GOLT1B	0.909559	0.09961	6.77E-20	7.43E-19
ENSMUSG000000003038	HMGN2	-0.91031	0.099722	6.95E-20	7.62E-19
ENSMUSG000000078570	1110065P20RII	0.879727	0.096425	7.28E-20	7.98E-19
ENSMUSG000000031161	HDAC6	1.017866	0.111644	7.72E-20	8.45E-19
ENSMUSG000000035278	PLEKHJ1	0.826437	0.090647	7.72E-20	8.45E-19
ENSMUSG000000045942	BC049762	3.397705	0.372692	7.75E-20	8.48E-19
ENSMUSG000000047996	PRRG1	-1.58747	0.174176	7.92E-20	8.66E-19
ENSMUSG000000026580	SELP	4.686253	0.514303	8.10E-20	8.85E-19
ENSMUSG000000061207	STK19	1.020005	0.111991	8.40E-20	9.17E-19
ENSMUSG000000050666	VSTM4	-1.71472	0.188401	8.91E-20	9.73E-19
ENSMUSG000000027022	XIRP2	1.577105	0.173301	9.00E-20	9.81E-19
ENSMUSG000000058099	NFAM1	1.214798	0.133508	9.11E-20	9.93E-19
ENSMUSG000000074802	GAS2L3	2.076542	0.228215	9.11E-20	9.93E-19
ENSMUSG000000056069	OTULINL	1.709842	0.18794	9.22E-20	1.00E-18
ENSMUSG000000025485	RIC8A	0.841333	0.092491	9.34E-20	1.02E-18
ENSMUSG000000047810	CCDC88B	1.155893	0.127076	9.36E-20	1.02E-18
ENSMUSG000000017428	PSMD11	1.953662	0.21483	9.55E-20	1.04E-18
ENSMUSG000000003484	CYP4F18	2.998354	0.329806	9.79E-20	1.06E-18
ENSMUSG000000022538	LSG1	0.873665	0.096111	9.89E-20	1.07E-18
ENSMUSG000000030589	RASGRP4	1.349401	0.148452	9.92E-20	1.08E-18
ENSMUSG000000002043	TRAPPC6A	1.54146	0.169605	1.00E-19	1.09E-18
ENSMUSG000000018415	GID4	-1.28955	0.141941	1.04E-19	1.12E-18
ENSMUSG000000054676	1600014C10RII	-0.79053	0.087018	1.04E-19	1.13E-18
ENSMUSG000000009535	RNMT	0.9151	0.100739	1.05E-19	1.13E-18
ENSMUSG000000031101	SASH3	1.564784	0.172286	1.06E-19	1.15E-18
ENSMUSG000000035711	DOK3	1.716883	0.189078	1.08E-19	1.17E-18
ENSMUSG000000024369	NELFE	1.270831	0.13997	1.09E-19	1.18E-18
ENSMUSG000000017776	CRK	0.770346	0.084852	1.10E-19	1.19E-18

ENSMUSG00000039005	TLR4	0.963717	0.106211	1.15E-19	1.24E-18
ENSMUSG00000060708	BLOC1S4	0.911834	0.100534	1.19E-19	1.28E-18
ENSMUSG00000027488	SNTA1	-0.75068	0.082783	1.21E-19	1.30E-18
ENSMUSG00000027479	MAPRE1	0.828489	0.091378	1.23E-19	1.32E-18
ENSMUSG00000022032	SCARA5	-1.97866	0.218313	1.26E-19	1.36E-18
ENSMUSG00000022292	RRM2B	-1.28319	0.14159	1.27E-19	1.37E-18
ENSMUSG00000025917	COPS5	0.754791	0.0833	1.29E-19	1.39E-18
ENSMUSG00000089929	BCL2A1B	3.378685	0.372946	1.31E-19	1.41E-18
ENSMUSG00000026114	CNGA3	-1.94732	0.214964	1.32E-19	1.41E-18
ENSMUSG00000029397	RCHY1	0.796155	0.087908	1.34E-19	1.44E-18
ENSMUSG00000015126	TSR3	0.923441	0.101977	1.36E-19	1.46E-18
ENSMUSG00000090523	GYPC	-1.62116	0.179055	1.38E-19	1.48E-18
ENSMUSG00000001134	UXT	0.823023	0.090911	1.39E-19	1.49E-18
ENSMUSG00000056071	S100A9	3.083278	0.34062	1.40E-19	1.50E-18
ENSMUSG00000032363	ADAMTS7	-2.30469	0.25461	1.41E-19	1.50E-18
ENSMUSG00000046618	OLFML2A	-1.68802	0.186532	1.44E-19	1.53E-18
ENSMUSG00000049882	VCPKMT	1.330588	0.147123	1.51E-19	1.61E-18
ENSMUSG00000067194	EIF1AX	0.792073	0.087629	1.58E-19	1.69E-18
ENSMUSG00000036845	LIN37	0.956077	0.105782	1.59E-19	1.70E-18
ENSMUSG00000035513	NTNG2	-1.11991	0.123937	1.62E-19	1.73E-18
ENSMUSG00000020893	PER1	0.903386	0.099976	1.62E-19	1.73E-18
ENSMUSG00000024014	PIM1	1.317083	0.145773	1.64E-19	1.74E-18
ENSMUSG00000030718	PPME1	0.844239	0.093442	1.64E-19	1.74E-18
ENSMUSG00000027808	SERP1	0.771563	0.085433	1.70E-19	1.80E-18
ENSMUSG00000046805	MPEG1	1.677483	0.185784	1.73E-19	1.84E-18
ENSMUSG00000052962	MRPL35	0.820714	0.090923	1.77E-19	1.88E-18
ENSMUSG00000027935	RAB13	1.132771	0.125506	1.79E-19	1.89E-18
ENSMUSG00000027217	TSPAN18	-1.55571	0.172425	1.84E-19	1.95E-18
ENSMUSG00000019731	SLC35E1	-0.75458	0.083645	1.86E-19	1.97E-18
ENSMUSG00000091803	COX16	0.986088	0.109342	1.91E-19	2.02E-18
ENSMUSG00000028093	ACP6	-0.88517	0.098176	1.95E-19	2.06E-18
ENSMUSG00000010376	NEDD8	0.744877	0.082642	2.00E-19	2.11E-18
ENSMUSG00000001420	TMEM79	1.6994	0.188565	2.02E-19	2.13E-18
ENSMUSG00000022336	EIF3E	0.857146	0.09512	2.04E-19	2.15E-18
ENSMUSG00000090889	GM17428	-2.83977	0.315135	2.04E-19	2.15E-18
ENSMUSG0000003031	CDKN1B	-0.8133	0.090266	2.06E-19	2.17E-18
ENSMUSG00000045594	GLB1	-0.88488	0.098214	2.07E-19	2.18E-18
ENSMUSG00000024302	DTNA	0.873399	0.096975	2.13E-19	2.24E-18
ENSMUSG00000048371	PDP2	-1.49293	0.165779	2.15E-19	2.26E-18
ENSMUSG00000015365	MOV10L1	-1.42076	0.157793	2.18E-19	2.29E-18
ENSMUSG00000021891	METTL6	0.880747	0.097858	2.25E-19	2.37E-18
ENSMUSG00000020866	CACNA1G	-2.12652	0.236317	2.29E-19	2.40E-18
ENSMUSG00000020873	SLC35B1	0.832686	0.092543	2.30E-19	2.42E-18
ENSMUSG00000034781	GNA11	-0.81611	0.090776	2.46E-19	2.59E-18
ENSMUSG00000022241	TARS	0.755169	0.084007	2.49E-19	2.61E-18
ENSMUSG00000032185	CARM1	-0.77754	0.086524	2.55E-19	2.68E-18
ENSMUSG00000025369	SMARCC2	-0.74283	0.082668	2.57E-19	2.69E-18
ENSMUSG00000033458	FAN1	-1.52198	0.169401	2.60E-19	2.72E-18
ENSMUSG00000015846	RXRA	-0.78911	0.087838	2.62E-19	2.74E-18
ENSMUSG00000054659	PM20D2	-1.29687	0.14436	2.62E-19	2.74E-18

ENSMUSG00000049775	TMSB4X	1.082257	0.120473	2.62E-19	2.74E-18
ENSMUSG00000029385	CCNG2	-1.03648	0.115391	2.65E-19	2.77E-18
ENSMUSG00000038642	CTSS	2.008545	0.223612	2.65E-19	2.77E-18
ENSMUSG00000044254	PCSK9	2.100796	0.233885	2.65E-19	2.77E-18
ENSMUSG00000013275	SLC41A1	-1.07763	0.119989	2.68E-19	2.79E-18
ENSMUSG00000054342	KCNN4	2.589339	0.288418	2.76E-19	2.88E-18
ENSMUSG00000024942	CAPN1	-0.81228	0.09048	2.77E-19	2.89E-18
ENSMUSG00000006315	TMEM147	0.741277	0.082602	2.86E-19	2.97E-18
ENSMUSG00000030142	CLEC4E	4.146439	0.462217	2.94E-19	3.06E-18
ENSMUSG00000015950	NCF1	1.388494	0.154784	2.95E-19	3.07E-18
ENSMUSG00000022219	CIDEB	-1.84381	0.205564	2.98E-19	3.09E-18
ENSMUSG00000007656	ARPP19	1.047581	0.116811	3.02E-19	3.13E-18
ENSMUSG00000002741	YKT6	0.741131	0.082645	3.03E-19	3.14E-18
ENSMUSG00000025089	GFRA1	-1.71087	0.190832	3.09E-19	3.21E-18
ENSMUSG00000021767	KAT6B	-0.94064	0.10493	3.12E-19	3.23E-18
ENSMUSG00000073684	FAAP20	1.060559	0.118326	3.16E-19	3.27E-18
ENSMUSG00000027203	DUT	-0.8809	0.098293	3.19E-19	3.30E-18
ENSMUSG00000030161	GABARAPL1	0.80771	0.090126	3.19E-19	3.30E-18
ENSMUSG00000036099	VEZT	-0.92143	0.102823	3.21E-19	3.32E-18
ENSMUSG00000048337	NPY4R	-3.90022	0.435303	3.25E-19	3.36E-18
ENSMUSG00000040978	GM11992	-3.15469	0.352322	3.43E-19	3.54E-18
ENSMUSG00000078656	VPS25	0.742263	0.082904	3.45E-19	3.56E-18
ENSMUSG00000067279	PPP1R3C	-1.17314	0.13104	3.47E-19	3.58E-18
ENSMUSG00000067158	COL4A4	-1.45543	0.162642	3.60E-19	3.71E-18
ENSMUSG00000023961	ENPP4	-0.77563	0.086689	3.64E-19	3.75E-18
ENSMUSG00000028803	NIPAL3	-1.0161	0.113566	3.65E-19	3.75E-18
ENSMUSG00000022428	CBY1	-1.02068	0.114082	3.65E-19	3.76E-18
ENSMUSG00000030269	MTMR14	1.318025	0.147317	3.66E-19	3.76E-18
ENSMUSG00000016495	PLGRKT	-0.8805	0.098484	3.87E-19	3.98E-18
ENSMUSG00000059920	4930453N24RI	0.912841	0.102111	3.90E-19	4.01E-18
ENSMUSG00000040560	WDR7	-0.9572	0.107081	3.93E-19	4.03E-18
ENSMUSG00000026914	PSMD14	0.809337	0.090553	3.97E-19	4.07E-18
ENSMUSG00000021094	DHRS7	-0.84907	0.095031	4.08E-19	4.18E-18
ENSMUSG00000043456	ZFP536	-1.77252	0.198579	4.42E-19	4.52E-18
ENSMUSG00000029322	PLAC8	3.699362	0.414749	4.68E-19	4.79E-18
ENSMUSG00000031853	MAP3K21	-2.34187	0.262602	4.75E-19	4.86E-18
ENSMUSG00000050244	HEATR1	0.807918	0.090612	4.82E-19	4.93E-18
ENSMUSG00000083097	GM14494	1.227339	0.137703	4.97E-19	5.08E-18
ENSMUSG00000074576	MOC53	0.957565	0.107471	5.10E-19	5.21E-18
ENSMUSG00000029915	CLEC5A	2.262213	0.253961	5.21E-19	5.32E-18
ENSMUSG00000031490	EIF4EBP1	0.825353	0.092714	5.48E-19	5.59E-18
ENSMUSG00000068856	SF3B4	0.859886	0.096624	5.62E-19	5.73E-18
ENSMUSG00000028683	EIF2B3	0.832467	0.093598	5.89E-19	6.00E-18
ENSMUSG00000021290	ATP5MPL	0.755892	0.085009	6.01E-19	6.11E-18
ENSMUSG00000039016	TIMM8B	0.777818	0.08749	6.09E-19	6.20E-18
ENSMUSG00000030956	FAM53B	-1.11281	0.125211	6.25E-19	6.35E-18
ENSMUSG00000002731	PRKRA	-1.02181	0.114999	6.37E-19	6.47E-18
ENSMUSG00000062929	CFL2	0.782976	0.088126	6.41E-19	6.51E-18
ENSMUSG00000026574	DPT	-0.92551	0.104201	6.57E-19	6.67E-18
ENSMUSG00000022789	DNM1L	-0.73422	0.082699	6.80E-19	6.89E-18

ENSMUSG00000026750	PSMB7	0.778831	0.087756	6.99E-19	7.09E-18
ENSMUSG00000075227	ZNHIT2	0.88214	0.099426	7.17E-19	7.26E-18
ENSMUSG00000031429	PSMD10	0.857511	0.09667	7.28E-19	7.37E-18
ENSMUSG00000025470	ZFP511	1.02292	0.115331	7.35E-19	7.44E-18
ENSMUSG00000060862	ZBTB40	0.845863	0.09537	7.36E-19	7.45E-18
ENSMUSG00000029659	MEDAG	1.036191	0.116843	7.43E-19	7.51E-18
ENSMUSG00000013707	TNFAIP8L2	1.478536	0.166731	7.46E-19	7.54E-18
ENSMUSG00000042293	GM5617	1.29836	0.146415	7.47E-19	7.54E-18
ENSMUSG00000002699	LCP2	1.767411	0.199336	7.55E-19	7.62E-18
ENSMUSG00000041949	TANGO6	-0.98505	0.111156	7.87E-19	7.93E-18
ENSMUSG00000073557	PPP1R12B	-0.73711	0.083179	7.88E-19	7.94E-18
ENSMUSG00000054302	EAPP	0.868395	0.098017	8.03E-19	8.09E-18
ENSMUSG00000026489	COQ8A	-1.40644	0.158789	8.20E-19	8.25E-18
ENSMUSG00000021091	SERPINA3N	2.710698	0.306205	8.55E-19	8.60E-18
ENSMUSG00000082969	GM12630	3.698663	0.417965	8.81E-19	8.86E-18
ENSMUSG00000031095	CUL4B	1.040769	0.117662	9.12E-19	9.16E-18
ENSMUSG00000032215	RSL24D1	0.795802	0.089976	9.18E-19	9.22E-18
ENSMUSG00000027963	EXTL2	-1.07607	0.121681	9.28E-19	9.31E-18
ENSMUSG00000074922	FAM122A	0.805912	0.091135	9.31E-19	9.34E-18
ENSMUSG00000026596	ABL2	1.228422	0.138935	9.43E-19	9.45E-18
ENSMUSG00000048108	TMEM72	-0.74345	0.084139	9.92E-19	9.93E-18
ENSMUSG00000059355	WDR83OS	0.761082	0.086137	9.94E-19	9.95E-18
ENSMUSG00000074994	QSER1	-0.73794	0.08352	9.96E-19	9.97E-18
ENSMUSG00000073775	KTI12	0.829375	0.093878	1.00E-18	1.00E-17
ENSMUSG00000069237	FAM8A1	0.779468	0.08826	1.03E-18	1.03E-17
ENSMUSG00000015568	LPL	-1.01088	0.114476	1.04E-18	1.04E-17
ENSMUSG00000022574	NAPRT	-0.95107	0.107708	1.05E-18	1.04E-17
ENSMUSG00000032712	RESF1	1.187983	0.134579	1.07E-18	1.07E-17
ENSMUSG00000031442	MCF2L	-0.75195	0.085185	1.07E-18	1.07E-17
ENSMUSG00000040688	TBL3	1.091078	0.123652	1.11E-18	1.10E-17
ENSMUSG00000029467	ATP2A2	-1.66723	0.188991	1.13E-18	1.12E-17
ENSMUSG000000109511	NUP62	1.006592	0.114157	1.17E-18	1.16E-17
ENSMUSG00000028837	PSMB2	0.727778	0.08254	1.17E-18	1.17E-17
ENSMUSG00000030677	KIF22	2.246078	0.254847	1.21E-18	1.21E-17
ENSMUSG00000016256	CTSZ	1.098017	0.124674	1.28E-18	1.28E-17
ENSMUSG00000041658	RRAGB	-2.15475	0.244919	1.40E-18	1.39E-17
ENSMUSG00000058546	RPL23A	0.755762	0.085911	1.40E-18	1.39E-17
ENSMUSG00000027944	HAX1	0.962323	0.109394	1.41E-18	1.40E-17
ENSMUSG00000006715	GMNN	-1.17118	0.133148	1.42E-18	1.40E-17
ENSMUSG00000032089	IL10RA	1.415335	0.160918	1.43E-18	1.41E-17
ENSMUSG00000091712	SEC14L5	-2.4262	0.275865	1.43E-18	1.42E-17
ENSMUSG00000090381	GM6158	1.958687	0.222754	1.46E-18	1.44E-17
ENSMUSG00000041360	PUM3	0.756836	0.086096	1.49E-18	1.47E-17
ENSMUSG00000000378	CCM2	0.836898	0.095222	1.51E-18	1.49E-17
ENSMUSG00000086040	WIPF3	-2.00113	0.227802	1.57E-18	1.55E-17
ENSMUSG00000035296	SGCG	-0.73476	0.083666	1.60E-18	1.58E-17
ENSMUSG00000040738	INTS8	0.877725	0.099949	1.61E-18	1.59E-17
ENSMUSG00000032127	VPS11	0.76575	0.087213	1.63E-18	1.61E-17
ENSMUSG00000027580	HELZ2	-0.87338	0.099478	1.64E-18	1.62E-17
ENSMUSG00000035958	TDP2	0.929171	0.106012	1.87E-18	1.84E-17

ENSMUSG00000032966	FKBP1A	0.725931	0.082849	1.92E-18	1.89E-17
ENSMUSG00000039232	STX11	1.543038	0.176155	1.96E-18	1.93E-17
ENSMUSG00000031239	ITM2A	-1.2823	0.146393	1.97E-18	1.93E-17
ENSMUSG00000057342	SPHK2	0.752867	0.086012	2.08E-18	2.04E-17
ENSMUSG00000040283	BTNL9	-1.47185	0.168207	2.13E-18	2.09E-17
ENSMUSG00000027637	RAB5IF	0.723938	0.082753	2.17E-18	2.13E-17
ENSMUSG00000003948	MMD	-0.91995	0.10522	2.27E-18	2.22E-17
ENSMUSG00000038812	TRMT112	0.813837	0.093104	2.31E-18	2.26E-17
ENSMUSG00000042043	TBCA	0.732834	0.083898	2.44E-18	2.39E-17
ENSMUSG00000028035	DNAJB4	1.111181	0.127227	2.46E-18	2.41E-17
ENSMUSG00000038375	TRP53INP2	-0.71897	0.082324	2.47E-18	2.42E-17
ENSMUSG00000047454	GPHN	-0.76519	0.087629	2.50E-18	2.44E-17
ENSMUSG00000036376	ABT1	0.843663	0.096624	2.52E-18	2.46E-17
ENSMUSG00000042275	PELO	0.781464	0.089506	2.53E-18	2.47E-17
ENSMUSG00000050565	TOR1AIP2	0.735224	0.084265	2.66E-18	2.59E-17
ENSMUSG00000053062	JAM2	-1.0573	0.121178	2.66E-18	2.59E-17
ENSMUSG00000032607	AMT	-1.43134	0.164092	2.71E-18	2.65E-17
ENSMUSG00000049723	MMP12	1.854574	0.212625	2.73E-18	2.66E-17
ENSMUSG00000079834	TMLHE	-0.87008	0.099758	2.74E-18	2.66E-17
ENSMUSG00000036368	RMDN2	-0.99444	0.114066	2.83E-18	2.75E-17
ENSMUSG00000039220	PPP1R10	1.28398	0.147292	2.85E-18	2.77E-17
ENSMUSG00000018008	CYTH4	1.567407	0.179841	2.89E-18	2.81E-17
ENSMUSG00000036782	KLHL13	-1.37502	0.157768	2.90E-18	2.81E-17
ENSMUSG00000021027	RALGAPA1	-0.82212	0.094331	2.90E-18	2.82E-17
ENSMUSG00000055760	GEMIN6	1.155669	0.132624	2.94E-18	2.85E-17
ENSMUSG00000033720	SFXN5	1.565593	0.179699	2.98E-18	2.89E-17
ENSMUSG00000001783	RTCB	0.717267	0.082348	3.03E-18	2.94E-17
ENSMUSG00000048251	BCL11B	-2.9401	0.33764	3.10E-18	3.00E-17
ENSMUSG00000018428	AKAP1	-1.22632	0.140865	3.16E-18	3.06E-17
ENSMUSG00000061983	RPS12	1.332961	0.153179	3.26E-18	3.15E-17
ENSMUSG00000041695	KCNJ2	-1.75589	0.201792	3.28E-18	3.17E-17
ENSMUSG00000022500	LITAF	1.450373	0.16675	3.38E-18	3.27E-17
ENSMUSG00000018923	MED11	1.042909	0.119913	3.40E-18	3.28E-17
ENSMUSG00000024679	MS4A6D	1.523631	0.175257	3.51E-18	3.39E-17
ENSMUSG00000041417	PIK3R1	-1.09501	0.125974	3.55E-18	3.42E-17
ENSMUSG00000033918	PARL	0.874642	0.100632	3.58E-18	3.45E-17
ENSMUSG00000036606	PLXNB2	0.742938	0.08549	3.61E-18	3.48E-17
ENSMUSG00000024474	IK	0.719316	0.082785	3.66E-18	3.52E-17
ENSMUSG00000039686	ZER1	-0.75744	0.087193	3.72E-18	3.58E-17
ENSMUSG00000051285	PCMTD1	-0.73987	0.085193	3.80E-18	3.66E-17
ENSMUSG00000041840	HAUS1	0.942399	0.10856	3.93E-18	3.77E-17
ENSMUSG00000019768	ESR1	-4.73351	0.545427	4.01E-18	3.85E-17
ENSMUSG00000027540	PTPN1	1.061841	0.122355	4.01E-18	3.86E-17
ENSMUSG00000028965	TNFRSF9	2.971974	0.34269	4.23E-18	4.06E-17
ENSMUSG00000034903	COBLL1	-0.80169	0.092443	4.24E-18	4.06E-17
ENSMUSG00000021223	PAPLN	-2.78045	0.320682	4.31E-18	4.13E-17
ENSMUSG00000049115	AGTR1A	-1.54032	0.177697	4.39E-18	4.21E-17
ENSMUSG00000022876	SAMSN1	2.549867	0.294215	4.45E-18	4.26E-17
ENSMUSG00000056529	PTAFR	1.21063	0.139688	4.45E-18	4.26E-17
ENSMUSG00000029022	MIIP	1.092193	0.126061	4.56E-18	4.36E-17

ENSMUSG00000037656	SLC20A2	-0.75333	0.086981	4.68E-18	4.47E-17
ENSMUSG00000025646	ATRIP	1.774401	0.204949	4.81E-18	4.60E-17
ENSMUSG00000047139	CD24A	2.489389	0.287587	4.88E-18	4.66E-17
ENSMUSG00000021065	FUT8	-0.85737	0.099051	4.90E-18	4.67E-17
ENSMUSG00000034936	ARL4D	-1.19958	0.138636	5.03E-18	4.80E-17
ENSMUSG00000044147	ARF6	1.055068	0.121956	5.10E-18	4.86E-17
ENSMUSG00000024883	RIN1	1.220495	0.141104	5.17E-18	4.92E-17
ENSMUSG00000031666	RBL2	-1.22191	0.141337	5.36E-18	5.11E-17
ENSMUSG00000049907	RASL11B	2.3897	0.27643	5.39E-18	5.13E-17
ENSMUSG00000008690	NCAPH2	0.869003	0.100547	5.49E-18	5.22E-17
ENSMUSG000000105383	ENSMUSG0000C	-1.14521	0.132517	5.52E-18	5.25E-17
ENSMUSG00000031506	PTPN7	1.721132	0.19932	5.87E-18	5.58E-17
ENSMUSG00000044244	IL20RB	1.601738	0.185502	5.89E-18	5.59E-17
ENSMUSG00000057396	ZFP759	-1.99992	0.231661	5.98E-18	5.67E-17
ENSMUSG00000028568	BTF3L4	0.727806	0.084312	6.01E-18	5.70E-17
ENSMUSG00000022756	SLC7A4	-2.3044	0.266962	6.03E-18	5.71E-17
ENSMUSG00000029203	UBE2K	0.717544	0.08313	6.05E-18	5.73E-17
ENSMUSG00000025812	PARD3	-0.85639	0.099233	6.13E-18	5.80E-17
ENSMUSG00000036966	SPRYD3	0.852394	0.098793	6.24E-18	5.90E-17
ENSMUSG00000018585	ATOX1	0.813144	0.094271	6.38E-18	6.03E-17
ENSMUSG00000037868	EGR2	2.479936	0.287658	6.63E-18	6.26E-17
ENSMUSG00000069014	GM5641	0.734533	0.08522	6.74E-18	6.36E-17
ENSMUSG00000071656	LRRN4CL	-1.45577	0.168899	6.74E-18	6.36E-17
ENSMUSG00000051851	RTL8C	-1.33842	0.155288	6.76E-18	6.37E-17
ENSMUSG00000020459	MTIF2	-0.796	0.092369	6.83E-18	6.44E-17
ENSMUSG00000082491	GM5909	3.947068	0.458054	6.87E-18	6.47E-17
ENSMUSG00000031371	HAUS7	1.026453	0.119163	7.07E-18	6.64E-17
ENSMUSG00000030486	ZFP108	-2.55755	0.297034	7.29E-18	6.85E-17
ENSMUSG00000042759	APOBR	2.346607	0.272613	7.44E-18	6.99E-17
ENSMUSG00000030512	SNRPA1	0.953923	0.110825	7.47E-18	7.01E-17
ENSMUSG00000031838	IFI30	1.286905	0.149552	7.63E-18	7.16E-17
ENSMUSG00000038204	ASB10	-2.69333	0.313044	7.72E-18	7.24E-17
ENSMUSG00000046096	MOSMO	0.823631	0.09574	7.78E-18	7.29E-17
ENSMUSG00000068922	MSTO1	0.776329	0.090254	7.86E-18	7.36E-17
ENSMUSG00000034708	GRN	0.84921	0.098754	8.02E-18	7.51E-17
ENSMUSG00000061100	RETNLA	-3.06277	0.356199	8.08E-18	7.56E-17
ENSMUSG00000073633	FBXO36	2.056181	0.239196	8.24E-18	7.70E-17
ENSMUSG00000090247	BLOC1S1	0.83009	0.096574	8.30E-18	7.76E-17
ENSMUSG00000028333	ANP32B	0.709662	0.082567	8.33E-18	7.78E-17
ENSMUSG00000021281	TNFAIP2	-1.13652	0.132259	8.46E-18	7.90E-17
ENSMUSG00000051483	CBR1	-0.83888	0.097698	8.97E-18	8.36E-17
ENSMUSG00000070777	CEACAM20	-1.7989	0.209506	8.98E-18	8.37E-17
ENSMUSG00000014554	DGUOK	-0.94465	0.110057	9.22E-18	8.59E-17
ENSMUSG00000020152	ACTR2	0.706607	0.082327	9.25E-18	8.61E-17
ENSMUSG00000029673	AUTS2	-1.23376	0.143802	9.52E-18	8.86E-17
ENSMUSG00000043740	B430306N03RI	2.288607	0.266761	9.55E-18	8.88E-17
ENSMUSG00000050821	FAM131A	-1.81576	0.211648	9.56E-18	8.89E-17
ENSMUSG00000021236	ENTPD5	-1.09281	0.127415	9.75E-18	9.07E-17
ENSMUSG00000032656	Mar-03	1.068028	0.124543	9.86E-18	9.16E-17
ENSMUSG00000002963	PNKP	0.835941	0.097516	1.01E-17	9.41E-17

ENSMUSG00000020755	SAP30BP	1.312253	0.153124	1.04E-17	9.61E-17
ENSMUSG00000031917	NIP7	1.034121	0.120701	1.06E-17	9.80E-17
ENSMUSG00000079339	IFIT1BL1	-1.27968	0.149433	1.09E-17	1.01E-16
ENSMUSG00000039395	MREG	-0.79217	0.092515	1.10E-17	1.02E-16
ENSMUSG00000020634	UBXN2A	-0.76195	0.089032	1.15E-17	1.06E-16
ENSMUSG00000029862	CLCN1	-1.6637	0.194504	1.19E-17	1.10E-16
ENSMUSG00000020256	ALDH1L2	-1.4834	0.173468	1.22E-17	1.12E-16
ENSMUSG00000020549	ELAC2	0.719896	0.084188	1.22E-17	1.13E-16
ENSMUSG00000047036	ZFP445	0.846759	0.099088	1.28E-17	1.18E-16
ENSMUSG00000040640	ERC2	1.992194	0.233139	1.28E-17	1.19E-16
ENSMUSG00000015501	HIVEP2	-0.82397	0.096436	1.29E-17	1.19E-16
ENSMUSG00000017692	RHBDL3	-1.6344	0.19131	1.31E-17	1.20E-16
ENSMUSG00000031392	IRAK1	-0.78194	0.091543	1.32E-17	1.22E-16
ENSMUSG00000030744	RPS3	0.730859	0.085579	1.34E-17	1.23E-16
ENSMUSG00000040987	MILL2	-1.57113	0.183972	1.34E-17	1.24E-16
ENSMUSG00000026283	ING5	0.800982	0.093812	1.36E-17	1.25E-16
ENSMUSG00000008036	AP2S1	0.786344	0.092099	1.37E-17	1.26E-16
ENSMUSG00000020566	ATP6V1C2	4.366242	0.511437	1.38E-17	1.26E-16
ENSMUSG00000026096	OSGEPL1	-1.48208	0.173644	1.40E-17	1.29E-16
ENSMUSG00000050359	SPRR1A	6.910751	0.809793	1.41E-17	1.30E-16
ENSMUSG00000020303	STC2	-1.90355	0.223085	1.43E-17	1.31E-16
ENSMUSG00000030798	CD37	1.304672	0.152935	1.45E-17	1.33E-16
ENSMUSG00000030839	SERGEF	1.238825	0.145216	1.45E-17	1.33E-16
ENSMUSG00000056952	TATDN2	0.711198	0.083395	1.49E-17	1.36E-16
ENSMUSG00000042694	STN1	0.917441	0.107606	1.52E-17	1.39E-16
ENSMUSG000000107430	GM31532	4.02264	0.471914	1.54E-17	1.41E-16
ENSMUSG00000026649	CFAP126	1.4017	0.164475	1.56E-17	1.43E-16
ENSMUSG00000022674	UBE2V2	0.847668	0.099499	1.60E-17	1.47E-16
ENSMUSG00000037070	RBMXL1	0.761074	0.089349	1.62E-17	1.48E-16
ENSMUSG00000027792	BCHE	-1.1744	0.137882	1.63E-17	1.49E-16
ENSMUSG00000029119	MAN2B2	-0.96837	0.113709	1.65E-17	1.50E-16
ENSMUSG00000020189	OSBPL8	-0.88588	0.104069	1.70E-17	1.55E-16
ENSMUSG00000021242	NPC2	0.703153	0.082604	1.70E-17	1.55E-16
ENSMUSG00000027746	UFM1	0.860034	0.101053	1.73E-17	1.58E-16
ENSMUSG00000002565	SCIN	-1.92716	0.226507	1.77E-17	1.61E-16
ENSMUSG00000033475	TOMM6	0.786628	0.092477	1.80E-17	1.64E-16
ENSMUSG00000053553	3110082I17RIK	1.188186	0.139719	1.83E-17	1.67E-16
ENSMUSG00000030306	TMTC1	-0.90279	0.106173	1.85E-17	1.68E-16
ENSMUSG00000032705	EXD2	-0.83236	0.097908	1.87E-17	1.70E-16
ENSMUSG00000000568	HNRNPD	0.716244	0.084255	1.88E-17	1.71E-16
ENSMUSG00000003849	NQO1	0.748099	0.088008	1.89E-17	1.72E-16
ENSMUSG00000006412	PFDN2	1.075376	0.12653	1.91E-17	1.74E-16
ENSMUSG00000029163	EMILIN1	0.822097	0.096739	1.93E-17	1.75E-16
ENSMUSG00000042444	MINDY2	-0.9738	0.114655	2.01E-17	1.82E-16
ENSMUSG00000048154	KMT2D	0.766121	0.090203	2.01E-17	1.82E-16
ENSMUSG00000027335	ADRA1D	-1.75009	0.206135	2.07E-17	1.87E-16
ENSMUSG00000022142	NUP155	0.769013	0.090596	2.09E-17	1.90E-16
ENSMUSG00000034820	CPSF7	0.704179	0.082981	2.14E-17	1.93E-16
ENSMUSG00000046312	AI464131	-1.89094	0.22289	2.18E-17	1.97E-16
ENSMUSG00000025027	XPNPEP1	0.76979	0.090748	2.20E-17	1.99E-16

ENSMUSG00000026628	ATF3	3.044937	0.359048	2.24E-17	2.02E-16
ENSMUSG00000020399	HAVCR2	2.785368	0.328527	2.28E-17	2.06E-16
ENSMUSG00000022186	OXCT1	-1.12364	0.132547	2.30E-17	2.08E-16
ENSMUSG00000028134	PTBP2	1.000191	0.118015	2.35E-17	2.12E-16
ENSMUSG00000022089	BIN3	0.868492	0.102541	2.46E-17	2.22E-16
ENSMUSG00000013622	ATRAID	0.720826	0.085153	2.56E-17	2.31E-16
ENSMUSG00000031556	TM2D2	0.705767	0.083414	2.65E-17	2.39E-16
ENSMUSG00000021189	ATXN3	1.105873	0.130745	2.71E-17	2.44E-16
ENSMUSG00000005268	PRLR	-2.13615	0.252627	2.77E-17	2.49E-16
ENSMUSG00000024177	NME4	-1.61967	0.191707	2.95E-17	2.65E-16
ENSMUSG00000046070	IGFALS	-1.80891	0.214143	2.98E-17	2.68E-16
ENSMUSG00000062580	TIMM17A	0.70108	0.083002	3.00E-17	2.69E-16
ENSMUSG000000109864	EID3	3.449536	0.408698	3.16E-17	2.84E-16
ENSMUSG00000031021	TMEM9B	0.710353	0.084187	3.23E-17	2.90E-16
ENSMUSG00000026620	MARK1	-1.16926	0.138611	3.30E-17	2.95E-16
ENSMUSG00000029407	USO1	0.699769	0.083037	3.54E-17	3.17E-16
ENSMUSG00000051391	YWHAG	0.703497	0.08348	3.54E-17	3.17E-16
ENSMUSG00000030123	PLXND1	-0.8891	0.105511	3.56E-17	3.18E-16
ENSMUSG00000005575	UBE2M	0.697602	0.082829	3.70E-17	3.31E-16
ENSMUSG00000046323	DPPA3	3.568077	0.423738	3.75E-17	3.35E-16
ENSMUSG00000018442	DERL2	0.772984	0.091806	3.77E-17	3.37E-16
ENSMUSG00000024300	MYO1F	1.243605	0.147733	3.83E-17	3.42E-16
ENSMUSG00000079523	TMSB10	1.240584	0.147387	3.86E-17	3.44E-16
ENSMUSG00000024644	CNDP2	0.76083	0.090396	3.87E-17	3.46E-16
ENSMUSG00000044092	C130050O18RI	2.067283	0.245685	3.95E-17	3.52E-16
ENSMUSG00000000441	RAF1	-0.73712	0.087628	4.03E-17	3.59E-16
ENSMUSG00000046961	GPR156	3.278917	0.38989	4.11E-17	3.66E-16
ENSMUSG00000042305	TMEM183A	1.057434	0.125756	4.15E-17	3.69E-16
ENSMUSG000000101892	9130401M01R	0.820161	0.097549	4.18E-17	3.72E-16
ENSMUSG00000022391	RANGAP1	0.703579	0.083685	4.19E-17	3.73E-16
ENSMUSG00000026201	STK16	0.759147	0.090318	4.27E-17	3.80E-16
ENSMUSG00000060882	KCND2	-2.68237	0.319301	4.44E-17	3.94E-16
ENSMUSG00000019782	RWDD1	0.695635	0.082819	4.49E-17	3.98E-16
ENSMUSG00000036513	COMMD2	0.897967	0.106914	4.50E-17	4.00E-16
ENSMUSG00000004561	METTL17	-0.98971	0.117865	4.58E-17	4.06E-16
ENSMUSG00000038299	WDR36	0.707531	0.084278	4.65E-17	4.12E-16
ENSMUSG00000020091	EIF4EBP2	-0.75435	0.089868	4.70E-17	4.17E-16
ENSMUSG00000024925	RNASEH2C	1.007243	0.12001	4.74E-17	4.20E-16
ENSMUSG00000078768	ZFP566	1.623225	0.193462	4.84E-17	4.29E-16
ENSMUSG00000026655	FAM107B	1.462422	0.174304	4.86E-17	4.30E-16
ENSMUSG00000024208	UQCC2	0.693714	0.082704	4.95E-17	4.38E-16
ENSMUSG00000001802	LRP3	-1.38767	0.165499	5.08E-17	4.49E-16
ENSMUSG00000002768	MEA1	0.728178	0.086872	5.19E-17	4.59E-16
ENSMUSG00000035226	RIMS4	-1.63655	0.195309	5.33E-17	4.70E-16
ENSMUSG00000031807	PGLS	0.737645	0.088049	5.40E-17	4.76E-16
ENSMUSG00000029815	MALSU1	0.831166	0.099236	5.49E-17	4.84E-16
ENSMUSG00000026709	DARS2	-0.82703	0.098782	5.65E-17	4.98E-16
ENSMUSG00000039428	TMEM135	-0.98922	0.118165	5.69E-17	5.01E-16
ENSMUSG00000020326	CCNG1	-0.7343	0.08772	5.72E-17	5.03E-16
ENSMUSG00000030413	PGLYRP1	2.305904	0.275534	5.82E-17	5.12E-16

ENSMUSG00000044296	ZFP879	-2.45324	0.293205	5.91E-17	5.20E-16
ENSMUSG00000018340	ANXA6	0.724632	0.086611	5.94E-17	5.22E-16
ENSMUSG00000008859	RALA	0.691413	0.082642	5.94E-17	5.22E-16
ENSMUSG00000042429	ADORA1	-1.25993	0.150624	6.02E-17	5.29E-16
ENSMUSG000000102918	PCDHGC3	-0.85976	0.102795	6.07E-17	5.33E-16
ENSMUSG000000026360	RGS2	-1.00336	0.119973	6.10E-17	5.35E-16
ENSMUSG000000026234	NCL	0.851088	0.101769	6.12E-17	5.36E-16
ENSMUSG000000032171	PIN1	0.695373	0.08315	6.12E-17	5.36E-16
ENSMUSG000000029551	PSMG3	0.919159	0.109944	6.26E-17	5.48E-16
ENSMUSG000000031626	SORBS2	-0.77888	0.093181	6.34E-17	5.55E-16
ENSMUSG000000062526	MPPE1	-1.23282	0.1475	6.37E-17	5.58E-16
ENSMUSG000000036002	FAM214B	0.725118	0.086795	6.58E-17	5.76E-16
ENSMUSG000000078584	AU022252	0.852901	0.102117	6.70E-17	5.86E-16
ENSMUSG000000037169	MYCN	-1.86465	0.223257	6.71E-17	5.86E-16
ENSMUSG000000020962	GTF2A1	1.230508	0.147424	7.02E-17	6.13E-16
ENSMUSG000000031264	BTBK	1.485569	0.178044	7.19E-17	6.28E-16
ENSMUSG000000038187	BTBD10	0.777775	0.093221	7.22E-17	6.30E-16
ENSMUSG000000066315	GM12918	1.283907	0.153938	7.40E-17	6.46E-16
ENSMUSG000000019979	APAF1	1.20858	0.144931	7.49E-17	6.53E-16
ENSMUSG000000028874	FGR	3.447571	0.413461	7.53E-17	6.56E-16
ENSMUSG000000030116	MFAP5	1.172233	0.140587	7.55E-17	6.57E-16
ENSMUSG000000048065	CYB5R2	-3.51813	0.421985	7.61E-17	6.63E-16
ENSMUSG000000029916	AGK	-0.93626	0.112366	7.93E-17	6.90E-16
ENSMUSG000000036564	NDRG4	-2.86996	0.344496	8.02E-17	6.98E-16
ENSMUSG000000029727	CYP3A13	-1.87811	0.225478	8.12E-17	7.06E-16
ENSMUSG000000058603	RPL28-PS1	0.754432	0.090596	8.26E-17	7.18E-16
ENSMUSG000000021832	PSMC6	0.690677	0.082973	8.49E-17	7.37E-16
ENSMUSG000000102817	GM6185	2.398657	0.288247	8.68E-17	7.53E-16
ENSMUSG000000035890	RNF126	0.730553	0.087804	8.78E-17	7.61E-16
ENSMUSG000000026734	4921504E06RII	4.182493	0.5028	8.92E-17	7.73E-16
ENSMUSG000000051223	BZW1	0.856912	0.103021	8.96E-17	7.76E-16
ENSMUSG000000030089	SLC41A3	-1.93452	0.232609	9.05E-17	7.84E-16
ENSMUSG000000020430	PES1	0.739277	0.088922	9.27E-17	8.03E-16
ENSMUSG000000040812	AGBL2	-2.00952	0.241724	9.31E-17	8.05E-16
ENSMUSG000000022064	PIBF1	-0.95455	0.114951	1.01E-16	8.71E-16
ENSMUSG000000039615	STUB1	0.691428	0.08327	1.01E-16	8.74E-16
ENSMUSG000000095028	SIRPB1B	4.018911	0.48411	1.03E-16	8.87E-16
ENSMUSG000000041132	N4BP2L1	1.317178	0.158673	1.03E-16	8.90E-16
ENSMUSG000000033106	SLC7A6OS	0.802881	0.096728	1.04E-16	8.95E-16
ENSMUSG000000074925	PTAR1	1.07186	0.129178	1.06E-16	9.17E-16
ENSMUSG000000037348	PAQR7	-1.56629	0.18878	1.07E-16	9.21E-16
ENSMUSG000000039701	USP53	1.344516	0.162147	1.11E-16	9.59E-16
ENSMUSG000000042380	SMIM12	0.69778	0.084153	1.12E-16	9.60E-16
ENSMUSG000000026032	NDUFB3	0.867851	0.104689	1.13E-16	9.76E-16
ENSMUSG000000021877	ARF4	0.695117	0.083854	1.14E-16	9.77E-16
ENSMUSG000000022706	MRPL40	0.702521	0.084777	1.16E-16	1.00E-15
ENSMUSG000000046794	PPP1R3B	-1.12952	0.136375	1.21E-16	1.04E-15
ENSMUSG000000059456	PTK2B	0.976445	0.117982	1.27E-16	1.09E-15
ENSMUSG000000049327	KMT5A	-0.90411	0.10925	1.28E-16	1.10E-15
ENSMUSG000000044786	ZFP36	1.636556	0.197797	1.30E-16	1.11E-15

ENSMUSG00000026988	WDSUB1	-1.02485	0.123872	1.30E-16	1.12E-15
ENSMUSG00000044544	4921513I03RIK	2.012269	0.243323	1.34E-16	1.15E-15
ENSMUSG00000029580	ACTB	1.495562	0.180851	1.34E-16	1.15E-15
ENSMUSG00000047412	ZBTB44	0.737555	0.089205	1.36E-16	1.17E-15
ENSMUSG00000055991	ZKSCAN5	0.936935	0.113333	1.37E-16	1.17E-15
ENSMUSG00000062169	CNIH4	0.764137	0.092442	1.38E-16	1.18E-15
ENSMUSG00000019997	CTGF	1.877475	0.227369	1.49E-16	1.27E-15
ENSMUSG00000025026	ADD3	-0.83898	0.101615	1.50E-16	1.28E-15
ENSMUSG00000023965	FBXL17	-0.7755	0.093961	1.54E-16	1.31E-15
ENSMUSG00000029622	ARPC1B	0.967891	0.117277	1.54E-16	1.32E-15
ENSMUSG00000074183	GSTA1	2.560486	0.310287	1.56E-16	1.33E-15
ENSMUSG00000028187	RPF1	0.799406	0.096921	1.61E-16	1.37E-15
ENSMUSG00000045763	BASP1	1.895302	0.229797	1.61E-16	1.38E-15
ENSMUSG00000037989	WNK2	-2.69245	0.326524	1.64E-16	1.40E-15
ENSMUSG00000039844	RAPGEF1	0.697747	0.084632	1.66E-16	1.41E-15
ENSMUSG00000029156	SGCB	-0.72398	0.087834	1.69E-16	1.43E-15
ENSMUSG00000028581	LAPTM5	1.264747	0.153477	1.71E-16	1.46E-15
ENSMUSG00000024966	STIP1	0.686567	0.083315	1.71E-16	1.46E-15
ENSMUSG00000034786	GPSM3	1.525101	0.185074	1.71E-16	1.46E-15
ENSMUSG00000027162	LIN7C	0.75075	0.091124	1.74E-16	1.48E-15
ENSMUSG00000020267	HINT1	0.687824	0.083497	1.76E-16	1.49E-15
ENSMUSG00000029669	TSPAN12	-1.26762	0.153903	1.77E-16	1.50E-15
ENSMUSG00000030595	NFKBIB	0.988295	0.119992	1.78E-16	1.50E-15
ENSMUSG00000083674	ZFP133-PS	-1.92873	0.234173	1.78E-16	1.50E-15
ENSMUSG00000021814	ANXA7	0.904735	0.10985	1.78E-16	1.51E-15
ENSMUSG00000033361	PRRG3	-1.28593	0.156184	1.82E-16	1.54E-15
ENSMUSG00000036775	DECR2	-1.48462	0.18032	1.82E-16	1.54E-15
ENSMUSG00000023010	TMBIM6	0.722965	0.087818	1.83E-16	1.55E-15
ENSMUSG00000039043	ARPIN	-1.26026	0.153084	1.83E-16	1.55E-15
ENSMUSG00000041891	LMAN1	-0.71845	0.087285	1.86E-16	1.57E-15
ENSMUSG00000024764	NAA40	-0.80971	0.098381	1.87E-16	1.58E-15
ENSMUSG00000011114	TBRG1	0.697674	0.084771	1.87E-16	1.58E-15
ENSMUSG00000018566	SLC2A4	-1.50902	0.183353	1.87E-16	1.58E-15
ENSMUSG00000026208	DES	0.757935	0.092158	1.96E-16	1.66E-15
ENSMUSG00000029655	N4BP2L2	0.903443	0.109855	1.97E-16	1.66E-15
ENSMUSG00000037993	DHX38	0.74886	0.091077	2.00E-16	1.68E-15
ENSMUSG00000063800	PRPF38A	0.731629	0.089116	2.21E-16	1.86E-15
ENSMUSG00000073079	SRP54A	0.749087	0.091269	2.26E-16	1.90E-15
ENSMUSG00000021185	DGLUCY	-1.47837	0.180153	2.28E-16	1.92E-15
ENSMUSG00000087236	KIF28	-2.20095	0.268406	2.40E-16	2.02E-15
ENSMUSG00000050241	KLRE1	-3.42791	0.418052	2.41E-16	2.03E-15
ENSMUSG00000026888	GRB14	-1.44239	0.175909	2.41E-16	2.03E-15
ENSMUSG00000028964	PARK7	0.719437	0.087743	2.42E-16	2.03E-15
ENSMUSG00000022372	SLA	2.016301	0.245938	2.44E-16	2.04E-15
ENSMUSG00000049097	ANKRD34A	-2.09935	0.256072	2.44E-16	2.05E-15
ENSMUSG00000071714	CSF2RB2	2.463202	0.300495	2.46E-16	2.06E-15
ENSMUSG00000021752	KCTD6	1.182066	0.144217	2.48E-16	2.08E-15
ENSMUSG00000000204	SLFN4	2.788885	0.340298	2.50E-16	2.09E-15
ENSMUSG00000045201	LRRC3B	-1.50843	0.184069	2.51E-16	2.10E-15
ENSMUSG00000006958	CHRD	-1.43347	0.175156	2.75E-16	2.30E-15

ENSMUSG00000028948	NOL9	0.78975	0.096502	2.75E-16	2.30E-15
ENSMUSG00000023947	NFKBIE	1.425338	0.174218	2.81E-16	2.35E-15
ENSMUSG000000096010	HIST4H4	2.980427	0.364463	2.90E-16	2.42E-15
ENSMUSG000000049124	GM8186	0.964895	0.118064	3.02E-16	2.52E-15
ENSMUSG000000021886	GPR65	1.534204	0.187742	3.04E-16	2.53E-15
ENSMUSG000000018507	TRPV2	1.066632	0.13054	3.06E-16	2.55E-15
ENSMUSG000000029587	ZFP12	-0.98776	0.120893	3.07E-16	2.56E-15
ENSMUSG000000024053	EMILIN2	-0.96393	0.117981	3.08E-16	2.56E-15
ENSMUSG000000057858	FAM204A	0.853296	0.104439	3.08E-16	2.56E-15
ENSMUSG000000037411	SERPINE1	2.138331	0.261792	3.13E-16	2.61E-15
ENSMUSG000000043953	CCRL2	-1.13831	0.139378	3.16E-16	2.63E-15
ENSMUSG000000052062	PARD3B	-1.11091	0.136172	3.40E-16	2.83E-15
ENSMUSG000000041328	PCF11	0.741815	0.090941	3.43E-16	2.85E-15
ENSMUSG000000083161	GM11427	2.242279	0.274993	3.52E-16	2.93E-15
ENSMUSG000000042041	2010003K11RII	4.095576	0.502308	3.54E-16	2.94E-15
ENSMUSG000000036097	SLF2	-0.74699	0.091617	3.54E-16	2.94E-15
ENSMUSG000000029372	PPBP	2.914023	0.357407	3.54E-16	2.94E-15
ENSMUSG000000023349	CLEC4N	2.818041	0.345696	3.59E-16	2.97E-15
ENSMUSG000000079478	SSSCA1	0.890876	0.109301	3.62E-16	3.00E-15
ENSMUSG000000026254	EIF4E2	0.688661	0.084492	3.62E-16	3.00E-15
ENSMUSG000000040139	9430038I01RIK	0.967987	0.118766	3.63E-16	3.01E-15
ENSMUSG000000032097	DDX6	-0.67425	0.082729	3.64E-16	3.01E-15
ENSMUSG000000068739	SARS	0.803016	0.098529	3.64E-16	3.01E-15
ENSMUSG000000042208	0610010F05RII	0.851219	0.104446	3.64E-16	3.01E-15
ENSMUSG000000062070	PGK1	0.740527	0.090865	3.65E-16	3.01E-15
ENSMUSG000000069678	PCGF1	1.036684	0.127318	3.87E-16	3.20E-15
ENSMUSG000000095015	GM16434	3.501584	0.43007	3.89E-16	3.21E-15
ENSMUSG000000096869	GM6676	3.501584	0.43007	3.89E-16	3.21E-15
ENSMUSG000000053799	EXOC6	-0.70673	0.08683	3.98E-16	3.28E-15
ENSMUSG000000111640	AC109138.2	2.282977	0.280493	3.98E-16	3.28E-15
ENSMUSG000000033940	BRK1	0.673606	0.082812	4.15E-16	3.42E-15
ENSMUSG000000035262	AMH	2.023692	0.2488	4.16E-16	3.43E-15
ENSMUSG000000028848	GPN2	0.944385	0.116113	4.18E-16	3.44E-15
ENSMUSG000000044595	DND1	-1.92152	0.236362	4.31E-16	3.55E-15
ENSMUSG000000055493	EPM2A	-1.41781	0.17442	4.34E-16	3.57E-15
ENSMUSG000000028423	NFX1	0.757519	0.093196	4.36E-16	3.58E-15
ENSMUSG000000000149	GNA12	-0.66912	0.082365	4.52E-16	3.71E-15
ENSMUSG000000034292	TRAF3IP1	0.878461	0.108142	4.54E-16	3.73E-15
ENSMUSG000000052087	RGS14	1.721283	0.212003	4.69E-16	3.85E-15
ENSMUSG000000040174	ALKBH3	1.018283	0.125425	4.71E-16	3.87E-15
ENSMUSG000000029765	PLXNA4	-0.86514	0.106583	4.78E-16	3.92E-15
ENSMUSG000000030452	NIPA2	0.960916	0.118417	4.87E-16	3.99E-15
ENSMUSG000000057363	UXS1	1.104016	0.136086	4.95E-16	4.06E-15
ENSMUSG000000060771	TSGA10	0.950335	0.117159	5.00E-16	4.10E-15
ENSMUSG000000044933	SSTR3	-2.12596	0.262104	5.01E-16	4.11E-15
ENSMUSG000000067369	TRMT2B	-0.95305	0.11751	5.05E-16	4.13E-15
ENSMUSG000000026495	EFCAB2	-1.36267	0.168107	5.23E-16	4.28E-15
ENSMUSG000000043683	FEM1A	-0.68541	0.084565	5.27E-16	4.31E-15
ENSMUSG000000031824	6430548M08R	1.22426	0.151062	5.30E-16	4.33E-15
ENSMUSG000000022201	ZFR	0.881464	0.108806	5.44E-16	4.44E-15

ENSMUSG00000068457	UTY	-0.88883	0.109725	5.47E-16	4.47E-15
ENSMUSG00000036225	KCTD1	-1.01658	0.125504	5.50E-16	4.48E-15
ENSMUSG00000061755	BOD1L	-0.732	0.090379	5.53E-16	4.51E-15
ENSMUSG00000002307	DAXX	0.859161	0.106087	5.56E-16	4.53E-15
ENSMUSG00000055733	NAP1L3	-1.92701	0.238006	5.66E-16	4.61E-15
ENSMUSG00000052917	SENP7	0.86939	0.107397	5.72E-16	4.66E-15
ENSMUSG00000009681	BCR	2.455427	0.303388	5.80E-16	4.72E-15
ENSMUSG00000017132	CYTH1	-0.73112	0.090338	5.81E-16	4.73E-15
ENSMUSG00000026062	SLC9A2	-1.65305	0.204268	5.84E-16	4.75E-15
ENSMUSG00000021579	LRRC14B	-2.43972	0.301627	6.04E-16	4.91E-15
ENSMUSG00000022389	TEF	-0.79848	0.098728	6.08E-16	4.94E-15
ENSMUSG00000022340	SYBU	-1.23508	0.152714	6.09E-16	4.94E-15
ENSMUSG00000030208	EMP1	1.3247	0.1638	6.10E-16	4.95E-15
ENSMUSG00000003346	ABHD17A	0.687679	0.085033	6.10E-16	4.95E-15
ENSMUSG00000048787	DCUN1D3	1.024988	0.126743	6.11E-16	4.95E-15
ENSMUSG00000024270	SLC39A6	1.741827	0.215492	6.32E-16	5.12E-15
ENSMUSG00000060981	HIST1H4H	0.997329	0.123396	6.35E-16	5.15E-15
ENSMUSG00000039183	NUBP2	0.730796	0.0905	6.74E-16	5.46E-15
ENSMUSG000000102752	GM7694	-0.92167	0.114157	6.82E-16	5.52E-15
ENSMUSG00000004455	PPP1CC	0.67169	0.083205	6.87E-16	5.56E-15
ENSMUSG00000068396	RPL34-PS1	1.736127	0.215125	7.01E-16	5.67E-15
ENSMUSG00000042410	AGPS	0.985452	0.122115	7.04E-16	5.69E-15
ENSMUSG00000033364	USP37	1.009341	0.12509	7.09E-16	5.73E-15
ENSMUSG00000003348	MOB3A	0.863416	0.107013	7.13E-16	5.76E-15
ENSMUSG00000026986	HNMT	-2.08664	0.258687	7.25E-16	5.85E-15
ENSMUSG00000060843	CTNNA3	-1.42085	0.176179	7.34E-16	5.92E-15
ENSMUSG00000050211	PLA2G4E	-2.55857	0.317258	7.34E-16	5.92E-15
ENSMUSG00000050721	PLEKHO2	1.13137	0.140297	7.38E-16	5.94E-15
ENSMUSG00000021770	SAMD8	0.794239	0.098505	7.45E-16	6.00E-15
ENSMUSG00000020263	APPL2	-1.08009	0.134004	7.62E-16	6.14E-15
ENSMUSG00000029860	ZYX	0.779175	0.096676	7.65E-16	6.16E-15
ENSMUSG00000062931	ZFP938	1.002268	0.124388	7.78E-16	6.26E-15
ENSMUSG00000027130	SLC12A6	-0.74795	0.092833	7.83E-16	6.29E-15
ENSMUSG00000030201	LRP6	-0.75879	0.09423	8.11E-16	6.52E-15
ENSMUSG00000031816	MTHFSD	0.904921	0.112386	8.15E-16	6.55E-15
ENSMUSG00000070565	RASAL2	-0.99013	0.122989	8.24E-16	6.62E-15
ENSMUSG00000049470	AFF4	1.407466	0.174878	8.40E-16	6.74E-15
ENSMUSG00000061461	SMIM20	-0.94832	0.117839	8.44E-16	6.77E-15
ENSMUSG00000071649	B3GAT3	0.962034	0.119548	8.46E-16	6.79E-15
ENSMUSG00000028932	PSMC2	0.71453	0.088804	8.54E-16	6.85E-15
ENSMUSG00000090290	TARBP1	-0.93762	0.116534	8.56E-16	6.86E-15
ENSMUSG00000028102	PEX11B	-0.77838	0.096755	8.63E-16	6.91E-15
ENSMUSG00000007617	HOMER1	-0.70494	0.087629	8.65E-16	6.92E-15
ENSMUSG00000039063	ECHDC3	-1.21714	0.151304	8.67E-16	6.93E-15
ENSMUSG00000019295	TMEM129	-0.82622	0.102769	9.02E-16	7.21E-15
ENSMUSG00000036875	DNA2	1.272539	0.15832	9.15E-16	7.31E-15
ENSMUSG00000074580	4931440P22RII	1.756714	0.218595	9.25E-16	7.39E-15
ENSMUSG00000000743	CHMP1A	0.664517	0.082698	9.32E-16	7.44E-15
ENSMUSG00000024590	LMNB1	1.045301	0.130108	9.43E-16	7.52E-15
ENSMUSG00000039087	RREB1	-0.8685	0.108133	9.61E-16	7.66E-15

ENSMUSG00000031590	FRG1	0.726104	0.090438	9.85E-16	7.85E-15
ENSMUSG00000027806	TSC22D2	0.795252	0.099088	1.01E-15	8.04E-15
ENSMUSG00000030878	CDR2	0.979195	0.122014	1.01E-15	8.07E-15
ENSMUSG00000021994	WNT5A	-1.9036	0.237279	1.04E-15	8.24E-15
ENSMUSG00000093575	GM20695	2.26897	0.282873	1.05E-15	8.33E-15
ENSMUSG00000031701	DNAJA2	-0.67868	0.084637	1.07E-15	8.50E-15
ENSMUSG00000061130	PPM1B	0.777831	0.09703	1.09E-15	8.66E-15
ENSMUSG00000060131	ATP8B4	2.337545	0.29179	1.14E-15	9.03E-15
ENSMUSG00000003161	SRI	0.684811	0.085499	1.15E-15	9.12E-15
ENSMUSG00000019863	QRS1	-0.82389	0.102862	1.15E-15	9.12E-15
ENSMUSG00000055546	TIMD4	-2.16144	0.269857	1.15E-15	9.12E-15
ENSMUSG00000029759	PON3	-0.95923	0.119789	1.17E-15	9.27E-15
ENSMUSG00000054766	SET	0.669368	0.083613	1.19E-15	9.42E-15
ENSMUSG00000048234	RNF149	1.104239	0.137942	1.19E-15	9.45E-15
ENSMUSG00000009406	ELK1	-0.87561	0.109397	1.21E-15	9.54E-15
ENSMUSG00000091537	TMA7	0.718256	0.08975	1.22E-15	9.61E-15
ENSMUSG00000049739	ZFP646	-0.79513	0.09936	1.22E-15	9.64E-15
ENSMUSG00000060860	UBE2S	0.687734	0.085953	1.23E-15	9.73E-15
ENSMUSG00000022849	HSPBAP1	1.028183	0.128514	1.24E-15	9.78E-15
ENSMUSG00000020400	TNIP1	0.669279	0.083691	1.27E-15	1.01E-14
ENSMUSG00000041571	SELENOW	0.66223	0.082818	1.28E-15	1.01E-14
ENSMUSG00000005625	PSMD4	0.936749	0.117188	1.31E-15	1.03E-14
ENSMUSG00000020660	POMC	2.833717	0.354546	1.32E-15	1.04E-14
ENSMUSG00000022636	ALCAM	1.758995	0.220127	1.34E-15	1.06E-14
ENSMUSG00000018707	DYNC1H1	0.736456	0.092219	1.39E-15	1.10E-14
ENSMUSG00000026436	ELK4	0.842526	0.105519	1.41E-15	1.11E-14
ENSMUSG00000022357	KLHL38	-3.50087	0.438485	1.42E-15	1.11E-14
ENSMUSG00000040212	EMP3	1.114524	0.139669	1.47E-15	1.15E-14
ENSMUSG00000050323	NDUFAF6	-0.99145	0.124256	1.47E-15	1.16E-14
ENSMUSG00000046245	PILRA	2.116384	0.265315	1.50E-15	1.18E-14
ENSMUSG00000031974	ABCB10	-0.66536	0.083427	1.52E-15	1.19E-14
ENSMUSG00000041548	HSPB8	0.712277	0.089319	1.53E-15	1.20E-14
ENSMUSG00000039108	LSM14B	-0.66915	0.083948	1.57E-15	1.23E-14
ENSMUSG00000057766	ANKRD29	-1.75304	0.220106	1.66E-15	1.30E-14
ENSMUSG00000070576	MN1	-1.17176	0.147243	1.75E-15	1.37E-14
ENSMUSG00000024730	MS4A8A	2.585883	0.324959	1.75E-15	1.37E-14
ENSMUSG00000089832	SHKBP1	1.019021	0.128067	1.76E-15	1.38E-14
ENSMUSG00000032259	DRD2	-2.23615	0.281035	1.76E-15	1.38E-14
ENSMUSG00000069892	9930111J21RIK	-1.11565	0.140228	1.78E-15	1.39E-14
ENSMUSG00000040752	MYH6	-1.99641	0.251043	1.83E-15	1.43E-14
ENSMUSG00000029781	FKBP9	-0.65757	0.082735	1.90E-15	1.48E-14
ENSMUSG00000042558	ADPRHL2	0.744358	0.093662	1.91E-15	1.49E-14
ENSMUSG00000033508	ASPRV1	3.64446	0.45864	1.92E-15	1.50E-14
ENSMUSG00000026039	SGO2A	-2.38067	0.299624	1.93E-15	1.51E-14
ENSMUSG00000019920	LIMS1	-0.67766	0.085289	1.93E-15	1.51E-14
ENSMUSG00000029373	PF4	1.628635	0.204981	1.94E-15	1.51E-14
ENSMUSG00000026833	OLFM1	1.060181	0.133454	1.95E-15	1.52E-14
ENSMUSG00000060093	HIST1H4A	5.366808	0.675729	1.99E-15	1.55E-14
ENSMUSG00000022420	DNAL4	-0.85317	0.10744	2.01E-15	1.56E-14
ENSMUSG00000020076	DDX50	0.657434	0.082826	2.06E-15	1.60E-14

ENSMUSG00000068798	RAP1A	0.726519	0.091534	2.07E-15	1.61E-14
ENSMUSG00000040010	SLC7A5	1.323307	0.166737	2.08E-15	1.62E-14
ENSMUSG00000075600	ZC3H3	0.791749	0.099763	2.08E-15	1.62E-14
ENSMUSG00000031007	ATP6AP2	0.747421	0.094204	2.12E-15	1.65E-14
ENSMUSG00000058355	ABCE1	0.654688	0.082564	2.20E-15	1.71E-14
ENSMUSG00000049672	ZBTB14	-0.85989	0.108499	2.28E-15	1.76E-14
ENSMUSG00000019838	SLC16A10	-0.85131	0.107434	2.30E-15	1.78E-14
ENSMUSG00000022474	PMM1	0.853861	0.107764	2.31E-15	1.79E-14
ENSMUSG00000081406	RPS6-PS4	1.315584	0.166074	2.34E-15	1.81E-14
ENSMUSG00000031189	AFF2	-1.66589	0.210304	2.35E-15	1.82E-14
ENSMUSG00000028943	ESPN	-1.65875	0.209444	2.38E-15	1.84E-14
ENSMUSG00000040327	CUL9	-0.80106	0.101145	2.38E-15	1.84E-14
ENSMUSG00000043832	CLEC4A3	1.515554	0.19136	2.38E-15	1.84E-14
ENSMUSG00000099703	ENSMUSG000C	1.043162	0.131724	2.39E-15	1.85E-14
ENSMUSG00000026687	ALDH9A1	-0.87079	0.110036	2.50E-15	1.93E-14
ENSMUSG00000037742	EEF1A1	0.67756	0.085625	2.51E-15	1.94E-14
ENSMUSG00000029685	ASB15	-3.14159	0.397066	2.53E-15	1.95E-14
ENSMUSG00000057788	DDX49	1.065152	0.134675	2.59E-15	2.00E-14
ENSMUSG00000016239	LONRF3	2.639013	0.333679	2.60E-15	2.00E-14
ENSMUSG00000021597	SLF1	-1.54404	0.195299	2.66E-15	2.05E-14
ENSMUSG00000041992	RAPGEF5	-0.97472	0.123309	2.69E-15	2.07E-14
ENSMUSG00000036256	IGFBP7	0.697178	0.08823	2.75E-15	2.12E-14
ENSMUSG00000039230	TBCD	0.959239	0.121394	2.75E-15	2.12E-14
ENSMUSG00000011179	ODC1	1.018096	0.128864	2.78E-15	2.14E-14
ENSMUSG00000055782	ABCD2	-1.05069	0.13299	2.78E-15	2.14E-14
ENSMUSG00000060678	HIST1H4C	4.992637	0.632052	2.81E-15	2.16E-14
ENSMUSG00000030291	MED21	0.768904	0.097378	2.88E-15	2.21E-14
ENSMUSG00000038319	KCNH2	-1.69826	0.215136	2.93E-15	2.25E-14
ENSMUSG00000031788	KIFC3	-1.00214	0.126955	2.93E-15	2.25E-14
ENSMUSG00000045996	POLR2K	0.712466	0.090259	2.94E-15	2.25E-14
ENSMUSG00000029019	NPPB	2.043308	0.258904	2.97E-15	2.28E-14
ENSMUSG000000103333	GM37994	3.452827	0.437528	2.98E-15	2.29E-14
ENSMUSG00000020437	MYO1G	1.602875	0.203122	2.99E-15	2.29E-14
ENSMUSG00000022464	SLC38A4	-0.84704	0.107351	3.01E-15	2.31E-14
ENSMUSG00000021645	SMN1	1.050608	0.133171	3.04E-15	2.33E-14
ENSMUSG00000044938	KLHL31	-1.23859	0.157037	3.09E-15	2.36E-14
ENSMUSG00000028820	SFPQ	0.655826	0.083176	3.15E-15	2.41E-14
ENSMUSG00000027861	CASQ2	-0.66793	0.08472	3.17E-15	2.43E-14
ENSMUSG00000033102	CDC14B	-1.11766	0.141807	3.23E-15	2.47E-14
ENSMUSG00000029377	EREG	3.608321	0.457844	3.24E-15	2.48E-14
ENSMUSG00000009630	PPP2CB	0.663956	0.084263	3.28E-15	2.51E-14
ENSMUSG00000031365	ZFP275	-0.98861	0.12554	3.41E-15	2.60E-14
ENSMUSG00000074221	ZFP568	0.90931	0.115485	3.44E-15	2.62E-14
ENSMUSG00000039254	POMT1	-1.14111	0.14497	3.51E-15	2.68E-14
ENSMUSG00000026155	SMAP1	0.91995	0.116968	3.69E-15	2.81E-14
ENSMUSG00000024875	YIF1A	0.649974	0.082666	3.76E-15	2.87E-14
ENSMUSG00000024829	MRPL21	0.695309	0.08845	3.81E-15	2.90E-14
ENSMUSG00000039716	DOCK3	3.081439	0.392	3.82E-15	2.90E-14
ENSMUSG00000049536	TCEAL1	-1.26369	0.160758	3.82E-15	2.90E-14
ENSMUSG00000031634	UFSP2	0.768188	0.097759	3.90E-15	2.97E-14

ENSMUSG00000045039	MEGF8	-0.65662	0.083577	3.95E-15	3.00E-14
ENSMUSG00000034522	ZFP395	-0.90547	0.115322	4.11E-15	3.12E-14
ENSMUSG00000021022	PPP2R3C	0.712698	0.090775	4.12E-15	3.13E-14
ENSMUSG00000026942	TRAF2	0.68928	0.087834	4.24E-15	3.22E-14
ENSMUSG00000050705	2310061I04RIK	-0.93968	0.119743	4.25E-15	3.22E-14
ENSMUSG00000057113	NPM1	0.652327	0.083127	4.25E-15	3.22E-14
ENSMUSG00000050953	GJA1	-1.69541	0.216066	4.27E-15	3.24E-14
ENSMUSG00000044177	WFIKN2	-1.15099	0.146692	4.28E-15	3.25E-14
ENSMUSG00000033715	AKR1C14	-1.26671	0.161466	4.33E-15	3.28E-14
ENSMUSG00000067274	RPLP0	0.686665	0.08754	4.36E-15	3.30E-14
ENSMUSG00000066595	FLVCR1	0.952064	0.121415	4.46E-15	3.37E-14
ENSMUSG00000066842	HMCN1	-1.72585	0.220133	4.50E-15	3.41E-14
ENSMUSG00000033722	BC034090	-0.88771	0.113374	4.88E-15	3.69E-14
ENSMUSG00000045193	CIRBP	0.654356	0.083592	4.96E-15	3.75E-14
ENSMUSG00000029625	CPSF4	0.760905	0.097213	4.99E-15	3.77E-14
ENSMUSG00000038240	PDSS2	-0.72407	0.092541	5.11E-15	3.85E-14
ENSMUSG00000025732	MCRIP2	-1.58596	0.202714	5.13E-15	3.87E-14
ENSMUSG00000013419	ZFP651	-0.64858	0.082907	5.16E-15	3.89E-14
ENSMUSG00000034341	WBP2	0.642078	0.082082	5.18E-15	3.91E-14
ENSMUSG00000022622	ACR	1.995011	0.255065	5.22E-15	3.93E-14
ENSMUSG00000064057	SCGB3A1	2.286158	0.292368	5.31E-15	4.00E-14
ENSMUSG00000047221	FAM185A	-0.8433	0.107855	5.33E-15	4.02E-14
ENSMUSG00000001348	ACP5	1.753262	0.22436	5.52E-15	4.15E-14
ENSMUSG00000026494	KIF26B	-1.30479	0.167008	5.60E-15	4.21E-14
ENSMUSG00000053113	SOCS3	2.696714	0.345215	5.64E-15	4.24E-14
ENSMUSG00000066235	POMGNT2	-1.25192	0.160284	5.69E-15	4.28E-14
ENSMUSG00000022370	MRPL13	0.708235	0.090706	5.81E-15	4.36E-14
ENSMUSG00000032397	TIPIN	1.179929	0.151138	5.86E-15	4.40E-14
ENSMUSG00000024548	SETBP1	-1.04551	0.133941	5.91E-15	4.44E-14
ENSMUSG00000062397	ZFP706	-0.6445	0.082574	5.94E-15	4.46E-14
ENSMUSG00000079562	MAEA	0.693961	0.088915	5.96E-15	4.47E-14
ENSMUSG00000079559	COLCA2	-2.31134	0.296149	5.97E-15	4.47E-14
ENSMUSG00000044951	MYLK4	-3.24204	0.41548	6.04E-15	4.52E-14
ENSMUSG00000031886	CES2E	-2.11271	0.2709	6.25E-15	4.68E-14
ENSMUSG00000062785	KCNC3	-1.4871	0.19071	6.31E-15	4.72E-14
ENSMUSG00000040485	LRRC52	-4.15881	0.533477	6.41E-15	4.79E-14
ENSMUSG00000032370	LACTB	-0.72102	0.092498	6.44E-15	4.82E-14
ENSMUSG00000029911	SSBP1	0.662463	0.084993	6.48E-15	4.84E-14
ENSMUSG00000039148	SART1	0.644608	0.082714	6.53E-15	4.88E-14
ENSMUSG00000021228	ACOT3	-2.87299	0.368748	6.64E-15	4.96E-14
ENSMUSG00000039168	DAP	0.95328	0.122406	6.82E-15	5.09E-14
ENSMUSG00000070319	EIF3G	0.906062	0.116364	6.89E-15	5.14E-14
ENSMUSG00000047205	DUSP18	-2.45658	0.315557	6.98E-15	5.20E-14
ENSMUSG000000102018	K230010J24RIK	2.220174	0.285275	7.11E-15	5.30E-14
ENSMUSG00000006641	SLC5A6	-0.88322	0.113541	7.32E-15	5.46E-14
ENSMUSG00000023915	TNFRSF21	-0.85199	0.109562	7.47E-15	5.56E-14
ENSMUSG00000020712	TCAM1	2.490477	0.320306	7.53E-15	5.60E-14
ENSMUSG00000021079	TIMM9	0.702689	0.090403	7.68E-15	5.71E-14
ENSMUSG00000006058	SNF8	1.049929	0.135111	7.80E-15	5.80E-14
ENSMUSG00000099624	GM7889	-2.37968	0.306268	7.85E-15	5.84E-14

ENSMUSG00000066850	VMN1R65	2.159563	0.278015	7.99E-15	5.94E-14
ENSMUSG00000024968	RCOR2	-1.20637	0.155345	8.12E-15	6.03E-14
ENSMUSG00000036188	ANKMY2	-1.12966	0.145495	8.21E-15	6.10E-14
ENSMUSG00000053565	EIF3K	0.703797	0.090646	8.21E-15	6.10E-14
ENSMUSG00000021432	SLC35B3	1.023041	0.131787	8.31E-15	6.16E-14
ENSMUSG00000040370	ETFRF1	1.031274	0.132876	8.41E-15	6.24E-14
ENSMUSG00000034981	PARM1	-1.11388	0.143564	8.57E-15	6.36E-14
ENSMUSG00000026473	GLUL	0.870687	0.112224	8.60E-15	6.37E-14
ENSMUSG00000071192	WFIKKN1	2.191669	0.282498	8.62E-15	6.38E-14
ENSMUSG00000074873	AI606181	1.230925	0.158682	8.68E-15	6.43E-14
ENSMUSG00000027091	ZC3H15	0.691407	0.089159	8.85E-15	6.55E-14
ENSMUSG00000038733	WDR26	0.663566	0.085574	8.89E-15	6.57E-14
ENSMUSG00000003469	PHYHIP	-1.34781	0.173882	9.10E-15	6.73E-14
ENSMUSG00000020018	SNRPF	0.806042	0.103993	9.12E-15	6.74E-14
ENSMUSG00000015947	FCGR1	2.226986	0.287354	9.19E-15	6.79E-14
ENSMUSG00000036693	NOP14	0.937337	0.121025	9.56E-15	7.06E-14
ENSMUSG00000022412	MIEF1	0.66566	0.085948	9.56E-15	7.06E-14
ENSMUSG00000032802	SRXN1	1.008248	0.130191	9.61E-15	7.09E-14
ENSMUSG00000024112	CACNA1H	-2.64051	0.34101	9.70E-15	7.15E-14
ENSMUSG00000007458	M6PR	0.641522	0.0829	1.01E-14	7.41E-14
ENSMUSG00000038084	OPA1	-0.644	0.083241	1.02E-14	7.52E-14
ENSMUSG00000042737	DPM3	0.792239	0.102405	1.02E-14	7.53E-14
ENSMUSG00000070493	CHCHD2	0.807553	0.104485	1.09E-14	7.98E-14
ENSMUSG00000091874	VMN1R56	3.374038	0.436582	1.09E-14	8.01E-14
ENSMUSG00000049037	CLEC4A1	1.27221	0.164732	1.14E-14	8.35E-14
ENSMUSG00000051212	GPR183	1.65165	0.213863	1.14E-14	8.35E-14
ENSMUSG00000024965	FERMT3	1.226704	0.158868	1.15E-14	8.44E-14
ENSMUSG00000025656	ARHGEF9	-1.28882	0.16691	1.15E-14	8.44E-14
ENSMUSG00000029345	TFIP11	0.828607	0.107316	1.15E-14	8.46E-14
ENSMUSG00000018774	CD68	1.535741	0.19894	1.17E-14	8.56E-14
ENSMUSG00000027820	MME	-1.87739	0.243239	1.18E-14	8.64E-14
ENSMUSG00000060216	ARRB2	0.894049	0.115849	1.19E-14	8.70E-14
ENSMUSG00000022100	XPO7	-0.64489	0.083619	1.24E-14	9.06E-14
ENSMUSG00000027184	CAPRIN1	-0.65864	0.085402	1.24E-14	9.06E-14
ENSMUSG00000040312	CCHCR1	0.95487	0.123823	1.24E-14	9.09E-14
ENSMUSG00000052310	SLC39A1	0.636567	0.082567	1.26E-14	9.22E-14
ENSMUSG00000024135	SRBD1	-0.96913	0.125759	1.30E-14	9.47E-14
ENSMUSG00000040907	ATP1A3	1.942204	0.252049	1.30E-14	9.51E-14
ENSMUSG00000015672	MRPL32	0.658066	0.085418	1.32E-14	9.63E-14
ENSMUSG00000071660	TTC9C	-0.90512	0.117493	1.32E-14	9.66E-14
ENSMUSG00000012429	MPLKIP	1.100438	0.14288	1.34E-14	9.79E-14
ENSMUSG00000029594	RBM19	1.056707	0.137209	1.35E-14	9.82E-14
ENSMUSG00000038335	TSR1	0.739676	0.096053	1.35E-14	9.87E-14
ENSMUSG00000006362	CBFA2T3	-1.3426	0.174355	1.36E-14	9.89E-14
ENSMUSG00000002205	VRK3	0.752952	0.097835	1.40E-14	1.02E-13
ENSMUSG00000058070	EML1	-1.10073	0.143039	1.41E-14	1.03E-13
ENSMUSG00000001924	UBA1	0.638435	0.083018	1.47E-14	1.07E-13
ENSMUSG00000037110	RALGAPA2	-0.83069	0.108022	1.47E-14	1.07E-13
ENSMUSG00000021840	MAPK1IP1L	0.642277	0.083547	1.50E-14	1.09E-13
ENSMUSG00000036817	SUN1	-0.81804	0.106414	1.50E-14	1.09E-13

ENSMUSG00000001151	PCNT	-1.25844	0.163863	1.59E-14	1.16E-13
ENSMUSG000000035356	NFKBIZ	1.74214	0.22685	1.59E-14	1.16E-13
ENSMUSG000000110921	CR550303.1	-2.1835	0.284482	1.65E-14	1.20E-13
ENSMUSG000000052396	MOGAT2	-2.07451	0.270294	1.65E-14	1.20E-13
ENSMUSG000000004096	CWC15	0.639048	0.083275	1.67E-14	1.21E-13
ENSMUSG000000024240	EPC1	0.773767	0.100831	1.67E-14	1.21E-13
ENSMUSG000000055239	KCMF1	0.638115	0.083157	1.67E-14	1.21E-13
ENSMUSG000000039356	EXOSC2	0.956417	0.124675	1.70E-14	1.23E-13
ENSMUSG000000052934	FBXO31	-1.47143	0.191852	1.73E-14	1.25E-13
ENSMUSG000000028465	TLN1	0.666412	0.08691	1.75E-14	1.27E-13
ENSMUSG000000068270	SHROOM4	-0.77693	0.101323	1.75E-14	1.27E-13
ENSMUSG000000090000	IER3IP1	0.695641	0.090724	1.75E-14	1.27E-13
ENSMUSG000000028601	ECHDC2	-1.26824	0.1656	1.88E-14	1.36E-13
ENSMUSG000000002885	ADGRE5	-0.6987	0.091248	1.90E-14	1.37E-13
ENSMUSG000000021076	ACTR10	0.633118	0.082693	1.92E-14	1.38E-13
ENSMUSG000000032342	MTO1	-0.78935	0.103105	1.92E-14	1.39E-13
ENSMUSG000000028730	CFAP57	3.523797	0.460393	1.95E-14	1.41E-13
ENSMUSG000000030104	EDEM1	1.455955	0.190322	2.01E-14	1.45E-13
ENSMUSG000000046865	FBL	1.080254	0.141211	2.01E-14	1.45E-13
ENSMUSG000000029048	RER1	0.633676	0.08284	2.02E-14	1.46E-13
ENSMUSG000000047246	HIST1H2BE	1.574245	0.205813	2.03E-14	1.46E-13
ENSMUSG000000045427	HNRNPH2	0.632844	0.082747	2.04E-14	1.47E-13
ENSMUSG000000030030	1700003E16RII	-1.95558	0.25577	2.08E-14	1.49E-13
ENSMUSG000000028834	TRIM63	-0.89233	0.116715	2.08E-14	1.50E-13
ENSMUSG000000056025	CLCA3A1	1.582144	0.206955	2.09E-14	1.50E-13
ENSMUSG000000060126	TPT1	0.720455	0.094245	2.10E-14	1.51E-13
ENSMUSG000000029714	GIGYF1	-0.66277	0.086701	2.10E-14	1.51E-13
ENSMUSG000000027706	SEC62	0.729194	0.095394	2.11E-14	1.51E-13
ENSMUSG000000005824	TNFSF14	2.769915	0.362422	2.13E-14	1.53E-13
ENSMUSG000000035285	NAT14	1.232626	0.161301	2.14E-14	1.54E-13
ENSMUSG000000070953	RABEPK	1.02174	0.133752	2.19E-14	1.57E-13
ENSMUSG000000020019	NTN4	-1.35101	0.176864	2.19E-14	1.57E-13
ENSMUSG000000043263	IFI209	1.526303	0.199835	2.21E-14	1.58E-13
ENSMUSG000000030470	CSRP3	0.759468	0.099437	2.21E-14	1.58E-13
ENSMUSG000000048406	B330016D10RI	1.253318	0.164146	2.25E-14	1.61E-13
ENSMUSG000000061286	EXOSC5	1.46024	0.191287	2.28E-14	1.63E-13
ENSMUSG000000017299	DNTTIP1	0.798486	0.104622	2.31E-14	1.65E-13
ENSMUSG000000036469	Mar-01	1.281592	0.16794	2.32E-14	1.66E-13
ENSMUSG000000061689	DLGAP4	0.742	0.097252	2.35E-14	1.68E-13
ENSMUSG000000039481	NRTN	-0.7542	0.098859	2.36E-14	1.69E-13
ENSMUSG000000026305	LRRFIP1	0.63531	0.083293	2.39E-14	1.71E-13
ENSMUSG000000026496	PARP1	-0.9096	0.119262	2.41E-14	1.72E-13
ENSMUSG000000098188	SOWAHC	1.556334	0.204115	2.44E-14	1.74E-13
ENSMUSG000000039661	DUSP26	2.781554	0.364979	2.51E-14	1.79E-13
ENSMUSG000000026003	ACADL	-0.68356	0.089731	2.58E-14	1.84E-13
ENSMUSG000000021125	ARG2	2.559635	0.33604	2.60E-14	1.85E-13
ENSMUSG000000030748	IL4RA	2.021888	0.265465	2.61E-14	1.86E-13
ENSMUSG000000019907	PPP1R12A	0.644234	0.084599	2.63E-14	1.87E-13
ENSMUSG000000037664	CDKN1C	-1.07111	0.140664	2.64E-14	1.88E-13
ENSMUSG000000044792	ISCA1	-0.8163	0.107203	2.65E-14	1.88E-13

ENSMUSG00000031155	PIM2	1.07382	0.141049	2.68E-14	1.90E-13
ENSMUSG00000025408	DDIT3	0.853346	0.112102	2.69E-14	1.91E-13
ENSMUSG00000057278	SNRPG	0.915151	0.120221	2.69E-14	1.91E-13
ENSMUSG00000028609	MAGOH	0.712479	0.09361	2.72E-14	1.93E-13
ENSMUSG00000042626	SHC1	0.670491	0.088129	2.78E-14	1.98E-13
ENSMUSG00000051065	MB21D2	-0.78381	0.103119	2.94E-14	2.08E-13
ENSMUSG00000043154	PPP2R3A	-1.18234	0.15558	2.97E-14	2.11E-13
ENSMUSG00000043635	ADAMTS3	-1.44029	0.189546	2.99E-14	2.12E-13
ENSMUSG00000030007	CCT7	0.805002	0.105948	3.01E-14	2.13E-13
ENSMUSG00000047419	CMYA5	-1.68433	0.221695	3.02E-14	2.14E-13
ENSMUSG00000020639	PFN4	-2.00884	0.264425	3.03E-14	2.15E-13
ENSMUSG00000067608	PCNA-PS2	-3.4626	0.455801	3.04E-14	2.15E-13
ENSMUSG00000005823	GPR108	0.635612	0.083672	3.04E-14	2.15E-13
ENSMUSG00000001156	MXD1	1.014454	0.133616	3.14E-14	2.22E-13
ENSMUSG00000027714	EXOSC9	0.696575	0.091757	3.16E-14	2.23E-13
ENSMUSG00000030872	GGA2	-0.65097	0.08575	3.16E-14	2.23E-13
ENSMUSG00000032557	UBA5	0.695477	0.09164	3.22E-14	2.27E-13
ENSMUSG00000021123	RDH12	2.184806	0.287923	3.24E-14	2.29E-13
ENSMUSG00000003131	PAFAH1B2	1.068906	0.140889	3.28E-14	2.31E-13
ENSMUSG00000024251	THADA	-0.84902	0.111975	3.40E-14	2.40E-13
ENSMUSG00000025326	UBE3A	0.737885	0.097322	3.41E-14	2.40E-13
ENSMUSG00000031158	TIMM17B	0.748407	0.098734	3.45E-14	2.43E-13
ENSMUSG00000000411	TSSK3	3.535522	0.466467	3.47E-14	2.45E-13
ENSMUSG00000003423	PIH1D1	0.741945	0.097903	3.50E-14	2.46E-13
ENSMUSG00000048827	PKD1L3	1.369243	0.18068	3.50E-14	2.46E-13
ENSMUSG00000028771	PTPN12	1.201356	0.158588	3.58E-14	2.52E-13
ENSMUSG00000076435	ACSF2	-0.83993	0.110945	3.71E-14	2.61E-13
ENSMUSG00000020812	1810032O08RI	1.378131	0.182068	3.75E-14	2.64E-13
ENSMUSG00000031447	LAMP1	0.662764	0.087561	3.75E-14	2.64E-13
ENSMUSG00000096146	KCNJ11	-1.79258	0.236826	3.75E-14	2.64E-13
ENSMUSG00000038612	MCL1	0.640057	0.084581	3.81E-14	2.67E-13
ENSMUSG00000053101	GPR141	3.381674	0.446916	3.83E-14	2.69E-13
ENSMUSG00000068250	AMN1	0.993687	0.131324	3.83E-14	2.69E-13
ENSMUSG00000043639	RBM20	-0.91122	0.120494	3.96E-14	2.78E-13
ENSMUSG00000024498	TCERG1	0.636753	0.084203	3.96E-14	2.78E-13
ENSMUSG00000037337	MAP4K1	1.753442	0.231897	3.99E-14	2.80E-13
ENSMUSG00000035370	GM49322	1.239251	0.163904	4.00E-14	2.81E-13
ENSMUSG00000027411	VPS16	0.771727	0.102075	4.02E-14	2.81E-13
ENSMUSG00000049516	SPTY2D1	0.760912	0.100669	4.08E-14	2.85E-13
ENSMUSG00000026618	IARS2	-0.62376	0.08253	4.09E-14	2.86E-13
ENSMUSG00000020605	HS1BP3	-1.25999	0.166725	4.11E-14	2.88E-13
ENSMUSG00000028343	ERP44	0.92808	0.12282	4.14E-14	2.90E-13
ENSMUSG00000021221	DPF3	-1.01139	0.133863	4.18E-14	2.92E-13
ENSMUSG00000001289	PFDN5	0.777311	0.102893	4.20E-14	2.94E-13
ENSMUSG00000023495	PCBP4	0.655008	0.086725	4.26E-14	2.98E-13
ENSMUSG00000026740	DNAJC1	0.752881	0.099717	4.35E-14	3.03E-13
ENSMUSG00000041058	WWP1	-0.67285	0.089118	4.35E-14	3.03E-13
ENSMUSG00000074272	CEACAM1	-0.89871	0.119049	4.38E-14	3.06E-13
ENSMUSG000000104978	GM31274	4.016518	0.532062	4.39E-14	3.06E-13
ENSMUSG00000047298	KCNV2	-2.81123	0.37247	4.44E-14	3.09E-13

ENSMUSG00000022747	ST3GAL6	-0.9585	0.127001	4.45E-14	3.10E-13
ENSMUSG00000032265	TENT5A	1.256233	0.16645	4.45E-14	3.10E-13
ENSMUSG00000019579	MYDGF	0.870524	0.115376	4.52E-14	3.15E-13
ENSMUSG00000055932	FTO	-0.70989	0.094124	4.63E-14	3.22E-13
ENSMUSG00000071347	C1QTNF9	-0.68865	0.09132	4.66E-14	3.24E-13
ENSMUSG00000038497	TMCO3	-0.92196	0.12227	4.69E-14	3.26E-13
ENSMUSG00000000056	NARF	-1.04857	0.139086	4.73E-14	3.29E-13
ENSMUSG00000041193	PLA2G5	-1.58101	0.209733	4.76E-14	3.31E-13
ENSMUSG00000004933	MATK	1.40866	0.186883	4.79E-14	3.32E-13
ENSMUSG00000026842	ABL1	-0.73828	0.098016	4.99E-14	3.46E-13
ENSMUSG00000052013	BTLA	2.000106	0.265599	5.05E-14	3.50E-13
ENSMUSG00000026981	IL1RN	4.202178	0.55808	5.09E-14	3.53E-13
ENSMUSG00000040824	SNRPD2	0.834936	0.110888	5.09E-14	3.53E-13
ENSMUSG00000038080	KDM1B	-0.77849	0.103431	5.21E-14	3.61E-13
ENSMUSG00000025423	PIAS2	0.642689	0.085395	5.23E-14	3.62E-13
ENSMUSG00000057506	BLOC1S2	0.71947	0.095608	5.26E-14	3.64E-13
ENSMUSG00000053641	DENND4A	1.533218	0.203793	5.34E-14	3.69E-13
ENSMUSG00000043059	ZFP513	1.110423	0.147607	5.36E-14	3.71E-13
ENSMUSG00000008435	RDH13	-0.73994	0.098365	5.38E-14	3.72E-13
ENSMUSG000000106631	GM42669	-1.25779	0.167209	5.38E-14	3.72E-13
ENSMUSG00000047888	TNRC6B	-0.83368	0.110836	5.40E-14	3.73E-13
ENSMUSG00000035352	CCL12	2.739121	0.364168	5.41E-14	3.74E-13
ENSMUSG00000022894	ADAMTS5	-0.90909	0.12088	5.45E-14	3.76E-13
ENSMUSG00000024352	SPATA24	0.92315	0.122785	5.54E-14	3.82E-13
ENSMUSG00000047459	DYNLRB1	0.621285	0.08264	5.56E-14	3.84E-13
ENSMUSG00000046230	VPS13A	-0.6724	0.089466	5.66E-14	3.90E-13
ENSMUSG00000096188	CMTM4	-0.67313	0.089628	5.90E-14	4.06E-13
ENSMUSG00000059895	PTP4A3	-0.63381	0.084398	5.92E-14	4.08E-13
ENSMUSG00000029390	TMED2	0.625428	0.083301	6.00E-14	4.13E-13
ENSMUSG00000031712	IL15	-3.02043	0.402341	6.04E-14	4.16E-13
ENSMUSG00000024687	OSBP	-0.71698	0.095592	6.36E-14	4.38E-13
ENSMUSG00000060397	ZFP128	-1.33169	0.177568	6.40E-14	4.40E-13
ENSMUSG00000040997	ABHD4	0.659936	0.088016	6.49E-14	4.46E-13
ENSMUSG00000022558	MROH1	0.869945	0.116028	6.49E-14	4.46E-13
ENSMUSG00000057335	CEP170	0.78829	0.105147	6.53E-14	4.48E-13
ENSMUSG00000030469	ZFP719	1.474733	0.196768	6.64E-14	4.56E-13
ENSMUSG00000038305	SPATS2L	-1.37363	0.183301	6.69E-14	4.59E-13
ENSMUSG00000006403	ADAMTS4	3.408568	0.454884	6.72E-14	4.61E-13
ENSMUSG00000009210	PRR29	-1.5033	0.200645	6.77E-14	4.64E-13
ENSMUSG00000021712	TRIM23	-0.84061	0.112215	6.83E-14	4.68E-13
ENSMUSG00000001247	LSR	1.254516	0.167473	6.84E-14	4.69E-13
ENSMUSG00000039639	KCNE1	-1.69675	0.226546	6.90E-14	4.73E-13
ENSMUSG00000050217	LGSN	3.500448	0.467396	6.93E-14	4.74E-13
ENSMUSG00000039202	ABHD2	0.626326	0.083645	7.00E-14	4.79E-13
ENSMUSG00000056121	FEZ2	0.620401	0.082855	7.00E-14	4.79E-13
ENSMUSG00000041408	WAPL	0.728582	0.097318	7.07E-14	4.83E-13
ENSMUSG00000024507	HSD17B4	-0.75227	0.100508	7.18E-14	4.91E-13
ENSMUSG000000081209	GM14890	-3.97498	0.531288	7.33E-14	5.01E-13
ENSMUSG00000024145	PIGF	1.114628	0.14899	7.36E-14	5.03E-13
ENSMUSG00000053338	TARM1	3.38408	0.452358	7.38E-14	5.04E-13

ENSMUSG00000028347	TMEFF1	-1.01786	0.136126	7.58E-14	5.18E-13
ENSMUSG00000038473	NOS1AP	-1.18699	0.158746	7.59E-14	5.18E-13
ENSMUSG00000050379	Sep-06	-1.02191	0.136695	7.67E-14	5.23E-13
ENSMUSG00000005611	MRVI1	-1.53084	0.204805	7.74E-14	5.28E-13
ENSMUSG00000031779	CCL22	3.421107	0.457734	7.78E-14	5.30E-13
ENSMUSG00000090258	CHURC1	0.706384	0.094579	8.10E-14	5.51E-13
ENSMUSG00000024959	BAD	0.729434	0.097667	8.10E-14	5.52E-13
ENSMUSG00000003435	SUPT5	0.617609	0.082698	8.13E-14	5.53E-13
ENSMUSG00000038279	NOP2	0.797348	0.106767	8.14E-14	5.53E-13
ENSMUSG00000019960	DUSP6	0.688651	0.092226	8.20E-14	5.58E-13
ENSMUSG00000035239	NEU3	-1.02547	0.137384	8.38E-14	5.69E-13
ENSMUSG00000045216	HS6ST1	0.622107	0.08336	8.46E-14	5.75E-13
ENSMUSG00000048307	ANKRD46	-0.67856	0.090926	8.47E-14	5.75E-13
ENSMUSG00000021298	GPR132	2.098976	0.281275	8.50E-14	5.77E-13
ENSMUSG00000030500	SLC17A6	-3.29202	0.441484	8.87E-14	6.02E-13
ENSMUSG00000004894	HAPLN2	3.408457	0.457104	8.88E-14	6.02E-13
ENSMUSG00000056271	LMAN1L	1.842491	0.247118	8.92E-14	6.05E-13
ENSMUSG00000021218	GDI2	0.634625	0.085128	8.99E-14	6.09E-13
ENSMUSG00000002455	PRPF6	0.702332	0.094211	9.00E-14	6.10E-13
ENSMUSG00000042063	ZFP386	0.649067	0.087098	9.18E-14	6.22E-13
ENSMUSG00000000861	BCL11A	-1.36098	0.18265	9.25E-14	6.26E-13
ENSMUSG00000028459	CD72	1.283677	0.172339	9.44E-14	6.39E-13
ENSMUSG00000035325	SEC31A	0.786699	0.10563	9.50E-14	6.43E-13
ENSMUSG00000053063	CLEC12A	1.314873	0.176626	9.74E-14	6.59E-13
ENSMUSG00000019055	PLOD1	-0.65597	0.088135	9.86E-14	6.67E-13
ENSMUSG00000028405	ACO1	-0.89534	0.120307	9.91E-14	6.69E-13
ENSMUSG00000022179	4931414P19RII	-1.21591	0.163385	9.92E-14	6.70E-13
ENSMUSG00000042682	SELENOK	0.68296	0.091773	9.93E-14	6.71E-13
ENSMUSG00000039166	AKAP7	-0.74127	0.099624	1.00E-13	6.76E-13
ENSMUSG00000038025	PHF2	-0.62629	0.084193	1.02E-13	6.86E-13
ENSMUSG00000031714	GAB1	-0.97753	0.131429	1.02E-13	6.91E-13
ENSMUSG00000005533	IGF1R	0.861295	0.115804	1.03E-13	6.91E-13
ENSMUSG00000049950	RPP38	0.949604	0.127681	1.03E-13	6.92E-13
ENSMUSG00000075415	FNBP1	-1.07906	0.145121	1.04E-13	7.01E-13
ENSMUSG00000026209	DNPEP	0.824998	0.110988	1.06E-13	7.14E-13
ENSMUSG00000007888	CRLF1	2.583743	0.347609	1.06E-13	7.15E-13
ENSMUSG00000062963	UFC1	0.617183	0.083037	1.06E-13	7.16E-13
ENSMUSG00000037149	DDX1	0.61638	0.082942	1.07E-13	7.22E-13
ENSMUSG00000028719	CMPK1	0.819891	0.110334	1.08E-13	7.24E-13
ENSMUSG00000041798	GCK	-1.15351	0.155271	1.09E-13	7.35E-13
ENSMUSG00000095432	ZFP748	1.122965	0.151196	1.11E-13	7.45E-13
ENSMUSG00000032508	MYD88	0.974251	0.131215	1.13E-13	7.58E-13
ENSMUSG00000051236	MSRB3	-0.64335	0.086676	1.15E-13	7.71E-13
ENSMUSG00000004460	DNAJB11	0.620392	0.083593	1.16E-13	7.76E-13
ENSMUSG00000014077	CHP1	0.677575	0.091321	1.17E-13	7.87E-13
ENSMUSG00000073888	CCL27A	1.022092	0.137756	1.17E-13	7.87E-13
ENSMUSG00000031266	GLA	1.199098	0.161617	1.18E-13	7.88E-13
ENSMUSG00000020485	SUPT4A	0.652089	0.087938	1.21E-13	8.13E-13
ENSMUSG00000026656	FCGR2B	1.814993	0.244772	1.22E-13	8.14E-13
ENSMUSG00000019872	SMPDL3A	-0.67081	0.090469	1.22E-13	8.15E-13

ENSMUSG00000029227	FIP1L1	0.655748	0.088439	1.22E-13	8.16E-13
ENSMUSG00000024571	GM16286	0.674117	0.090943	1.24E-13	8.28E-13
ENSMUSG00000001440	KPNB1	0.642246	0.086656	1.25E-13	8.35E-13
ENSMUSG00000029575	MMAB	-0.72056	0.09726	1.28E-13	8.53E-13
ENSMUSG00000093989	RNASEK	0.616131	0.083175	1.29E-13	8.59E-13
ENSMUSG00000034707	GNS	-0.61183	0.082603	1.29E-13	8.63E-13
ENSMUSG00000051251	NHLH1	3.481024	0.470628	1.40E-13	9.33E-13
ENSMUSG00000055371	STAM2	1.083638	0.146614	1.46E-13	9.71E-13
ENSMUSG00000093904	TOMM20	1.018101	0.137771	1.47E-13	9.81E-13
ENSMUSG00000030263	LRMP	1.166111	0.157802	1.47E-13	9.81E-13
ENSMUSG00000027695	PLD1	-0.93363	0.126342	1.47E-13	9.81E-13
ENSMUSG00000039191	RBPJ	0.653719	0.088487	1.49E-13	9.95E-13
ENSMUSG00000025359	PMEL	2.072052	0.280513	1.51E-13	1.00E-12
ENSMUSG00000028165	CISD2	0.611055	0.082725	1.51E-13	1.00E-12
ENSMUSG00000002475	ABHD3	-1.06487	0.144178	1.52E-13	1.01E-12
ENSMUSG00000034266	BATF	1.916251	0.259512	1.54E-13	1.02E-12
ENSMUSG00000043702	PDE12	0.826195	0.111898	1.54E-13	1.03E-12
ENSMUSG00000024521	PMAIP1	1.976464	0.267737	1.56E-13	1.04E-12
ENSMUSG00000009545	KCNQ1	-1.30529	0.176894	1.60E-13	1.06E-12
ENSMUSG00000025169	OGFOD3	0.679802	0.092128	1.60E-13	1.06E-12
ENSMUSG00000034040	GALNT17	-1.72185	0.233362	1.60E-13	1.06E-12
ENSMUSG00000024349	TMEM173	1.367748	0.185375	1.60E-13	1.06E-12
ENSMUSG00000051721	WDCP	-0.96088	0.130265	1.63E-13	1.08E-12
ENSMUSG00000075273	TTC30B	-2.67322	0.362654	1.69E-13	1.12E-12
ENSMUSG00000000561	WDR77	0.653807	0.088764	1.76E-13	1.17E-12
ENSMUSG00000001739	CLDN15	1.116881	0.151688	1.80E-13	1.19E-12
ENSMUSG00000035678	TNFSF9	1.691849	0.229786	1.80E-13	1.19E-12
ENSMUSG00000028412	SLC44A1	-0.96863	0.131594	1.83E-13	1.21E-12
ENSMUSG00000032411	TFDP2	-0.62828	0.085393	1.87E-13	1.24E-12
ENSMUSG00000037260	HGSNAT	0.81505	0.110794	1.89E-13	1.25E-12
ENSMUSG00000040136	ABCC8	-1.42541	0.1938	1.91E-13	1.26E-12
ENSMUSG00000025172	ANKRD2	3.767939	0.512486	1.95E-13	1.29E-12
ENSMUSG00000090272	MNDAL	-0.96657	0.13148	1.96E-13	1.30E-12
ENSMUSG00000025525	APOOL	0.608048	0.082726	1.98E-13	1.31E-12
ENSMUSG00000027428	RBBP9	-1.30274	0.177259	1.99E-13	1.31E-12
ENSMUSG00000107023	GM42715	2.223914	0.302639	2.01E-13	1.32E-12
ENSMUSG00000004285	ATP6V1F	0.786436	0.107028	2.01E-13	1.33E-12
ENSMUSG00000032834	PWP2	0.685987	0.093374	2.03E-13	1.34E-12
ENSMUSG00000055707	KLHL26	0.856994	0.11667	2.05E-13	1.35E-12
ENSMUSG00000074519	ZFP971	-1.20308	0.163844	2.09E-13	1.38E-12
ENSMUSG00000042821	SNAI1	1.274373	0.173559	2.10E-13	1.38E-12
ENSMUSG00000029076	SDF4	0.608292	0.082866	2.12E-13	1.40E-12
ENSMUSG00000042831	ALKBH6	0.857647	0.116858	2.15E-13	1.41E-12
ENSMUSG00000006998	PSMD2	0.60166	0.082023	2.21E-13	1.46E-12
ENSMUSG00000025666	TMEM47	-0.89403	0.12191	2.24E-13	1.47E-12
ENSMUSG00000098789	JMJD7	0.938998	0.128052	2.25E-13	1.48E-12
ENSMUSG00000029378	AREG	3.356749	0.457781	2.26E-13	1.48E-12
ENSMUSG00000058835	ABI1	0.678154	0.09249	2.26E-13	1.49E-12
ENSMUSG00000029777	GARS	0.620208	0.084595	2.28E-13	1.49E-12
ENSMUSG00000079445	B3GNT7	3.864222	0.527131	2.29E-13	1.50E-12

ENSMUSG00000055053	NFIC	-1.11488	0.152105	2.31E-13	1.51E-12
ENSMUSG00000036430	TBCC	0.708907	0.096721	2.31E-13	1.52E-12
ENSMUSG00000015092	EDF1	0.815851	0.111329	2.33E-13	1.53E-12
ENSMUSG00000078554	FAM229A	3.424027	0.467585	2.43E-13	1.59E-12
ENSMUSG00000001034	MAPK7	1.000222	0.136643	2.48E-13	1.62E-12
ENSMUSG00000081887	GM12097	1.883027	0.257346	2.53E-13	1.66E-12
ENSMUSG00000025521	TMEM192	0.659915	0.0902	2.55E-13	1.67E-12
ENSMUSG00000071855	CCDC112	2.008235	0.274554	2.58E-13	1.69E-12
ENSMUSG00000021124	VTI1B	0.609508	0.083331	2.59E-13	1.69E-12
ENSMUSG00000019173	RAB5C	0.628219	0.085919	2.64E-13	1.72E-12
ENSMUSG00000030224	STRAP	0.6727	0.092016	2.66E-13	1.74E-12
ENSMUSG00000024442	DELE1	-0.74375	0.101745	2.67E-13	1.75E-12
ENSMUSG00000009076	ZMAT5	0.76924	0.105256	2.71E-13	1.77E-12
ENSMUSG00000039828	WDR70	0.778759	0.106576	2.73E-13	1.78E-12
ENSMUSG00000033047	EIF3L	0.604817	0.082782	2.75E-13	1.79E-12
ENSMUSG00000041329	ATP1B2	-1.71911	0.235335	2.77E-13	1.81E-12
ENSMUSG00000046675	TMEM251	0.929032	0.127236	2.84E-13	1.85E-12
ENSMUSG00000000838	FMR1	0.86444	0.118425	2.89E-13	1.88E-12
ENSMUSG00000022838	EAF2	1.374723	0.188346	2.90E-13	1.89E-12
ENSMUSG00000030978	RRM1	0.951903	0.130439	2.93E-13	1.91E-12
ENSMUSG00000049881	2810025M15R	0.839829	0.115092	2.94E-13	1.92E-12
ENSMUSG00000052957	GAS1	-1.02105	0.13996	2.98E-13	1.94E-12
ENSMUSG00000039046	USP6NL	0.89289	0.122397	2.99E-13	1.94E-12
ENSMUSG00000095930	NIM1K	-1.49716	0.205239	2.99E-13	1.95E-12
ENSMUSG00000021763	BC067074	-2.10491	0.28857	3.00E-13	1.95E-12
ENSMUSG00000023036	PCDHGC4	3.642791	0.499479	3.03E-13	1.97E-12
ENSMUSG00000039067	PSMD7	0.601381	0.082492	3.10E-13	2.01E-12
ENSMUSG00000036733	RBM42	0.60854	0.083479	3.11E-13	2.02E-12
ENSMUSG00000028759	HP1BP3	-0.60499	0.083003	3.13E-13	2.03E-12
ENSMUSG00000036943	RAB8B	0.756538	0.1038	3.14E-13	2.04E-12
ENSMUSG00000014859	E2F4	0.923981	0.126797	3.17E-13	2.05E-12
ENSMUSG00000018166	ERBB3	-0.72858	0.099991	3.18E-13	2.06E-12
ENSMUSG00000018501	NCOR1	-0.67126	0.092126	3.18E-13	2.06E-12
ENSMUSG00000039976	TBC1D16	-0.92888	0.127508	3.22E-13	2.08E-12
ENSMUSG00000050891	TATDN1	0.728077	0.099944	3.22E-13	2.08E-12
ENSMUSG00000022987	ZFP641	-0.84353	0.115795	3.22E-13	2.09E-12
ENSMUSG00000027195	HSD17B12	0.674984	0.092667	3.24E-13	2.10E-12
ENSMUSG00000071342	LSMEM1	-3.0604	0.420176	3.25E-13	2.10E-12
ENSMUSG00000031133	ARHGEF6	-0.66095	0.090756	3.27E-13	2.12E-12
ENSMUSG00000068284	USF3	1.109967	0.152417	3.28E-13	2.12E-12
ENSMUSG00000029617	CCZ1	0.659331	0.090547	3.30E-13	2.13E-12
ENSMUSG00000061039	OLFR920	2.333643	0.320511	3.31E-13	2.14E-12
ENSMUSG00000024456	DIAPH1	0.626095	0.085993	3.32E-13	2.14E-12
ENSMUSG00000040018	COX15	-1.06422	0.14617	3.32E-13	2.14E-12
ENSMUSG00000021693	KIF2A	0.746136	0.102498	3.35E-13	2.16E-12
ENSMUSG00000024168	TMEM204	-1.03564	0.142373	3.49E-13	2.25E-12
ENSMUSG00000039103	NEXN	-1.1125	0.153002	3.57E-13	2.30E-12
ENSMUSG00000025439	CLNS1A	0.623243	0.085721	3.58E-13	2.31E-12
ENSMUSG00000004151	ETV1	-1.82216	0.250689	3.63E-13	2.34E-12
ENSMUSG00000046056	SBSN	1.442818	0.198532	3.66E-13	2.36E-12

ENSMUSG00000050370	CH25H	3.39503	0.467259	3.71E-13	2.39E-12
ENSMUSG00000022197	PDZD2	-0.81235	0.111808	3.71E-13	2.39E-12
ENSMUSG00000025500	LMNTD2	3.482596	0.479508	3.79E-13	2.44E-12
ENSMUSG00000026197	ZFAND2B	0.784737	0.108089	3.87E-13	2.49E-12
ENSMUSG00000020803	TXNDC17	0.616234	0.084936	4.01E-13	2.58E-12
ENSMUSG00000044768	D1ERTD622E	0.996194	0.13735	4.08E-13	2.62E-12
ENSMUSG00000036948	BC037034	1.010958	0.139418	4.13E-13	2.65E-12
ENSMUSG00000020453	PATZ1	-0.81539	0.11248	4.19E-13	2.69E-12
ENSMUSG00000069631	STRADA	0.691079	0.095343	4.22E-13	2.71E-12
ENSMUSG00000027398	IL1B	2.848233	0.392968	4.23E-13	2.71E-12
ENSMUSG00000004508	GAB2	0.775775	0.107054	4.27E-13	2.74E-12
ENSMUSG00000042079	HNRNPF	0.60691	0.083751	4.27E-13	2.74E-12
ENSMUSG00000051351	ZFP46	-1.15152	0.15891	4.28E-13	2.74E-12
ENSMUSG00000028676	SRSF10	0.63139	0.087168	4.38E-13	2.80E-12
ENSMUSG00000030423	POP4	0.803686	0.110966	4.40E-13	2.82E-12
ENSMUSG00000042660	WDR55	0.673223	0.093023	4.58E-13	2.93E-12
ENSMUSG00000026308	KLHL30	-0.91245	0.126093	4.61E-13	2.95E-12
ENSMUSG00000017144	RND3	0.658448	0.090995	4.62E-13	2.95E-12
ENSMUSG00000040843	TIPRL	0.657331	0.09085	4.64E-13	2.97E-12
ENSMUSG00000049791	FZD4	-0.60334	0.083391	4.65E-13	2.97E-12
ENSMUSG00000021917	SPCS1	0.598643	0.082746	4.67E-13	2.98E-12
ENSMUSG00000030427	LILRA6	2.120572	0.293249	4.78E-13	3.05E-12
ENSMUSG00000018599	MIEF2	0.700394	0.096861	4.80E-13	3.06E-12
ENSMUSG00000073758	SH3D21	-1.20624	0.16691	4.94E-13	3.15E-12
ENSMUSG00000058793	CDS2	0.630773	0.087289	4.96E-13	3.17E-12
ENSMUSG00000002032	TMEM25	-1.86827	0.258545	4.97E-13	3.17E-12
ENSMUSG00000002668	DENND1C	0.990405	0.137114	5.08E-13	3.24E-12
ENSMUSG00000057897	CAMK2B	-1.32452	0.18338	5.09E-13	3.24E-12
ENSMUSG00000022519	SRL	-0.64672	0.089563	5.17E-13	3.29E-12
ENSMUSG00000000253	GMPR	-1.06859	0.147999	5.19E-13	3.30E-12
ENSMUSG00000027293	EHD4	0.59273	0.082104	5.23E-13	3.33E-12
ENSMUSG00000040044	ORC3	0.65583	0.09085	5.24E-13	3.34E-12
ENSMUSG00000031930	WWP2	0.700948	0.097143	5.37E-13	3.41E-12
ENSMUSG00000050148	UBQLN2	-0.64346	0.089194	5.42E-13	3.45E-12
ENSMUSG00000032026	REXO2	0.619863	0.085929	5.45E-13	3.46E-12
ENSMUSG00000028402	MPDZ	-0.76674	0.106296	5.46E-13	3.47E-12
ENSMUSG00000038648	CREB3L2	-0.81688	0.113289	5.57E-13	3.54E-12
ENSMUSG00000023977	UBR2	-0.71074	0.09863	5.76E-13	3.65E-12
ENSMUSG00000062960	KDR	-0.63942	0.08877	5.88E-13	3.73E-12
ENSMUSG00000021967	MRPL57	0.63976	0.088856	6.02E-13	3.82E-12
ENSMUSG00000034105	TLDC1	-0.8718	0.121083	6.02E-13	3.82E-12
ENSMUSG00000031986	SPRTN	0.653261	0.090747	6.08E-13	3.85E-12
ENSMUSG00000048920	FKRP	-0.64986	0.090286	6.12E-13	3.88E-12
ENSMUSG00000091780	SCO2	-1.04174	0.144735	6.13E-13	3.88E-12
ENSMUSG00000021824	AP3M1	-0.81017	0.112575	6.17E-13	3.90E-12
ENSMUSG00000030774	PAK1	1.631732	0.226747	6.19E-13	3.91E-12
ENSMUSG00000039367	SEC24C	0.597903	0.083126	6.35E-13	4.01E-12
ENSMUSG00000039347	ATP6V0E2	-0.89928	0.12504	6.39E-13	4.04E-12
ENSMUSG00000020264	SLC36A2	-2.79093	0.388069	6.39E-13	4.04E-12
ENSMUSG00000103332	PCDHGA2	-1.28149	0.178324	6.66E-13	4.20E-12

ENSMUSG00000023018	SMARCD1	-0.61229	0.085229	6.77E-13	4.27E-12
ENSMUSG00000024790	SAC3D1	0.730941	0.101751	6.79E-13	4.28E-12
ENSMUSG00000029359	TESC	-0.96184	0.133901	6.81E-13	4.29E-12
ENSMUSG00000038417	FIG4	-0.59928	0.083436	6.85E-13	4.32E-12
ENSMUSG00000019822	SMPD2	-0.77757	0.108284	6.93E-13	4.37E-12
ENSMUSG00000000296	TPD52L1	-1.38399	0.192814	7.08E-13	4.46E-12
ENSMUSG00000028889	YRDC	1.196756	0.166767	7.17E-13	4.51E-12
ENSMUSG00000003283	HCK	1.790915	0.249581	7.20E-13	4.53E-12
ENSMUSG00000049988	LRRC25	1.37108	0.191096	7.24E-13	4.56E-12
ENSMUSG00000005779	PSMB4	0.788409	0.109909	7.32E-13	4.61E-12
ENSMUSG00000042032	MAT2B	-0.62299	0.086854	7.34E-13	4.62E-12
ENSMUSG00000022111	UCHL3	0.841975	0.117408	7.43E-13	4.67E-12
ENSMUSG00000032352	LRRC1	-0.75823	0.105776	7.59E-13	4.77E-12
ENSMUSG00000036180	GATAD2A	0.607583	0.084773	7.66E-13	4.81E-12
ENSMUSG00000028798	EIF3I	0.591546	0.082542	7.69E-13	4.83E-12
ENSMUSG00000057933	GSTA2	2.442095	0.340801	7.74E-13	4.86E-12
ENSMUSG00000039601	RCAN2	-0.62543	0.087308	7.86E-13	4.93E-12
ENSMUSG00000052253	ZFP622	0.609378	0.085067	7.86E-13	4.93E-12
ENSMUSG00000078234	KLHDC7A	-2.19403	0.306276	7.86E-13	4.93E-12
ENSMUSG00000030842	LAMTOR1	0.593338	0.08283	7.87E-13	4.93E-12
ENSMUSG00000040675	MTHFD1L	1.912174	0.266947	7.89E-13	4.94E-12
ENSMUSG00000014402	TSG101	0.612624	0.085571	8.11E-13	5.08E-12
ENSMUSG00000029312	KLHL8	-0.81364	0.113653	8.13E-13	5.09E-12
ENSMUSG00000035521	GNPTG	0.763771	0.106712	8.23E-13	5.15E-12
ENSMUSG00000029371	CXCL5	4.907616	0.685872	8.35E-13	5.22E-12
ENSMUSG00000032006	PDGFD	-1.02978	0.143934	8.39E-13	5.25E-12
ENSMUSG00000028184	ADGRL2	-0.73703	0.103109	8.80E-13	5.50E-12
ENSMUSG00000030102	ITPR1	-0.9464	0.132439	8.94E-13	5.59E-12
ENSMUSG00000026810	DPM2	0.702954	0.098376	8.96E-13	5.60E-12
ENSMUSG00000041859	MCM3	1.240464	0.173613	9.00E-13	5.62E-12
ENSMUSG00000004535	TAX1BP1	0.591334	0.082765	9.02E-13	5.63E-12
ENSMUSG00000050270	TMEM220	-1.2229	0.171205	9.14E-13	5.70E-12
ENSMUSG00000030303	FAR2	1.58525	0.221969	9.21E-13	5.75E-12
ENSMUSG00000060314	ZFP941	2.160059	0.302494	9.28E-13	5.78E-12
ENSMUSG00000032902	SLC16A1	-0.6	0.084036	9.35E-13	5.83E-12
ENSMUSG00000033849	B3GALT2	-1.5197	0.212863	9.38E-13	5.84E-12
ENSMUSG00000040957	CABLES1	-1.19065	0.166788	9.42E-13	5.87E-12
ENSMUSG00000000594	GM2A	0.633785	0.088817	9.62E-13	5.99E-12
ENSMUSG00000025730	RAB40C	0.799577	0.112065	9.68E-13	6.03E-12
ENSMUSG00000071451	PSMG4	0.868694	0.121756	9.70E-13	6.03E-12
ENSMUSG00000024312	WDR46	0.943538	0.13227	9.79E-13	6.09E-12
ENSMUSG00000043313	PCDHB19	-1.44579	0.202692	9.83E-13	6.11E-12
ENSMUSG00000026348	ACMSD	1.512124	0.212038	9.94E-13	6.18E-12
ENSMUSG00000048621	GM6377	2.515592	0.352814	1.00E-12	6.23E-12
ENSMUSG00000080316	SPACA6	0.859011	0.120484	1.01E-12	6.25E-12
ENSMUSG00000041754	TREM3	3.652032	0.512358	1.02E-12	6.33E-12
ENSMUSG00000032010	USP2	-1.19057	0.16705	1.03E-12	6.36E-12
ENSMUSG00000042529	KCNJ12	-1.79092	0.251398	1.05E-12	6.51E-12
ENSMUSG00000015013	TRAPPC2L	0.810255	0.113748	1.05E-12	6.54E-12
ENSMUSG00000050608	MINOS1	0.689361	0.096829	1.08E-12	6.72E-12

ENSMUSG00000026917	WDR5	0.708197	0.099477	1.09E-12	6.73E-12
ENSMUSG00000029466	ANAPC7	0.604484	0.084923	1.10E-12	6.78E-12
ENSMUSG00000021765	FST	2.927078	0.411342	1.11E-12	6.88E-12
ENSMUSG00000001052	SEC24B	0.989338	0.139044	1.12E-12	6.91E-12
ENSMUSG00000017721	PIGT	0.592692	0.083305	1.12E-12	6.94E-12
ENSMUSG00000025591	TMA16	0.807461	0.113505	1.13E-12	6.98E-12
ENSMUSG000000095597	GM6472	1.160041	0.163134	1.15E-12	7.12E-12
ENSMUSG00000040721	ZFHX2	-1.10366	0.155213	1.16E-12	7.14E-12
ENSMUSG00000023353	AGAP3	-0.59678	0.083962	1.18E-12	7.29E-12
ENSMUSG00000024912	FOSL1	2.441195	0.343468	1.18E-12	7.30E-12
ENSMUSG000000095609	GM21188	3.381963	0.475835	1.18E-12	7.30E-12
ENSMUSG00000024526	CIDEA	0.606148	0.085304	1.20E-12	7.39E-12
ENSMUSG00000015869	PRPSAP1	-0.76793	0.108102	1.21E-12	7.49E-12
ENSMUSG00000045519	ZFP560	0.862514	0.121427	1.22E-12	7.52E-12
ENSMUSG00000047281	SFN	1.082787	0.152492	1.24E-12	7.66E-12
ENSMUSG00000043008	KLHL6	1.069292	0.150652	1.27E-12	7.81E-12
ENSMUSG00000072694	1500011B03RII	1.315043	0.185316	1.28E-12	7.90E-12
ENSMUSG000000093760	ENSMUSG000C	1.239949	0.174749	1.29E-12	7.93E-12
ENSMUSG00000031119	GPC4	-0.94106	0.132632	1.29E-12	7.95E-12
ENSMUSG00000034245	HDAC11	-1.69915	0.239506	1.30E-12	7.99E-12
ENSMUSG00000020397	MED7	0.718485	0.101287	1.31E-12	8.04E-12
ENSMUSG00000021477	CTSL	0.593353	0.083664	1.32E-12	8.12E-12
ENSMUSG00000026309	ILKAP	0.630098	0.088874	1.34E-12	8.26E-12
ENSMUSG00000026827	GPD2	-0.91772	0.129466	1.36E-12	8.33E-12
ENSMUSG00000019823	MICAL1	1.042618	0.147106	1.37E-12	8.39E-12
ENSMUSG00000042042	CSGALNACT2	0.611823	0.086325	1.37E-12	8.39E-12
ENSMUSG00000026288	INPP5D	1.023953	0.144579	1.42E-12	8.70E-12
ENSMUSG000000090173	FBXW10	3.112537	0.439504	1.42E-12	8.72E-12
ENSMUSG00000027132	KATNBL1	0.84935	0.119975	1.45E-12	8.88E-12
ENSMUSG000000063558	AOX1	-1.04053	0.146992	1.45E-12	8.91E-12
ENSMUSG000000064373	SELENOP	-1.2761	0.180309	1.47E-12	9.01E-12
ENSMUSG000000000957	MMP14	1.395374	0.197183	1.48E-12	9.05E-12
ENSMUSG00000026185	IGFBP5	-1.70923	0.241534	1.48E-12	9.05E-12
ENSMUSG00000045106	CCDC73	1.251171	0.176845	1.49E-12	9.15E-12
ENSMUSG00000026480	NCF2	1.43656	0.203069	1.50E-12	9.20E-12
ENSMUSG00000038775	VILL	2.346114	0.331688	1.51E-12	9.26E-12
ENSMUSG00000025161	SLC16A3	2.393483	0.33841	1.52E-12	9.29E-12
ENSMUSG00000044393	DSG2	-1.3127	0.185611	1.52E-12	9.32E-12
ENSMUSG000000083462	GM12501	3.217927	0.455013	1.53E-12	9.32E-12
ENSMUSG000000009216	FAM163B	-3.22974	0.456709	1.53E-12	9.35E-12
ENSMUSG000000058173	SMCO4	-0.89431	0.126465	1.53E-12	9.35E-12
ENSMUSG000000053094	TMEM248	0.757069	0.107133	1.59E-12	9.69E-12
ENSMUSG00000027068	DHRS9	2.187931	0.309668	1.60E-12	9.77E-12
ENSMUSG00000043719	COL6A6	-3.35396	0.474701	1.60E-12	9.77E-12
ENSMUSG000000061410	ZCCHC14	-0.79326	0.112355	1.66E-12	1.01E-11
ENSMUSG000000003808	FARSA	0.611454	0.086613	1.67E-12	1.02E-11
ENSMUSG00000042462	DCTPP1	0.963181	0.136458	1.68E-12	1.03E-11
ENSMUSG000000004347	PDE1C	-0.60086	0.085144	1.70E-12	1.04E-11
ENSMUSG000000071068	TREML2	2.44651	0.346783	1.73E-12	1.05E-11
ENSMUSG000000035401	EMSY	-0.69958	0.099167	1.73E-12	1.05E-11

ENSMUSG00000042870	TOM1	0.62657	0.088883	1.80E-12	1.09E-11
ENSMUSG00000001847	RAC1	0.594371	0.084335	1.82E-12	1.10E-11
ENSMUSG000000027429	SEC23B	0.792205	0.112411	1.82E-12	1.11E-11
ENSMUSG000000050730	ARHGAP42	-1.23033	0.174665	1.87E-12	1.13E-11
ENSMUSG000000020381	MRNIP	1.246993	0.177035	1.87E-12	1.14E-11
ENSMUSG000000059325	HOPX	-1.47442	0.209355	1.89E-12	1.14E-11
ENSMUSG000000019132	BC005537	1.094759	0.155469	1.90E-12	1.15E-11
ENSMUSG000000026894	MORN5	3.498373	0.497021	1.94E-12	1.18E-11
ENSMUSG000000025350	RDH5	0.872945	0.124039	1.95E-12	1.18E-11
ENSMUSG000000027555	CAR13	1.706349	0.24246	1.96E-12	1.18E-11
ENSMUSG000000024143	RHOQ	-0.66808	0.094931	1.96E-12	1.18E-11
ENSMUSG000000022013	DNAJC15	0.581025	0.082571	1.97E-12	1.19E-11
ENSMUSG000000026395	PTPRC	1.119259	0.159062	1.97E-12	1.19E-11
ENSMUSG000000026321	TNFRSF11A	1.494123	0.212459	2.03E-12	1.23E-11
ENSMUSG000000049047	ARMCX3	-0.64339	0.091494	2.04E-12	1.23E-11
ENSMUSG000000042700	SIPA1L1	-0.66432	0.09448	2.05E-12	1.24E-11
ENSMUSG000000038602	SLC35F1	-2.00032	0.284492	2.05E-12	1.24E-11
ENSMUSG000000052384	NRROS	1.145453	0.162916	2.05E-12	1.24E-11
ENSMUSG000000005882	UQCC1	-0.59197	0.084199	2.06E-12	1.24E-11
ENSMUSG000000039768	DNAJC11	0.614788	0.087448	2.06E-12	1.24E-11
ENSMUSG000000030432	RPL28	0.887635	0.126263	2.06E-12	1.25E-11
ENSMUSG000000028099	POLR3C	0.758909	0.107958	2.07E-12	1.25E-11
ENSMUSG000000030539	SEMA4B	-0.76399	0.108693	2.08E-12	1.26E-11
ENSMUSG000000030847	BAG3	0.61402	0.0874	2.13E-12	1.29E-11
ENSMUSG000000020389	CDKL3	1.283477	0.182699	2.14E-12	1.29E-11
ENSMUSG000000058267	MRPS14	0.6574	0.09358	2.14E-12	1.29E-11
ENSMUSG000000028651	PPIE	0.691164	0.098412	2.17E-12	1.31E-11
ENSMUSG000000060591	IFITM2	0.962516	0.137079	2.19E-12	1.32E-11
ENSMUSG000000043716	RPL7	0.609184	0.086784	2.23E-12	1.34E-11
ENSMUSG000000054021	SIRT5	-0.87207	0.124241	2.23E-12	1.34E-11
ENSMUSG000000003813	RAD23A	0.588939	0.083918	2.25E-12	1.35E-11
ENSMUSG000000032420	NT5E	0.663065	0.094487	2.26E-12	1.36E-11
ENSMUSG000000031767	NUDT7	-0.59642	0.084999	2.27E-12	1.36E-11
ENSMUSG000000020160	MEIS1	-0.63591	0.090642	2.29E-12	1.38E-11
ENSMUSG000000003360	DDX23	0.587265	0.083716	2.30E-12	1.38E-11
ENSMUSG000000057440	MPP7	1.096734	0.156359	2.31E-12	1.39E-11
ENSMUSG000000028729	EBNA1BP2	0.65722	0.09373	2.35E-12	1.41E-11
ENSMUSG000000043909	TRP53BP1	-0.99567	0.14202	2.37E-12	1.42E-11
ENSMUSG000000063406	TMED5	0.652301	0.093046	2.37E-12	1.42E-11
ENSMUSG000000044148	1810030O07RI	-0.65485	0.093446	2.42E-12	1.45E-11
ENSMUSG000000034211	MRPS17	0.667758	0.095289	2.42E-12	1.45E-11
ENSMUSG000000053716	DUSP7	-1.17737	0.168044	2.45E-12	1.47E-11
ENSMUSG000000051890	KLHDC1	-1.33112	0.190115	2.53E-12	1.51E-11
ENSMUSG000000074063	OSGIN1	1.181852	0.1688	2.53E-12	1.52E-11
ENSMUSG000000036632	ALG5	0.693034	0.098987	2.54E-12	1.52E-11
ENSMUSG000000089756	ZFP966	-1.01336	0.144773	2.57E-12	1.53E-11
ENSMUSG000000035199	ARL6IP5	0.579684	0.082839	2.60E-12	1.55E-11
ENSMUSG000000021453	GADD45G	2.804495	0.400889	2.64E-12	1.58E-11
ENSMUSG000000030282	CMAS	0.649164	0.092859	2.73E-12	1.63E-11
ENSMUSG000000055639	DACH1	-1.12	0.160215	2.74E-12	1.63E-11

ENSMUSG00000037712	FERMT2	0.574736	0.082231	2.76E-12	1.65E-11
ENSMUSG00000024420	ZFP521	-0.8891	0.127223	2.78E-12	1.66E-11
ENSMUSG00000041895	WIPI1	-0.57604	0.082442	2.81E-12	1.67E-11
ENSMUSG00000034258	FLVCR2	-3.47814	0.497809	2.81E-12	1.68E-11
ENSMUSG00000071528	USMG5	0.603691	0.086404	2.81E-12	1.68E-11
ENSMUSG00000039100	Mar-06	-0.58194	0.083324	2.87E-12	1.71E-11
ENSMUSG00000031278	ACSL4	0.668158	0.095673	2.87E-12	1.71E-11
ENSMUSG00000070394	TMEM256	0.801898	0.114853	2.91E-12	1.73E-11
ENSMUSG00000026171	RNF25	0.80802	0.115744	2.93E-12	1.74E-11
ENSMUSG00000050919	ZFP366	-2.39358	0.342911	2.95E-12	1.75E-11
ENSMUSG00000018750	ZBTB4	-1.17008	0.16772	3.03E-12	1.80E-11
ENSMUSG00000022858	TRA2B	0.585763	0.083965	3.03E-12	1.80E-11
ENSMUSG00000028271	GTF2B	0.600236	0.086065	3.08E-12	1.83E-11
ENSMUSG00000074219	GM10644	-1.64294	0.235588	3.09E-12	1.83E-11
ENSMUSG00000024481	LVRN	-2.61324	0.37504	3.22E-12	1.91E-11
ENSMUSG00000043631	ECM2	-1.99504	0.286371	3.25E-12	1.93E-11
ENSMUSG00000099974	BCL2A1D	3.536957	0.507698	3.25E-12	1.93E-11
ENSMUSG00000033128	GGA1	-0.5805	0.083336	3.27E-12	1.94E-11
ENSMUSG00000032718	MANSC1	-1.26154	0.181128	3.29E-12	1.95E-11
ENSMUSG00000073700	KLHL21	-1.1994	0.172222	3.30E-12	1.96E-11
ENSMUSG00000034898	FILIP1	-0.70807	0.101674	3.30E-12	1.96E-11
ENSMUSG00000032374	PLOD2	-0.86406	0.124084	3.32E-12	1.97E-11
ENSMUSG00000059058	TMA7-PS	-3.95723	0.568345	3.34E-12	1.98E-11
ENSMUSG00000015363	TRABD	0.586259	0.08421	3.36E-12	1.99E-11
ENSMUSG00000030409	DMPK	-0.8519	0.122389	3.39E-12	2.01E-11
ENSMUSG00000029763	EXOC4	-0.7369	0.105908	3.45E-12	2.04E-11
ENSMUSG00000018995	NARS2	-0.92806	0.133398	3.47E-12	2.06E-11
ENSMUSG00000024087	CYP1B1	1.454864	0.209126	3.48E-12	2.06E-11
ENSMUSG00000070780	RBM47	1.662086	0.238955	3.51E-12	2.07E-11
ENSMUSG00000004364	CUL3	0.587693	0.084497	3.52E-12	2.08E-11
ENSMUSG00000020388	PDLIM4	-0.91106	0.131031	3.58E-12	2.11E-11
ENSMUSG00000022594	LYNX1	-1.38921	0.199983	3.74E-12	2.21E-11
ENSMUSG00000070572	TRMT112-PS2	0.93256	0.134257	3.76E-12	2.22E-11
ENSMUSG00000042148	COX10	-0.58606	0.084385	3.78E-12	2.23E-11
ENSMUSG00000066319	RTP3	-1.24918	0.179874	3.79E-12	2.24E-11
ENSMUSG00000021756	IL6ST	-0.58174	0.083768	3.79E-12	2.24E-11
ENSMUSG000000102030	GM29106	3.918238	0.564235	3.80E-12	2.24E-11
ENSMUSG00000031432	PRPS1	0.615378	0.088618	3.81E-12	2.24E-11
ENSMUSG00000021895	ARHGEF3	-0.6229	0.089734	3.88E-12	2.28E-11
ENSMUSG00000013495	TMEM175	-0.84164	0.121321	4.00E-12	2.35E-11
ENSMUSG00000039007	CPQ	-0.7035	0.101453	4.08E-12	2.40E-11
ENSMUSG00000085028	SLC2A4RG-PS	-1.4759	0.212849	4.09E-12	2.41E-11
ENSMUSG00000069184	ZFP72	-1.4239	0.205363	4.10E-12	2.41E-11
ENSMUSG00000027074	SLC43A3	-0.72606	0.104727	4.12E-12	2.42E-11
ENSMUSG00000057572	ZBTB8OS	0.730486	0.105371	4.13E-12	2.43E-11
ENSMUSG00000028706	NSUN4	-0.6372	0.091932	4.17E-12	2.45E-11
ENSMUSG00000003070	EFNA2	-2.10034	0.303045	4.18E-12	2.46E-11
ENSMUSG00000038717	ATP5L	0.618613	0.089274	4.23E-12	2.48E-11
ENSMUSG00000026749	NEK6	1.214633	0.175324	4.27E-12	2.51E-11
ENSMUSG00000073608	GAL3ST2C	-1.39769	0.201793	4.32E-12	2.53E-11

ENSMUSG00000052889	PRKCB	1.121598	0.161949	4.34E-12	2.55E-11
ENSMUSG00000030397	MARK4	-0.60914	0.088002	4.46E-12	2.61E-11
ENSMUSG00000056458	MOK	1.53808	0.22228	4.53E-12	2.66E-11
ENSMUSG00000020544	COX11	-0.72532	0.104845	4.58E-12	2.69E-11
ENSMUSG00000021468	SPTLC1	0.619225	0.089531	4.64E-12	2.72E-11
ENSMUSG00000002332	DHRS1	0.631016	0.091248	4.67E-12	2.73E-11
ENSMUSG00000029513	PRKAB1	-0.66942	0.096803	4.67E-12	2.73E-11
ENSMUSG00000027713	1810062G17RI	2.249944	0.325599	4.84E-12	2.83E-11
ENSMUSG00000026159	AGFG1	0.581626	0.084174	4.85E-12	2.84E-11
ENSMUSG00000021898	ASB14	-1.59695	0.231151	4.89E-12	2.86E-11
ENSMUSG00000046756	MRPS7	0.73903	0.106988	4.93E-12	2.88E-11
ENSMUSG00000025742	PRPS2	-0.90175	0.130562	4.96E-12	2.90E-11
ENSMUSG00000005397	NID1	-0.57192	0.082809	4.97E-12	2.90E-11
ENSMUSG00000074781	UBE2N	0.571354	0.082733	4.98E-12	2.91E-11
ENSMUSG00000024900	CPT1A	-0.79585	0.115267	5.04E-12	2.94E-11
ENSMUSG00000055670	ZZEF1	0.619173	0.089704	5.11E-12	2.98E-11
ENSMUSG00000033209	TTC28	-1.22248	0.17712	5.13E-12	2.99E-11
ENSMUSG00000042670	IMMP1L	0.654731	0.094862	5.13E-12	2.99E-11
ENSMUSG00000002804	NUDT14	0.871695	0.126323	5.18E-12	3.02E-11
ENSMUSG00000086567	GM2830	0.967738	0.140241	5.18E-12	3.02E-11
ENSMUSG00000021070	BDKRB2	2.052415	0.297546	5.28E-12	3.08E-11
ENSMUSG00000020413	HUS1	-0.82079	0.118999	5.29E-12	3.08E-11
ENSMUSG00000047749	ZC3HAV1L	-1.26824	0.18394	5.39E-12	3.14E-11
ENSMUSG00000038895	ZFP653	0.729373	0.105796	5.42E-12	3.15E-11
ENSMUSG00000062866	PHACTR2	-0.58021	0.084173	5.46E-12	3.18E-11
ENSMUSG00000002831	PLIN4	-1.27357	0.184784	5.49E-12	3.20E-11
ENSMUSG00000044390	TIGD3	1.836511	0.266511	5.54E-12	3.22E-11
ENSMUSG00000027722	SPATA5	1.080821	0.156905	5.64E-12	3.28E-11
ENSMUSG000000103415	GM37339	3.336861	0.484442	5.66E-12	3.29E-11
ENSMUSG00000027997	CASP6	-0.953	0.138376	5.70E-12	3.31E-11
ENSMUSG00000046185	ZFP84	-0.76017	0.110383	5.71E-12	3.32E-11
ENSMUSG00000025404	R3HDM2	-1.25762	0.182635	5.74E-12	3.33E-11
ENSMUSG00000070372	CAPZA1	0.753591	0.10946	5.79E-12	3.36E-11
ENSMUSG00000022247	BRIX1	0.908829	0.132025	5.83E-12	3.38E-11
ENSMUSG00000006589	APRT	1.013373	0.147214	5.83E-12	3.38E-11
ENSMUSG00000045613	CHRM2	-1.54261	0.224194	5.96E-12	3.45E-11
ENSMUSG00000056515	RAB31	0.681551	0.099056	5.97E-12	3.46E-11
ENSMUSG00000030788	RNF141	0.8548	0.124258	6.02E-12	3.49E-11
ENSMUSG00000028106	RPRD2	0.763491	0.111	6.06E-12	3.51E-11
ENSMUSG00000045268	ZFP691	-1.62231	0.235939	6.16E-12	3.56E-11
ENSMUSG00000039345	METTL22	0.674066	0.098074	6.28E-12	3.64E-11
ENSMUSG00000032038	ST3GAL4	-0.89488	0.13021	6.31E-12	3.65E-11
ENSMUSG00000039382	WDR45	0.890521	0.129578	6.31E-12	3.65E-11
ENSMUSG00000042744	HECTD4	-0.83958	0.122168	6.31E-12	3.65E-11
ENSMUSG00000050552	LAMTOR4	0.777306	0.113117	6.34E-12	3.67E-11
ENSMUSG00000026657	FRMD4A	-0.69479	0.10117	6.53E-12	3.77E-11
ENSMUSG000000106534	GM6366	-3.74612	0.545501	6.54E-12	3.78E-11
ENSMUSG00000054582	PABPC1L	2.985682	0.434861	6.61E-12	3.82E-11
ENSMUSG00000074647	FAM83C	3.158874	0.460142	6.65E-12	3.84E-11
ENSMUSG00000042699	DHX9	0.571959	0.083321	6.67E-12	3.85E-11

ENSMUSG00000063765	CHADL	-2.2089	0.321883	6.77E-12	3.90E-11
ENSMUSG00000015943	BOLA1	0.699096	0.101873	6.77E-12	3.90E-11
ENSMUSG00000071001	HRCT1	1.190402	0.173486	6.81E-12	3.92E-11
ENSMUSG00000043687	1190005I06RIK	-2.11292	0.30794	6.81E-12	3.93E-11
ENSMUSG00000025993	SLC40A1	-1.21692	0.177382	6.86E-12	3.95E-11
ENSMUSG00000071652	INTS5	0.875976	0.127708	6.92E-12	3.99E-11
ENSMUSG00000028917	PLEKHM2	-0.58479	0.085263	6.96E-12	4.00E-11
ENSMUSG00000052373	MPP3	-0.98906	0.144285	7.13E-12	4.11E-11
ENSMUSG00000023939	MRPL14	0.935723	0.136524	7.18E-12	4.13E-11
ENSMUSG00000062270	MORF4L1	0.580539	0.084716	7.24E-12	4.16E-11
ENSMUSG00000047786	LIX1	-2.1976	0.320691	7.25E-12	4.16E-11
ENSMUSG00000030417	PDCD5	0.57812	0.084389	7.35E-12	4.22E-11
ENSMUSG00000042350	AREL1	-0.7633	0.111429	7.38E-12	4.24E-11
ENSMUSG00000040268	PLEKHA1	0.638174	0.093178	7.44E-12	4.27E-11
ENSMUSG00000066232	IPO7	0.60987	0.08907	7.54E-12	4.33E-11
ENSMUSG00000035179	PPP1R32	2.125838	0.310482	7.55E-12	4.33E-11
ENSMUSG00000045064	ZC2HC1C	-1.00805	0.147229	7.55E-12	4.33E-11
ENSMUSG00000079580	TMEM217	3.116926	0.455599	7.84E-12	4.50E-11
ENSMUSG00000030168	ADIPOR2	-0.56624	0.082771	7.86E-12	4.51E-11
ENSMUSG00000058392	RRP1B	1.057513	0.15461	7.93E-12	4.54E-11
ENSMUSG00000073599	ECSCR	1.101813	0.161107	7.97E-12	4.56E-11
ENSMUSG00000048100	TAF13	0.666786	0.097503	8.00E-12	4.58E-11
ENSMUSG00000000889	DBH	-2.41672	0.353478	8.09E-12	4.63E-11
ENSMUSG00000017176	NT5C3B	-0.7837	0.114628	8.09E-12	4.63E-11
ENSMUSG00000038058	NOD1	-0.96625	0.141366	8.19E-12	4.68E-11
ENSMUSG00000063077	KIF1B	0.589557	0.086264	8.24E-12	4.71E-11
ENSMUSG00000041633	KCTD12B	-1.13192	0.165631	8.26E-12	4.72E-11
ENSMUSG00000041164	ZMIZ2	-0.56643	0.082885	8.26E-12	4.72E-11
ENSMUSG00000030942	THUMPD1	0.602335	0.088144	8.28E-12	4.73E-11
ENSMUSG00000070900	GM10306	3.220992	0.471468	8.38E-12	4.78E-11
ENSMUSG00000068697	MYOZ1	2.387508	0.349671	8.62E-12	4.92E-11
ENSMUSG00000022952	RUNX1	1.812188	0.265443	8.67E-12	4.94E-11
ENSMUSG00000090673	GM340	1.870007	0.273936	8.71E-12	4.96E-11
ENSMUSG00000028745	CAPZB	0.56274	0.082437	8.71E-12	4.97E-11
ENSMUSG00000024235	MAP3K8	1.006098	0.147455	8.91E-12	5.08E-11
ENSMUSG00000028243	UBXN2B	-0.93856	0.137612	9.08E-12	5.17E-11
ENSMUSG00000000339	RTCA	0.684615	0.100379	9.08E-12	5.17E-11
ENSMUSG00000063172	HSPB11	0.921896	0.135218	9.24E-12	5.26E-11
ENSMUSG00000036197	GXYLT1	1.037406	0.152251	9.51E-12	5.41E-11
ENSMUSG00000031803	B3GNT3	-1.16681	0.171246	9.52E-12	5.41E-11
ENSMUSG00000039115	ITGA9	-0.84254	0.12366	9.54E-12	5.42E-11
ENSMUSG00000019966	KITL	-0.67207	0.098656	9.60E-12	5.46E-11
ENSMUSG00000032487	PTGS2	2.497509	0.36674	9.76E-12	5.54E-11
ENSMUSG00000058756	THRA	-0.70453	0.103475	9.85E-12	5.60E-11
ENSMUSG00000031495	CD209D	3.070737	0.451286	1.01E-11	5.76E-11
ENSMUSG00000034681	RNPS1	0.563174	0.082773	1.02E-11	5.78E-11
ENSMUSG00000002679	MED6	0.75578	0.111091	1.02E-11	5.80E-11
ENSMUSG00000004040	STAT3	0.58956	0.086674	1.03E-11	5.85E-11
ENSMUSG00000055116	ARNTL	1.365721	0.200884	1.06E-11	5.99E-11
ENSMUSG00000022598	PSCA	3.853104	0.566827	1.06E-11	6.03E-11

ENSMUSG00000021871	GM49342	0.614691	0.090435	1.07E-11	6.05E-11
ENSMUSG00000004994	CCDC130	0.900291	0.132489	1.08E-11	6.13E-11
ENSMUSG00000004266	PTPN6	1.344995	0.198024	1.11E-11	6.26E-11
ENSMUSG00000022193	PSMB5	1.107147	0.163029	1.11E-11	6.30E-11
ENSMUSG00000032525	NKTR	0.670352	0.098719	1.12E-11	6.32E-11
ENSMUSG00000033308	DPYD	-1.70155	0.250589	1.12E-11	6.34E-11
ENSMUSG00000001305	RRP15	0.977064	0.143895	1.12E-11	6.34E-11
ENSMUSG00000070343	GM10288	1.793933	0.26421	1.12E-11	6.35E-11
ENSMUSG00000018983	E2F2	2.235534	0.329255	1.12E-11	6.35E-11
ENSMUSG00000026564	DUSP27	1.066152	0.157064	1.14E-11	6.42E-11
ENSMUSG00000048153	OLFR49	2.054591	0.302686	1.14E-11	6.43E-11
ENSMUSG00000037376	TRMT6	0.731674	0.107816	1.15E-11	6.50E-11
ENSMUSG00000027361	GABPB1	0.678975	0.100053	1.15E-11	6.50E-11
ENSMUSG00000020935	DCAKD	-0.67358	0.099275	1.16E-11	6.55E-11
ENSMUSG00000024726	CARNMT1	-0.81583	0.120266	1.17E-11	6.61E-11
ENSMUSG00000025130	P4HB	0.560626	0.082646	1.17E-11	6.62E-11
ENSMUSG00000035726	SUPT16	0.570101	0.084056	1.18E-11	6.66E-11
ENSMUSG00000040263	KLHDC4	0.691399	0.101976	1.20E-11	6.77E-11
ENSMUSG00000036067	SLC2A6	1.848928	0.272724	1.21E-11	6.79E-11
ENSMUSG00000019996	MAP7	-0.95649	0.141094	1.21E-11	6.81E-11
ENSMUSG00000000078	KLF6	1.157162	0.1707	1.21E-11	6.82E-11
ENSMUSG00000078931	PDF	-0.87985	0.129848	1.24E-11	6.95E-11
ENSMUSG00000020444	GUK1	0.639577	0.094399	1.24E-11	6.98E-11
ENSMUSG00000021702	THBS4	1.665399	0.245805	1.24E-11	6.98E-11
ENSMUSG00000042312	S100A13	0.77083	0.113813	1.26E-11	7.10E-11
ENSMUSG00000020988	L2HGDH	-0.56837	0.083958	1.29E-11	7.26E-11
ENSMUSG00000039483	ASB6	0.785748	0.116111	1.31E-11	7.38E-11
ENSMUSG00000022426	JOSD1	-0.57874	0.085546	1.33E-11	7.48E-11
ENSMUSG00000019082	SLC25A22	-0.86567	0.127967	1.34E-11	7.50E-11
ENSMUSG00000031320	RPS4X	0.578109	0.085464	1.34E-11	7.52E-11
ENSMUSG00000001138	CNNM3	-1.06434	0.157354	1.34E-11	7.53E-11
ENSMUSG00000069601	ANK3	-0.60921	0.090075	1.35E-11	7.57E-11
ENSMUSG00000008167	FBXW9	0.926722	0.137024	1.35E-11	7.57E-11
ENSMUSG00000063827	OLFR1382	3.273175	0.484016	1.36E-11	7.60E-11
ENSMUSG00000019890	NTS	1.555918	0.230126	1.37E-11	7.67E-11
ENSMUSG00000039942	PTGER4	1.028134	0.152114	1.39E-11	7.79E-11
ENSMUSG00000045886	GM9803	1.004207	0.148611	1.41E-11	7.87E-11
ENSMUSG00000071037	CAMKMT	1.200936	0.177767	1.42E-11	7.96E-11
ENSMUSG00000030983	BCCIP	0.571485	0.084607	1.43E-11	8.02E-11
ENSMUSG00000051098	MBLAC2	-1.94266	0.287613	1.43E-11	8.02E-11
ENSMUSG00000063681	CRB1	-2.62575	0.389066	1.49E-11	8.33E-11
ENSMUSG00000017002	SLPI	3.345404	0.495708	1.49E-11	8.34E-11
ENSMUSG00000025265	FGD1	-1.5803	0.234188	1.50E-11	8.38E-11
ENSMUSG00000038773	KDM3B	-0.56782	0.084165	1.51E-11	8.46E-11
ENSMUSG00000027131	EMC4	0.566431	0.083979	1.53E-11	8.55E-11
ENSMUSG00000028195	CYR61	2.541353	0.376802	1.54E-11	8.57E-11
ENSMUSG00000036862	DCHS1	-0.89778	0.133118	1.54E-11	8.58E-11
ENSMUSG00000091625	LSM5	0.910042	0.134936	1.54E-11	8.58E-11
ENSMUSG00000075706	GPX4	0.851362	0.126304	1.58E-11	8.80E-11
ENSMUSG00000040249	LRP1	0.956936	0.141986	1.59E-11	8.85E-11

ENSMUSG00000028251	TSTD3	-0.63892	0.094816	1.60E-11	8.92E-11
ENSMUSG00000061603	AKAP6	-0.81585	0.121104	1.62E-11	9.02E-11
ENSMUSG00000055676	GM5069	-1.71631	0.254818	1.63E-11	9.10E-11
ENSMUSG00000037938	CHCHD5	0.733194	0.108858	1.64E-11	9.11E-11
ENSMUSG00000020720	PSMD12	0.563309	0.083658	1.66E-11	9.22E-11
ENSMUSG00000004127	TRMT10A	1.189992	0.176748	1.67E-11	9.27E-11
ENSMUSG00000031722	HP	1.805359	0.268172	1.67E-11	9.30E-11
ENSMUSG00000069273	HIST1H3E	2.400121	0.356565	1.68E-11	9.36E-11
ENSMUSG00000021686	AP3B1	-0.58019	0.086195	1.68E-11	9.36E-11
ENSMUSG00000022205	SUB1	0.740679	0.110058	1.70E-11	9.44E-11
ENSMUSG00000061665	CD2AP	0.578415	0.085951	1.70E-11	9.45E-11
ENSMUSG00000028980	H6PD	-0.8264	0.122806	1.70E-11	9.47E-11
ENSMUSG00000026177	SLC11A1	1.272885	0.189161	1.71E-11	9.48E-11
ENSMUSG00000041625	GGACT	0.696528	0.103536	1.73E-11	9.59E-11
ENSMUSG00000039988	ANKRD13C	0.891204	0.132514	1.75E-11	9.72E-11
ENSMUSG00000031299	PDHA1	-0.67575	0.100495	1.77E-11	9.79E-11
ENSMUSG00000030691	FCHSD2	-0.68927	0.102507	1.77E-11	9.80E-11
ENSMUSG00000028249	SDCBP	0.55598	0.082692	1.77E-11	9.83E-11
ENSMUSG00000028029	AIMP1	0.748262	0.111297	1.78E-11	9.86E-11
ENSMUSG00000044364	TMEM74B	-1.4949	0.222378	1.79E-11	9.91E-11
ENSMUSG00000029715	POP7	0.683916	0.101759	1.81E-11	1.00E-10
ENSMUSG00000033688	1300017J02RIK	2.675831	0.398182	1.82E-11	1.01E-10
ENSMUSG000000107602	GM18691	3.090291	0.45986	1.82E-11	1.01E-10
ENSMUSG00000055866	PER2	-0.80541	0.119886	1.84E-11	1.02E-10
ENSMUSG00000012819	CDH23	-1.62312	0.241648	1.86E-11	1.03E-10
ENSMUSG00000036501	FAM13B	1.348362	0.20075	1.86E-11	1.03E-10
ENSMUSG00000049288	LIX1L	-0.59796	0.089028	1.86E-11	1.03E-10
ENSMUSG00000043613	MMP3	2.609282	0.388591	1.88E-11	1.04E-10
ENSMUSG00000039253	FN3KRP	-0.84879	0.126469	1.93E-11	1.06E-10
ENSMUSG00000039109	F13A1	0.607201	0.090484	1.94E-11	1.07E-10
ENSMUSG00000032199	POLR2M	-0.68106	0.101521	1.97E-11	1.09E-10
ENSMUSG00000024921	SMARCA2	-0.66381	0.09895	1.97E-11	1.09E-10
ENSMUSG00000060450	RNF14	-0.55437	0.082655	1.99E-11	1.10E-10
ENSMUSG000000110720	GM46223	-0.61044	0.091021	1.99E-11	1.10E-10
ENSMUSG00000051154	COMMD3	0.55724	0.083093	2.00E-11	1.10E-10
ENSMUSG00000060121	GEMIN2	0.739757	0.110315	2.00E-11	1.10E-10
ENSMUSG00000021704	MTX3	-0.63333	0.094446	2.00E-11	1.10E-10
ENSMUSG00000039529	ATP8B1	0.803551	0.119856	2.02E-11	1.11E-10
ENSMUSG00000001674	DDX18	0.770371	0.11493	2.04E-11	1.12E-10
ENSMUSG00000028334	NANS	0.734297	0.109572	2.06E-11	1.14E-10
ENSMUSG00000020412	ASCC2	0.567902	0.08479	2.12E-11	1.16E-10
ENSMUSG00000068264	AP5S1	-0.66284	0.098966	2.12E-11	1.16E-10
ENSMUSG00000050248	EVC2	-1.08596	0.162167	2.13E-11	1.17E-10
ENSMUSG00000024797	VPS51	0.755213	0.112795	2.15E-11	1.18E-10
ENSMUSG00000050957	INSL6	2.026489	0.302668	2.15E-11	1.18E-10
ENSMUSG00000040969	ARHGEF38	2.93756	0.438835	2.17E-11	1.19E-10
ENSMUSG00000011472	GM47103	-1.2781	0.191027	2.22E-11	1.22E-10
ENSMUSG00000003644	RPS6KA1	0.869878	0.130038	2.24E-11	1.23E-10
ENSMUSG00000081670	GM15697	2.558491	0.382528	2.26E-11	1.24E-10
ENSMUSG00000011461	ENSMUSG000C	-1.22538	0.183233	2.27E-11	1.24E-10

ENSMUSG00000021288	KLC1	0.558543	0.083587	2.35E-11	1.29E-10
ENSMUSG00000031217	EFNB1	-0.74516	0.111532	2.37E-11	1.30E-10
ENSMUSG00000047649	CD3EAP	0.808365	0.121036	2.41E-11	1.32E-10
ENSMUSG00000024944	ARL2	0.758083	0.113513	2.42E-11	1.32E-10
ENSMUSG00000048581	E130311K13RII	-1.2202	0.182721	2.42E-11	1.33E-10
ENSMUSG00000036918	TTC7	-0.94497	0.141535	2.45E-11	1.34E-10
ENSMUSG00000026479	LAMC2	0.993121	0.148782	2.47E-11	1.35E-10
ENSMUSG00000031711	ZFP330	0.849422	0.12726	2.48E-11	1.36E-10
ENSMUSG00000018800	ABCA5	-0.85364	0.127898	2.48E-11	1.36E-10
ENSMUSG00000029480	DHX37	0.832268	0.124711	2.50E-11	1.37E-10
ENSMUSG00000018654	IKZF1	1.693115	0.253731	2.51E-11	1.37E-10
ENSMUSG00000020307	CDC34	0.556726	0.083432	2.51E-11	1.37E-10
ENSMUSG00000028399	PTPRD	-1.15454	0.173034	2.52E-11	1.38E-10
ENSMUSG00000037652	PHC3	-0.72153	0.108163	2.54E-11	1.39E-10
ENSMUSG00000025066	SFR1	0.551667	0.082719	2.57E-11	1.40E-10
ENSMUSG00000030606	HAPLN3	2.173497	0.325923	2.58E-11	1.41E-10
ENSMUSG00000051495	IRF2BP2	-0.56541	0.084809	2.61E-11	1.43E-10
ENSMUSG00000024169	IFT140	-0.94585	0.141882	2.62E-11	1.43E-10
ENSMUSG00000004748	MTFP1	-1.91912	0.287885	2.62E-11	1.43E-10
ENSMUSG00000060548	TNFRSF19	-2.28767	0.343273	2.66E-11	1.45E-10
ENSMUSG00000024736	TMEM132A	-0.94434	0.141738	2.69E-11	1.47E-10
ENSMUSG00000011960	CCNT1	0.794095	0.119191	2.69E-11	1.47E-10
ENSMUSG00000044447	DOCK5	-0.63334	0.095062	2.69E-11	1.47E-10
ENSMUSG00000058558	RPL5	0.813512	0.122105	2.69E-11	1.47E-10
ENSMUSG00000037139	MYOM3	-1.45125	0.217849	2.71E-11	1.47E-10
ENSMUSG00000036167	PPHLN1	0.575159	0.086356	2.73E-11	1.49E-10
ENSMUSG00000005983	1700037C18RII	1.081159	0.162333	2.74E-11	1.49E-10
ENSMUSG00000028398	DMAC1	0.653202	0.098121	2.79E-11	1.52E-10
ENSMUSG00000037913	TMEM156	2.714253	0.407803	2.82E-11	1.53E-10
ENSMUSG00000031691	TNPO2	0.619497	0.093108	2.86E-11	1.56E-10
ENSMUSG00000014959	GORASP2	0.55094	0.082834	2.91E-11	1.58E-10
ENSMUSG00000071533	PCNP	0.585438	0.088036	2.93E-11	1.59E-10
ENSMUSG00000021314	AMPH	-2.06794	0.311057	2.97E-11	1.61E-10
ENSMUSG00000029998	PCYOX1	-1.04966	0.157892	2.97E-11	1.61E-10
ENSMUSG00000025950	IDH1	-1.68731	0.253812	2.97E-11	1.61E-10
ENSMUSG00000068240	GM11808	0.617035	0.092854	3.03E-11	1.64E-10
ENSMUSG00000021180	RPS6KA5	-0.98308	0.147959	3.05E-11	1.65E-10
ENSMUSG00000036850	MRPL41	0.56541	0.085097	3.05E-11	1.65E-10
ENSMUSG00000021112	MPP5	0.575444	0.086621	3.07E-11	1.66E-10
ENSMUSG00000045854	LYRM2	0.776203	0.116844	3.07E-11	1.66E-10
ENSMUSG00000040767	SNRNP25	0.852117	0.12828	3.08E-11	1.67E-10
ENSMUSG00000034457	EDA2R	1.132989	0.170625	3.13E-11	1.69E-10
ENSMUSG00000036955	KIF1BP	-0.64456	0.097069	3.13E-11	1.69E-10
ENSMUSG00000021360	GCNT2	1.142389	0.172049	3.14E-11	1.70E-10
ENSMUSG00000030137	TUBA8	-1.01839	0.153386	3.15E-11	1.70E-10
ENSMUSG00000071015	GM136	3.054778	0.460124	3.16E-11	1.71E-10
ENSMUSG00000097394	TMEM134	0.561406	0.084596	3.22E-11	1.74E-10
ENSMUSG00000049537	TECRL	-0.79482	0.119809	3.27E-11	1.76E-10
ENSMUSG00000027133	NOP10	0.720037	0.108589	3.34E-11	1.80E-10
ENSMUSG00000042213	ZFAND4	-1.17446	0.177205	3.41E-11	1.84E-10

ENSMUSG00000053289	DDX10	0.59646	0.090009	3.43E-11	1.85E-10
ENSMUSG00000068130	ZFP442	-1.18117	0.178328	3.51E-11	1.89E-10
ENSMUSG00000021519	MTERF3	-0.65331	0.098643	3.52E-11	1.90E-10
ENSMUSG00000026525	OPN3	0.982566	0.148362	3.53E-11	1.90E-10
ENSMUSG00000019437	TLCD1	-1.2449	0.188074	3.61E-11	1.95E-10
ENSMUSG00000036208	NEPRO	0.805396	0.12169	3.63E-11	1.96E-10
ENSMUSG00000036832	LPAR3	-1.83485	0.277403	3.73E-11	2.01E-10
ENSMUSG00000042605	ATXN2	-0.69604	0.10525	3.76E-11	2.03E-10
ENSMUSG00000041747	UTP15	0.666947	0.100852	3.76E-11	2.03E-10
ENSMUSG00000078974	SEC61G	0.776014	0.117412	3.86E-11	2.08E-10
ENSMUSG00000054808	ACTN4	0.549696	0.083181	3.88E-11	2.09E-10
ENSMUSG00000079557	Mar-02	0.636632	0.096337	3.89E-11	2.09E-10
ENSMUSG00000022146	OSMR	1.050796	0.159012	3.89E-11	2.09E-10
ENSMUSG00000017781	PITPNA	0.551151	0.083411	3.90E-11	2.10E-10
ENSMUSG00000029152	OCIAD1	0.554799	0.083966	3.91E-11	2.10E-10
ENSMUSG00000039840	EPG5	-0.65347	0.098914	3.94E-11	2.11E-10
ENSMUSG00000023967	MRPS18A	0.900543	0.136318	3.94E-11	2.12E-10
ENSMUSG00000023953	POLH	0.859056	0.130073	3.99E-11	2.14E-10
ENSMUSG00000092137	ENSMUSG0000C	-2.18537	0.330936	4.01E-11	2.15E-10
ENSMUSG00000028670	LYPLA2	0.578112	0.087577	4.08E-11	2.19E-10
ENSMUSG00000024096	RALBP1	0.545343	0.082614	4.08E-11	2.19E-10
ENSMUSG00000028098	RNF115	1.688545	0.255818	4.10E-11	2.19E-10
ENSMUSG00000031954	CFDP1	0.55872	0.084654	4.11E-11	2.20E-10
ENSMUSG00000044827	TLR1	1.900742	0.288015	4.13E-11	2.21E-10
ENSMUSG00000030304	ERGIC2	0.796611	0.120713	4.13E-11	2.21E-10
ENSMUSG00000033717	ADRA2A	3.460524	0.524387	4.13E-11	2.21E-10
ENSMUSG00000036155	MGAT5	-0.76709	0.116247	4.15E-11	2.22E-10
ENSMUSG00000038608	DOCK10	0.861698	0.130615	4.19E-11	2.24E-10
ENSMUSG00000029147	PPM1G	0.549795	0.083344	4.20E-11	2.25E-10
ENSMUSG00000028521	SLC35D1	-0.71416	0.108328	4.32E-11	2.31E-10
ENSMUSG00000021650	PTCD2	-0.55007	0.08345	4.35E-11	2.32E-10
ENSMUSG00000026072	IL1R1	0.805712	0.12224	4.36E-11	2.33E-10
ENSMUSG00000054871	TMEM158	1.524294	0.231268	4.37E-11	2.33E-10
ENSMUSG00000078552	DCDC2B	-1.3773	0.208966	4.37E-11	2.33E-10
ENSMUSG00000069049	EIF2S3Y	0.556492	0.084444	4.40E-11	2.34E-10
ENSMUSG00000034768	ASB16	-2.16845	0.32905	4.40E-11	2.34E-10
ENSMUSG00000058900	RSL1	-1.20534	0.182909	4.40E-11	2.35E-10
ENSMUSG00000029104	HTT	0.658186	0.099901	4.45E-11	2.37E-10
ENSMUSG00000021270	HSP90AA1	1.729754	0.262548	4.45E-11	2.37E-10
ENSMUSG00000030747	DGAT2	-1.79027	0.271737	4.45E-11	2.37E-10
ENSMUSG00000037341	SLC9A7	0.907175	0.137719	4.48E-11	2.39E-10
ENSMUSG00000018238	GDF9	2.269106	0.344587	4.55E-11	2.42E-10
ENSMUSG00000017221	PSMD3	0.551414	0.083745	4.57E-11	2.43E-10
ENSMUSG00000090124	UGT1A7C	1.406579	0.213743	4.68E-11	2.49E-10
ENSMUSG00000020889	NR1D1	-1.42589	0.216704	4.71E-11	2.50E-10
ENSMUSG00000032698	LMO2	-0.72637	0.110439	4.80E-11	2.55E-10
ENSMUSG00000036644	TBC1D9B	-0.7619	0.115874	4.86E-11	2.58E-10
ENSMUSG00000026678	RG55	-0.54511	0.082923	4.91E-11	2.60E-10
ENSMUSG00000028328	TMOD1	-0.76282	0.116065	4.95E-11	2.63E-10
ENSMUSG00000037458	AZIN1	1.042406	0.158634	4.99E-11	2.65E-10

ENSMUSG00000040282	BC052040	-1.27113	0.193448	5.00E-11	2.65E-10
ENSMUSG00000027210	MEIS2	-0.83889	0.127671	5.01E-11	2.65E-10
ENSMUSG00000004709	CD244A	2.683801	0.408466	5.02E-11	2.66E-10
ENSMUSG00000078879	ZFP973	-0.81605	0.124202	5.02E-11	2.66E-10
ENSMUSG00000045455	GM9797	6.329703	0.963454	5.04E-11	2.67E-10
ENSMUSG00000046541	ZFP526	-0.8156	0.124147	5.04E-11	2.67E-10
ENSMUSG00000022855	SENP2	0.55807	0.084948	5.05E-11	2.67E-10
ENSMUSG00000059890	UBE4A	0.960481	0.146227	5.09E-11	2.69E-10
ENSMUSG00000000303	CDH1	2.862758	0.435914	5.13E-11	2.71E-10
ENSMUSG00000078496	ZFP982	-1.48902	0.226787	5.18E-11	2.74E-10
ENSMUSG00000036158	PRICKLE1	-1.06586	0.162348	5.19E-11	2.75E-10
ENSMUSG00000007721	CCDC124	0.69525	0.105915	5.23E-11	2.76E-10
ENSMUSG00000033294	NOC4L	0.793659	0.12091	5.24E-11	2.77E-10
ENSMUSG00000025920	STAU2	-0.69342	0.105673	5.31E-11	2.80E-10
ENSMUSG00000075593	GAL3ST4	1.104506	0.168452	5.50E-11	2.90E-10
ENSMUSG00000037234	HOOK3	0.79016	0.120514	5.51E-11	2.90E-10
ENSMUSG00000027170	EIF3M	0.541866	0.082647	5.51E-11	2.91E-10
ENSMUSG00000037251	POMK	-0.79754	0.121652	5.53E-11	2.92E-10
ENSMUSG00000019987	ARG1	4.06034	0.619499	5.59E-11	2.95E-10
ENSMUSG000000105207	GM42927	-0.91033	0.138908	5.62E-11	2.96E-10
ENSMUSG00000025790	SLCO3A1	-0.61552	0.093941	5.67E-11	2.99E-10
ENSMUSG00000038663	FSD2	-1.46861	0.224178	5.71E-11	3.01E-10
ENSMUSG00000039910	CITED2	0.630938	0.096311	5.71E-11	3.01E-10
ENSMUSG00000034957	CEBPA	1.030424	0.157329	5.77E-11	3.04E-10
ENSMUSG00000048546	TOB2	-0.81222	0.124089	5.93E-11	3.12E-10
ENSMUSG00000038844	KIF16B	-0.56792	0.086772	5.95E-11	3.13E-10
ENSMUSG00000060012	KIF13B	-1.23202	0.188252	5.97E-11	3.14E-10
ENSMUSG00000025934	GSTA3	-1.04714	0.160011	5.98E-11	3.14E-10
ENSMUSG00000027894	SLC6A17	-1.95216	0.298372	6.04E-11	3.17E-10
ENSMUSG00000022358	FBXO32	-2.00485	0.306491	6.10E-11	3.20E-10
ENSMUSG00000068303	SPR-PS1	-1.739	0.26587	6.12E-11	3.21E-10
ENSMUSG00000089687	RAB42	-3.03414	0.463994	6.19E-11	3.25E-10
ENSMUSG00000051256	JAGN1	0.602268	0.092218	6.54E-11	3.43E-10
ENSMUSG00000039936	PIK3CD	0.941009	0.144088	6.54E-11	3.43E-10
ENSMUSG00000043964	ORAI3	-1.02997	0.157736	6.59E-11	3.46E-10
ENSMUSG00000060301	2610008E11RII	-0.62754	0.096125	6.65E-11	3.48E-10
ENSMUSG000000102416	4933424G06RI	3.000474	0.459665	6.69E-11	3.50E-10
ENSMUSG00000007411	MARK3	0.541335	0.082948	6.75E-11	3.53E-10
ENSMUSG00000061816	MYL1	0.843474	0.129246	6.75E-11	3.53E-10
ENSMUSG00000035745	GRIN3B	-1.60489	0.24599	6.84E-11	3.58E-10
ENSMUSG00000031431	TSC22D3	-0.60555	0.092819	6.85E-11	3.58E-10
ENSMUSG00000036820	AMDHD2	0.788027	0.120793	6.86E-11	3.59E-10
ENSMUSG00000050550	GM11868	0.853812	0.130938	7.00E-11	3.66E-10
ENSMUSG00000037003	TNS2	-0.57714	0.088514	7.02E-11	3.67E-10
ENSMUSG00000027514	ZBP1	1.707652	0.261901	7.02E-11	3.67E-10
ENSMUSG00000030881	ARFIP2	-0.77585	0.118994	7.03E-11	3.67E-10
ENSMUSG00000020903	STX8	0.69684	0.106879	7.04E-11	3.68E-10
ENSMUSG00000017466	TIMP2	-0.62226	0.095443	7.04E-11	3.68E-10
ENSMUSG00000002814	TOP3A	0.76944	0.118023	7.06E-11	3.69E-10
ENSMUSG00000024440	PCDH12	-0.93261	0.143055	7.07E-11	3.69E-10

ENSMUSG00000031574	STAR	1.55108	0.237942	7.09E-11	3.70E-10
ENSMUSG00000054814	USP46	-0.63951	0.098108	7.10E-11	3.70E-10
ENSMUSG00000063060	SOX7	-0.93877	0.144054	7.18E-11	3.75E-10
ENSMUSG00000018986	SLFN3	-1.11794	0.171565	7.22E-11	3.76E-10
ENSMUSG00000060923	ACYP2	0.670619	0.102917	7.22E-11	3.76E-10
ENSMUSG00000071078	NR2C2AP	1.074492	0.164959	7.33E-11	3.82E-10
ENSMUSG00000038388	MPP6	0.557278	0.085561	7.36E-11	3.83E-10
ENSMUSG00000040021	LATS1	0.679937	0.104393	7.36E-11	3.83E-10
ENSMUSG00000027079	CLP1	0.824521	0.12661	7.40E-11	3.85E-10
ENSMUSG00000024937	EHBP1L1	0.573032	0.087999	7.43E-11	3.86E-10
ENSMUSG00000035847	IDS	-0.83741	0.128604	7.44E-11	3.87E-10
ENSMUSG00000001472	TCF25	0.580406	0.089177	7.59E-11	3.95E-10
ENSMUSG00000020219	TIMM13	0.841463	0.129319	7.67E-11	3.99E-10
ENSMUSG00000079889	GM11951	3.034155	0.466466	7.79E-11	4.05E-10
ENSMUSG00000045095	MAGI1	0.645594	0.099254	7.80E-11	4.05E-10
ENSMUSG00000039410	PRDM16	-1.15111	0.177013	7.87E-11	4.09E-10
ENSMUSG00000042439	ZFP532	-1.02906	0.158371	8.15E-11	4.23E-10
ENSMUSG00000037145	2210407C18RII	2.146181	0.330523	8.40E-11	4.36E-10
ENSMUSG00000041684	BIVM	-1.35907	0.209402	8.57E-11	4.45E-10
ENSMUSG00000035790	CEP19	-0.88001	0.135601	8.60E-11	4.46E-10
ENSMUSG00000037196	PACRG	1.709312	0.263407	8.63E-11	4.47E-10
ENSMUSG00000048534	JAML	2.423683	0.373577	8.71E-11	4.52E-10
ENSMUSG00000021733	SLC4A7	-0.62748	0.096726	8.74E-11	4.53E-10
ENSMUSG00000000340	DBT	-0.68216	0.1052	8.91E-11	4.62E-10
ENSMUSG00000038784	CNOT4	-0.59025	0.091043	8.98E-11	4.65E-10
ENSMUSG000000110683	GM45874	-2.04226	0.31507	9.06E-11	4.69E-10
ENSMUSG00000050088	1600012H06RI	0.692495	0.106849	9.11E-11	4.71E-10
ENSMUSG00000010057	NPRL2	-0.71211	0.109988	9.52E-11	4.93E-10
ENSMUSG00000047371	ZFP768	-0.5479	0.084627	9.53E-11	4.93E-10
ENSMUSG00000022364	TBC1D31	-1.10972	0.171418	9.56E-11	4.94E-10
ENSMUSG00000051113	FAM71E1	1.690733	0.261261	9.71E-11	5.02E-10
ENSMUSG00000009079	EWSR1	0.783725	0.121126	9.78E-11	5.06E-10
ENSMUSG00000030745	IL21R	1.19472	0.184685	9.87E-11	5.10E-10
ENSMUSG00000027164	TRAF6	0.705045	0.109005	9.93E-11	5.13E-10
ENSMUSG00000055745	RTL6	-1.40639	0.217438	9.93E-11	5.13E-10
ENSMUSG00000045411	2410002F23RII	0.745157	0.115211	9.95E-11	5.14E-10
ENSMUSG00000052539	MAGI3	0.730982	0.113024	9.97E-11	5.14E-10
ENSMUSG00000043311	D17H6S53E	-0.72958	0.112835	1.01E-10	5.19E-10
ENSMUSG00000003752	ITPKC	1.395953	0.215899	1.01E-10	5.20E-10
ENSMUSG00000019494	COPS6	0.591585	0.091529	1.02E-10	5.28E-10
ENSMUSG00000030213	ATF7IP	1.034003	0.160002	1.03E-10	5.31E-10
ENSMUSG00000040026	SAA3	4.674919	0.723525	1.04E-10	5.35E-10
ENSMUSG00000061882	CCDC62	0.910154	0.140896	1.05E-10	5.40E-10
ENSMUSG00000039117	TAF4	-0.95722	0.148204	1.06E-10	5.43E-10
ENSMUSG00000062585	CNR2	1.329793	0.205928	1.06E-10	5.48E-10
ENSMUSG00000035086	BECN1	0.553417	0.085707	1.07E-10	5.49E-10
ENSMUSG00000083364	LLPH-PS2	1.052462	0.16302	1.07E-10	5.53E-10
ENSMUSG00000042406	ATF4	1.313848	0.203521	1.08E-10	5.54E-10
ENSMUSG00000057409	ZFP53	0.908051	0.140711	1.09E-10	5.63E-10
ENSMUSG00000045875	ADRA1A	-2.10629	0.326416	1.10E-10	5.65E-10

ENSMUSG00000025221	KCNIP2	-3.86049	0.598391	1.11E-10	5.69E-10
ENSMUSG00000039361	PICALM	1.006035	0.155958	1.11E-10	5.72E-10
ENSMUSG00000037731	THEMIS2	0.833774	0.129293	1.13E-10	5.79E-10
ENSMUSG00000041959	S100A10	1.17926	0.182878	1.13E-10	5.81E-10
ENSMUSG00000038811	GNGT2	0.742854	0.115206	1.13E-10	5.81E-10
ENSMUSG00000050373	SNX21	-0.67375	0.10449	1.13E-10	5.81E-10
ENSMUSG00000053838	NUDCD3	-0.53435	0.082882	1.14E-10	5.85E-10
ENSMUSG00000021809	NUDT13	-0.58235	0.09033	1.14E-10	5.85E-10
ENSMUSG00000025579	GAA	-0.71629	0.111165	1.17E-10	5.99E-10
ENSMUSG00000030555	TTC23	-1.02798	0.159551	1.17E-10	6.00E-10
ENSMUSG00000045466	ZFP956	0.951978	0.147764	1.17E-10	6.02E-10
ENSMUSG00000029591	UNG	-1.23752	0.192098	1.18E-10	6.03E-10
ENSMUSG00000022246	RAI14	1.469434	0.228116	1.18E-10	6.05E-10
ENSMUSG00000094472	GM21897	-1.03492	0.160703	1.19E-10	6.12E-10
ENSMUSG00000024516	SEC11C	0.615141	0.095531	1.20E-10	6.15E-10
ENSMUSG00000035283	ADRB1	-0.9649	0.149849	1.20E-10	6.15E-10
ENSMUSG00000014243	ZSWIM7	1.029231	0.15986	1.21E-10	6.18E-10
ENSMUSG00000060538	TMEM219	0.696836	0.108274	1.23E-10	6.28E-10
ENSMUSG00000034487	KDELC2	-1.22114	0.189809	1.25E-10	6.37E-10
ENSMUSG00000063511	SNRNP70	0.607746	0.094491	1.26E-10	6.45E-10
ENSMUSG00000026932	NACC2	-0.90311	0.140434	1.27E-10	6.48E-10
ENSMUSG00000051246	MSANTD1	1.696797	0.263905	1.28E-10	6.53E-10
ENSMUSG00000062232	RAPGEF2	-0.58523	0.091024	1.28E-10	6.54E-10
ENSMUSG00000029512	ULK1	-0.68402	0.106392	1.28E-10	6.54E-10
ENSMUSG00000042111	CCDC115	0.571348	0.088866	1.28E-10	6.54E-10
ENSMUSG00000020464	PNPT1	-0.60695	0.094437	1.30E-10	6.63E-10
ENSMUSG00000032601	PRKAR2A	-0.58719	0.091362	1.30E-10	6.63E-10
ENSMUSG00000045136	TUBB2B	1.5581	0.242475	1.31E-10	6.68E-10
ENSMUSG00000090795	GM7346	3.002095	0.467193	1.31E-10	6.68E-10
ENSMUSG00000046215	RPRML	3.02483	0.470892	1.33E-10	6.78E-10
ENSMUSG00000008575	NFIB	-0.53898	0.083913	1.34E-10	6.80E-10
ENSMUSG00000034674	TDG	0.712174	0.110912	1.35E-10	6.89E-10
ENSMUSG00000035969	RUSC2	1.003673	0.156355	1.37E-10	6.97E-10
ENSMUSG00000032952	AP4B1	0.568187	0.088517	1.37E-10	6.98E-10
ENSMUSG00000024331	DSC2	-1.30286	0.202982	1.38E-10	6.99E-10
ENSMUSG00000032562	GNAI2	0.526692	0.08206	1.38E-10	7.01E-10
ENSMUSG00000020674	PXDN	-0.99178	0.154534	1.38E-10	7.03E-10
ENSMUSG000000101111	GM28437	-1.08253	0.168709	1.39E-10	7.08E-10
ENSMUSG00000022351	SQLE	0.981349	0.152961	1.40E-10	7.12E-10
ENSMUSG00000019873	REEP3	0.539814	0.084164	1.42E-10	7.21E-10
ENSMUSG00000070802	PNMAL2	-2.06163	0.321491	1.43E-10	7.26E-10
ENSMUSG00000044340	PHLPP1	-1.06543	0.166149	1.43E-10	7.27E-10
ENSMUSG00000033174	MGLL	-0.55173	0.086069	1.45E-10	7.37E-10
ENSMUSG00000049728	ZFP668	0.915982	0.142946	1.48E-10	7.49E-10
ENSMUSG00000048027	RGMB	-0.8693	0.135675	1.48E-10	7.51E-10
ENSMUSG00000021831	ERO1L	1.041023	0.162496	1.49E-10	7.55E-10
ENSMUSG00000023571	C1QTNF12	0.88362	0.137999	1.52E-10	7.72E-10
ENSMUSG00000057058	SKAP1	-2.17667	0.340033	1.54E-10	7.80E-10
ENSMUSG00000031441	ATP11A	-0.89947	0.140528	1.55E-10	7.84E-10
ENSMUSG00000040563	PLPPR2	-0.91402	0.142823	1.56E-10	7.89E-10

ENSMUSG00000022831	HCLS1	1.287618	0.201225	1.56E-10	7.92E-10
ENSMUSG00000033991	TTC37	0.769521	0.120269	1.57E-10	7.95E-10
ENSMUSG00000026872	ZEB2	0.639817	0.100013	1.58E-10	7.99E-10
ENSMUSG00000020952	SCFD1	0.551229	0.086171	1.59E-10	8.01E-10
ENSMUSG00000026078	PDCL3	0.598044	0.0935	1.59E-10	8.05E-10
ENSMUSG00000025586	CPEB1	-0.73317	0.114674	1.62E-10	8.19E-10
ENSMUSG00000018425	DHX40	0.734648	0.114911	1.62E-10	8.21E-10
ENSMUSG00000032021	CRTAM	3.831332	0.599424	1.64E-10	8.28E-10
ENSMUSG00000020990	CDKL1	-0.93808	0.146812	1.66E-10	8.39E-10
ENSMUSG00000070336	FBXO47	2.582475	0.404218	1.67E-10	8.43E-10
ENSMUSG00000005124	WISP1	1.434667	0.224635	1.70E-10	8.55E-10
ENSMUSG00000037935	SMARCE1	0.569692	0.089222	1.71E-10	8.64E-10
ENSMUSG00000022102	DOK2	1.704165	0.266916	1.72E-10	8.66E-10
ENSMUSG00000046532	AR	-1.29569	0.202987	1.74E-10	8.75E-10
ENSMUSG00000098134	RNF113A2	0.641855	0.10058	1.75E-10	8.83E-10
ENSMUSG00000030655	SMG1	0.73195	0.114752	1.79E-10	9.01E-10
ENSMUSG00000071654	UQCC3	0.828631	0.129926	1.80E-10	9.05E-10
ENSMUSG00000079597	GM5483	3.837944	0.601785	1.80E-10	9.06E-10
ENSMUSG00000068129	CST7	2.925945	0.458801	1.80E-10	9.07E-10
ENSMUSG00000068882	SSB	0.534176	0.083771	1.81E-10	9.11E-10
ENSMUSG00000038181	CHPF2	1.541326	0.241717	1.81E-10	9.11E-10
ENSMUSG00000024118	TEDC2	1.081906	0.169671	1.81E-10	9.11E-10
ENSMUSG00000034055	PHKA1	-0.53889	0.084523	1.82E-10	9.15E-10
ENSMUSG00000038762	ABCF1	0.542918	0.08518	1.84E-10	9.26E-10
ENSMUSG00000033096	APMAP	0.650849	0.102122	1.85E-10	9.29E-10
ENSMUSG00000031681	SMAD1	0.84468	0.132546	1.86E-10	9.32E-10
ENSMUSG00000049090	ZADH2	-0.52797	0.08285	1.86E-10	9.33E-10
ENSMUSG00000020116	PNO1	0.55248	0.086705	1.87E-10	9.36E-10
ENSMUSG00000006276	EPS15L1	-0.53887	0.084574	1.87E-10	9.38E-10
ENSMUSG00000052397	EZR	-0.85323	0.133913	1.87E-10	9.38E-10
ENSMUSG00000001542	ELL2	1.124136	0.176443	1.88E-10	9.40E-10
ENSMUSG00000054404	SLFN5	-0.54689	0.085843	1.88E-10	9.42E-10
ENSMUSG00000023153	TMEM52	-2.19051	0.343837	1.88E-10	9.42E-10
ENSMUSG00000033405	NUDT15	-0.83408	0.130924	1.88E-10	9.42E-10
ENSMUSG00000027962	VCAM1	0.669389	0.105108	1.91E-10	9.55E-10
ENSMUSG00000026873	PHF19	1.250683	0.196396	1.91E-10	9.57E-10
ENSMUSG00000025650	COL7A1	1.616754	0.253897	1.92E-10	9.60E-10
ENSMUSG00000038437	MLLT6	-0.54269	0.085239	1.93E-10	9.66E-10
ENSMUSG00000027937	JTB	0.538781	0.084634	1.94E-10	9.70E-10
ENSMUSG00000047242	TAF9B	-0.68633	0.107829	1.95E-10	9.76E-10
ENSMUSG00000026087	MRPL30	0.533349	0.08385	2.01E-10	1.00E-09
ENSMUSG00000027222	PEX16	0.591689	0.093034	2.02E-10	1.01E-09
ENSMUSG00000038848	YTHDF1	0.542588	0.085316	2.02E-10	1.01E-09
ENSMUSG00000000001	GNAI3	0.558856	0.087888	2.03E-10	1.02E-09
ENSMUSG00000029097	TRMT44	0.990386	0.155756	2.04E-10	1.02E-09
ENSMUSG00000026721	RABGAP1L	-0.90056	0.141633	2.04E-10	1.02E-09
ENSMUSG00000031700	GPT2	-1.49065	0.234437	2.04E-10	1.02E-09
ENSMUSG00000004462	TBCCD1	-0.69752	0.109727	2.06E-10	1.03E-09
ENSMUSG00000079084	CCDC82	0.588065	0.092521	2.07E-10	1.03E-09
ENSMUSG00000078932	CN725425	-1.61606	0.254308	2.09E-10	1.04E-09

ENSMUSG000000109926	GM45808	-4.36923	0.687587	2.09E-10	1.04E-09
ENSMUSG000000062329	CYTL1	-1.73968	0.273808	2.10E-10	1.05E-09
ENSMUSG000000031255	SYTL4	-1.34345	0.211497	2.12E-10	1.06E-09
ENSMUSG000000042167	TENT2	0.605082	0.095262	2.13E-10	1.06E-09
ENSMUSG000000006519	CYBA	1.009659	0.159026	2.17E-10	1.08E-09
ENSMUSG000000035206	SPPL2B	-1.05883	0.166777	2.17E-10	1.08E-09
ENSMUSG000000066640	FBXL18	0.738019	0.116252	2.17E-10	1.08E-09
ENSMUSG000000069516	LYZ2	1.027072	0.161792	2.18E-10	1.08E-09
ENSMUSG000000054708	ANKRD24	-1.26632	0.19949	2.18E-10	1.09E-09
ENSMUSG000000053334	FICD	-0.69761	0.109918	2.20E-10	1.09E-09
ENSMUSG000000030556	LRRC28	0.877431	0.138254	2.20E-10	1.09E-09
ENSMUSG000000072501	PHF20L1	-0.5274	0.08312	2.22E-10	1.10E-09
ENSMUSG000000046722	CDC42SE1	0.750479	0.118324	2.26E-10	1.12E-09
ENSMUSG000000056204	PGPEP1	-1.07113	0.168884	2.26E-10	1.12E-09
ENSMUSG000000034683	PPP1R1C	2.771319	0.436957	2.26E-10	1.12E-09
ENSMUSG000000020956	DTD2	0.667823	0.105325	2.29E-10	1.14E-09
ENSMUSG000000031479	VPS36	0.780261	0.123068	2.30E-10	1.14E-09
ENSMUSG000000003476	CRHR2	-0.86976	0.137211	2.31E-10	1.15E-09
ENSMUSG000000004934	PIAS4	0.653018	0.103034	2.33E-10	1.15E-09
ENSMUSG000000038530	RGS4	-0.69805	0.110139	2.33E-10	1.15E-09
ENSMUSG000000044258	CTLA2A	1.700845	0.268395	2.34E-10	1.16E-09
ENSMUSG000000109882	GM18706	-3.0494	0.481245	2.35E-10	1.16E-09
ENSMUSG000000038866	ZCCHC2	0.65849	0.103935	2.36E-10	1.17E-09
ENSMUSG000000049354	DCAF7	-0.53179	0.083952	2.38E-10	1.18E-09
ENSMUSG000000037946	FGD3	1.364733	0.215507	2.41E-10	1.19E-09
ENSMUSG000000064246	CHIL1	2.505049	0.395574	2.41E-10	1.19E-09
ENSMUSG000000061802	ARMC4	2.991896	0.472476	2.41E-10	1.19E-09
ENSMUSG000000020331	HCN2	-1.40501	0.221972	2.46E-10	1.21E-09
ENSMUSG000000035898	UBA6	0.637224	0.100674	2.46E-10	1.21E-09
ENSMUSG000000020440	ARF5	0.526189	0.083149	2.48E-10	1.22E-09
ENSMUSG000000062038	GM10108	0.760074	0.120139	2.51E-10	1.24E-09
ENSMUSG000000020961	STON2	-1.75816	0.27792	2.51E-10	1.24E-09
ENSMUSG000000031563	WWC2	0.521333	0.082411	2.52E-10	1.24E-09
ENSMUSG000000033326	KDM4A	-0.68345	0.108038	2.52E-10	1.24E-09
ENSMUSG000000001105	IFT20	0.554375	0.087636	2.52E-10	1.24E-09
ENSMUSG000000062519	ZFP398	-0.8067	0.127581	2.56E-10	1.26E-09
ENSMUSG000000033039	MICALL1	-0.58042	0.091816	2.59E-10	1.28E-09
ENSMUSG000000003437	PAF1	0.560729	0.088711	2.60E-10	1.28E-09
ENSMUSG000000003934	EFNB3	-3.22334	0.510101	2.63E-10	1.30E-09
ENSMUSG000000048351	COA7	0.773416	0.122406	2.64E-10	1.30E-09
ENSMUSG000000004667	POLR2E	0.91111	0.144202	2.64E-10	1.30E-09
ENSMUSG000000038068	RNF144B	-1.26918	0.200874	2.65E-10	1.30E-09
ENSMUSG000000028992	NMNAT1	-0.6987	0.110589	2.65E-10	1.30E-09
ENSMUSG000000040414	SLC25A28	0.645204	0.102135	2.66E-10	1.31E-09
ENSMUSG000000027067	SSRP1	0.705819	0.111738	2.67E-10	1.31E-09
ENSMUSG000000069893	9930111J21RIK	-2.01436	0.318908	2.68E-10	1.32E-09
ENSMUSG000000024782	AK3	-0.90201	0.142814	2.68E-10	1.32E-09
ENSMUSG000000024675	MS4A4C	2.383832	0.377545	2.72E-10	1.34E-09
ENSMUSG000000044854	1700056E22RII	1.168251	0.185033	2.72E-10	1.34E-09
ENSMUSG000000022221	RIPK3	1.072234	0.169903	2.77E-10	1.36E-09

ENSMUSG00000070867	TRABD2B	-1.45663	0.230868	2.80E-10	1.38E-09
ENSMUSG00000074899	SPTBN5	1.111098	0.176104	2.80E-10	1.38E-09
ENSMUSG00000042302	EHBP1	-0.81003	0.128394	2.81E-10	1.38E-09
ENSMUSG00000074794	ARRDC3	-0.61428	0.097389	2.84E-10	1.39E-09
ENSMUSG00000031756	CENPN	1.210767	0.191996	2.86E-10	1.40E-09
ENSMUSG00000087204	1700073E17RII	-3.02934	0.480383	2.86E-10	1.40E-09
ENSMUSG00000022853	EHHADH	-2.03154	0.32223	2.89E-10	1.42E-09
ENSMUSG00000038085	CNBD2	0.686598	0.108904	2.89E-10	1.42E-09
ENSMUSG00000022283	PABPC1	0.534649	0.08481	2.90E-10	1.42E-09
ENSMUSG00000078348	SF3B5	0.731516	0.116049	2.91E-10	1.42E-09
ENSMUSG00000025759	MFSD8	-0.77756	0.123371	2.93E-10	1.43E-09
ENSMUSG00000095686	GM3099	3.147265	0.499389	2.93E-10	1.44E-09
ENSMUSG000000108023	GM44245	1.920642	0.304796	2.95E-10	1.44E-09
ENSMUSG00000050075	GPR171	2.542045	0.403421	2.95E-10	1.44E-09
ENSMUSG00000037572	WDHD1	1.125876	0.1787	2.97E-10	1.45E-09
ENSMUSG00000033633	CLEC18A	-1.55354	0.246585	2.97E-10	1.45E-09
ENSMUSG00000019432	DDX39B	0.676594	0.1074	2.98E-10	1.46E-09
ENSMUSG00000025314	PTPRJ	0.958396	0.152146	2.99E-10	1.46E-09
ENSMUSG00000027244	ATG13	0.690089	0.109557	3.00E-10	1.46E-09
ENSMUSG00000044279	CRB3	1.858259	0.295055	3.01E-10	1.47E-09
ENSMUSG00000026399	CD55	-1.04131	0.165387	3.05E-10	1.49E-09
ENSMUSG00000030536	IQGAP1	0.58281	0.092565	3.05E-10	1.49E-09
ENSMUSG00000078945	NAIP2	1.053719	0.167356	3.05E-10	1.49E-09
ENSMUSG00000038611	PHRF1	0.785534	0.124791	3.08E-10	1.50E-09
ENSMUSG00000015217	HMGB3	-0.53966	0.085744	3.10E-10	1.51E-09
ENSMUSG00000025857	DNAAF5	-0.70855	0.112627	3.15E-10	1.54E-09
ENSMUSG00000066643	WDR35	-0.67894	0.10792	3.15E-10	1.54E-09
ENSMUSG00000038843	GCNT1	0.786304	0.124987	3.15E-10	1.54E-09
ENSMUSG00000020456	OGDH	-0.88618	0.140868	3.16E-10	1.54E-09
ENSMUSG00000041650	PCCA	-1.22696	0.195053	3.17E-10	1.54E-09
ENSMUSG00000005881	ERGIC3	0.568172	0.09035	3.20E-10	1.56E-09
ENSMUSG000000102037	BCL2A1A	3.681896	0.585687	3.25E-10	1.58E-09
ENSMUSG000000103964	GM8407	2.959028	0.470705	3.25E-10	1.58E-09
ENSMUSG00000031309	RPS6KA3	0.697011	0.110883	3.26E-10	1.58E-09
ENSMUSG00000026333	GIN1	0.813905	0.129493	3.27E-10	1.59E-09
ENSMUSG00000029290	ZFP326	0.610041	0.097111	3.34E-10	1.63E-09
ENSMUSG00000040043	RBMS2	-0.51881	0.082588	3.34E-10	1.63E-09
ENSMUSG00000030386	ZFP606	-0.95136	0.151462	3.36E-10	1.63E-09
ENSMUSG00000032194	KANK2	-1.01358	0.161403	3.39E-10	1.65E-09
ENSMUSG00000021982	CDADC1	0.523782	0.083428	3.42E-10	1.66E-09
ENSMUSG00000070705	EID2B	-0.70163	0.111803	3.48E-10	1.69E-09
ENSMUSG00000024737	SLC15A3	1.667384	0.265767	3.52E-10	1.71E-09
ENSMUSG00000043065	SPICE1	-1.40944	0.224764	3.59E-10	1.74E-09
ENSMUSG00000060509	XCR1	1.420212	0.226572	3.65E-10	1.77E-09
ENSMUSG00000055407	MAP6	0.781064	0.124638	3.69E-10	1.79E-09
ENSMUSG00000038000	ACD	0.616806	0.098476	3.76E-10	1.82E-09
ENSMUSG00000047953	GP5	2.618215	0.418115	3.80E-10	1.84E-09
ENSMUSG00000027650	TTI1	-0.60238	0.096201	3.81E-10	1.84E-09
ENSMUSG00000028145	THEM4	-0.65458	0.104548	3.82E-10	1.85E-09
ENSMUSG00000032279	IDH3A	-0.66171	0.105696	3.84E-10	1.86E-09

ENSMUSG00000030421	URI1	0.665486	0.10632	3.87E-10	1.87E-09
ENSMUSG00000032739	PRAM1	1.324409	0.211632	3.90E-10	1.89E-09
ENSMUSG00000038011	DNAH10	2.617963	0.41844	3.94E-10	1.90E-09
ENSMUSG00000004798	ULK2	-0.6326	0.101112	3.94E-10	1.90E-09
ENSMUSG00000030086	CHCHD6	0.64631	0.103322	3.97E-10	1.92E-09
ENSMUSG00000008658	RBFOX1	-2.60842	0.417168	4.03E-10	1.95E-09
ENSMUSG00000039765	CC2D2A	-2.41891	0.386909	4.06E-10	1.96E-09
ENSMUSG00000028901	GMEB1	0.676343	0.1082	4.08E-10	1.97E-09
ENSMUSG00000020067	MYPN	-1.02014	0.163226	4.11E-10	1.98E-09
ENSMUSG00000058318	PHF21A	-0.84913	0.135872	4.12E-10	1.99E-09
ENSMUSG00000017817	JPH2	-0.55606	0.088982	4.13E-10	1.99E-09
ENSMUSG00000073423	ZFP414	0.682054	0.109164	4.16E-10	2.01E-09
ENSMUSG00000041530	AGO1	-0.7904	0.126516	4.17E-10	2.01E-09
ENSMUSG00000071072	PTGES3	0.560846	0.089774	4.18E-10	2.01E-09
ENSMUSG00000056770	SETD3	0.517758	0.08288	4.18E-10	2.02E-09
ENSMUSG00000079652	FAM71F2	2.51542	0.402677	4.19E-10	2.02E-09
ENSMUSG00000033781	ASB13	-0.9085	0.145451	4.21E-10	2.03E-09
ENSMUSG00000044165	BCL2L15	2.858579	0.457678	4.22E-10	2.03E-09
ENSMUSG00000034573	PTPN13	-1.18369	0.18953	4.23E-10	2.04E-09
ENSMUSG00000034940	SYNRG	0.696673	0.111608	4.32E-10	2.08E-09
ENSMUSG00000030789	ITGAX	2.04495	0.327674	4.35E-10	2.09E-09
ENSMUSG00000073598	1700066B19RII	1.798934	0.288256	4.35E-10	2.10E-09
ENSMUSG00000038344	TXLNG	0.608602	0.097526	4.36E-10	2.10E-09
ENSMUSG00000096923	A730071L15RII	3.178148	0.509572	4.46E-10	2.15E-09
ENSMUSG00000061046	HAGHL	0.658688	0.105622	4.48E-10	2.15E-09
ENSMUSG00000029190	D5ERTD579E	-0.52317	0.083894	4.48E-10	2.16E-09
ENSMUSG00000030110	RET	-0.82243	0.131882	4.49E-10	2.16E-09
ENSMUSG00000025068	GSTO1	0.51434	0.082495	4.52E-10	2.17E-09
ENSMUSG00000062563	CYS1	-1.28485	0.20608	4.52E-10	2.17E-09
ENSMUSG00000020300	CPEB4	0.747418	0.119895	4.55E-10	2.18E-09
ENSMUSG00000030825	HSD17B14	-2.20225	0.353311	4.57E-10	2.19E-09
ENSMUSG00000090264	EIF4EBP3	1.566067	0.251317	4.62E-10	2.22E-09
ENSMUSG00000042734	TTC9	1.466181	0.235352	4.67E-10	2.24E-09
ENSMUSG00000039105	ATP6V1G1	0.672728	0.107989	4.68E-10	2.24E-09
ENSMUSG00000042251	PM20D1	-1.14168	0.183267	4.68E-10	2.24E-09
ENSMUSG00000027341	TMEM230	0.554071	0.088957	4.71E-10	2.26E-09
ENSMUSG00000030630	FAH	-1.21057	0.194371	4.72E-10	2.26E-09
ENSMUSG00000035181	HEATR5A	-0.57992	0.093114	4.72E-10	2.26E-09
ENSMUSG00000030708	DNAJB13	1.588034	0.254988	4.73E-10	2.26E-09
ENSMUSG00000026730	PTER	-1.27545	0.20485	4.78E-10	2.29E-09
ENSMUSG00000024228	NUDT12	-0.73815	0.118566	4.80E-10	2.29E-09
ENSMUSG00000034175	RHBDD3	-0.77728	0.124871	4.83E-10	2.31E-09
ENSMUSG00000025014	DNTT	2.935278	0.471598	4.84E-10	2.31E-09
ENSMUSG00000040552	C3AR1	1.594213	0.256235	4.92E-10	2.35E-09
ENSMUSG00000044811	CD300C2	1.842404	0.296153	4.94E-10	2.36E-09
ENSMUSG00000042010	ACACB	-0.94761	0.152331	4.95E-10	2.36E-09
ENSMUSG00000029524	SIRT4	-0.75192	0.120884	4.97E-10	2.37E-09
ENSMUSG00000049551	FZD9	-1.48665	0.239058	5.01E-10	2.39E-09
ENSMUSG00000036019	TMTC2	-1.25782	0.202344	5.09E-10	2.43E-09
ENSMUSG00000073856	IQCK	2.17108	0.349349	5.14E-10	2.45E-09

ENSMUSG00000019951	UHRF1BP1L	0.523551	0.084308	5.30E-10	2.53E-09
ENSMUSG00000027875	HMGCS2	-1.57194	0.25326	5.41E-10	2.58E-09
ENSMUSG00000026774	4931423N10RI	3.226762	0.519884	5.41E-10	2.58E-09
ENSMUSG00000025410	DCTN2	0.549519	0.088541	5.42E-10	2.58E-09
ENSMUSG00000078695	CISD3	0.761211	0.122707	5.52E-10	2.63E-09
ENSMUSG00000070436	SERPINH1	-0.59538	0.09599	5.56E-10	2.64E-09
ENSMUSG00000015971	ACTR8	-0.54282	0.087519	5.56E-10	2.65E-09
ENSMUSG00000015377	DENND6B	0.660008	0.106419	5.58E-10	2.65E-09
ENSMUSG00000035545	LENG8	-0.5526	0.089121	5.63E-10	2.68E-09
ENSMUSG00000030094	XPC	0.607962	0.098069	5.67E-10	2.70E-09
ENSMUSG00000042828	TRIM72	-0.56536	0.091196	5.67E-10	2.70E-09
ENSMUSG00000028869	GNL2	0.873268	0.140885	5.70E-10	2.71E-09
ENSMUSG00000031165	WAS	1.08818	0.175661	5.84E-10	2.77E-09
ENSMUSG00000028552	EPS15	0.547751	0.08846	5.94E-10	2.82E-09
ENSMUSG00000057967	FGF18	-1.08209	0.174806	6.01E-10	2.85E-09
ENSMUSG00000030987	STIM1	-0.64483	0.104176	6.02E-10	2.86E-09
ENSMUSG00000030232	AEBP2	0.663586	0.107227	6.07E-10	2.88E-09
ENSMUSG00000031134	RBMX	-0.52584	0.084982	6.11E-10	2.90E-09
ENSMUSG00000024742	FEN1	1.037576	0.16772	6.16E-10	2.92E-09
ENSMUSG00000026304	RAB17	-2.54784	0.411967	6.23E-10	2.95E-09
ENSMUSG00000005417	MPRIIP	0.530409	0.085766	6.24E-10	2.96E-09
ENSMUSG00000038740	MVB12B	-0.73959	0.119591	6.24E-10	2.96E-09
ENSMUSG00000031939	TAF1D	0.785858	0.127076	6.24E-10	2.96E-09
ENSMUSG00000006585	CDT1	1.859548	0.300698	6.25E-10	2.96E-09
ENSMUSG00000027430	DTD1	-0.765	0.123716	6.27E-10	2.97E-09
ENSMUSG00000018921	PELP1	0.56143	0.090806	6.30E-10	2.98E-09
ENSMUSG00000037548	H2-DMB2	1.501859	0.242927	6.32E-10	2.99E-09
ENSMUSG00000006411	NECTIN4	1.484593	0.240142	6.32E-10	2.99E-09
ENSMUSG00000027994	MCUB	1.458856	0.236006	6.35E-10	3.00E-09
ENSMUSG00000024076	VIT	-1.69992	0.275015	6.36E-10	3.01E-09
ENSMUSG00000028958	TMUB1	0.630447	0.102005	6.39E-10	3.02E-09
ENSMUSG00000035151	ELMOD2	-0.63956	0.10349	6.41E-10	3.03E-09
ENSMUSG00000018861	FDXR	0.761457	0.12327	6.53E-10	3.08E-09
ENSMUSG00000028273	PDLIM5	0.590569	0.095626	6.58E-10	3.11E-09
ENSMUSG00000031557	PLEKHA2	-0.6549	0.10605	6.60E-10	3.11E-09
ENSMUSG00000027327	1700037H04RI	0.752526	0.121863	6.61E-10	3.12E-09
ENSMUSG00000002900	LAMB1	-0.59446	0.096277	6.64E-10	3.13E-09
ENSMUSG00000043424	EIF3J2	1.061011	0.17189	6.72E-10	3.17E-09
ENSMUSG00000050840	CDH20	-3.56601	0.577856	6.78E-10	3.20E-09
ENSMUSG00000074179	GM10639	1.297594	0.210293	6.81E-10	3.21E-09
ENSMUSG00000008813	TPPP2	2.929533	0.474882	6.87E-10	3.24E-09
ENSMUSG00000030180	KDM5A	0.787931	0.127744	6.91E-10	3.26E-09
ENSMUSG00000048799	CEP120	-0.53406	0.086656	7.14E-10	3.36E-09
ENSMUSG00000018572	PHF23	0.557594	0.090493	7.20E-10	3.39E-09
ENSMUSG00000040322	SLC25A24	0.773175	0.125501	7.24E-10	3.41E-09
ENSMUSG00000037098	RAB11FIP3	-0.54478	0.088434	7.26E-10	3.41E-09
ENSMUSG00000006262	MOB1B	0.95373	0.154856	7.33E-10	3.45E-09
ENSMUSG00000022295	ATP6V1C1	0.713078	0.115793	7.36E-10	3.46E-09
ENSMUSG00000030751	PSMA1	0.507526	0.082434	7.43E-10	3.49E-09
ENSMUSG00000063450	SYNE2	-0.71904	0.116799	7.45E-10	3.50E-09

ENSMUSG00000047989	INO80C	0.550707	0.089461	7.47E-10	3.51E-09
ENSMUSG00000022488	NCKAP1L	1.126074	0.182945	7.50E-10	3.52E-09
ENSMUSG00000025170	RAB40B	-1.78995	0.290904	7.60E-10	3.57E-09
ENSMUSG00000031400	G6PDX	0.900722	0.146437	7.70E-10	3.62E-09
ENSMUSG00000025537	PHKG1	-2.09243	0.340215	7.73E-10	3.63E-09
ENSMUSG00000028789	AZIN2	0.92066	0.149809	7.97E-10	3.74E-09
ENSMUSG00000094437	GM9830	1.136605	0.184988	8.04E-10	3.77E-09
ENSMUSG00000051747	TTN	0.504745	0.082163	8.09E-10	3.79E-09
ENSMUSG00000078716	TMEM8B	-0.63117	0.102773	8.18E-10	3.83E-09
ENSMUSG00000030754	COPB1	0.525145	0.085521	8.23E-10	3.85E-09
ENSMUSG00000044221	GRSF1	-0.69931	0.113918	8.32E-10	3.90E-09
ENSMUSG00000046826	FAM187B	2.703758	0.440543	8.39E-10	3.93E-09
ENSMUSG00000020706	FTSJ3	0.623119	0.101549	8.45E-10	3.96E-09
ENSMUSG00000079293	CLEC7A	2.135897	0.348241	8.60E-10	4.03E-09
ENSMUSG00000048232	FBXO10	-1.5079	0.245934	8.71E-10	4.08E-09
ENSMUSG00000030876	METTL9	0.516356	0.084226	8.76E-10	4.10E-09
ENSMUSG00000020333	ACSL6	-1.13302	0.184846	8.81E-10	4.12E-09
ENSMUSG00000040722	SCAMP5	-0.98825	0.161239	8.84E-10	4.13E-09
ENSMUSG00000024431	NR3C1	-0.54706	0.089257	8.84E-10	4.13E-09
ENSMUSG00000024081	CEBPZ	0.514388	0.083928	8.85E-10	4.14E-09
ENSMUSG00000013974	MCEMP1	3.59611	0.586817	8.89E-10	4.15E-09
ENSMUSG000000101708	GM28453	3.855482	0.629286	8.97E-10	4.19E-09
ENSMUSG00000039759	THAP3	-0.91445	0.149292	9.05E-10	4.23E-09
ENSMUSG00000014905	DNAJB9	0.512177	0.083624	9.08E-10	4.24E-09
ENSMUSG00000048503	TMEM136	0.975021	0.159204	9.10E-10	4.25E-09
ENSMUSG00000072647	ADAM1A	-0.92706	0.151421	9.22E-10	4.30E-09
ENSMUSG00000025058	5430427O19RI	1.503558	0.245586	9.22E-10	4.30E-09
ENSMUSG00000065990	AURKAIP1	0.823144	0.13445	9.22E-10	4.30E-09
ENSMUSG00000040562	GSTM2	0.815653	0.133251	9.29E-10	4.33E-09
ENSMUSG00000061894	ZSCAN20	-0.82898	0.135452	9.35E-10	4.36E-09
ENSMUSG00000034652	CD300A	0.848717	0.138713	9.45E-10	4.40E-09
ENSMUSG00000049760	2410015M20R	0.846494	0.138408	9.60E-10	4.47E-09
ENSMUSG00000024754	CEMIP2	0.58505	0.095668	9.63E-10	4.48E-09
ENSMUSG00000026154	SDHAF4	-0.66657	0.109011	9.67E-10	4.50E-09
ENSMUSG00000061458	NOL10	0.639667	0.104668	9.88E-10	4.59E-09
ENSMUSG00000026107	NABP1	0.742331	0.12149	9.95E-10	4.63E-09
ENSMUSG00000017491	RARB	-0.89432	0.146386	1.00E-09	4.65E-09
ENSMUSG00000039262	PRRC2B	-0.59865	0.098009	1.01E-09	4.69E-09
ENSMUSG00000044139	PRSS53	-1.51574	0.248152	1.01E-09	4.69E-09
ENSMUSG00000028012	RRH	2.413819	0.395245	1.01E-09	4.71E-09
ENSMUSG00000042308	SETD1A	0.719278	0.117797	1.02E-09	4.74E-09
ENSMUSG00000042826	FGF11	-0.94878	0.155391	1.02E-09	4.75E-09
ENSMUSG00000028036	PTGFR	-2.26713	0.37145	1.04E-09	4.82E-09
ENSMUSG00000027796	SMAD9	-1.30762	0.214334	1.06E-09	4.90E-09
ENSMUSG00000059714	FLOT1	0.503858	0.082589	1.06E-09	4.90E-09
ENSMUSG00000042817	FLT3	2.179981	0.357335	1.06E-09	4.90E-09
ENSMUSG00000021974	FGF9	-2.01363	0.330121	1.06E-09	4.93E-09
ENSMUSG00000041977	ARHGEF11	-0.71841	0.117822	1.08E-09	5.00E-09
ENSMUSG00000025746	IL6	5.645829	0.926094	1.08E-09	5.03E-09
ENSMUSG00000005534	INSR	-0.76597	0.125695	1.10E-09	5.11E-09

ENSMUSG00000022022	MTRF1	-0.65246	0.107082	1.11E-09	5.13E-09
ENSMUSG00000053347	ZFP943	-0.68619	0.112624	1.11E-09	5.14E-09
ENSMUSG00000050188	LSM10	-0.77068	0.126543	1.13E-09	5.22E-09
ENSMUSG00000024816	FRMD8	0.921385	0.151312	1.13E-09	5.25E-09
ENSMUSG00000020696	RFFL	0.723334	0.118803	1.14E-09	5.27E-09
ENSMUSG00000054428	ATPIF1	0.610473	0.100276	1.14E-09	5.29E-09
ENSMUSG00000041515	IRF8	1.088244	0.178839	1.16E-09	5.38E-09
ENSMUSG00000044949	UBTD2	0.935209	0.153701	1.17E-09	5.40E-09
ENSMUSG00000035024	NCAPD3	-0.59604	0.09798	1.18E-09	5.44E-09
ENSMUSG00000054939	ZFP174	-1.01287	0.166503	1.18E-09	5.44E-09
ENSMUSG00000040586	OFD1	0.594281	0.097717	1.19E-09	5.49E-09
ENSMUSG00000027313	CHAC1	-1.12103	0.184359	1.20E-09	5.53E-09
ENSMUSG00000004268	EMG1	0.508728	0.083696	1.21E-09	5.61E-09
ENSMUSG00000074867	ZFP808	-1.33621	0.219839	1.22E-09	5.61E-09
ENSMUSG00000028191	BCL10	0.551084	0.090668	1.22E-09	5.61E-09
ENSMUSG00000019992	MTFR2	1.897331	0.312194	1.22E-09	5.63E-09
ENSMUSG00000049225	PDP1	-0.7059	0.11616	1.23E-09	5.65E-09
ENSMUSG00000038526	CAR14	-1.35746	0.223386	1.23E-09	5.65E-09
ENSMUSG00000041287	SOX15	3.084832	0.507692	1.23E-09	5.67E-09
ENSMUSG00000048277	SYNGR2	-1.20705	0.198739	1.25E-09	5.77E-09
ENSMUSG00000060227	CASC4	-0.70405	0.115922	1.25E-09	5.77E-09
ENSMUSG00000040345	ARHGAP9	0.743946	0.122551	1.28E-09	5.87E-09
ENSMUSG00000024905	TESMIN	-1.04935	0.17287	1.28E-09	5.88E-09
ENSMUSG00000058440	NRF1	0.684268	0.112765	1.29E-09	5.96E-09
ENSMUSG00000025936	GM4956	-2.7402	0.451861	1.33E-09	6.10E-09
ENSMUSG00000032050	RDX	-0.60084	0.09908	1.33E-09	6.10E-09
ENSMUSG00000041881	NDUFA7	0.682604	0.112571	1.33E-09	6.11E-09
ENSMUSG00000026126	PTPN18	1.315951	0.217035	1.33E-09	6.13E-09
ENSMUSG00000058301	UPF1	-0.50314	0.083018	1.36E-09	6.23E-09
ENSMUSG00000036977	ANAPC10	0.721621	0.119075	1.36E-09	6.25E-09
ENSMUSG00000073176	ZFP449	-0.72689	0.119965	1.37E-09	6.28E-09
ENSMUSG00000032688	MALT1	0.58225	0.096097	1.37E-09	6.29E-09
ENSMUSG00000026851	BC005624	0.553099	0.091301	1.38E-09	6.33E-09
ENSMUSG00000037362	NOV	-1.26961	0.20961	1.39E-09	6.36E-09
ENSMUSG00000017188	COA3	0.544035	0.089821	1.39E-09	6.37E-09
ENSMUSG00000027605	ACSS2	-0.63832	0.105407	1.40E-09	6.41E-09
ENSMUSG00000038280	OSTM1	-0.73415	0.121245	1.40E-09	6.43E-09
ENSMUSG00000037904	ANKRD9	-0.87732	0.144927	1.42E-09	6.49E-09
ENSMUSG00000038416	CDC16	0.555407	0.091762	1.42E-09	6.53E-09
ENSMUSG00000032301	PSMA4	0.498643	0.082394	1.43E-09	6.55E-09
ENSMUSG00000096255	DYNLT1B	0.690756	0.114153	1.44E-09	6.59E-09
ENSMUSG00000003345	CSNK1G2	0.503252	0.083168	1.44E-09	6.59E-09
ENSMUSG00000015120	UBE2I	0.505951	0.083653	1.46E-09	6.70E-09
ENSMUSG00000059108	IFITM6	3.057063	0.505553	1.48E-09	6.75E-09
ENSMUSG00000069255	DUSP22	0.618851	0.10236	1.49E-09	6.80E-09
ENSMUSG00000017801	MLX	0.867379	0.143478	1.49E-09	6.82E-09
ENSMUSG00000046668	CXXC5	-1.30382	0.215757	1.51E-09	6.92E-09
ENSMUSG00000022280	RNF19A	0.533459	0.088291	1.52E-09	6.95E-09
ENSMUSG00000064109	HCST	2.929588	0.484865	1.52E-09	6.95E-09
ENSMUSG00000078899	GM4631	-0.66355	0.109883	1.55E-09	7.10E-09

ENSMUSG00000028677	RNF220	0.543865	0.090067	1.56E-09	7.10E-09
ENSMUSG00000036534	SLC38A7	-1.20404	0.199412	1.56E-09	7.13E-09
ENSMUSG00000022698	NAA50	0.5005	0.082905	1.57E-09	7.17E-09
ENSMUSG00000074622	MAFB	0.720434	0.119353	1.58E-09	7.20E-09
ENSMUSG00000021495	FAM193B	-0.82511	0.136696	1.58E-09	7.20E-09
ENSMUSG00000001985	GRIK3	-2.09282	0.346769	1.59E-09	7.24E-09
ENSMUSG00000025580	EIF4A3	0.580873	0.096268	1.60E-09	7.30E-09
ENSMUSG00000028284	MAP3K7	0.581836	0.09643	1.60E-09	7.30E-09
ENSMUSG00000035437	RABGAP1	-0.56914	0.094343	1.61E-09	7.35E-09
ENSMUSG00000059408	MRGPRH	-3.44874	0.571723	1.62E-09	7.37E-09
ENSMUSG00000022992	KANSL2	0.497947	0.082552	1.62E-09	7.38E-09
ENSMUSG00000001150	MCM3AP	-0.52854	0.087653	1.64E-09	7.47E-09
ENSMUSG00000029379	CXCL3	4.606504	0.763955	1.64E-09	7.47E-09
ENSMUSG00000030766	ARHGAP17	0.558673	0.092651	1.64E-09	7.47E-09
ENSMUSG00000015937	H2AFY	0.530017	0.08791	1.65E-09	7.50E-09
ENSMUSG00000022822	ABCC5	0.735429	0.121982	1.65E-09	7.50E-09
ENSMUSG00000029462	VPS29	0.587232	0.097428	1.67E-09	7.58E-09
ENSMUSG00000071653	1810009A15RII	0.626443	0.10394	1.67E-09	7.59E-09
ENSMUSG00000045538	DDX28	0.576031	0.095577	1.67E-09	7.60E-09
ENSMUSG00000003810	MAST2	-0.61925	0.10275	1.67E-09	7.60E-09
ENSMUSG00000049001	NDNF	-1.81726	0.301536	1.67E-09	7.60E-09
ENSMUSG00000026021	SUMO1	0.516826	0.085795	1.70E-09	7.73E-09
ENSMUSG00000056313	TCIM	-0.87495	0.145254	1.71E-09	7.74E-09
ENSMUSG00000021115	VRK1	0.601909	0.099959	1.73E-09	7.84E-09
ENSMUSG00000039599	FAM149B	-0.54813	0.091041	1.74E-09	7.88E-09
ENSMUSG00000033192	LPCAT2	1.284427	0.213381	1.75E-09	7.94E-09
ENSMUSG00000022770	DLG1	-0.66032	0.109766	1.79E-09	8.12E-09
ENSMUSG000000096719	MRGPRA2B	3.45516	0.574555	1.81E-09	8.22E-09
ENSMUSG00000032803	CDV3	0.504079	0.083879	1.86E-09	8.43E-09
ENSMUSG00000024866	ACY3	-1.1698	0.194695	1.87E-09	8.49E-09
ENSMUSG00000066553	GM6969	-6.76336	1.125694	1.88E-09	8.50E-09
ENSMUSG00000033111	3830406C13RII	-0.57805	0.096246	1.90E-09	8.61E-09
ENSMUSG00000032548	SLCO2A1	1.089583	0.18143	1.91E-09	8.63E-09
ENSMUSG00000000982	CCL3	3.06904	0.511164	1.92E-09	8.71E-09
ENSMUSG00000036264	FSTL4	-0.906	0.150901	1.93E-09	8.72E-09
ENSMUSG00000029762	AKR1B8	1.380965	0.230077	1.95E-09	8.81E-09
ENSMUSG00000004356	UTP20	0.520892	0.086795	1.96E-09	8.85E-09
ENSMUSG000000096472	CDKN2D	0.727988	0.121326	1.97E-09	8.91E-09
ENSMUSG00000042842	SERPINB6B	-1.26478	0.210804	1.98E-09	8.93E-09
ENSMUSG00000028582	CC2D1B	0.677068	0.112862	1.98E-09	8.97E-09
ENSMUSG00000039660	SPOUT1	0.649768	0.108314	1.99E-09	8.97E-09
ENSMUSG00000047115	FAM221A	-1.07733	0.179599	1.99E-09	8.99E-09
ENSMUSG00000010051	HYAL1	-1.74844	0.291526	2.00E-09	9.05E-09
ENSMUSG00000021893	CAPN7	-0.49794	0.08303	2.01E-09	9.06E-09
ENSMUSG00000040506	AMBRA1	0.525802	0.087687	2.02E-09	9.11E-09
ENSMUSG00000029062	CDK11B	0.527814	0.088031	2.03E-09	9.14E-09
ENSMUSG00000021301	HECW1	2.948385	0.49182	2.04E-09	9.19E-09
ENSMUSG00000012483	RPA3	-0.81649	0.136211	2.04E-09	9.21E-09
ENSMUSG00000029913	PRDM5	-0.77961	0.130058	2.04E-09	9.21E-09
ENSMUSG00000040699	LIMD2	0.911493	0.152061	2.04E-09	9.21E-09

ENSMUSG00000074093	SVIP	-0.8266	0.137904	2.05E-09	9.22E-09
ENSMUSG00000023861	MPC1	0.521336	0.086998	2.07E-09	9.31E-09
ENSMUSG00000031357	SYAP1	0.509591	0.085047	2.07E-09	9.34E-09
ENSMUSG00000045827	SERPINB9	-0.86817	0.144894	2.08E-09	9.35E-09
ENSMUSG00000049303	SYT12	1.657144	0.276663	2.10E-09	9.46E-09
ENSMUSG00000040387	KLHL32	-1.13968	0.190373	2.14E-09	9.64E-09
ENSMUSG00000036537	RNF113A1	0.909465	0.151954	2.16E-09	9.73E-09
ENSMUSG00000056494	CNGB3	-3.42178	0.571739	2.17E-09	9.74E-09
ENSMUSG00000037944	CCR7	1.968034	0.328917	2.19E-09	9.83E-09
ENSMUSG00000022676	SNAI2	-1.12283	0.187675	2.19E-09	9.86E-09
ENSMUSG00000025235	BBS4	1.029846	0.172149	2.20E-09	9.89E-09
ENSMUSG00000038324	TRPC4AP	0.492182	0.082286	2.21E-09	9.94E-09
ENSMUSG00000035585	TSEN34	-0.51711	0.086459	2.22E-09	9.97E-09
ENSMUSG00000057054	INCA1	1.023328	0.171129	2.23E-09	1.00E-08
ENSMUSG00000021385	IPPK	0.605175	0.101208	2.24E-09	1.00E-08
ENSMUSG00000045934	MTMR11	0.782898	0.130939	2.24E-09	1.01E-08
ENSMUSG00000070423	OLFR558	-1.08791	0.181987	2.26E-09	1.01E-08
ENSMUSG00000033014	TRIM33	-0.73005	0.12213	2.26E-09	1.02E-08
ENSMUSG00000026248	MRPL44	-0.61413	0.102744	2.27E-09	1.02E-08
ENSMUSG00000058569	TMED9	0.493676	0.082606	2.28E-09	1.02E-08
ENSMUSG00000022533	ATP13A3	1.188817	0.198927	2.28E-09	1.02E-08
ENSMUSG00000025139	TOLLIP	0.494298	0.082716	2.29E-09	1.03E-08
ENSMUSG00000010054	TUSC2	0.644677	0.107903	2.31E-09	1.03E-08
ENSMUSG00000081096	GM12691	-2.89837	0.485327	2.34E-09	1.05E-08
ENSMUSG00000042082	ARSB	-0.64969	0.108812	2.36E-09	1.06E-08
ENSMUSG00000022400	RBX1	0.494574	0.08284	2.37E-09	1.06E-08
ENSMUSG00000079415	CNTF	1.512212	0.253398	2.41E-09	1.08E-08
ENSMUSG00000034563	CCPG1	-0.49716	0.08331	2.41E-09	1.08E-08
ENSMUSG00000034932	MRPL54	0.570606	0.095657	2.44E-09	1.09E-08
ENSMUSG00000021144	MTA1	-0.49936	0.083737	2.47E-09	1.10E-08
ENSMUSG00000027315	SPINT1	3.823702	0.641417	2.50E-09	1.12E-08
ENSMUSG00000046814	GCHFR	0.753576	0.126417	2.51E-09	1.12E-08
ENSMUSG00000015932	DSTN	0.738269	0.123851	2.51E-09	1.12E-08
ENSMUSG00000091937	GM3646	-0.97049	0.16287	2.54E-09	1.14E-08
ENSMUSG00000004105	ANGPTL2	-1.26725	0.212717	2.56E-09	1.14E-08
ENSMUSG00000034595	PPP1R18	1.065555	0.178863	2.56E-09	1.14E-08
ENSMUSG00000029064	GNB1	0.505463	0.084848	2.57E-09	1.14E-08
ENSMUSG00000015247	NIPSNAP3B	0.817535	0.137237	2.57E-09	1.15E-08
ENSMUSG00000020573	PIK3CG	0.986012	0.165542	2.58E-09	1.15E-08
ENSMUSG00000037843	VSTM2L	-2.89734	0.486623	2.62E-09	1.17E-08
ENSMUSG00000020032	NUAK1	0.762603	0.128124	2.65E-09	1.18E-08
ENSMUSG00000044982	SFT2D3	0.694184	0.116631	2.65E-09	1.18E-08
ENSMUSG00000045087	S1PR5	-2.63074	0.442037	2.66E-09	1.18E-08
ENSMUSG00000022419	DEPTOR	-0.80739	0.135668	2.66E-09	1.19E-08
ENSMUSG00000025213	KAZALD1	1.173862	0.197282	2.68E-09	1.19E-08
ENSMUSG00000023232	SERINC2	1.977298	0.332322	2.68E-09	1.19E-08
ENSMUSG00000010142	TNFRSF13B	1.764673	0.296653	2.70E-09	1.20E-08
ENSMUSG00000071562	STFA1	3.028971	0.509216	2.71E-09	1.21E-08
ENSMUSG00000053835	H2-T24	-1.11696	0.187786	2.71E-09	1.21E-08
ENSMUSG00000031229	ATRX	-0.85091	0.14308	2.73E-09	1.21E-08

ENSMUSG00000048644	CTXN1	1.071907	0.180259	2.74E-09	1.22E-08
ENSMUSG00000038065	MTURN	-1.1113	0.186934	2.77E-09	1.23E-08
ENSMUSG00000048240	GNG7	-1.95827	0.329444	2.78E-09	1.23E-08
ENSMUSG00000025135	ANAPC11	0.539025	0.090684	2.78E-09	1.24E-08
ENSMUSG00000006673	QRICH1	0.711366	0.11972	2.82E-09	1.25E-08
ENSMUSG00000006154	EPS8L1	-1.36033	0.228987	2.84E-09	1.26E-08
ENSMUSG00000069874	IRGM2	-1.50249	0.252968	2.86E-09	1.27E-08
ENSMUSG00000036093	ARL5A	0.56197	0.094642	2.89E-09	1.28E-08
ENSMUSG00000032536	TRAK1	-0.49438	0.083279	2.91E-09	1.29E-08
ENSMUSG00000083049	GM14822	4.237907	0.713915	2.92E-09	1.29E-08
ENSMUSG00000030699	TBX6	-1.55585	0.262112	2.92E-09	1.30E-08
ENSMUSG00000042688	MAPK6	0.598727	0.100899	2.96E-09	1.31E-08
ENSMUSG00000023994	NFYA	-0.82271	0.138669	2.98E-09	1.32E-08
ENSMUSG00000029784	SSMEM1	2.682574	0.452193	2.99E-09	1.32E-08
ENSMUSG00000053914	KDM4D	3.592031	0.605509	2.99E-09	1.32E-08
ENSMUSG00000025971	MAIP1	0.504324	0.085024	3.00E-09	1.33E-08
ENSMUSG00000024587	NARS	0.489551	0.082546	3.02E-09	1.34E-08
ENSMUSG00000022793	B4GALT4	-0.71591	0.120715	3.02E-09	1.34E-08
ENSMUSG00000040289	HEY1	-1.1779	0.19864	3.03E-09	1.34E-08
ENSMUSG00000074194	ZFP791	-1.14892	0.193802	3.06E-09	1.35E-08
ENSMUSG00000066537	VMN2R57	-3.18888	0.538251	3.13E-09	1.39E-08
ENSMUSG00000059852	KCNG2	-0.95796	0.161703	3.14E-09	1.39E-08
ENSMUSG00000025722	WDR73	0.853434	0.144069	3.15E-09	1.39E-08
ENSMUSG00000036246	GMIP	0.881424	0.148827	3.17E-09	1.40E-08
ENSMUSG00000028164	MANBA	-0.81549	0.137698	3.17E-09	1.40E-08
ENSMUSG00000068039	TCP1	0.520527	0.087894	3.18E-09	1.40E-08
ENSMUSG00000040113	METTL11B	-2.77555	0.468681	3.18E-09	1.40E-08
ENSMUSG00000041353	TMEM29	1.094089	0.184775	3.20E-09	1.41E-08
ENSMUSG00000041346	WRAP53	0.722015	0.122005	3.26E-09	1.44E-08
ENSMUSG00000082396	ZFP389	2.748042	0.46441	3.27E-09	1.44E-08
ENSMUSG00000037351	ACTR1B	0.508814	0.085993	3.28E-09	1.45E-08
ENSMUSG00000090222	IFI203-PS	-1.64868	0.278643	3.28E-09	1.45E-08
ENSMUSG00000030762	AQP8	-1.20275	0.20331	3.30E-09	1.46E-08
ENSMUSG00000020186	CSRP2	0.595721	0.100715	3.32E-09	1.46E-08
ENSMUSG00000038507	PARP12	-0.99304	0.167946	3.36E-09	1.48E-08
ENSMUSG00000042029	NCAPG2	1.311962	0.221965	3.41E-09	1.50E-08
ENSMUSG00000033420	ANTXR1	-1.3975	0.236478	3.43E-09	1.51E-08
ENSMUSG00000031385	PLXNB3	-1.02217	0.173026	3.47E-09	1.53E-08
ENSMUSG00000020778	TEN1	0.901575	0.152656	3.51E-09	1.54E-08
ENSMUSG00000053617	SH3PXD2A	-0.48839	0.082699	3.51E-09	1.55E-08
ENSMUSG00000027577	CHRNA4	2.718908	0.460421	3.52E-09	1.55E-08
ENSMUSG00000000738	SPG7	0.554715	0.093946	3.54E-09	1.55E-08
ENSMUSG00000093805	GAL3ST2B	-1.74839	0.296106	3.53E-09	1.55E-08
ENSMUSG00000031812	MAP1LC3B	0.527608	0.089379	3.57E-09	1.57E-08
ENSMUSG00000029571	TMEM106B	-1.03483	0.175308	3.57E-09	1.57E-08
ENSMUSG00000027465	TBC1D20	0.529162	0.089646	3.57E-09	1.57E-08
ENSMUSG00000026466	TOR1AIP1	-0.65175	0.11042	3.58E-09	1.57E-08
ENSMUSG00000054555	ADAM12	1.397423	0.236771	3.59E-09	1.58E-08
ENSMUSG00000082908	GM13736	0.873086	0.147956	3.61E-09	1.59E-08
ENSMUSG00000068328	AUP1	0.701195	0.11883	3.62E-09	1.59E-08

ENSMUSG00000030615	TMEM126A	0.487719	0.082666	3.64E-09	1.60E-08
ENSMUSG00000020734	GRIN2C	-1.60768	0.272519	3.65E-09	1.60E-08
ENSMUSG00000045284	DCAF12L1	-1.85766	0.314916	3.66E-09	1.60E-08
ENSMUSG00000043445	PGP	0.507202	0.086003	3.69E-09	1.62E-08
ENSMUSG00000029432	NIPSNAP2	-0.94645	0.160511	3.71E-09	1.63E-08
ENSMUSG00000067242	LGI1	-2.52351	0.428034	3.73E-09	1.64E-08
ENSMUSG00000010721	LMBR1	-0.66032	0.112013	3.75E-09	1.64E-08
ENSMUSG00000019777	HDAC2	-0.50135	0.085049	3.75E-09	1.64E-08
ENSMUSG00000001844	ZDHHC4	0.560463	0.095106	3.79E-09	1.66E-08
ENSMUSG00000019368	SEC14L4	2.250662	0.381979	3.81E-09	1.67E-08
ENSMUSG00000082474	GM8213	1.819666	0.30888	3.83E-09	1.68E-08
ENSMUSG00000066735	VKORC1L1	0.70206	0.119174	3.84E-09	1.68E-08
ENSMUSG00000043262	UEVLD	-0.77786	0.132048	3.85E-09	1.68E-08
ENSMUSG00000049709	NLRP10	-1.1547	0.196039	3.86E-09	1.69E-08
ENSMUSG00000027238	FRMD5	-2.11644	0.359383	3.88E-09	1.70E-08
ENSMUSG00000041202	PLA2G2D	-2.28236	0.387663	3.92E-09	1.71E-08
ENSMUSG00000027938	CREB3L4	1.638181	0.278279	3.94E-09	1.72E-08
ENSMUSG00000035095	FAM167A	1.903106	0.323325	3.96E-09	1.73E-08
ENSMUSG00000044627	SWI5	0.729212	0.123908	3.98E-09	1.74E-08
ENSMUSG00000024501	DPYSL3	0.990975	0.168399	3.99E-09	1.74E-08
ENSMUSG00000090210	ITGA10	-1.3324	0.226483	4.03E-09	1.76E-08
ENSMUSG00000019689	FMC1	0.852152	0.144863	4.04E-09	1.76E-08
ENSMUSG00000073678	PGAP1	-1.19984	0.203975	4.05E-09	1.76E-08
ENSMUSG00000018347	ZKSCAN6	0.643798	0.109451	4.05E-09	1.77E-08
ENSMUSG00000043940	WDFY3	-0.60685	0.103204	4.10E-09	1.79E-08
ENSMUSG00000030824	NUCB1	-0.50039	0.085131	4.16E-09	1.81E-08
ENSMUSG00000041358	NUTM1	2.812925	0.478579	4.16E-09	1.81E-08
ENSMUSG00000055200	SERTAD3	1.401044	0.238372	4.16E-09	1.81E-08
ENSMUSG00000020283	PEX13	0.719368	0.122409	4.18E-09	1.82E-08
ENSMUSG00000024215	SPDEF	4.093985	0.696777	4.21E-09	1.83E-08
ENSMUSG00000006586	RUNX1T1	-1.34182	0.228405	4.24E-09	1.84E-08
ENSMUSG00000020075	DDX21	0.768974	0.130904	4.24E-09	1.85E-08
ENSMUSG00000060212	PCNX2	-1.78064	0.303184	4.28E-09	1.86E-08
ENSMUSG00000068220	LGALS1	0.488868	0.083239	4.28E-09	1.86E-08
ENSMUSG00000063200	NOL7	0.484648	0.082528	4.29E-09	1.87E-08
ENSMUSG00000022619	MAPK8IP2	2.188299	0.372715	4.33E-09	1.88E-08
ENSMUSG00000031972	ACTA1	1.353773	0.230603	4.34E-09	1.89E-08
ENSMUSG00000041355	SSR2	0.535756	0.091277	4.37E-09	1.90E-08
ENSMUSG00000061371	ZFP873	-1.0077	0.171694	4.38E-09	1.90E-08
ENSMUSG00000096199	PTRHD1	0.67463	0.114954	4.39E-09	1.91E-08
ENSMUSG00000031883	CAR7	-0.98653	0.168116	4.41E-09	1.91E-08
ENSMUSG00000043391	2510009E07RII	-0.72948	0.124334	4.43E-09	1.92E-08
ENSMUSG00000027876	REG4	2.921665	0.498026	4.45E-09	1.93E-08
ENSMUSG00000053877	SRCAP	-0.55075	0.093919	4.52E-09	1.96E-08
ENSMUSG00000066152	SLC31A2	-0.65483	0.111686	4.54E-09	1.97E-08
ENSMUSG00000061313	DDHD2	-0.65366	0.111503	4.57E-09	1.98E-08
ENSMUSG000000111512	GM17853	-2.44608	0.417349	4.60E-09	1.99E-08
ENSMUSG00000026491	AHCTF1	0.661344	0.112844	4.61E-09	2.00E-08
ENSMUSG00000005980	DNASE1	-1.79278	0.30628	4.82E-09	2.09E-08
ENSMUSG00000031706	RFX1	-0.71927	0.122883	4.82E-09	2.09E-08

ENSMUSG00000038861	PI4KB	0.545432	0.093183	4.82E-09	2.09E-08
ENSMUSG00000008206	CERS4	-0.84844	0.144956	4.82E-09	2.09E-08
ENSMUSG000000062127	CTTNBP2NL	0.510599	0.087248	4.85E-09	2.10E-08
ENSMUSG000000046223	PLAUR	2.638522	0.450964	4.89E-09	2.12E-08
ENSMUSG000000037253	MEX3C	0.533109	0.091127	4.91E-09	2.12E-08
ENSMUSG000000024376	EPB41L4A	-1.32713	0.226868	4.92E-09	2.13E-08
ENSMUSG000000024426	ATAT1	-0.99919	0.170811	4.92E-09	2.13E-08
ENSMUSG000000021245	MLH3	-1.07638	0.184008	4.93E-09	2.13E-08
ENSMUSG000000026879	GSN	-1.12611	0.192536	4.95E-09	2.14E-08
ENSMUSG000000038351	SGSM2	-1.02118	0.174638	4.99E-09	2.16E-08
ENSMUSG000000035529	PRDM4	0.587925	0.100547	5.00E-09	2.16E-08
ENSMUSG000000006435	NEURL1A	-1.15718	0.197961	5.05E-09	2.18E-08
ENSMUSG000000001627	IFRD1	1.583848	0.270967	5.06E-09	2.18E-08
ENSMUSG000000019828	GRM1	-1.58164	0.270608	5.07E-09	2.19E-08
ENSMUSG000000029538	SRSF9	0.576941	0.098726	5.10E-09	2.20E-08
ENSMUSG000000019297	NOP9	0.536521	0.091822	5.12E-09	2.21E-08
ENSMUSG000000015452	AGER	1.807496	0.309373	5.14E-09	2.22E-08
ENSMUSG000000024413	NPC1	-0.95147	0.162854	5.14E-09	2.22E-08
ENSMUSG000000074625	ARHGAP40	3.048261	0.521894	5.20E-09	2.24E-08
ENSMUSG000000030374	STRN4	-0.52855	0.0905	5.21E-09	2.24E-08
ENSMUSG000000049807	ARHGAP23	1.009118	0.172791	5.22E-09	2.25E-08
ENSMUSG000000110561	GM45888	-2.78594	0.477142	5.26E-09	2.26E-08
ENSMUSG000000051343	RAB11FIP5	0.485456	0.083144	5.26E-09	2.26E-08
ENSMUSG000000036381	P2RY14	-1.09395	0.187381	5.28E-09	2.27E-08
ENSMUSG000000032513	GORASP1	-0.92106	0.157795	5.31E-09	2.29E-08
ENSMUSG000000034226	RHOV	3.643443	0.624215	5.32E-09	2.29E-08
ENSMUSG000000036062	PHF24	-1.01571	0.174039	5.34E-09	2.30E-08
ENSMUSG000000046404	YOD1	0.580201	0.099421	5.35E-09	2.30E-08
ENSMUSG000000090353	GM17555	-1.42382	0.24399	5.36E-09	2.30E-08
ENSMUSG000000038515	GRTP1	-0.98863	0.169422	5.37E-09	2.31E-08
ENSMUSG000000002064	SDF2	0.583115	0.099954	5.42E-09	2.33E-08
ENSMUSG000000013833	MED16	0.521779	0.089475	5.49E-09	2.36E-08
ENSMUSG000000063236	1110038F14RII	0.560099	0.096053	5.51E-09	2.36E-08
ENSMUSG000000027983	CYP2U1	-0.77233	0.132451	5.51E-09	2.36E-08
ENSMUSG000000030327	NECAP1	0.635856	0.109062	5.53E-09	2.38E-08
ENSMUSG000000031780	CCL17	3.074656	0.527531	5.60E-09	2.40E-08
ENSMUSG000000029166	MAPRE3	0.501217	0.086072	5.77E-09	2.48E-08
ENSMUSG000000033068	ENTPD6	-1.25879	0.21623	5.83E-09	2.50E-08
ENSMUSG000000020644	ID2	1.524722	0.26194	5.85E-09	2.51E-08
ENSMUSG000000022742	CPOX	-1.1662	0.200371	5.88E-09	2.52E-08
ENSMUSG000000026799	MED27	0.709557	0.121927	5.90E-09	2.53E-08
ENSMUSG000000024091	VAPA	0.481062	0.082676	5.93E-09	2.54E-08
ENSMUSG000000032449	SLC25A36	-0.61429	0.105582	5.95E-09	2.55E-08
ENSMUSG000000026199	ANKZF1	-0.54405	0.093535	6.01E-09	2.57E-08
ENSMUSG000000109367	GM18782	1.493973	0.256853	6.01E-09	2.57E-08
ENSMUSG000000042211	FBXO38	0.490562	0.084392	6.14E-09	2.63E-08
ENSMUSG000000030660	PIK3C2A	0.610298	0.105014	6.19E-09	2.65E-08
ENSMUSG000000024011	PI16	-0.53988	0.092958	6.33E-09	2.71E-08
ENSMUSG000000071042	RASGRP3	-1.20832	0.208066	6.34E-09	2.71E-08
ENSMUSG000000053093	MYH7	-1.68633	0.290408	6.37E-09	2.72E-08

ENSMUSG00000059248	Sep-09	0.512882	0.088326	6.37E-09	2.72E-08
ENSMUSG00000046822	SLC39A3	-0.60181	0.103655	6.40E-09	2.74E-08
ENSMUSG00000043301	KCNJ6	3.048932	0.525185	6.42E-09	2.74E-08
ENSMUSG00000053198	PRX	0.975841	0.16812	6.46E-09	2.76E-08
ENSMUSG00000021646	MCCC2	-0.99331	0.171136	6.47E-09	2.76E-08
ENSMUSG00000095325	ZFP870	-0.69402	0.119578	6.48E-09	2.77E-08
ENSMUSG00000026788	ZBTB43	0.554205	0.095498	6.50E-09	2.78E-08
ENSMUSG00000030162	OLR1	2.5594	0.441039	6.51E-09	2.78E-08
ENSMUSG00000079108	SRP54C	0.486485	0.083841	6.53E-09	2.79E-08
ENSMUSG00000022677	FOPNL	0.58636	0.101054	6.54E-09	2.79E-08
ENSMUSG00000049588	CCDC69	-1.71123	0.294932	6.55E-09	2.79E-08
ENSMUSG00000022536	GLYR1	0.47998	0.082735	6.58E-09	2.80E-08
ENSMUSG00000033170	CARD10	-0.77074	0.132904	6.66E-09	2.84E-08
ENSMUSG00000039496	CDNF	-0.88515	0.152644	6.68E-09	2.85E-08
ENSMUSG00000022893	ADAMTS1	1.94848	0.336051	6.70E-09	2.86E-08
ENSMUSG00000046345	SMCO1	-2.77042	0.47782	6.71E-09	2.86E-08
ENSMUSG00000032497	LRRFIP2	0.480945	0.082958	6.73E-09	2.87E-08
ENSMUSG00000024826	DPF2	-0.50424	0.087017	6.84E-09	2.91E-08
ENSMUSG00000067818	MYL9	-1.13506	0.195927	6.90E-09	2.94E-08
ENSMUSG00000038150	ORMDL3	0.481165	0.083061	6.92E-09	2.94E-08
ENSMUSG00000110444	GM10033	-1.2179	0.210248	6.93E-09	2.95E-08
ENSMUSG00000037103	DCAF15	0.61676	0.106499	6.99E-09	2.97E-08
ENSMUSG00000069520	TMEM19	0.547182	0.094508	7.05E-09	3.00E-08
ENSMUSG00000024885	ALDH3B1	1.536701	0.265431	7.06E-09	3.00E-08
ENSMUSG00000027961	LRRC39	-0.64974	0.112228	7.06E-09	3.00E-08
ENSMUSG00000022286	GRHL2	-2.6805	0.463322	7.23E-09	3.07E-08
ENSMUSG00000031970	DBNDD1	-1.13109	0.195514	7.24E-09	3.08E-08
ENSMUSG00000036528	PPFIBP2	-1.24445	0.215119	7.25E-09	3.08E-08
ENSMUSG00000025609	MKLN1	0.640191	0.110666	7.26E-09	3.08E-08
ENSMUSG00000062380	TUBB3	1.853341	0.320383	7.26E-09	3.08E-08
ENSMUSG00000068184	NDUFAF2	0.517924	0.089542	7.29E-09	3.09E-08
ENSMUSG00000034949	ZFR2	-1.40682	0.243225	7.29E-09	3.09E-08
ENSMUSG00000043505	GIMAP5	0.831013	0.143694	7.33E-09	3.11E-08
ENSMUSG00000035704	ALG8	0.900306	0.155694	7.36E-09	3.12E-08
ENSMUSG00000044795	CYB5D1	-0.66979	0.115946	7.62E-09	3.23E-08
ENSMUSG00000062209	ERBB4	-1.15992	0.200819	7.65E-09	3.24E-08
ENSMUSG00000052456	ASNA1	0.732987	0.126913	7.67E-09	3.25E-08
ENSMUSG00000052676	ZMAT1	-0.66415	0.115036	7.77E-09	3.29E-08
ENSMUSG00000041912	TDRKH	0.663706	0.114973	7.80E-09	3.30E-08
ENSMUSG00000004996	MRI1	-0.96521	0.167213	7.82E-09	3.31E-08
ENSMUSG00000070520	NSMCE3	0.544092	0.094288	7.90E-09	3.34E-08
ENSMUSG00000002379	NDUFA11	0.66421	0.115161	8.04E-09	3.40E-08
ENSMUSG00000025271	PFKFB1	-1.17186	0.203217	8.09E-09	3.42E-08
ENSMUSG00000061104	SAP18B	0.64718	0.112239	8.11E-09	3.43E-08
ENSMUSG00000073902	GM1966	1.85325	0.321436	8.14E-09	3.44E-08
ENSMUSG00000010066	CACNA2D2	-2.09955	0.364183	8.16E-09	3.45E-08
ENSMUSG00000018841	RAD51D	-0.7531	0.130632	8.16E-09	3.45E-08
ENSMUSG00000003119	CDK12	0.709114	0.123006	8.17E-09	3.45E-08
ENSMUSG00000068747	SORT1	-0.88816	0.154073	8.19E-09	3.46E-08
ENSMUSG00000038495	OTUD7B	0.773574	0.134259	8.32E-09	3.51E-08

ENSMUSG00000020048	HSP90B1	-0.47341	0.082177	8.37E-09	3.53E-08
ENSMUSG00000039131	GIPC2	0.831603	0.144357	8.37E-09	3.53E-08
ENSMUSG00000038668	LPAR1	0.692176	0.120169	8.41E-09	3.55E-08
ENSMUSG00000022543	4930451G09RI	0.994951	0.172738	8.42E-09	3.55E-08
ENSMUSG00000029175	SLC35F6	0.483977	0.084064	8.55E-09	3.61E-08
ENSMUSG00000028224	NBN	-0.52927	0.091933	8.55E-09	3.61E-08
ENSMUSG00000095742	CAAA0114733	0.509781	0.088558	8.59E-09	3.62E-08
ENSMUSG00000002319	IPO4	0.844003	0.146646	8.65E-09	3.64E-08
ENSMUSG00000024451	ARAP3	-0.47982	0.083377	8.67E-09	3.65E-08
ENSMUSG00000032515	CSRNP1	1.416229	0.246106	8.69E-09	3.66E-08
ENSMUSG00000021051	PPP2R5E	-0.48623	0.084505	8.72E-09	3.67E-08
ENSMUSG00000027505	FAM209	2.610126	0.453628	8.72E-09	3.67E-08
ENSMUSG00000033207	MAMDC2	-2.31643	0.402588	8.72E-09	3.67E-08
ENSMUSG00000059657	STFA2L1	3.399189	0.590835	8.76E-09	3.69E-08
ENSMUSG00000030177	CCDC77	-0.98637	0.17151	8.87E-09	3.73E-08
ENSMUSG00000042496	PRDM10	-0.75606	0.13148	8.90E-09	3.74E-08
ENSMUSG00000042015	WDR41	-0.50527	0.087874	8.93E-09	3.75E-08
ENSMUSG00000039981	ZC3H12D	1.374294	0.239041	8.97E-09	3.77E-08
ENSMUSG00000021484	LMAN2	-0.47543	0.082696	8.97E-09	3.77E-08
ENSMUSG00000033029	1700088E04RII	0.958971	0.166835	9.03E-09	3.79E-08
ENSMUSG00000031796	CFAP20	-0.65293	0.113606	9.07E-09	3.81E-08
ENSMUSG00000062157	IFNLR1	-0.8686	0.151156	9.12E-09	3.83E-08
ENSMUSG00000022617	CHKB	0.482991	0.084087	9.25E-09	3.88E-08
ENSMUSG00000033486	CATSPER2	0.653813	0.113832	9.26E-09	3.89E-08
ENSMUSG00000054863	FAM19A5	-0.76484	0.133178	9.30E-09	3.90E-08
ENSMUSG00000049305	CCDC71	0.517804	0.090165	9.31E-09	3.91E-08
ENSMUSG00000020484	XBP1	0.503556	0.08772	9.44E-09	3.96E-08
ENSMUSG00000086580	GM15280	1.388577	0.241896	9.45E-09	3.96E-08
ENSMUSG00000039849	PCIF1	0.608607	0.106034	9.48E-09	3.98E-08
ENSMUSG00000051390	ZBTB22	0.555127	0.096722	9.50E-09	3.98E-08
ENSMUSG00000109378	GM49396	-0.75042	0.130759	9.53E-09	3.99E-08
ENSMUSG00000036890	GTDC1	0.743835	0.129631	9.58E-09	4.01E-08
ENSMUSG00000039795	ZFAND1	-0.95524	0.166486	9.60E-09	4.02E-08
ENSMUSG00000042747	KRTCAP2	0.631145	0.110006	9.62E-09	4.03E-08
ENSMUSG00000058922	GM10052	-6.06937	1.058016	9.66E-09	4.04E-08
ENSMUSG00000027775	MFSD1	0.962664	0.167841	9.72E-09	4.07E-08
ENSMUSG00000069136	A130006I12RIK	1.997517	0.348274	9.72E-09	4.07E-08
ENSMUSG00000045404	KCNK13	2.073553	0.361537	9.73E-09	4.07E-08
ENSMUSG00000045382	CXCR4	0.772608	0.134718	9.75E-09	4.08E-08
ENSMUSG00000028245	NSMAF	-0.55696	0.097144	9.84E-09	4.12E-08
ENSMUSG00000025792	SLC25A10	-0.73111	0.12756	9.95E-09	4.16E-08
ENSMUSG00000102805	GM37240	-1.25002	0.218104	9.97E-09	4.17E-08
ENSMUSG00000025355	MMP19	1.720601	0.300251	1.00E-08	4.18E-08
ENSMUSG00000024353	MZB1	-1.50897	0.263339	1.00E-08	4.19E-08
ENSMUSG00000042659	ARRDC4	0.63599	0.110999	1.01E-08	4.20E-08
ENSMUSG00000023030	SLC11A2	0.638463	0.111533	1.04E-08	4.33E-08
ENSMUSG00000029993	NFU1	0.521541	0.091119	1.04E-08	4.35E-08
ENSMUSG00000023886	SMOC2	-1.30941	0.228823	1.05E-08	4.38E-08
ENSMUSG00000054435	GIMAP4	-0.59192	0.103452	1.05E-08	4.40E-08
ENSMUSG00000028967	ERRFI1	1.254503	0.219265	1.06E-08	4.40E-08

ENSMUSG00000026181	PPM1F	-0.51664	0.090319	1.06E-08	4.44E-08
ENSMUSG00000042680	GAREM1	-0.49424	0.086411	1.07E-08	4.45E-08
ENSMUSG00000041712	UBR7	-0.49444	0.086457	1.07E-08	4.46E-08
ENSMUSG00000051331	CACNA1C	-1.53434	0.26836	1.08E-08	4.50E-08
ENSMUSG00000056973	CES1D	-1.95495	0.342102	1.10E-08	4.58E-08
ENSMUSG00000016763	SCUBE1	-1.12835	0.197457	1.10E-08	4.58E-08
ENSMUSG00000021737	PSMD6	0.473866	0.082925	1.10E-08	4.58E-08
ENSMUSG00000019505	UBB	1.013753	0.177426	1.11E-08	4.60E-08
ENSMUSG00000040242	FGFR1OP2	0.482605	0.084467	1.11E-08	4.60E-08
ENSMUSG00000041471	SHLD2	-1.11657	0.195485	1.12E-08	4.65E-08
ENSMUSG00000032872	CYB5R4	0.487927	0.085464	1.14E-08	4.72E-08
ENSMUSG00000072568	FAM84B	-1.05674	0.185105	1.14E-08	4.73E-08
ENSMUSG00000091754	GM3636	1.23069	0.215583	1.14E-08	4.73E-08
ENSMUSG00000035274	TPBG	1.848291	0.32388	1.15E-08	4.78E-08
ENSMUSG00000071281	ZFP65	-0.80756	0.141562	1.17E-08	4.84E-08
ENSMUSG000000110185	IGIP	-0.74115	0.129965	1.18E-08	4.90E-08
ENSMUSG00000025978	RFTN2	-0.98835	0.173331	1.18E-08	4.91E-08
ENSMUSG00000072612	GM10382	1.131124	0.198438	1.20E-08	4.97E-08
ENSMUSG00000010067	RASSF1	1.256129	0.220386	1.20E-08	4.98E-08
ENSMUSG00000020225	TMBIM4	0.476418	0.083588	1.20E-08	4.98E-08
ENSMUSG00000079427	MTHFSL	0.654227	0.114806	1.21E-08	5.01E-08
ENSMUSG00000012076	BRMS1L	-0.54964	0.096457	1.21E-08	5.01E-08
ENSMUSG00000005198	POLR2A	0.784085	0.137603	1.21E-08	5.02E-08
ENSMUSG00000075590	NRBP2	-0.48591	0.085277	1.21E-08	5.02E-08
ENSMUSG00000024401	TNF	1.879372	0.329864	1.22E-08	5.04E-08
ENSMUSG00000020056	WASHC3	0.543162	0.095345	1.22E-08	5.05E-08
ENSMUSG00000025185	LOXL4	1.215835	0.213432	1.22E-08	5.06E-08
ENSMUSG00000049719	PRSS46	3.855821	0.67691	1.23E-08	5.07E-08
ENSMUSG00000022285	YWHAZ	0.473676	0.08317	1.23E-08	5.09E-08
ENSMUSG00000058454	DHCR7	-1.02303	0.179647	1.24E-08	5.11E-08
ENSMUSG00000037773	PCED1A	-0.64944	0.11409	1.25E-08	5.18E-08
ENSMUSG00000029381	SHROOM3	0.610974	0.107337	1.25E-08	5.19E-08
ENSMUSG00000032099	PATE4	2.767756	0.486384	1.27E-08	5.24E-08
ENSMUSG00000004446	BID	1.405111	0.246928	1.27E-08	5.24E-08
ENSMUSG00000041605	INAVA	2.797178	0.491715	1.28E-08	5.29E-08
ENSMUSG00000025008	TCTN3	-0.8087	0.142204	1.29E-08	5.34E-08
ENSMUSG00000037415	RANBP10	-0.51696	0.090906	1.29E-08	5.35E-08
ENSMUSG00000027230	CREB3L1	0.698672	0.122895	1.31E-08	5.40E-08
ENSMUSG00000037001	ZFP39	-0.97604	0.171704	1.31E-08	5.42E-08
ENSMUSG00000031813	MVB12A	0.66637	0.117265	1.33E-08	5.47E-08
ENSMUSG00000001666	DDT	0.967787	0.170313	1.33E-08	5.48E-08
ENSMUSG00000052794	1700030K09RII	-0.94358	0.166088	1.34E-08	5.52E-08
ENSMUSG000000105549	GM43540	-0.83435	0.146865	1.34E-08	5.52E-08
ENSMUSG00000037262	KIN	0.65511	0.115335	1.35E-08	5.55E-08
ENSMUSG00000048721	FNDC9	-2.46473	0.433945	1.35E-08	5.56E-08
ENSMUSG00000019977	HBS1L	0.470488	0.082841	1.35E-08	5.57E-08
ENSMUSG00000028555	TTC39A	-1.4884	0.262106	1.36E-08	5.59E-08
ENSMUSG00000002343	ARMC6	0.671959	0.118353	1.37E-08	5.63E-08
ENSMUSG00000003438	TIMM50	0.681348	0.120017	1.37E-08	5.64E-08
ENSMUSG00000051355	COMMD1	0.553515	0.097507	1.37E-08	5.65E-08

ENSMUSG00000045691	THTPA	-0.58361	0.102828	1.38E-08	5.69E-08
ENSMUSG00000005378	BUD23	0.578686	0.101966	1.38E-08	5.70E-08
ENSMUSG000000061838	SUCLG2	-0.60805	0.107142	1.39E-08	5.70E-08
ENSMUSG000000024891	SLC29A2	-1.0702	0.188609	1.39E-08	5.73E-08
ENSMUSG000000028003	LRAT	-1.74143	0.30697	1.40E-08	5.77E-08
ENSMUSG000000002944	CD36	-0.54919	0.096823	1.41E-08	5.80E-08
ENSMUSG000000007036	ABHD16A	-0.55207	0.097335	1.41E-08	5.80E-08
ENSMUSG000000051232	TMEM199	0.633826	0.111757	1.42E-08	5.82E-08
ENSMUSG000000049482	CTU2	0.79304	0.139843	1.42E-08	5.83E-08
ENSMUSG000000031861	LPAR2	1.506746	0.265738	1.43E-08	5.86E-08
ENSMUSG000000063727	TNFRSF11B	2.027693	0.357807	1.45E-08	5.96E-08
ENSMUSG000000022041	CHRNA2	-1.37074	0.24196	1.47E-08	6.03E-08
ENSMUSG000000030342	CD9	0.717893	0.126752	1.48E-08	6.07E-08
ENSMUSG000000095545	ZFP969	5.887649	1.039538	1.48E-08	6.07E-08
ENSMUSG000000025588	NAT1	-2.7742	0.489839	1.48E-08	6.08E-08
ENSMUSG000000058351	SMIM4	0.686761	0.121293	1.50E-08	6.13E-08
ENSMUSG000000034724	CNOT6L	-0.67174	0.118658	1.50E-08	6.16E-08
ENSMUSG000000060038	DHPS	0.571193	0.100905	1.51E-08	6.17E-08
ENSMUSG000000092212	SLC22A13B-PS	1.374774	0.242933	1.52E-08	6.23E-08
ENSMUSG000000070934	RRAGA	0.47095	0.083227	1.53E-08	6.25E-08
ENSMUSG000000031502	COL4A1	0.602848	0.106553	1.53E-08	6.28E-08
ENSMUSG000000034686	PRR7	1.636022	0.289269	1.55E-08	6.35E-08
ENSMUSG000000039217	IL18	1.451295	0.256624	1.56E-08	6.36E-08
ENSMUSG000000034321	EXOSC1	0.583677	0.103241	1.57E-08	6.43E-08
ENSMUSG000000072949	ACOT1	-1.57345	0.278317	1.57E-08	6.43E-08
ENSMUSG000000050860	PHOSPHO1	0.469868	0.083118	1.58E-08	6.45E-08
ENSMUSG000000026915	STRBP	0.859614	0.152065	1.58E-08	6.45E-08
ENSMUSG000000052593	ADAM17	-0.48816	0.086366	1.58E-08	6.47E-08
ENSMUSG000000083152	APC-PS1	2.642662	0.467603	1.59E-08	6.50E-08
ENSMUSG000000045348	NYAP1	-1.28828	0.227956	1.59E-08	6.50E-08
ENSMUSG000000021474	SFXN1	0.607246	0.107466	1.60E-08	6.53E-08
ENSMUSG000000098112	BIN2	1.634325	0.289233	1.60E-08	6.53E-08
ENSMUSG000000031434	MORC4	-1.07425	0.190138	1.61E-08	6.56E-08
ENSMUSG000000025577	CBX2	-1.10595	0.195768	1.61E-08	6.57E-08
ENSMUSG000000036078	SIGMAR1	-0.68065	0.120502	1.62E-08	6.61E-08
ENSMUSG000000022313	UTP23	1.039394	0.184019	1.62E-08	6.61E-08
ENSMUSG000000025144	CENPX	0.532144	0.09422	1.62E-08	6.62E-08
ENSMUSG000000021277	TRAF3	0.645865	0.11438	1.64E-08	6.67E-08
ENSMUSG000000033644	PIWIL2	1.507314	0.266954	1.64E-08	6.68E-08
ENSMUSG000000053317	SEC61B	1.009961	0.178922	1.65E-08	6.74E-08
ENSMUSG000000019158	TMEM160	0.618137	0.109565	1.68E-08	6.86E-08
ENSMUSG000000062908	ACADM	-0.98302	0.174287	1.70E-08	6.92E-08
ENSMUSG000000078861	ZFP931	-0.79838	0.141575	1.71E-08	6.95E-08
ENSMUSG000000055447	CD47	0.606595	0.107585	1.72E-08	6.99E-08
ENSMUSG000000033453	ADAMTS15	-1.01238	0.179634	1.74E-08	7.09E-08
ENSMUSG000000072789	GM10420	1.299581	0.230607	1.75E-08	7.10E-08
ENSMUSG000000075707	DIO3	3.852989	0.683724	1.75E-08	7.11E-08
ENSMUSG000000059089	FCGR4	2.151286	0.38185	1.76E-08	7.17E-08
ENSMUSG000000083811	GM13071	-1.79303	0.318263	1.76E-08	7.17E-08
ENSMUSG000000010110	STX5A	0.513396	0.091136	1.77E-08	7.19E-08

ENSMUSG00000043157	ARL11	1.734681	0.307948	1.77E-08	7.20E-08
ENSMUSG00000032511	SCN5A	-0.49325	0.087571	1.78E-08	7.21E-08
ENSMUSG00000062352	ITGB1BP1	0.740052	0.131395	1.78E-08	7.22E-08
ENSMUSG00000016319	SLC25A5	-0.4723	0.083887	1.80E-08	7.31E-08
ENSMUSG00000015083	C8G	-0.92091	0.163641	1.83E-08	7.42E-08
ENSMUSG00000028807	ZBTB8A	-1.02087	0.181465	1.85E-08	7.49E-08
ENSMUSG00000030612	MRPL46	0.500271	0.088933	1.85E-08	7.51E-08
ENSMUSG00000023043	KRT18	1.526232	0.27135	1.86E-08	7.54E-08
ENSMUSG00000058638	ZFP110	-0.68626	0.122107	1.91E-08	7.74E-08
ENSMUSG00000029632	NDUFA4	0.542926	0.096629	1.92E-08	7.80E-08
ENSMUSG00000030816	RNF40	0.482511	0.085878	1.93E-08	7.80E-08
ENSMUSG00000007867	IFT43	0.510071	0.090826	1.96E-08	7.92E-08
ENSMUSG00000036764	DNAJC12	-0.69723	0.12416	1.96E-08	7.93E-08
ENSMUSG00000003154	FOXJ2	-0.86196	0.153542	1.98E-08	8.01E-08
ENSMUSG00000038365	FBXO25	-0.73783	0.131435	1.98E-08	8.02E-08
ENSMUSG00000021592	ARSK	-1.38642	0.247012	1.99E-08	8.06E-08
ENSMUSG00000002007	SRPK3	-1.13327	0.201912	1.99E-08	8.06E-08
ENSMUSG00000001158	SNRNP27	0.484755	0.086376	2.00E-08	8.08E-08
ENSMUSG00000020561	TWISTNB	0.570722	0.101693	2.00E-08	8.08E-08
ENSMUSG00000038205	PRKAB2	0.461938	0.082337	2.02E-08	8.16E-08
ENSMUSG00000000183	FGF6	-2.26707	0.404149	2.03E-08	8.20E-08
ENSMUSG00000037112	SIK2	-0.58048	0.10351	2.05E-08	8.27E-08
ENSMUSG00000025035	ARL3	0.76488	0.136477	2.09E-08	8.44E-08
ENSMUSG00000039178	TBC1D19	-0.77881	0.138997	2.11E-08	8.51E-08
ENSMUSG00000028010	GAR1	1.170534	0.208929	2.11E-08	8.53E-08
ENSMUSG00000090665	GAD1-PS	2.284766	0.407907	2.13E-08	8.60E-08
ENSMUSG00000020034	TCP11L2	-0.93318	0.166646	2.15E-08	8.66E-08
ENSMUSG00000037531	MRPL47	0.784573	0.140125	2.15E-08	8.70E-08
ENSMUSG00000045316	FAHD1	1.052101	0.187955	2.17E-08	8.77E-08
ENSMUSG00000063659	ZBTB18	-0.75675	0.135204	2.18E-08	8.79E-08
ENSMUSG00000000182	FGF23	3.038427	0.54292	2.19E-08	8.82E-08
ENSMUSG00000006216	CLCNKB	0.828603	0.148094	2.20E-08	8.89E-08
ENSMUSG00000030270	CPNE9	1.942344	0.34726	2.23E-08	8.98E-08
ENSMUSG00000030663	1110004F10RII	0.469591	0.083958	2.23E-08	8.99E-08
ENSMUSG00000026925	INPP5E	-0.53591	0.095845	2.25E-08	9.07E-08
ENSMUSG00000032458	COPB2	0.528392	0.094532	2.28E-08	9.17E-08
ENSMUSG00000037007	ZFP113	1.217253	0.217777	2.28E-08	9.17E-08
ENSMUSG00000063856	GPX1	0.770003	0.137814	2.31E-08	9.29E-08
ENSMUSG00000021614	VCAN	1.822441	0.326243	2.32E-08	9.35E-08
ENSMUSG00000048636	A730049H05RI	2.801682	0.501584	2.33E-08	9.37E-08
ENSMUSG00000052485	TMEM171	-0.9989	0.178856	2.34E-08	9.41E-08
ENSMUSG00000093769	HIST2H3C1	1.829783	0.327696	2.35E-08	9.47E-08
ENSMUSG00000026544	DUSP23	0.566086	0.101386	2.36E-08	9.48E-08
ENSMUSG00000005628	TMOD4	-1.97095	0.353044	2.37E-08	9.52E-08
ENSMUSG00000023007	PRPF40B	0.619883	0.111052	2.38E-08	9.56E-08
ENSMUSG00000045502	HCAR2	3.681456	0.659604	2.39E-08	9.59E-08
ENSMUSG00000001569	NOM1	0.550988	0.098722	2.39E-08	9.60E-08
ENSMUSG00000028953	ABCF2	0.460746	0.082554	2.39E-08	9.60E-08
ENSMUSG00000040102	KLHL42	-1.3176	0.236154	2.41E-08	9.69E-08
ENSMUSG00000029730	MCM7	0.734128	0.131592	2.42E-08	9.72E-08

ENSMUSG00000026172	BCS1L	-0.50156	0.089914	2.43E-08	9.75E-08
ENSMUSG00000039321	UTS2R	-3.01018	0.539638	2.43E-08	9.76E-08
ENSMUSG00000025041	NT5C2	0.47038	0.08433	2.44E-08	9.77E-08
ENSMUSG00000019989	ENPP3	-1.07915	0.193483	2.44E-08	9.79E-08
ENSMUSG00000070873	LILRA5	-1.17012	0.209796	2.44E-08	9.79E-08
ENSMUSG00000024037	WDR4	0.747244	0.133982	2.44E-08	9.80E-08
ENSMUSG00000024304	CDH2	-0.51749	0.09279	2.45E-08	9.81E-08
ENSMUSG00000026434	NUCKS1	0.477098	0.085559	2.46E-08	9.85E-08
ENSMUSG00000098093	GM8707	-2.86124	0.513127	2.46E-08	9.86E-08
ENSMUSG00000068329	HTRA2	0.499669	0.089626	2.47E-08	9.91E-08
ENSMUSG00000041225	ARHGAP12	-0.5719	0.102614	2.50E-08	1.00E-07
ENSMUSG00000042757	TMEM108	0.938089	0.168321	2.50E-08	1.00E-07
ENSMUSG00000055491	PPRC1	0.832123	0.149322	2.51E-08	1.00E-07
ENSMUSG00000028857	TMEM222	0.56219	0.100885	2.51E-08	1.00E-07
ENSMUSG00000019843	FYN	0.470336	0.084409	2.52E-08	1.01E-07
ENSMUSG00000037736	LIMCH1	-0.87973	0.157905	2.53E-08	1.01E-07
ENSMUSG00000032939	NUP93	0.524687	0.094181	2.53E-08	1.01E-07
ENSMUSG00000018604	TBX3	-0.65367	0.117334	2.53E-08	1.01E-07
ENSMUSG00000047084	NGRN	0.505356	0.090727	2.55E-08	1.02E-07
ENSMUSG00000024958	GPR137	-0.49533	0.088931	2.55E-08	1.02E-07
ENSMUSG00000025784	CLEC3B	-2.01933	0.362554	2.55E-08	1.02E-07
ENSMUSG00000045349	SH2D5	3.089052	0.554688	2.56E-08	1.02E-07
ENSMUSG00000056888	GLIPR1	1.449367	0.260285	2.57E-08	1.03E-07
ENSMUSG00000068245	PHF11D	-0.67376	0.121066	2.62E-08	1.05E-07
ENSMUSG00000039033	TASP1	0.603799	0.108505	2.63E-08	1.05E-07
ENSMUSG00000042425	FRMPD3	-2.345	0.421452	2.63E-08	1.05E-07
ENSMUSG00000070702	CSN1S1	2.610556	0.469301	2.66E-08	1.06E-07
ENSMUSG00000029629	PHF14	-0.50699	0.091156	2.67E-08	1.06E-07
ENSMUSG00000069265	HIST1H3A	3.136436	0.563952	2.67E-08	1.07E-07
ENSMUSG00000035829	PPP1R26	-1.8098	0.325425	2.68E-08	1.07E-07
ENSMUSG00000071369	MAP3K5	-0.98387	0.176944	2.69E-08	1.07E-07
ENSMUSG00000028082	SH3D19	-1.55708	0.28005	2.70E-08	1.07E-07
ENSMUSG00000039126	PRUNE2	-0.71945	0.129422	2.71E-08	1.08E-07
ENSMUSG00000027424	MGME1	-0.54026	0.097203	2.73E-08	1.09E-07
ENSMUSG00000024424	TTC39C	0.599784	0.107929	2.74E-08	1.09E-07
ENSMUSG00000015597	ZFP318	-0.85844	0.154485	2.75E-08	1.09E-07
ENSMUSG00000031546	GIN54	0.526604	0.094805	2.78E-08	1.11E-07
ENSMUSG00000083306	GM13868	2.751915	0.495522	2.80E-08	1.11E-07
ENSMUSG00000025232	HEXA	0.682346	0.122884	2.81E-08	1.12E-07
ENSMUSG00000057315	ARHGAP24	-0.95499	0.171985	2.81E-08	1.12E-07
ENSMUSG00000056394	LIG1	1.159673	0.208906	2.84E-08	1.13E-07
ENSMUSG00000053477	TCF4	-0.54323	0.097867	2.84E-08	1.13E-07
ENSMUSG00000006169	CLINT1	0.458612	0.082627	2.85E-08	1.13E-07
ENSMUSG00000029486	MRPL1	0.726456	0.130886	2.85E-08	1.13E-07
ENSMUSG00000017204	GSDMA	3.001271	0.540846	2.87E-08	1.14E-07
ENSMUSG00000024914	DRAP1	0.464441	0.083715	2.89E-08	1.15E-07
ENSMUSG00000072966	GPRASP2	-1.90437	0.343344	2.91E-08	1.16E-07
ENSMUSG00000053333	DIS3L2	-0.58042	0.104703	2.96E-08	1.18E-07
ENSMUSG00000020315	SPTBN1	-0.49025	0.088456	2.99E-08	1.19E-07
ENSMUSG00000034533	SCN10A	-1.00614	0.181552	2.99E-08	1.19E-07

ENSMUSG00000030316	TAMM41	0.714622	0.128975	3.01E-08	1.19E-07
ENSMUSG00000025825	ISCU	0.715488	0.129159	3.03E-08	1.20E-07
ENSMUSG00000043411	USP48	0.631805	0.114056	3.03E-08	1.20E-07
ENSMUSG00000080874	GM15010	2.683403	0.484418	3.03E-08	1.20E-07
ENSMUSG000000102428	PCDHGA12	-0.82853	0.149573	3.04E-08	1.20E-07
ENSMUSG00000022332	KHDRBS3	-0.99236	0.179351	3.15E-08	1.25E-07
ENSMUSG00000026770	IL2RA	-1.91521	0.346164	3.15E-08	1.25E-07
ENSMUSG00000031988	VPS26B	-0.47352	0.085585	3.15E-08	1.25E-07
ENSMUSG00000043648	PLD6	-2.66451	0.481617	3.16E-08	1.25E-07
ENSMUSG00000005057	SH2B2	1.621902	0.293169	3.16E-08	1.25E-07
ENSMUSG00000063410	STK24	-0.4623	0.083566	3.16E-08	1.25E-07
ENSMUSG00000009112	BCL2L13	-0.51295	0.092744	3.19E-08	1.26E-07
ENSMUSG00000031782	COQ9	-0.75856	0.137208	3.23E-08	1.28E-07
ENSMUSG00000034168	IRF2BPL	-0.46467	0.084054	3.23E-08	1.28E-07
ENSMUSG00000035455	FIGNL1	1.149087	0.207896	3.25E-08	1.29E-07
ENSMUSG00000003235	EIF2B5	0.953497	0.172566	3.29E-08	1.30E-07
ENSMUSG00000033417	CACUL1	0.561319	0.10159	3.29E-08	1.30E-07
ENSMUSG00000040034	NUP43	0.750037	0.135751	3.29E-08	1.30E-07
ENSMUSG00000021745	PTPRG	-0.56177	0.101698	3.32E-08	1.31E-07
ENSMUSG00000030474	SIGLECE	1.363219	0.246804	3.32E-08	1.31E-07
ENSMUSG00000017707	SERINC3	0.496589	0.089935	3.36E-08	1.33E-07
ENSMUSG00000016624	PHF21B	-1.50497	0.272571	3.36E-08	1.33E-07
ENSMUSG00000049659	AFTPH	0.502256	0.09097	3.37E-08	1.33E-07
ENSMUSG00000038119	CDON	-1.02778	0.186301	3.45E-08	1.36E-07
ENSMUSG00000002428	HLTF	-0.62106	0.112579	3.46E-08	1.36E-07
ENSMUSG00000025968	NDUFS1	-0.61388	0.111299	3.48E-08	1.37E-07
ENSMUSG00000031378	ABCD1	-0.63758	0.115625	3.50E-08	1.38E-07
ENSMUSG00000031637	LRP2BP	-1.96797	0.356946	3.52E-08	1.39E-07
ENSMUSG00000036840	SIAH1A	0.528275	0.095829	3.53E-08	1.39E-07
ENSMUSG00000023147	WRB	-0.78736	0.142831	3.54E-08	1.39E-07
ENSMUSG00000039824	MYL6B	0.78227	0.141914	3.54E-08	1.40E-07
ENSMUSG00000045392	OLFR1033	1.553691	0.28188	3.55E-08	1.40E-07
ENSMUSG00000047434	XXYLT1	-0.95501	0.173267	3.55E-08	1.40E-07
ENSMUSG00000063049	ING2	0.844046	0.15315	3.56E-08	1.40E-07
ENSMUSG00000057421	LAS1L	0.457391	0.083015	3.59E-08	1.41E-07
ENSMUSG00000050511	OPRD1	-2.1209	0.384993	3.61E-08	1.42E-07
ENSMUSG00000024223	ARMC12	2.699188	0.490061	3.63E-08	1.43E-07
ENSMUSG00000021799	OPN4	-0.80397	0.145973	3.64E-08	1.43E-07
ENSMUSG00000047330	KCNE4	1.85823	0.337409	3.64E-08	1.43E-07
ENSMUSG00000058446	ZNRF2	0.894176	0.162369	3.65E-08	1.43E-07
ENSMUSG00000020271	FBXW11	0.474773	0.086254	3.71E-08	1.46E-07
ENSMUSG00000040658	DNPH1	1.469798	0.267034	3.71E-08	1.46E-07
ENSMUSG00000029925	TBXAS1	0.901207	0.163845	3.79E-08	1.49E-07
ENSMUSG00000033713	FOXN3	-0.80085	0.145656	3.84E-08	1.51E-07
ENSMUSG00000074212	DNAJB14	0.592303	0.107757	3.87E-08	1.52E-07
ENSMUSG00000024750	ZFAND5	0.654674	0.119133	3.90E-08	1.53E-07
ENSMUSG00000062128	OLFR20	2.714942	0.494054	3.90E-08	1.53E-07
ENSMUSG00000084786	UBL5	0.586525	0.106749	3.92E-08	1.54E-07
ENSMUSG00000020467	EFEMP1	-1.11807	0.203516	3.93E-08	1.54E-07
ENSMUSG00000028850	GPATCH3	0.830421	0.15119	3.96E-08	1.55E-07

ENSMUSG00000052293	TAF9	1.297537	0.236242	3.97E-08	1.55E-07
ENSMUSG00000001467	CYP51	-0.88123	0.160455	3.97E-08	1.56E-07
ENSMUSG000000024121	ATP6VOC	0.505403	0.092029	3.98E-08	1.56E-07
ENSMUSG000000021932	RNASEH2B	0.638184	0.116222	3.99E-08	1.57E-07
ENSMUSG000000025154	ARHGAP19	1.083858	0.197397	4.00E-08	1.57E-07
ENSMUSG00000002227	MOV10	-0.64845	0.11811	4.01E-08	1.57E-07
ENSMUSG000000057173	RFX8	-2.40623	0.438416	4.05E-08	1.59E-07
ENSMUSG000000042724	MAP3K9	1.657624	0.302035	4.06E-08	1.59E-07
ENSMUSG000000067430	ZFP763	-1.05401	0.192161	4.13E-08	1.62E-07
ENSMUSG000000027423	SNX5	0.514769	0.093867	4.16E-08	1.63E-07
ENSMUSG000000037017	ZSCAN21	0.504831	0.092078	4.19E-08	1.64E-07
ENSMUSG000000030830	ITGAL	1.154115	0.210516	4.20E-08	1.64E-07
ENSMUSG000000069274	HIST1H4F	2.910431	0.530995	4.23E-08	1.65E-07
ENSMUSG000000000948	GM38393	-1.43556	0.261943	4.24E-08	1.66E-07
ENSMUSG000000036112	METAP2	0.460089	0.08396	4.26E-08	1.66E-07
ENSMUSG000000028382	PTBP3	0.622746	0.11365	4.27E-08	1.67E-07
ENSMUSG000000024943	SMC5	0.701716	0.128079	4.28E-08	1.67E-07
ENSMUSG000000039835	NHSL1	-0.97143	0.177309	4.28E-08	1.67E-07
ENSMUSG000000028782	ADGRB2	-1.51018	0.275673	4.30E-08	1.68E-07
ENSMUSG000000023952	GTPBP2	-0.47782	0.087224	4.30E-08	1.68E-07
ENSMUSG000000021250	FOS	2.41521	0.440909	4.31E-08	1.68E-07
ENSMUSG000000029433	DIABLO	0.460588	0.084102	4.34E-08	1.69E-07
ENSMUSG000000078517	EMC1	0.459651	0.083944	4.36E-08	1.70E-07
ENSMUSG000000027509	RAE1	0.518413	0.094703	4.40E-08	1.72E-07
ENSMUSG000000040859	BSDC1	0.548255	0.100166	4.41E-08	1.72E-07
ENSMUSG000000024645	TIMM21	-0.52204	0.095393	4.44E-08	1.73E-07
ENSMUSG000000041445	MMRN2	-0.67286	0.122959	4.44E-08	1.73E-07
ENSMUSG000000027454	GIN51	0.987844	0.180521	4.45E-08	1.73E-07
ENSMUSG000000018669	CDK5RAP3	0.568838	0.103967	4.47E-08	1.74E-07
ENSMUSG000000019143	HARS2	-0.60198	0.110029	4.47E-08	1.74E-07
ENSMUSG000000002222	RMND5A	-0.45425	0.083029	4.48E-08	1.74E-07
ENSMUSG000000022151	TTC33	0.548549	0.100266	4.48E-08	1.74E-07
ENSMUSG000000024472	DCP2	0.773764	0.141435	4.48E-08	1.74E-07
ENSMUSG000000034252	SENP6	0.474898	0.086827	4.51E-08	1.76E-07
ENSMUSG000000096685	GM3642	2.852356	0.521762	4.58E-08	1.78E-07
ENSMUSG000000069272	HIST1H2AE	2.241711	0.410139	4.61E-08	1.79E-07
ENSMUSG000000021400	WRNIP1	-0.49634	0.090832	4.64E-08	1.81E-07
ENSMUSG000000036913	TRIM67	-1.31928	0.241481	4.67E-08	1.82E-07
ENSMUSG000000110685	GM5373	0.830569	0.152084	4.73E-08	1.84E-07
ENSMUSG000000046731	KCTD11	0.888259	0.162714	4.79E-08	1.86E-07
ENSMUSG000000110206	FLT3L	-0.69065	0.126526	4.80E-08	1.86E-07
ENSMUSG000000051043	GPRC5C	-1.01483	0.185974	4.85E-08	1.88E-07
ENSMUSG000000037325	BBS7	-0.83192	0.152497	4.89E-08	1.90E-07
ENSMUSG000000027194	TTC17	0.471058	0.086352	4.89E-08	1.90E-07
ENSMUSG000000023175	BSG	0.759919	0.139316	4.91E-08	1.90E-07
ENSMUSG000000022387	BRD1	-0.51538	0.094532	4.98E-08	1.93E-07
ENSMUSG000000028906	EPB41	-0.45884	0.084177	5.01E-08	1.94E-07
ENSMUSG000000045551	FPR1	3.722282	0.682997	5.04E-08	1.95E-07
ENSMUSG000000001751	NAGLU	0.728191	0.133616	5.04E-08	1.95E-07
ENSMUSG000000008668	RPS18	1.009118	0.185171	5.05E-08	1.96E-07

ENSMUSG00000024537	PSMG2	-0.55925	0.102647	5.09E-08	1.97E-07
ENSMUSG00000083798	GM14584	1.677953	0.308079	5.14E-08	1.99E-07
ENSMUSG00000018900	SLC22A5	-0.62944	0.115575	5.15E-08	1.99E-07
ENSMUSG00000031444	F10	2.727914	0.500907	5.15E-08	1.99E-07
ENSMUSG00000073792	ALG6	-0.99888	0.183433	5.17E-08	2.00E-07
ENSMUSG00000058755	OSM	2.454439	0.450738	5.17E-08	2.00E-07
ENSMUSG000000101750	OLFR1392	2.323277	0.426667	5.18E-08	2.00E-07
ENSMUSG00000024414	MRPL27	0.53745	0.098718	5.20E-08	2.01E-07
ENSMUSG00000046974	BC053393	-1.30921	0.240481	5.21E-08	2.01E-07
ENSMUSG00000031774	FAM192A	0.582546	0.107023	5.23E-08	2.02E-07
ENSMUSG00000080896	GM14567	1.089093	0.200083	5.23E-08	2.02E-07
ENSMUSG00000055561	SPINK5	2.740665	0.503613	5.27E-08	2.03E-07
ENSMUSG00000002748	BAZ1B	-0.46017	0.084573	5.29E-08	2.04E-07
ENSMUSG00000017754	PLTP	-1.25727	0.231108	5.32E-08	2.05E-07
ENSMUSG00000048076	ARF1	0.468571	0.086131	5.32E-08	2.05E-07
ENSMUSG00000061331	GM17132	-1.5817	0.290753	5.33E-08	2.06E-07
ENSMUSG00000025764	JADE1	-0.79405	0.145969	5.33E-08	2.06E-07
ENSMUSG00000008393	CARHSP1	0.862806	0.158621	5.35E-08	2.06E-07
ENSMUSG00000022911	ARL13B	-0.72899	0.134046	5.38E-08	2.07E-07
ENSMUSG00000020689	ITGB3	0.932559	0.171529	5.43E-08	2.09E-07
ENSMUSG00000036309	SKP1A	0.563491	0.103668	5.46E-08	2.11E-07
ENSMUSG00000036992	NXT1	0.677727	0.124709	5.50E-08	2.12E-07
ENSMUSG00000041645	DDX24	0.44957	0.082737	5.52E-08	2.13E-07
ENSMUSG00000028893	SESN2	0.618796	0.113891	5.53E-08	2.13E-07
ENSMUSG00000038020	RAPGEFL1	-1.48994	0.274235	5.54E-08	2.13E-07
ENSMUSG00000071691	GM960	2.59985	0.47853	5.54E-08	2.13E-07
ENSMUSG00000059273	ZC3H4	-0.50726	0.093369	5.55E-08	2.13E-07
ENSMUSG00000019054	FIS1	0.450349	0.082897	5.55E-08	2.14E-07
ENSMUSG00000079110	CAPN3	-1.43978	0.265055	5.57E-08	2.14E-07
ENSMUSG00000023055	CALCOCO1	-0.4484	0.082554	5.58E-08	2.15E-07
ENSMUSG00000031443	F7	2.302025	0.423931	5.63E-08	2.16E-07
ENSMUSG00000033955	TNKS1BP1	-0.4973	0.091582	5.63E-08	2.17E-07
ENSMUSG00000048429	TIMM29	-0.45004	0.082889	5.65E-08	2.17E-07
ENSMUSG00000044052	CCR10	-1.74675	0.321803	5.70E-08	2.19E-07
ENSMUSG00000051557	PUSL1	0.654105	0.120505	5.70E-08	2.19E-07
ENSMUSG000000110819	OLFR1252	2.67623	0.493046	5.70E-08	2.19E-07
ENSMUSG00000033319	FEM1C	0.461092	0.084958	5.72E-08	2.20E-07
ENSMUSG00000029613	EIF2AK1	0.476268	0.087775	5.76E-08	2.21E-07
ENSMUSG00000016933	PLCG1	-0.72668	0.133928	5.77E-08	2.21E-07
ENSMUSG00000044501	ZFP758	-0.64786	0.119422	5.80E-08	2.22E-07
ENSMUSG00000016757	TTLL12	0.718927	0.13256	5.85E-08	2.24E-07
ENSMUSG00000034377	TULP4	0.694388	0.128041	5.85E-08	2.25E-07
ENSMUSG00000001036	EPN2	-0.67908	0.125223	5.86E-08	2.25E-07
ENSMUSG00000036435	EXOC1	0.705457	0.130142	5.94E-08	2.28E-07
ENSMUSG00000050697	PRKAA1	0.477961	0.088189	5.97E-08	2.29E-07
ENSMUSG00000060967	ETD	2.797031	0.516171	6.00E-08	2.30E-07
ENSMUSG00000056752	DNAH9	3.044926	0.562136	6.07E-08	2.32E-07
ENSMUSG00000037075	RNF139	-0.45544	0.084093	6.10E-08	2.33E-07
ENSMUSG00000026972	ARRDC1	0.80071	0.147855	6.11E-08	2.34E-07
ENSMUSG00000028890	MTF1	0.732067	0.13519	6.13E-08	2.34E-07

ENSMUSG00000049653	SPATC1	2.911289	0.53763	6.13E-08	2.34E-07
ENSMUSG00000049526	TMEM202	1.222219	0.225715	6.13E-08	2.35E-07
ENSMUSG00000005374	TBL2	0.849476	0.156937	6.20E-08	2.37E-07
ENSMUSG00000040463	MYBBP1A	1.121222	0.207168	6.23E-08	2.38E-07
ENSMUSG00000028017	EGF	-1.37631	0.254418	6.32E-08	2.41E-07
ENSMUSG00000042401	CRTAC1	2.649832	0.490064	6.40E-08	2.45E-07
ENSMUSG00000087006	GM13889	2.572721	0.475938	6.46E-08	2.47E-07
ENSMUSG00000042225	AMMECR1	0.549925	0.101749	6.49E-08	2.48E-07
ENSMUSG00000079242	C730034F03RII	0.895711	0.1658	6.58E-08	2.51E-07
ENSMUSG00000025069	GSTO2	1.355803	0.251034	6.63E-08	2.53E-07
ENSMUSG000000110189	GM45665	-1.56086	0.289064	6.67E-08	2.55E-07
ENSMUSG00000020309	CHAC2	-0.61685	0.114248	6.69E-08	2.55E-07
ENSMUSG00000032060	CRYAB	0.894805	0.165763	6.74E-08	2.57E-07
ENSMUSG000000103567	PCDHGA5	-0.77238	0.143083	6.73E-08	2.57E-07
ENSMUSG00000030446	ZFP273	-1.29878	0.240673	6.80E-08	2.59E-07
ENSMUSG00000032329	HMG20A	-0.50796	0.094161	6.87E-08	2.62E-07
ENSMUSG00000082101	SLFN14	2.656628	0.492513	6.89E-08	2.63E-07
ENSMUSG00000020150	GAMT	-0.76732	0.14228	6.93E-08	2.64E-07
ENSMUSG00000030165	KLRD1	2.155793	0.399769	6.94E-08	2.65E-07
ENSMUSG00000027365	TRPM7	-0.5972	0.110757	6.97E-08	2.65E-07
ENSMUSG00000015189	CASD1	-0.79804	0.148046	7.03E-08	2.68E-07
ENSMUSG00000074877	GM10780	-3.37113	0.625456	7.05E-08	2.68E-07
ENSMUSG00000029600	RITA1	-0.73771	0.136929	7.14E-08	2.72E-07
ENSMUSG00000031075	ANO1	-1.10058	0.204294	7.15E-08	2.72E-07
ENSMUSG00000035047	KRI1	0.726609	0.134903	7.20E-08	2.74E-07
ENSMUSG00000042707	DNALI1	2.697525	0.500822	7.20E-08	2.74E-07
ENSMUSG00000047945	MARCKSL1	1.514381	0.281221	7.24E-08	2.76E-07
ENSMUSG00000067786	NNAT	-1.29771	0.240995	7.25E-08	2.76E-07
ENSMUSG00000023336	WFDC1	-1.00062	0.185836	7.27E-08	2.76E-07
ENSMUSG00000018263	TBX5	-0.96441	0.179115	7.27E-08	2.76E-07
ENSMUSG00000038963	SLCO4A1	4.029381	0.748785	7.40E-08	2.81E-07
ENSMUSG00000032855	PKD1	-1.04346	0.194021	7.53E-08	2.86E-07
ENSMUSG00000030922	LYRM1	0.696853	0.129766	7.87E-08	2.99E-07
ENSMUSG00000020409	SLU7	0.708469	0.131951	7.91E-08	3.00E-07
ENSMUSG00000050954	ZFP169	-1.20845	0.225093	7.93E-08	3.01E-07
ENSMUSG00000038372	GMDS	1.051667	0.195947	8.00E-08	3.04E-07
ENSMUSG00000028104	POLR3GL	0.714796	0.133186	8.01E-08	3.04E-07
ENSMUSG00000058427	CXCL2	3.620508	0.674606	8.01E-08	3.04E-07
ENSMUSG000000110195	PDE2A	-2.00638	0.37394	8.07E-08	3.06E-07
ENSMUSG00000021139	GM20498	0.698636	0.130323	8.28E-08	3.14E-07
ENSMUSG00000057156	HOMEZ	0.785013	0.146465	8.34E-08	3.16E-07
ENSMUSG00000037313	TACC3	1.239903	0.231356	8.36E-08	3.17E-07
ENSMUSG00000032328	TMEM30A	0.451693	0.084313	8.45E-08	3.20E-07
ENSMUSG00000030393	ZIK1	-1.18594	0.221378	8.46E-08	3.20E-07
ENSMUSG00000027088	PHOSPHO2	-0.50105	0.09355	8.51E-08	3.22E-07
ENSMUSG00000028386	SLC46A2	-2.64768	0.49436	8.52E-08	3.23E-07
ENSMUSG00000082361	BTC	-1.44186	0.269268	8.57E-08	3.24E-07
ENSMUSG00000079036	ALKBH1	0.729403	0.136226	8.59E-08	3.25E-07
ENSMUSG00000042520	UBAP2L	-0.45468	0.08497	8.74E-08	3.31E-07
ENSMUSG00000001445	MRPL10	0.444129	0.082999	8.75E-08	3.31E-07

ENSMUSG00000043153	ISPD	-0.78379	0.146479	8.75E-08	3.31E-07
ENSMUSG00000031987	EGLN1	-0.85634	0.160042	8.76E-08	3.31E-07
ENSMUSG00000038782	1700028J19RIK	1.44611	0.27029	8.79E-08	3.32E-07
ENSMUSG00000026475	RGS16	1.183419	0.221203	8.80E-08	3.32E-07
ENSMUSG00000035203	EPN1	0.464653	0.086852	8.80E-08	3.32E-07
ENSMUSG00000060512	0610040J01RIK	-1.18779	0.222085	8.88E-08	3.35E-07
ENSMUSG00000071637	CEBPD	1.353911	0.253236	8.97E-08	3.39E-07
ENSMUSG000000109899	GM6012	2.654584	0.496512	8.97E-08	3.39E-07
ENSMUSG00000047686	RTL3	-1.79988	0.336681	9.00E-08	3.40E-07
ENSMUSG00000006931	P3H4	-0.64579	0.120801	9.00E-08	3.40E-07
ENSMUSG00000001750	TCIRG1	1.032331	0.193112	9.00E-08	3.40E-07
ENSMUSG00000031731	AP1G1	0.522902	0.097827	9.03E-08	3.41E-07
ENSMUSG00000049119	FAM110B	-1.03938	0.194488	9.08E-08	3.43E-07
ENSMUSG00000052488	CHERP	-0.61921	0.115867	9.09E-08	3.43E-07
ENSMUSG00000027368	DUSP2	1.935396	0.362178	9.10E-08	3.43E-07
ENSMUSG00000080741	GM11398	4.138131	0.774526	9.15E-08	3.45E-07
ENSMUSG000000111485	GM48443	-0.56532	0.105827	9.20E-08	3.47E-07
ENSMUSG00000033307	MIF	0.815177	0.15271	9.39E-08	3.54E-07
ENSMUSG000000102091	OLFR1034	-1.675	0.313842	9.45E-08	3.56E-07
ENSMUSG00000001065	ZFP276	-0.70117	0.131394	9.48E-08	3.57E-07
ENSMUSG00000021114	ATP6V1D	0.590853	0.110726	9.49E-08	3.57E-07
ENSMUSG00000031497	TNFSF13B	1.148161	0.215182	9.51E-08	3.58E-07
ENSMUSG00000039634	ZFP189	-0.72601	0.136085	9.56E-08	3.60E-07
ENSMUSG00000002372	RANBP3	0.443807	0.083203	9.61E-08	3.61E-07
ENSMUSG00000000901	MMP11	-1.45999	0.27391	9.81E-08	3.69E-07
ENSMUSG00000007880	ARID1A	-0.44843	0.084163	9.92E-08	3.73E-07
ENSMUSG00000029027	DFFB	-0.91654	0.172027	9.94E-08	3.74E-07
ENSMUSG00000022507	1810013L24RIK	0.686483	0.128853	9.95E-08	3.74E-07
ENSMUSG00000020671	RAB10	-0.44256	0.083071	9.96E-08	3.74E-07
ENSMUSG00000038806	SDE2	0.51709	0.09706	9.95E-08	3.74E-07
ENSMUSG00000032062	2310030G06RIK	1.316102	0.24713	1.01E-07	3.78E-07
ENSMUSG00000073982	RHOG	0.798945	0.150035	1.01E-07	3.79E-07
ENSMUSG00000032757	BET1	0.73594	0.13824	1.02E-07	3.82E-07
ENSMUSG00000030298	SEC13	0.448807	0.084311	1.02E-07	3.83E-07
ENSMUSG00000042073	ABHD14B	-0.75176	0.141241	1.02E-07	3.84E-07
ENSMUSG00000043661	GM9785	2.705232	0.50841	1.03E-07	3.87E-07
ENSMUSG00000022945	CHAF1B	1.767256	0.332146	1.03E-07	3.88E-07
ENSMUSG00000035228	CCDC106	1.634692	0.307297	1.04E-07	3.90E-07
ENSMUSG00000020135	APC2	-1.2011	0.22582	1.04E-07	3.92E-07
ENSMUSG00000032744	HEYL	-0.91641	0.172302	1.05E-07	3.92E-07
ENSMUSG00000055322	TNS1	-0.43681	0.082149	1.05E-07	3.95E-07
ENSMUSG00000024253	DYNC2LI1	-1.02962	0.193663	1.06E-07	3.96E-07
ENSMUSG00000034931	DHX8	0.67131	0.126269	1.06E-07	3.96E-07
ENSMUSG00000021846	PELI2	-0.57293	0.107773	1.06E-07	3.97E-07
ENSMUSG00000040354	MARS	0.732518	0.137822	1.07E-07	4.00E-07
ENSMUSG00000035305	ROR1	-0.64017	0.120451	1.07E-07	4.00E-07
ENSMUSG00000049792	BAG5	0.524822	0.098778	1.08E-07	4.03E-07
ENSMUSG00000025375	AATK	-0.8797	0.165596	1.08E-07	4.05E-07
ENSMUSG00000058975	KCNC1	-2.31914	0.43659	1.08E-07	4.06E-07
ENSMUSG00000001098	KCTD10	0.789453	0.148634	1.09E-07	4.07E-07

ENSMUSG00000040446	RPRD1A	-0.44067	0.082967	1.09E-07	4.07E-07
ENSMUSG00000037210	FAM193A	-0.57104	0.107516	1.09E-07	4.07E-07
ENSMUSG00000078921	TGTP2	-1.5435	0.290639	1.09E-07	4.08E-07
ENSMUSG00000028701	LURAP1	-1.24963	0.235384	1.10E-07	4.12E-07
ENSMUSG00000003477	INMT	-3.43517	0.647261	1.11E-07	4.16E-07
ENSMUSG00000021367	EDN1	1.079041	0.20334	1.12E-07	4.17E-07
ENSMUSG00000002871	TPRA1	-0.76647	0.144442	1.12E-07	4.18E-07
ENSMUSG00000019301	HSD17B1	-2.2011	0.414821	1.12E-07	4.18E-07
ENSMUSG00000021552	GKAP1	-0.51024	0.096199	1.13E-07	4.23E-07
ENSMUSG00000001909	TRMT1	0.824315	0.15544	1.14E-07	4.25E-07
ENSMUSG00000036333	KIDINS220	-0.43861	0.082708	1.14E-07	4.25E-07
ENSMUSG00000024411	AQP4	-2.96617	0.559381	1.14E-07	4.26E-07
ENSMUSG00000022836	MYLK	-0.79719	0.150384	1.15E-07	4.29E-07
ENSMUSG00000026374	TSN	0.521543	0.098424	1.16E-07	4.34E-07
ENSMUSG00000031960	AARS	0.515173	0.097224	1.17E-07	4.34E-07
ENSMUSG00000040253	GBP7	-1.35143	0.25505	1.17E-07	4.35E-07
ENSMUSG00000041238	RBBP8	0.638064	0.120481	1.18E-07	4.41E-07
ENSMUSG00000024487	YIPF5	0.488531	0.092258	1.19E-07	4.43E-07
ENSMUSG00000045160	BOLA3	0.524978	0.099149	1.19E-07	4.44E-07
ENSMUSG00000047061	GM9817	2.671426	0.504536	1.19E-07	4.44E-07
ENSMUSG00000038803	OST4	0.442442	0.083609	1.21E-07	4.51E-07
ENSMUSG00000004849	AP1S1	0.693503	0.131089	1.22E-07	4.54E-07
ENSMUSG00000053644	ALDH7A1	-0.58194	0.110036	1.23E-07	4.58E-07
ENSMUSG00000025188	HPS1	0.798138	0.150929	1.24E-07	4.59E-07
ENSMUSG00000020111	MICU1	0.522476	0.098824	1.24E-07	4.63E-07
ENSMUSG00000028411	APTX	0.482443	0.091255	1.25E-07	4.63E-07
ENSMUSG00000068335	DOK1	1.454576	0.275137	1.25E-07	4.63E-07
ENSMUSG00000041763	TPP2	0.739093	0.139804	1.25E-07	4.63E-07
ENSMUSG00000042404	DENND4B	-0.61648	0.116617	1.25E-07	4.64E-07
ENSMUSG00000020473	AEBP1	0.704258	0.133264	1.26E-07	4.68E-07
ENSMUSG00000080989	GM14048	-2.51635	0.476346	1.27E-07	4.73E-07
ENSMUSG00000035606	KY	-4.23635	0.802234	1.29E-07	4.78E-07
ENSMUSG00000057469	E2F6	-0.46992	0.088999	1.29E-07	4.79E-07
ENSMUSG00000054079	UTP18	0.519424	0.098381	1.29E-07	4.80E-07
ENSMUSG00000020089	PPA1	0.447424	0.08476	1.30E-07	4.83E-07
ENSMUSG00000090539	GM9602	2.849285	0.539764	1.30E-07	4.83E-07
ENSMUSG00000058503	FAM133B	0.516812	0.097922	1.31E-07	4.85E-07
ENSMUSG00000001870	LTBP1	-1.33274	0.252538	1.31E-07	4.86E-07
ENSMUSG00000042572	UBE2Q1	0.444816	0.084296	1.31E-07	4.87E-07
ENSMUSG00000051329	NUP160	0.876304	0.166073	1.32E-07	4.88E-07
ENSMUSG00000039021	TTC16	1.863219	0.353381	1.35E-07	4.99E-07
ENSMUSG00000019774	MTRF1L	-0.824	0.156288	1.35E-07	4.99E-07
ENSMUSG00000062554	GM12751	1.121908	0.212804	1.35E-07	5.00E-07
ENSMUSG00000026520	PYCR2	0.52615	0.09981	1.35E-07	5.01E-07
ENSMUSG00000007877	TCAP	-1.03542	0.196447	1.36E-07	5.03E-07
ENSMUSG00000030187	KLRA2	2.659995	0.504791	1.37E-07	5.06E-07
ENSMUSG00000082141	GM11212	2.602847	0.494002	1.37E-07	5.08E-07
ENSMUSG00000001663	GSTT1	-0.9905	0.188057	1.39E-07	5.13E-07
ENSMUSG00000037174	ELF2	-0.44972	0.085384	1.39E-07	5.13E-07
ENSMUSG00000027998	PLRG1	0.459542	0.087263	1.39E-07	5.15E-07

ENSMUSG00000025013	TLL2	-2.01731	0.383079	1.39E-07	5.15E-07
ENSMUSG00000024654	ASRGL1	-0.82224	0.156168	1.40E-07	5.18E-07
ENSMUSG00000082588	GM15443	-1.39392	0.264761	1.40E-07	5.19E-07
ENSMUSG00000063882	UQCRH	0.659407	0.125258	1.41E-07	5.20E-07
ENSMUSG00000070002	ELL	0.825541	0.156818	1.41E-07	5.20E-07
ENSMUSG00000050921	P2RY10	2.113577	0.40159	1.42E-07	5.23E-07
ENSMUSG00000002289	ANGPTL4	2.549298	0.48448	1.43E-07	5.26E-07
ENSMUSG00000035311	GNPTAB	0.860119	0.163467	1.43E-07	5.27E-07
ENSMUSG00000036091	HYAL3	1.621615	0.308199	1.43E-07	5.27E-07
ENSMUSG00000029636	WASF3	-1.03401	0.19666	1.46E-07	5.38E-07
ENSMUSG00000034690	NLRP4C	2.631859	0.500706	1.47E-07	5.42E-07
ENSMUSG00000037318	TRAF3IP3	1.531273	0.291417	1.48E-07	5.47E-07
ENSMUSG00000022126	ACOD1	2.712467	0.516318	1.49E-07	5.50E-07
ENSMUSG00000067931	ZFP948	0.736856	0.14026	1.49E-07	5.50E-07
ENSMUSG00000022075	RHOBTB2	-0.83914	0.159756	1.50E-07	5.53E-07
ENSMUSG00000028854	SLC9A1	-0.71834	0.136762	1.50E-07	5.53E-07
ENSMUSG00000051359	NCALD	-1.0168	0.193634	1.51E-07	5.57E-07
ENSMUSG00000022881	RFC4	0.662783	0.126253	1.52E-07	5.61E-07
ENSMUSG00000021384	SUSD3	1.831235	0.348883	1.53E-07	5.64E-07
ENSMUSG00000052033	PFDN4	0.624692	0.119058	1.55E-07	5.69E-07
ENSMUSG00000004815	DGKQ	-0.90433	0.172371	1.55E-07	5.71E-07
ENSMUSG00000062082	CD200R4	3.443695	0.656401	1.55E-07	5.71E-07
ENSMUSG00000028108	ECM1	0.906931	0.172874	1.55E-07	5.71E-07
ENSMUSG00000065979	CPPED1	-0.81724	0.155782	1.55E-07	5.72E-07
ENSMUSG00000031748	GNAO1	-0.74378	0.141815	1.57E-07	5.76E-07
ENSMUSG00000021222	DCAF4	-0.92872	0.177156	1.58E-07	5.83E-07
ENSMUSG00000063849	PPCDC	0.6559	0.125133	1.59E-07	5.85E-07
ENSMUSG00000023923	TBC1D5	-0.47674	0.090978	1.60E-07	5.90E-07
ENSMUSG00000023272	CRELD2	0.504595	0.096296	1.61E-07	5.90E-07
ENSMUSG00000041263	RUSC1	-0.68468	0.130664	1.61E-07	5.90E-07
ENSMUSG000000110360	GM45380	-1.72883	0.329936	1.61E-07	5.90E-07
ENSMUSG00000004707	LY9	1.538862	0.293804	1.63E-07	5.97E-07
ENSMUSG000000111745	ENSMUSG000C	-2.64692	0.505461	1.64E-07	6.00E-07
ENSMUSG00000022681	NTAN1	0.477759	0.091236	1.64E-07	6.01E-07
ENSMUSG00000048856	SLC25A47	-0.81609	0.155892	1.65E-07	6.06E-07
ENSMUSG00000079103	TGM7	2.185062	0.417411	1.65E-07	6.06E-07
ENSMUSG00000020086	H2AFY2	-0.72662	0.138811	1.65E-07	6.07E-07
ENSMUSG00000044167	FOXO1	-0.53247	0.101736	1.66E-07	6.09E-07
ENSMUSG00000015575	ATP6V0E	0.440022	0.084084	1.67E-07	6.11E-07
ENSMUSG00000028182	LRRIQ3	1.854149	0.354332	1.67E-07	6.12E-07
ENSMUSG00000029229	CHIC2	0.514055	0.098255	1.68E-07	6.15E-07
ENSMUSG00000075270	PDE11A	-2.38225	0.455334	1.68E-07	6.15E-07
ENSMUSG00000046694	TENT5B	2.366289	0.452313	1.68E-07	6.16E-07
ENSMUSG00000017778	COX7C	0.553465	0.105798	1.68E-07	6.16E-07
ENSMUSG00000059834	SCLT1	-0.62315	0.119153	1.70E-07	6.21E-07
ENSMUSG000000102059	GM20257	1.438397	0.27505	1.70E-07	6.22E-07
ENSMUSG00000002345	BORCS8	0.495655	0.094851	1.74E-07	6.36E-07
ENSMUSG00000078429	CTDSP2	0.437803	0.08381	1.75E-07	6.42E-07
ENSMUSG00000030528	BLM	1.12077	0.214558	1.75E-07	6.42E-07
ENSMUSG00000039263	NPEPL1	-0.43466	0.083222	1.76E-07	6.45E-07

ENSMUSG00000008855	HDAC5	-0.50877	0.097442	1.78E-07	6.50E-07
ENSMUSG00000031584	GSR	0.556796	0.106669	1.79E-07	6.55E-07
ENSMUSG00000074305	PEAK1	0.445903	0.085432	1.80E-07	6.56E-07
ENSMUSG00000032437	STT3B	-0.4344	0.083231	1.80E-07	6.57E-07
ENSMUSG00000021585	CAST	0.437354	0.083808	1.80E-07	6.59E-07
ENSMUSG00000042557	SIN3A	-0.73623	0.141104	1.81E-07	6.62E-07
ENSMUSG00000061414	CRACR2A	-1.36137	0.260939	1.82E-07	6.64E-07
ENSMUSG00000030859	FAM24A	2.710999	0.519703	1.82E-07	6.66E-07
ENSMUSG00000047044	D030056L22RII	-0.58421	0.112	1.83E-07	6.67E-07
ENSMUSG00000079260	TMPPE	-0.9223	0.176854	1.84E-07	6.71E-07
ENSMUSG00000045629	SH3TC2	-0.83554	0.160229	1.84E-07	6.72E-07
ENSMUSG00000074676	FOXS1	0.972776	0.186561	1.85E-07	6.74E-07
ENSMUSG00000039713	PLEKHG5	-0.50179	0.096258	1.86E-07	6.78E-07
ENSMUSG00000075031	HIST1H2BB	1.715022	0.329061	1.87E-07	6.82E-07
ENSMUSG00000022377	ASAP1	0.491441	0.094294	1.87E-07	6.82E-07
ENSMUSG00000006019	DHX34	-0.62007	0.118991	1.88E-07	6.84E-07
ENSMUSG00000089931	GM8459	2.715182	0.521044	1.88E-07	6.84E-07
ENSMUSG00000040818	DENND6A	-0.6846	0.131386	1.88E-07	6.86E-07
ENSMUSG00000111594	GM3365	-1.91671	0.368014	1.91E-07	6.95E-07
ENSMUSG00000048483	ZDHHC22	2.627666	0.504646	1.92E-07	6.99E-07
ENSMUSG00000036352	UBAC1	0.442065	0.084912	1.93E-07	7.02E-07
ENSMUSG00000026980	LY75	-1.14295	0.219583	1.94E-07	7.06E-07
ENSMUSG00000035478	MBD3	0.432987	0.083185	1.94E-07	7.06E-07
ENSMUSG00000033335	DNM2	0.433034	0.083196	1.94E-07	7.06E-07
ENSMUSG00000033544	ANGPTL1	-1.48827	0.285958	1.95E-07	7.08E-07
ENSMUSG00000005262	UFD1	0.462945	0.088954	1.95E-07	7.08E-07
ENSMUSG00000020680	TAF15	0.470255	0.090359	1.95E-07	7.08E-07
ENSMUSG00000020516	RPS6KB1	0.548466	0.105405	1.96E-07	7.11E-07
ENSMUSG00000022438	PARVB	-0.54553	0.10484	1.96E-07	7.11E-07
ENSMUSG00000038172	TTC39B	1.048499	0.201551	1.97E-07	7.16E-07
ENSMUSG00000034881	TBXA2R	-1.18227	0.22727	1.97E-07	7.16E-07
ENSMUSG00000022550	ADCK5	0.727908	0.13995	1.98E-07	7.19E-07
ENSMUSG00000034342	CBL	0.966103	0.185766	1.99E-07	7.21E-07
ENSMUSG00000002015	BCAP31	0.59089	0.113636	1.99E-07	7.24E-07
ENSMUSG00000038539	ATF5	-0.44331	0.085256	2.00E-07	7.25E-07
ENSMUSG00000075324	FIGN	-1.47448	0.283569	2.00E-07	7.25E-07
ENSMUSG00000040124	GORAB	0.706368	0.135868	2.00E-07	7.28E-07
ENSMUSG00000022427	TOMM22	0.599205	0.11526	2.01E-07	7.28E-07
ENSMUSG00000069833	AHNAK	0.858891	0.165258	2.02E-07	7.34E-07
ENSMUSG00000029238	CLOCK	-0.6689	0.128746	2.04E-07	7.40E-07
ENSMUSG00000020109	DNAJB12	-0.45163	0.086951	2.06E-07	7.46E-07
ENSMUSG00000073804	NPS	2.762587	0.531952	2.07E-07	7.49E-07
ENSMUSG00000025353	ORMDL2	0.690571	0.13298	2.07E-07	7.50E-07
ENSMUSG00000022119	RBM26	0.441176	0.084963	2.07E-07	7.52E-07
ENSMUSG00000051435	FHAD1	2.884656	0.555594	2.08E-07	7.54E-07
ENSMUSG00000034593	MYO5A	0.7527	0.144974	2.08E-07	7.54E-07
ENSMUSG00000018040	RRP7A	0.538999	0.103823	2.09E-07	7.55E-07
ENSMUSG00000025138	SIRT7	0.516792	0.099573	2.10E-07	7.61E-07
ENSMUSG00000037966	NINJ1	0.513605	0.098964	2.11E-07	7.62E-07
ENSMUSG00000040007	BAHD1	-0.51944	0.100093	2.11E-07	7.63E-07

ENSMUSG00000007038	NEU1	0.670476	0.1292	2.11E-07	7.63E-07
ENSMUSG000000057143	TRIM12C	-0.69036	0.133046	2.12E-07	7.65E-07
ENSMUSG000000022568	SCRIB	0.45007	0.086748	2.12E-07	7.68E-07
ENSMUSG000000014867	SURF4	0.438867	0.08459	2.12E-07	7.68E-07
ENSMUSG000000037643	PRKCI	0.722981	0.139381	2.14E-07	7.72E-07
ENSMUSG000000025140	PYCR1	1.140721	0.219971	2.15E-07	7.78E-07
ENSMUSG000000001062	VPS9D1	-0.46841	0.090334	2.16E-07	7.80E-07
ENSMUSG000000022180	SLC7A8	1.097076	0.211582	2.16E-07	7.80E-07
ENSMUSG000000034951	COG7	-0.45448	0.087651	2.16E-07	7.80E-07
ENSMUSG000000030365	CLEC2I	2.46401	0.475217	2.16E-07	7.80E-07
ENSMUSG000000091900	GM4353	3.572513	0.689025	2.16E-07	7.81E-07
ENSMUSG000000016253	NELFCD	0.51026	0.098495	2.21E-07	7.99E-07
ENSMUSG000000024725	OSTF1	0.444162	0.08574	2.21E-07	7.99E-07
ENSMUSG000000069565	DAZAP1	-0.46321	0.089443	2.23E-07	8.06E-07
ENSMUSG000000032299	COMMD4	0.556343	0.107455	2.25E-07	8.12E-07
ENSMUSG000000041765	UBAC2	-0.45361	0.087628	2.26E-07	8.15E-07
ENSMUSG000000060739	NSA2	0.427988	0.082678	2.26E-07	8.15E-07
ENSMUSG000000070345	HSF5	2.829011	0.546519	2.26E-07	8.16E-07
ENSMUSG000000033808	TMEM87A	0.540997	0.104532	2.27E-07	8.20E-07
ENSMUSG000000020817	RABEP1	-0.44154	0.085321	2.28E-07	8.21E-07
ENSMUSG000000028680	PLK3	1.558144	0.301118	2.28E-07	8.23E-07
ENSMUSG0000000102418	SH2D1B1	2.588953	0.500375	2.29E-07	8.25E-07
ENSMUSG000000002992	APOC2	2.871702	0.555076	2.30E-07	8.27E-07
ENSMUSG000000075391	GM13443	0.51469	0.099493	2.30E-07	8.29E-07
ENSMUSG000000068037	MAS1	-1.53215	0.296193	2.31E-07	8.30E-07
ENSMUSG000000005338	CADM3	-1.24089	0.23989	2.31E-07	8.30E-07
ENSMUSG000000031333	ABCB7	-0.44717	0.086524	2.36E-07	8.51E-07
ENSMUSG000000032679	CD59A	-0.43044	0.083287	2.36E-07	8.51E-07
ENSMUSG000000022337	EMC2	0.429922	0.083188	2.37E-07	8.51E-07
ENSMUSG000000036504	PHPT1	0.984737	0.190561	2.37E-07	8.53E-07
ENSMUSG000000068893	SPRR2A2	4.3856	0.848794	2.38E-07	8.56E-07
ENSMUSG000000035448	CCR3	2.631515	0.509311	2.38E-07	8.56E-07
ENSMUSG000000002504	SLC9A3R2	-0.86225	0.166898	2.39E-07	8.58E-07
ENSMUSG000000035242	OAZ1	0.471372	0.091239	2.39E-07	8.58E-07
ENSMUSG000000037820	TGM2	0.428517	0.082944	2.39E-07	8.58E-07
ENSMUSG000000029206	NSUN7	-1.39697	0.270404	2.39E-07	8.58E-07
ENSMUSG000000026176	CTDSP1	-0.43208	0.083638	2.39E-07	8.58E-07
ENSMUSG000000034793	G6PC3	0.535942	0.103747	2.39E-07	8.59E-07
ENSMUSG000000026361	CDC73	-0.47108	0.091192	2.39E-07	8.60E-07
ENSMUSG000000035048	ANAPC13	0.614758	0.119063	2.43E-07	8.71E-07
ENSMUSG000000034586	HID1	1.148404	0.222451	2.44E-07	8.74E-07
ENSMUSG000000062073	GM10109	3.417739	0.662031	2.44E-07	8.74E-07
ENSMUSG000000055128	CGRRF1	0.479865	0.092979	2.46E-07	8.81E-07
ENSMUSG000000018405	MRM1	-0.7876	0.152606	2.46E-07	8.81E-07
ENSMUSG000000004100	PPAN	1.253751	0.242939	2.46E-07	8.82E-07
ENSMUSG000000063873	SLC24A3	-1.34698	0.261056	2.47E-07	8.86E-07
ENSMUSG000000029169	DHX15	0.4267	0.082712	2.48E-07	8.90E-07
ENSMUSG000000043241	UPF2	0.460482	0.089292	2.51E-07	8.99E-07
ENSMUSG000000050846	ZFP623	0.714413	0.138565	2.53E-07	9.05E-07
ENSMUSG000000041351	RAP1GAP	-1.50019	0.290991	2.53E-07	9.06E-07

ENSMUSG00000037016	FREM2	-1.36649	0.265074	2.53E-07	9.08E-07
ENSMUSG00000021371	MCUR1	-0.46347	0.089929	2.55E-07	9.14E-07
ENSMUSG00000031358	MSL3	-0.43562	0.084529	2.56E-07	9.15E-07
ENSMUSG00000071014	NDUFB6	0.427048	0.082875	2.56E-07	9.18E-07
ENSMUSG00000039458	MTMR12	0.552752	0.107273	2.57E-07	9.18E-07
ENSMUSG00000049515	ESPNL	1.770648	0.343642	2.57E-07	9.19E-07
ENSMUSG00000046688	TIFA	0.913176	0.177289	2.59E-07	9.28E-07
ENSMUSG00000031381	PIGA	0.971092	0.188551	2.60E-07	9.30E-07
ENSMUSG00000072889	NFXL1	0.766444	0.148825	2.61E-07	9.31E-07
ENSMUSG00000050105	GRRP1	1.309355	0.254287	2.62E-07	9.35E-07
ENSMUSG00000078903	GM14391	-1.0145	0.197049	2.63E-07	9.38E-07
ENSMUSG00000079037	PRNP	0.424321	0.082469	2.67E-07	9.54E-07
ENSMUSG00000015653	STEAP2	1.545558	0.300492	2.70E-07	9.63E-07
ENSMUSG00000034120	SRSF2	0.537061	0.10443	2.71E-07	9.67E-07
ENSMUSG00000021532	FASTKD3	0.518983	0.100921	2.71E-07	9.68E-07
ENSMUSG00000041685	FCHO2	-0.448	0.087141	2.73E-07	9.75E-07
ENSMUSG00000015889	LTA4H	0.493553	0.096009	2.74E-07	9.77E-07
ENSMUSG00000095253	ZFP799	-1.40119	0.272577	2.74E-07	9.78E-07
ENSMUSG00000023999	KIF6	-1.11656	0.217243	2.75E-07	9.82E-07
ENSMUSG00000004864	MAPK13	2.702751	0.526114	2.79E-07	9.95E-07
ENSMUSG00000024194	CUTA	0.473116	0.092135	2.82E-07	1.01E-06
ENSMUSG00000020021	FGD6	0.974852	0.189878	2.83E-07	1.01E-06
ENSMUSG00000030545	PEX11A	-0.54558	0.106292	2.85E-07	1.02E-06
ENSMUSG00000040429	MTERF1A	0.755347	0.147187	2.87E-07	1.02E-06
ENSMUSG00000035983	GM7008	1.852954	0.361126	2.88E-07	1.03E-06
ENSMUSG00000045506	A930002H24RI	2.021183	0.393923	2.88E-07	1.03E-06
ENSMUSG00000075592	NYNRIN	-0.74709	0.145614	2.89E-07	1.03E-06
ENSMUSG00000043487	ACOT6	-0.76541	0.149195	2.89E-07	1.03E-06
ENSMUSG00000000605	CLCN4	-0.43132	0.084123	2.94E-07	1.05E-06
ENSMUSG00000031393	MECP2	0.788691	0.153836	2.95E-07	1.05E-06
ENSMUSG00000027573	GID8	-0.42938	0.083767	2.96E-07	1.05E-06
ENSMUSG00000045176	BORCS6	0.466726	0.091054	2.96E-07	1.05E-06
ENSMUSG00000027309	4930402H24RI	-0.84171	0.164237	2.98E-07	1.06E-06
ENSMUSG00000037214	THAP1	0.712551	0.139037	2.98E-07	1.06E-06
ENSMUSG00000007833	ALDH16A1	0.620582	0.121101	2.98E-07	1.06E-06
ENSMUSG00000027804	PPID	0.624765	0.121922	2.99E-07	1.06E-06
ENSMUSG00000016252	ATP5E	0.462139	0.09019	2.99E-07	1.06E-06
ENSMUSG00000025791	PGM1	-0.46777	0.091295	2.99E-07	1.06E-06
ENSMUSG00000001441	NPEPPS	-0.4696	0.091656	3.00E-07	1.07E-06
ENSMUSG00000009614	SARDH	-0.69671	0.135995	3.01E-07	1.07E-06
ENSMUSG00000026582	SELE	2.512293	0.4904	3.01E-07	1.07E-06
ENSMUSG00000021340	GPLD1	-0.69141	0.134981	3.02E-07	1.07E-06
ENSMUSG00000032020	UBASH3B	1.307521	0.25528	3.02E-07	1.07E-06
ENSMUSG00000079227	CCR5	1.934388	0.37774	3.04E-07	1.08E-06
ENSMUSG00000078137	ANKRD63	-2.04313	0.398993	3.04E-07	1.08E-06
ENSMUSG00000029553	TFEC	2.386523	0.466078	3.05E-07	1.08E-06
ENSMUSG00000042632	PLA2G6	0.643252	0.125672	3.08E-07	1.09E-06
ENSMUSG00000045751	MMS22L	2.03875	0.398399	3.10E-07	1.10E-06
ENSMUSG00000061273	MMGT1	-0.42883	0.083805	3.10E-07	1.10E-06
ENSMUSG00000008333	SNRPB2	0.538319	0.105208	3.11E-07	1.10E-06

ENSMUSG00000037759	PTGER2	2.365459	0.462335	3.12E-07	1.10E-06
ENSMUSG00000040488	LTBP4	-0.81873	0.160064	3.14E-07	1.11E-06
ENSMUSG00000028403	ZDHHC21	0.838892	0.164009	3.14E-07	1.11E-06
ENSMUSG00000051735	RINL	0.959491	0.187587	3.14E-07	1.11E-06
ENSMUSG00000022000	ZC3H13	-0.43985	0.086005	3.15E-07	1.12E-06
ENSMUSG00000041449	SERPINA3H	4.25619	0.832315	3.16E-07	1.12E-06
ENSMUSG00000031604	MSMO1	0.65999	0.129083	3.17E-07	1.12E-06
ENSMUSG00000025979	MOB4	0.488528	0.095552	3.18E-07	1.12E-06
ENSMUSG000000107642	TAS2R141-PS4	2.557878	0.500371	3.19E-07	1.13E-06
ENSMUSG00000046598	BDH1	-1.72045	0.336574	3.19E-07	1.13E-06
ENSMUSG00000001588	ACAP1	0.973806	0.190551	3.21E-07	1.14E-06
ENSMUSG00000026407	CACNA1S	-1.6642	0.325671	3.22E-07	1.14E-06
ENSMUSG00000029246	PPAT	0.441789	0.086455	3.22E-07	1.14E-06
ENSMUSG00000024130	ABCA3	-0.70294	0.137582	3.23E-07	1.14E-06
ENSMUSG00000042717	PPP1R3A	-0.67327	0.131778	3.24E-07	1.14E-06
ENSMUSG00000090083	RNF8	0.56977	0.111527	3.24E-07	1.15E-06
ENSMUSG00000033658	DDX19B	0.451102	0.088311	3.25E-07	1.15E-06
ENSMUSG00000028041	ADAM15	0.859192	0.168289	3.30E-07	1.17E-06
ENSMUSG00000083183	GM15575	-2.67154	0.523275	3.30E-07	1.17E-06
ENSMUSG00000021764	NDUFS4	0.557047	0.109139	3.33E-07	1.17E-06
ENSMUSG00000022769	SDF2L1	1.062379	0.20824	3.37E-07	1.19E-06
ENSMUSG00000026832	CYTIP	1.622082	0.317998	3.38E-07	1.19E-06
ENSMUSG00000045948	MRPS12	0.504843	0.098973	3.38E-07	1.19E-06
ENSMUSG00000027835	PDCD10	0.566068	0.110985	3.39E-07	1.20E-06
ENSMUSG00000027404	SNRPB	0.52088	0.102158	3.42E-07	1.21E-06
ENSMUSG00000040037	NEGR1	-1.71957	0.33739	3.46E-07	1.22E-06
ENSMUSG00000074865	ZFP934	-1.15037	0.225719	3.46E-07	1.22E-06
ENSMUSG00000030279	C2CD5	-0.65855	0.129226	3.47E-07	1.22E-06
ENSMUSG00000021456	FBP2	-0.90655	0.177905	3.47E-07	1.22E-06
ENSMUSG00000032558	NPHP3	-1.27173	0.249577	3.48E-07	1.22E-06
ENSMUSG00000037813	D630003M21R	-2.04109	0.40063	3.49E-07	1.23E-06
ENSMUSG00000023106	DENR	0.435388	0.085487	3.52E-07	1.24E-06
ENSMUSG00000038188	SCARF1	-0.66235	0.130073	3.54E-07	1.25E-06
ENSMUSG00000059974	NTM	-1.55415	0.30528	3.56E-07	1.25E-06
ENSMUSG00000046574	PRR12	-0.62611	0.12304	3.61E-07	1.27E-06
ENSMUSG00000020527	MYO19	-0.6261	0.123096	3.65E-07	1.28E-06
ENSMUSG00000040631	DOK4	-1.06803	0.209987	3.65E-07	1.28E-06
ENSMUSG00000031107	RBMX2	0.812311	0.159717	3.66E-07	1.29E-06
ENSMUSG00000027834	SERPINI1	-1.04357	0.205194	3.66E-07	1.29E-06
ENSMUSG00000027208	FGF7	-1.32033	0.259617	3.66E-07	1.29E-06
ENSMUSG00000029090	ADGRA3	-0.9059	0.178158	3.68E-07	1.29E-06
ENSMUSG00000001632	BRPF1	0.445744	0.087664	3.68E-07	1.29E-06
ENSMUSG00000070425	XNTRPC	-1.0867	0.213725	3.68E-07	1.29E-06
ENSMUSG00000081665	GM15922	2.798768	0.550466	3.69E-07	1.30E-06
ENSMUSG00000032002	DCUN1D5	0.431085	0.084814	3.72E-07	1.31E-06
ENSMUSG00000046556	ZFP319	-0.59688	0.117453	3.74E-07	1.31E-06
ENSMUSG00000001508	SGCA	-1.09298	0.215111	3.75E-07	1.32E-06
ENSMUSG00000042797	AQP11	-1.46822	0.288966	3.76E-07	1.32E-06
ENSMUSG00000073433	ARHGDIG	1.534199	0.301977	3.76E-07	1.32E-06
ENSMUSG00000055660	METTL4	-0.69228	0.136269	3.77E-07	1.32E-06

ENSMUSG00000031370	ZRSR2	0.619133	0.121878	3.78E-07	1.32E-06
ENSMUSG00000031916	COG8	0.698181	0.137448	3.78E-07	1.33E-06
ENSMUSG00000066682	PILRB2	1.561431	0.307432	3.80E-07	1.33E-06
ENSMUSG00000028621	CYB5RL	0.815534	0.160606	3.82E-07	1.34E-06
ENSMUSG00000037095	LRG1	0.83523	0.164495	3.82E-07	1.34E-06
ENSMUSG00000055809	DNAAF3	-1.41025	0.277767	3.83E-07	1.34E-06
ENSMUSG00000038463	OLFML2B	-1.94758	0.383716	3.86E-07	1.35E-06
ENSMUSG00000026411	TMEM9	-0.71673	0.141258	3.90E-07	1.36E-06
ENSMUSG00000020482	CCDC117	-0.44945	0.08861	3.93E-07	1.38E-06
ENSMUSG00000033628	PIK3C3	-0.75933	0.149713	3.94E-07	1.38E-06
ENSMUSG00000020691	METTL2	0.539682	0.106422	3.95E-07	1.38E-06
ENSMUSG00000020102	SLC16A7	-1.25484	0.247551	4.00E-07	1.40E-06
ENSMUSG00000028407	SMIM27	0.653478	0.128942	4.02E-07	1.41E-06
ENSMUSG00000055602	TCP10B	2.161868	0.426678	4.05E-07	1.42E-06
ENSMUSG00000032575	MANF	0.634	0.125158	4.07E-07	1.42E-06
ENSMUSG00000068523	GNG5	0.417755	0.082487	4.09E-07	1.43E-06
ENSMUSG00000038024	DENND4C	-0.93074	0.18378	4.10E-07	1.43E-06
ENSMUSG00000030554	SYNM	-0.67511	0.133318	4.11E-07	1.43E-06
ENSMUSG000000103081	PCDHGB8	-0.93837	0.185315	4.11E-07	1.44E-06
ENSMUSG00000034855	CXCL10	2.332018	0.460609	4.13E-07	1.44E-06
ENSMUSG00000032402	SMAD3	-0.99336	0.19623	4.14E-07	1.45E-06
ENSMUSG00000020728	CEP112	-1.2438	0.245718	4.15E-07	1.45E-06
ENSMUSG00000001482	DEF8	-0.48454	0.095748	4.18E-07	1.46E-06
ENSMUSG00000025357	DGKA	-0.50789	0.100368	4.19E-07	1.46E-06
ENSMUSG00000052997	UBA2	0.517784	0.102327	4.19E-07	1.46E-06
ENSMUSG00000029725	PPP1R35	0.754465	0.149126	4.21E-07	1.47E-06
ENSMUSG00000038371	SBF2	-0.47597	0.094089	4.22E-07	1.47E-06
ENSMUSG00000060639	HIST1H4I	1.947268	0.384946	4.22E-07	1.47E-06
ENSMUSG00000040565	BTAF1	0.484442	0.095778	4.24E-07	1.48E-06
ENSMUSG00000020181	NAV3	-1.13101	0.223693	4.28E-07	1.49E-06
ENSMUSG00000043670	DIRAS1	2.583397	0.510987	4.29E-07	1.49E-06
ENSMUSG00000075271	TTC30A1	-1.21276	0.239943	4.32E-07	1.50E-06
ENSMUSG00000029363	RFC5	0.875126	0.173174	4.34E-07	1.51E-06
ENSMUSG00000032120	C2CD2L	-0.72709	0.143912	4.36E-07	1.52E-06
ENSMUSG00000021901	BAP1	-0.54313	0.107507	4.37E-07	1.52E-06
ENSMUSG00000034557	ZFYVE9	-0.43877	0.086852	4.37E-07	1.52E-06
ENSMUSG00000017446	C1QTNF1	-0.96708	0.191462	4.39E-07	1.53E-06
ENSMUSG00000028409	SMU1	0.450265	0.089144	4.40E-07	1.53E-06
ENSMUSG00000034675	DBN1	1.733743	0.34327	4.40E-07	1.53E-06
ENSMUSG00000017288	VPS53	0.793266	0.157089	4.42E-07	1.54E-06
ENSMUSG00000035284	VPS13C	0.84438	0.167217	4.43E-07	1.54E-06
ENSMUSG00000031227	MAGEE1	-0.87857	0.174013	4.44E-07	1.54E-06
ENSMUSG00000033952	ASPM	1.809285	0.358392	4.46E-07	1.55E-06
ENSMUSG00000070713	GM10282	-1.07605	0.213225	4.50E-07	1.56E-06
ENSMUSG00000035735	DAGLA	-0.74855	0.148338	4.51E-07	1.56E-06
ENSMUSG000000109179	GM35339	-0.98852	0.19589	4.50E-07	1.56E-06
ENSMUSG00000075307	KLHL41	1.496865	0.296673	4.52E-07	1.57E-06
ENSMUSG00000054675	TMEM119	0.949384	0.188168	4.53E-07	1.57E-06
ENSMUSG00000041231	UBLCP1	-0.53672	0.106412	4.56E-07	1.58E-06
ENSMUSG00000021815	MSS51	1.098815	0.217873	4.57E-07	1.59E-06

ENSMUSG00000026707	NSUN6	0.726012	0.143971	4.59E-07	1.59E-06
ENSMUSG00000071856	MCC	-0.86069	0.17068	4.59E-07	1.59E-06
ENSMUSG00000024462	GABBR1	-1.12026	0.222182	4.61E-07	1.60E-06
ENSMUSG00000028744	PQLC2	0.58555	0.116134	4.61E-07	1.60E-06
ENSMUSG00000002396	OCEL1	1.130672	0.224372	4.67E-07	1.62E-06
ENSMUSG00000038965	UBE2L3	0.430351	0.085414	4.69E-07	1.63E-06
ENSMUSG00000030650	TMC5	-2.19691	0.436097	4.71E-07	1.63E-06
ENSMUSG00000029186	PI4K2B	0.802212	0.159326	4.78E-07	1.66E-06
ENSMUSG00000052270	FPR2	3.995356	0.793561	4.79E-07	1.66E-06
ENSMUSG00000037788	VOPP1	-0.51426	0.102153	4.80E-07	1.66E-06
ENSMUSG00000041272	TOX	-1.68258	0.334242	4.80E-07	1.66E-06
ENSMUSG00000020319	WDPCP	0.911525	0.18111	4.83E-07	1.67E-06
ENSMUSG00000037143	CFAP61	-1.77219	0.352229	4.87E-07	1.69E-06
ENSMUSG00000027551	ZFP64	0.645812	0.128394	4.91E-07	1.70E-06
ENSMUSG00000037787	APOPT1	0.706097	0.14041	4.94E-07	1.71E-06
ENSMUSG00000006390	ELOVL1	0.6834	0.13595	4.99E-07	1.72E-06
ENSMUSG00000036611	EEPD1	-0.50157	0.099792	5.00E-07	1.73E-06
ENSMUSG00000028447	DCTN3	0.494741	0.098452	5.03E-07	1.74E-06
ENSMUSG00000028479	GNE	-0.6922	0.137774	5.06E-07	1.75E-06
ENSMUSG00000031791	TMEM38A	-0.71204	0.141723	5.06E-07	1.75E-06
ENSMUSG00000020900	MYH10	0.518238	0.103155	5.06E-07	1.75E-06
ENSMUSG00000003402	PRKCSH	0.415732	0.082753	5.07E-07	1.75E-06
ENSMUSG00000023224	SERPING1	-0.85416	0.17003	5.07E-07	1.75E-06
ENSMUSG00000082645	GM15481	2.718163	0.541082	5.07E-07	1.75E-06
ENSMUSG00000053286	TRMT1L	-0.45039	0.089679	5.11E-07	1.76E-06
ENSMUSG00000028671	GALE	1.061607	0.211412	5.13E-07	1.77E-06
ENSMUSG000000111608	GM48839	-2.68699	0.535473	5.22E-07	1.80E-06
ENSMUSG00000024793	TNFRSF25	-1.60382	0.319637	5.23E-07	1.80E-06
ENSMUSG00000032224	FAM81A	-0.68102	0.135727	5.23E-07	1.81E-06
ENSMUSG00000048826	DACT2	-2.46572	0.491542	5.27E-07	1.82E-06
ENSMUSG00000026853	CRAT	-0.47452	0.094619	5.30E-07	1.83E-06
ENSMUSG00000083241	GM13259	2.707439	0.540083	5.36E-07	1.85E-06
ENSMUSG00000041872	IL17F	-1.37465	0.274243	5.37E-07	1.85E-06
ENSMUSG00000027422	RRBP1	0.454722	0.090727	5.39E-07	1.86E-06
ENSMUSG00000035949	FBXW2	0.423993	0.084606	5.40E-07	1.86E-06
ENSMUSG00000073805	FAM196A	2.598312	0.518519	5.41E-07	1.86E-06
ENSMUSG00000023845	LNPEP	0.579373	0.115629	5.43E-07	1.87E-06
ENSMUSG00000022661	CD200	0.551933	0.110157	5.43E-07	1.87E-06
ENSMUSG00000040225	PRRC2C	-0.4628	0.092369	5.43E-07	1.87E-06
ENSMUSG00000022106	RCBTB2	-0.58653	0.117074	5.44E-07	1.87E-06
ENSMUSG00000020580	ROCK2	0.439972	0.087826	5.45E-07	1.88E-06
ENSMUSG00000033373	FNTB	0.713374	0.142402	5.46E-07	1.88E-06
ENSMUSG00000020776	FBF1	-0.60381	0.120535	5.46E-07	1.88E-06
ENSMUSG00000006800	SULF2	-0.60094	0.119964	5.46E-07	1.88E-06
ENSMUSG00000039264	GIMAP3	1.040714	0.207809	5.50E-07	1.89E-06
ENSMUSG00000022562	OPLAH	-0.64927	0.129717	5.58E-07	1.92E-06
ENSMUSG00000034930	RTKN	-0.95524	0.190871	5.60E-07	1.92E-06
ENSMUSG00000032294	PKM	0.447182	0.089382	5.64E-07	1.94E-06
ENSMUSG00000029475	KDM2B	-0.71038	0.142011	5.66E-07	1.95E-06
ENSMUSG00000034472	RASD2	-1.28383	0.256672	5.68E-07	1.95E-06

ENSMUSG00000055305	ZFP93	-0.88401	0.176736	5.68E-07	1.95E-06
ENSMUSG00000041161	OTUD3	0.551776	0.110343	5.72E-07	1.96E-06
ENSMUSG00000042903	FOXO4	-0.43487	0.08697	5.73E-07	1.97E-06
ENSMUSG00000020275	REL	0.510802	0.102181	5.76E-07	1.98E-06
ENSMUSG00000018965	YWHAH	0.419186	0.083888	5.82E-07	2.00E-06
ENSMUSG00000035772	MRPS2	-0.4204	0.084132	5.83E-07	2.00E-06
ENSMUSG000000110677	GM45777	-2.94586	0.58956	5.83E-07	2.00E-06
ENSMUSG00000040152	THBS1	2.698892	0.540263	5.87E-07	2.01E-06
ENSMUSG00000078886	GM2026	-1.16204	0.232643	5.88E-07	2.02E-06
ENSMUSG00000021958	PINX1	0.653417	0.130852	5.93E-07	2.03E-06
ENSMUSG00000038354	ANKRD35	-0.93018	0.186336	5.98E-07	2.05E-06
ENSMUSG00000053121	GM5129	3.058792	0.612944	6.03E-07	2.06E-06
ENSMUSG00000017831	RAB5A	0.41157	0.082475	6.03E-07	2.07E-06
ENSMUSG000000109916	GM45551	2.360568	0.473062	6.04E-07	2.07E-06
ENSMUSG00000020592	SDC1	1.015934	0.203597	6.04E-07	2.07E-06
ENSMUSG00000023971	RRP36	0.480283	0.096253	6.04E-07	2.07E-06
ENSMUSG00000032867	FBXW8	0.413225	0.082821	6.06E-07	2.07E-06
ENSMUSG00000085787	GM13092	0.757943	0.15193	6.08E-07	2.08E-06
ENSMUSG00000095788	SIRPB1A	3.356167	0.673012	6.14E-07	2.10E-06
ENSMUSG00000004902	SLC25A18	1.490833	0.299031	6.18E-07	2.11E-06
ENSMUSG00000021975	INTS9	0.459234	0.092114	6.18E-07	2.11E-06
ENSMUSG00000033538	CASP4	0.786595	0.157784	6.19E-07	2.12E-06
ENSMUSG00000024382	ERCC3	0.441922	0.088651	6.20E-07	2.12E-06
ENSMUSG00000030057	CNBP	0.429436	0.086151	6.21E-07	2.12E-06
ENSMUSG00000040061	PLCB2	0.865027	0.17355	6.22E-07	2.12E-06
ENSMUSG00000043541	CASC1	-0.61979	0.12435	6.22E-07	2.12E-06
ENSMUSG00000032459	MRPS22	0.423363	0.084989	6.31E-07	2.15E-06
ENSMUSG00000089932	GM16114	2.516416	0.505162	6.31E-07	2.15E-06
ENSMUSG00000062694	CAV3	0.721449	0.144841	6.33E-07	2.16E-06
ENSMUSG00000025809	ITGB1	0.430126	0.086394	6.40E-07	2.18E-06
ENSMUSG00000029664	TFPI2	1.375748	0.276334	6.41E-07	2.18E-06
ENSMUSG00000021556	GOLM1	-0.53169	0.106808	6.42E-07	2.19E-06
ENSMUSG00000059518	ZNHIT1	0.593053	0.119136	6.43E-07	2.19E-06
ENSMUSG00000020620	ABCA8B	-1.39829	0.280908	6.43E-07	2.19E-06
ENSMUSG00000037628	CDKN3	1.802362	0.362101	6.44E-07	2.19E-06
ENSMUSG00000038676	UCN	-1.50993	0.303413	6.47E-07	2.21E-06
ENSMUSG00000028630	DYRK2	-0.47144	0.094746	6.50E-07	2.21E-06
ENSMUSG00000020142	SLC1A4	0.808657	0.162525	6.51E-07	2.22E-06
ENSMUSG000000105739	GM5708	-2.68436	0.539532	6.51E-07	2.22E-06
ENSMUSG00000015134	ALDH1A3	1.288029	0.258894	6.52E-07	2.22E-06
ENSMUSG00000022365	DERL1	0.411009	0.082616	6.53E-07	2.22E-06
ENSMUSG00000039153	RUNX2	1.622159	0.326206	6.60E-07	2.25E-06
ENSMUSG00000030074	GXYLT2	-1.11653	0.224549	6.62E-07	2.25E-06
ENSMUSG00000045822	ZSWIM3	-0.88675	0.178372	6.65E-07	2.26E-06
ENSMUSG00000026029	CASP8	0.669456	0.134697	6.69E-07	2.28E-06
ENSMUSG00000022561	GPAA1	0.493361	0.099298	6.75E-07	2.29E-06
ENSMUSG00000007050	LSM2	0.565315	0.113796	6.77E-07	2.30E-06
ENSMUSG00000021326	TRIM27	0.639979	0.128833	6.78E-07	2.31E-06
ENSMUSG00000074506	GM10705	5.516915	1.111058	6.85E-07	2.33E-06
ENSMUSG00000031608	GALNT7	-0.62272	0.125413	6.86E-07	2.33E-06

ENSMUSG00000001794	CAPNS1	0.428281	0.086255	6.86E-07	2.33E-06
ENSMUSG000000049858	SUOX	-0.80417	0.161966	6.87E-07	2.33E-06
ENSMUSG000000021786	OXSM	-0.50146	0.10101	6.89E-07	2.34E-06
ENSMUSG000000022136	DNAJC3	0.411072	0.082815	6.91E-07	2.35E-06
ENSMUSG000000042271	NXT2	-0.65326	0.131613	6.92E-07	2.35E-06
ENSMUSG000000046909	TEFM	-0.51698	0.10416	6.93E-07	2.35E-06
ENSMUSG000000051439	CD14	2.10459	0.424054	6.94E-07	2.35E-06
ENSMUSG000000029201	UGDH	0.574628	0.115783	6.94E-07	2.36E-06
ENSMUSG000000050192	EIF5A2	0.834116	0.168082	6.96E-07	2.36E-06
ENSMUSG000000030435	U2AF2	0.409479	0.082535	7.00E-07	2.38E-06
ENSMUSG000000028419	CHMP5	0.420623	0.084788	7.02E-07	2.38E-06
ENSMUSG000000025283	SAT1	1.424642	0.287193	7.03E-07	2.38E-06
ENSMUSG000000031104	RAB33A	2.547337	0.513517	7.03E-07	2.38E-06
ENSMUSG000000095620	2010005H15RI	2.587796	0.522127	7.19E-07	2.43E-06
ENSMUSG000000044499	HS3ST5	-1.70139	0.34333	7.21E-07	2.44E-06
ENSMUSG000000056656	APOL8	2.905984	0.586581	7.27E-07	2.46E-06
ENSMUSG000000030403	VASP	0.565248	0.1141	7.27E-07	2.46E-06
ENSMUSG000000018326	YWHAB	0.407952	0.082353	7.28E-07	2.47E-06
ENSMUSG000000037703	LZTS3	-0.59029	0.119206	7.35E-07	2.49E-06
ENSMUSG000000000730	DNMT3L	1.779842	0.359434	7.35E-07	2.49E-06
ENSMUSG000000061959	CES1E	-3.05791	0.617634	7.38E-07	2.50E-06
ENSMUSG000000052565	HIST1H1D	3.11643	0.629524	7.40E-07	2.50E-06
ENSMUSG000000005354	TXN2	0.564505	0.114047	7.43E-07	2.51E-06
ENSMUSG000000015316	SLAMF1	-1.78152	0.35995	7.45E-07	2.52E-06
ENSMUSG000000009905	KDSR	0.67547	0.136484	7.46E-07	2.52E-06
ENSMUSG000000067150	XPO5	0.417084	0.084279	7.47E-07	2.52E-06
ENSMUSG000000064145	ARIH2	0.458481	0.092651	7.48E-07	2.53E-06
ENSMUSG000000046947	ADCK2	-0.75153	0.151875	7.48E-07	2.53E-06
ENSMUSG000000038456	DENND2A	-0.71526	0.144548	7.49E-07	2.53E-06
ENSMUSG000000073988	TTPA	-1.69848	0.343253	7.49E-07	2.53E-06
ENSMUSG000000027690	SLC2A2	-2.20811	0.446355	7.54E-07	2.55E-06
ENSMUSG0000000109336	SAMD4B	0.439247	0.088793	7.54E-07	2.55E-06
ENSMUSG000000026365	CFH	-0.60205	0.121708	7.55E-07	2.55E-06
ENSMUSG000000035164	ZC3H12C	0.507526	0.102663	7.67E-07	2.59E-06
ENSMUSG000000024909	EFEMP2	0.805627	0.162996	7.71E-07	2.60E-06
ENSMUSG000000035964	TMEM59L	2.468907	0.499756	7.80E-07	2.63E-06
ENSMUSG000000031197	VBP1	0.463038	0.093745	7.84E-07	2.64E-06
ENSMUSG000000022452	SMDT1	0.659454	0.133524	7.86E-07	2.65E-06
ENSMUSG000000033983	COIL	-0.65921	0.133507	7.91E-07	2.67E-06
ENSMUSG0000000111327	GM48401	-1.11025	0.224908	7.96E-07	2.68E-06
ENSMUSG000000026049	TEX30	0.62279	0.12621	8.03E-07	2.71E-06
ENSMUSG000000095362	GM14325	-0.78188	0.158452	8.04E-07	2.71E-06
ENSMUSG000000031328	FLNA	0.832222	0.168659	8.04E-07	2.71E-06
ENSMUSG000000026643	NMT2	0.821264	0.166454	8.06E-07	2.71E-06
ENSMUSG000000044734	SERPINB1A	1.477601	0.299483	8.06E-07	2.71E-06
ENSMUSG000000090077	LIME1	0.64276	0.130279	8.07E-07	2.72E-06
ENSMUSG000000046447	CAMK2N1	-0.7668	0.15546	8.12E-07	2.73E-06
ENSMUSG000000045008	9030612E09RII	-0.87354	0.177134	8.16E-07	2.74E-06
ENSMUSG000000002109	DDB2	-0.71992	0.145988	8.17E-07	2.75E-06
ENSMUSG000000027018	HAT1	0.52999	0.107475	8.17E-07	2.75E-06

ENSMUSG00000013973	DEDD	0.456859	0.092675	8.24E-07	2.77E-06
ENSMUSG00000062995	ICA1	-0.92596	0.187845	8.25E-07	2.77E-06
ENSMUSG00000037405	ICAM1	0.923234	0.187309	8.27E-07	2.78E-06
ENSMUSG00000022811	ZFP148	-0.53619	0.108793	8.28E-07	2.78E-06
ENSMUSG00000029832	NFE2L3	1.694078	0.343784	8.32E-07	2.79E-06
ENSMUSG00000026068	IL18RAP	1.645202	0.333906	8.34E-07	2.80E-06
ENSMUSG00000052296	PPP6R1	-0.4489	0.091118	8.37E-07	2.81E-06
ENSMUSG00000044134	PHETA1	-0.58242	0.118221	8.37E-07	2.81E-06
ENSMUSG00000036473	TBC1D24	-0.95936	0.194806	8.45E-07	2.84E-06
ENSMUSG00000030352	TSPAN9	0.433784	0.088113	8.52E-07	2.86E-06
ENSMUSG00000027247	ARHGAP1	0.467527	0.09497	8.53E-07	2.86E-06
ENSMUSG00000001558	KLHL10	-2.02168	0.410915	8.66E-07	2.90E-06
ENSMUSG00000072640	LYRM9	0.769699	0.156474	8.70E-07	2.92E-06
ENSMUSG00000018931	NATD1	0.597844	0.121542	8.71E-07	2.92E-06
ENSMUSG00000017697	ADA	1.100984	0.223873	8.75E-07	2.93E-06
ENSMUSG00000003234	ABCF3	0.444424	0.090371	8.75E-07	2.93E-06
ENSMUSG00000082030	GM13081	2.538391	0.516177	8.76E-07	2.94E-06
ENSMUSG00000001630	STK38L	0.48243	0.098107	8.77E-07	2.94E-06
ENSMUSG00000020477	MRPS24	0.461743	0.093905	8.78E-07	2.94E-06
ENSMUSG00000025228	ACTR1A	0.408791	0.083137	8.78E-07	2.94E-06
ENSMUSG00000040447	SPNS2	0.620246	0.126191	8.87E-07	2.97E-06
ENSMUSG00000051034	ZFP11	-0.72924	0.14839	8.91E-07	2.98E-06
ENSMUSG00000021510	ZFP729A	-0.69952	0.142385	8.98E-07	3.00E-06
ENSMUSG00000007613	TGFBR1	0.518247	0.105517	9.04E-07	3.02E-06
ENSMUSG00000035754	WDR18	0.678254	0.138096	9.04E-07	3.02E-06
ENSMUSG00000042569	DHRS7B	0.453646	0.092403	9.13E-07	3.06E-06
ENSMUSG00000020664	DLD	-0.69746	0.142072	9.15E-07	3.06E-06
ENSMUSG00000083878	GM12034	2.470117	0.50323	9.18E-07	3.07E-06
ENSMUSG00000051319	MTLN	0.617362	0.125786	9.20E-07	3.08E-06
ENSMUSG00000027787	NMD3	0.477966	0.09739	9.21E-07	3.08E-06
ENSMUSG00000001962	FAM50A	0.430322	0.087683	9.21E-07	3.08E-06
ENSMUSG00000042595	FAM199X	0.500673	0.102021	9.22E-07	3.08E-06
ENSMUSG00000054178	GM9938	-0.8146	0.165996	9.23E-07	3.08E-06
ENSMUSG00000038732	MBOAT1	-1.1763	0.239724	9.25E-07	3.09E-06
ENSMUSG000000109205	GM44954	-2.46389	0.502323	9.34E-07	3.12E-06
ENSMUSG00000080059	RPS19-PS3	1.404766	0.286461	9.40E-07	3.14E-06
ENSMUSG00000045680	TCF21	-0.77756	0.158566	9.41E-07	3.14E-06
ENSMUSG00000058741	PRR19	2.557763	0.521669	9.44E-07	3.15E-06
ENSMUSG00000041920	SLC16A6	-0.86994	0.177445	9.46E-07	3.16E-06
ENSMUSG00000021373	CAP2	-0.51477	0.105005	9.47E-07	3.16E-06
ENSMUSG00000022376	ADCY8	-1.84466	0.376306	9.49E-07	3.16E-06
ENSMUSG00000043366	OLFR78	-1.3552	0.276457	9.49E-07	3.16E-06
ENSMUSG00000091648	C2CD4D	-2.60653	0.531821	9.53E-07	3.18E-06
ENSMUSG00000024158	HAGH	0.716388	0.146208	9.59E-07	3.20E-06
ENSMUSG00000028431	ELP1	0.553184	0.1129	9.59E-07	3.20E-06
ENSMUSG00000043460	ELFN2	-1.91696	0.391314	9.64E-07	3.21E-06
ENSMUSG00000040725	HNRNPUL1	0.408288	0.08335	9.66E-07	3.22E-06
ENSMUSG00000040165	CD209C	1.272118	0.25971	9.67E-07	3.22E-06
ENSMUSG00000033285	WDR3	0.742123	0.151531	9.71E-07	3.23E-06
ENSMUSG00000047193	DYNC2H1	0.88224	0.18014	9.70E-07	3.23E-06

ENSMUSG00000092607	SCNM1	0.450365	0.09197	9.74E-07	3.24E-06
ENSMUSG00000025432	AVIL	0.898842	0.183591	9.79E-07	3.26E-06
ENSMUSG00000029752	ASNS	1.780828	0.363792	9.82E-07	3.27E-06
ENSMUSG00000043279	TRIM56	-0.69737	0.142461	9.82E-07	3.27E-06
ENSMUSG00000026109	TMEFF2	-1.85727	0.379414	9.83E-07	3.27E-06
ENSMUSG00000073412	LST1	1.436786	0.293545	9.85E-07	3.28E-06
ENSMUSG000000103037	PCDHGB1	-1.32685	0.27109	9.86E-07	3.28E-06
ENSMUSG00000033961	ZFP446	-0.69014	0.141028	9.90E-07	3.29E-06
ENSMUSG00000027933	INTS3	-0.46069	0.094146	9.92E-07	3.30E-06
ENSMUSG00000030897	CNGA4	2.90555	0.594032	1.00E-06	3.33E-06
ENSMUSG00000018395	KIF3A	0.503723	0.103035	1.01E-06	3.37E-06
ENSMUSG00000024767	OTUB1	0.436666	0.089318	1.01E-06	3.37E-06
ENSMUSG00000022999	LMBR1L	0.580147	0.118684	1.02E-06	3.38E-06
ENSMUSG00000096901	GM3029	2.920617	0.59757	1.02E-06	3.39E-06
ENSMUSG00000028289	EPHA7	-1.19005	0.243528	1.03E-06	3.40E-06
ENSMUSG00000016946	KCTD5	0.536777	0.109848	1.03E-06	3.41E-06
ENSMUSG00000032116	STT3A	0.629313	0.128786	1.03E-06	3.41E-06
ENSMUSG00000045573	PENK	-2.27118	0.464889	1.03E-06	3.42E-06
ENSMUSG00000014763	FAM120B	-0.45427	0.092999	1.04E-06	3.44E-06
ENSMUSG00000008450	NUTF2	0.588035	0.120391	1.04E-06	3.44E-06
ENSMUSG00000022325	POP1	1.079882	0.221126	1.04E-06	3.45E-06
ENSMUSG00000026219	TRIP12	0.411014	0.084163	1.04E-06	3.45E-06
ENSMUSG00000022439	PARVG	1.600439	0.327806	1.05E-06	3.48E-06
ENSMUSG00000020697	LIG3	0.47191	0.096666	1.05E-06	3.48E-06
ENSMUSG00000029265	DR1	0.434421	0.088995	1.05E-06	3.49E-06
ENSMUSG00000047735	SAMD9L	-0.75029	0.153713	1.06E-06	3.50E-06
ENSMUSG00000002983	RELB	0.582499	0.119352	1.06E-06	3.50E-06
ENSMUSG00000057219	ARMC7	0.937083	0.192029	1.06E-06	3.52E-06
ENSMUSG00000044469	TNFAIP8L1	0.77235	0.158325	1.07E-06	3.54E-06
ENSMUSG00000042203	TBC1D22B	-0.44586	0.091403	1.07E-06	3.55E-06
ENSMUSG00000034771	TLE2	-1.66511	0.341384	1.07E-06	3.56E-06
ENSMUSG00000075272	TTC30A2	-2.25182	0.461848	1.08E-06	3.59E-06
ENSMUSG00000024012	MTCH1	0.421512	0.086494	1.10E-06	3.63E-06
ENSMUSG00000041323	AK7	2.515896	0.51626	1.10E-06	3.63E-06
ENSMUSG00000067629	SYNGAP1	-0.86225	0.176931	1.10E-06	3.63E-06
ENSMUSG000000104346	PCDHGA3	-0.92947	0.190732	1.10E-06	3.63E-06
ENSMUSG00000026455	KLHL12	0.507703	0.104197	1.10E-06	3.64E-06
ENSMUSG00000026536	IFI211	1.008135	0.206968	1.11E-06	3.67E-06
ENSMUSG00000027737	SLC7A11	1.924522	0.395314	1.13E-06	3.72E-06
ENSMUSG00000030720	CLN3	0.619084	0.12722	1.14E-06	3.76E-06
ENSMUSG00000048583	IGF2	-0.77384	0.159021	1.14E-06	3.76E-06
ENSMUSG00000026276	Sep-02	-0.42391	0.087125	1.14E-06	3.77E-06
ENSMUSG00000032577	MAPKAPK3	-0.62257	0.12797	1.14E-06	3.78E-06
ENSMUSG00000052921	ARHGEF15	-0.79214	0.162894	1.16E-06	3.82E-06
ENSMUSG00000016526	DYRK3	1.931338	0.397216	1.16E-06	3.83E-06
ENSMUSG00000056124	B4GALT6	-0.53553	0.110154	1.16E-06	3.84E-06
ENSMUSG00000035486	PLK5	-1.09761	0.225806	1.17E-06	3.86E-06
ENSMUSG00000046785	EPM2AIP1	-0.56559	0.116357	1.17E-06	3.86E-06
ENSMUSG00000027166	DNAJC24	-0.82295	0.169366	1.18E-06	3.89E-06
ENSMUSG00000028656	CAP1	0.487202	0.100268	1.18E-06	3.89E-06

ENSMUSG00000000320	ALOX12	-0.98667	0.203064	1.18E-06	3.89E-06
ENSMUSG000000063802	HSPBP1	0.443527	0.09129	1.18E-06	3.90E-06
ENSMUSG000000071047	CES1A	2.534662	0.521881	1.19E-06	3.93E-06
ENSMUSG000000018543	1700001P01RII	2.836739	0.584216	1.20E-06	3.95E-06
ENSMUSG000000008932	SLC1A7	-1.75759	0.361979	1.20E-06	3.96E-06
ENSMUSG000000019820	UTRN	-0.40157	0.08272	1.21E-06	3.97E-06
ENSMUSG000000037499	NENF	0.403581	0.083157	1.21E-06	4.00E-06
ENSMUSG000000002781	TMEM143	-0.72562	0.149522	1.22E-06	4.00E-06
ENSMUSG000000034111	TMED8	-0.69453	0.14314	1.22E-06	4.02E-06
ENSMUSG000000017344	VTN	-1.03563	0.213441	1.22E-06	4.02E-06
ENSMUSG000000027474	CCM2L	-0.85361	0.17595	1.23E-06	4.03E-06
ENSMUSG000000026605	CENPF	-2.01946	0.416269	1.23E-06	4.03E-06
ENSMUSG000000024939	FAM89B	0.4445	0.091646	1.23E-06	4.06E-06
ENSMUSG000000053070	CFAP300	0.95077	0.196083	1.24E-06	4.08E-06
ENSMUSG000000015652	STEAP1	2.357068	0.486189	1.25E-06	4.10E-06
ENSMUSG000000026229	PSMD1	0.404649	0.08347	1.25E-06	4.10E-06
ENSMUSG000000031799	TPM4	0.550123	0.113496	1.25E-06	4.12E-06
ENSMUSG000000028478	CLTA	0.401262	0.082786	1.25E-06	4.12E-06
ENSMUSG000000004980	HNRNPA2B1	0.442493	0.091316	1.26E-06	4.14E-06
ENSMUSG000000076434	WFDC3	1.647336	0.340025	1.27E-06	4.16E-06
ENSMUSG000000025147	MOB2	0.413631	0.085483	1.31E-06	4.29E-06
ENSMUSG000000032422	SNX14	-0.43154	0.089198	1.31E-06	4.31E-06
ENSMUSG000000023959	CLIC5	0.41847	0.086499	1.31E-06	4.31E-06
ENSMUSG000000032523	HHATL	-1.59115	0.328959	1.32E-06	4.33E-06
ENSMUSG000000009090	AP1B1	-0.44713	0.092443	1.32E-06	4.33E-06
ENSMUSG000000074141	IL4I1	1.752967	0.362427	1.32E-06	4.33E-06
ENSMUSG000000040652	OAZ2	0.453722	0.093826	1.33E-06	4.35E-06
ENSMUSG000000028337	CORO2A	1.249958	0.25856	1.34E-06	4.38E-06
ENSMUSG000000037661	GPR160	0.951784	0.196901	1.34E-06	4.39E-06
ENSMUSG000000070476	FAM217B	-0.63108	0.130558	1.34E-06	4.39E-06
ENSMUSG000000041936	AGRN	-0.41354	0.085555	1.34E-06	4.39E-06
ENSMUSG000000048967	YJEFN3	0.826975	0.171105	1.34E-06	4.40E-06
ENSMUSG000000027356	FERMT1	-1.54837	0.320402	1.35E-06	4.42E-06
ENSMUSG000000062116	ZFP954	0.656142	0.135785	1.35E-06	4.42E-06
ENSMUSG000000027134	LPCAT4	0.898849	0.186027	1.35E-06	4.43E-06
ENSMUSG000000111619	GM48348	-0.7315	0.151431	1.36E-06	4.46E-06
ENSMUSG000000023452	PISD	0.404947	0.083837	1.36E-06	4.47E-06
ENSMUSG000000033419	SNAP91	-0.55959	0.115854	1.36E-06	4.47E-06
ENSMUSG000000029380	CXCL1	2.785528	0.576741	1.37E-06	4.47E-06
ENSMUSG000000021497	TXNDC15	-0.41666	0.086273	1.37E-06	4.48E-06
ENSMUSG000000025208	MRPL43	0.401493	0.083134	1.37E-06	4.48E-06
ENSMUSG000000044452	ZFP507	0.751617	0.155641	1.37E-06	4.48E-06
ENSMUSG000000031925	MAML2	-0.81162	0.168114	1.38E-06	4.52E-06
ENSMUSG000000030516	TJP1	-0.54073	0.112015	1.38E-06	4.52E-06
ENSMUSG000000070283	NDUFAF3	0.584454	0.121073	1.38E-06	4.52E-06
ENSMUSG000000035397	KLF16	0.856598	0.177487	1.39E-06	4.55E-06
ENSMUSG000000061669	RPL34-PS2	2.215195	0.459044	1.40E-06	4.56E-06
ENSMUSG000000020358	HNRNPAB	0.405715	0.084084	1.40E-06	4.57E-06
ENSMUSG000000004895	PRCC	0.401759	0.083271	1.40E-06	4.58E-06
ENSMUSG000000028232	TMEM68	0.775994	0.160898	1.41E-06	4.62E-06

ENSMUSG00000040029	IPO8	-0.47075	0.097609	1.42E-06	4.62E-06
ENSMUSG00000011864	RPL26-PS6	-2.44115	0.50618	1.42E-06	4.62E-06
ENSMUSG00000030207	FAM234B	-0.63732	0.132152	1.42E-06	4.62E-06
ENSMUSG00000006299	AAMP	0.425121	0.088154	1.42E-06	4.63E-06
ENSMUSG00000022443	MYH9	0.870639	0.180542	1.42E-06	4.63E-06
ENSMUSG00000020149	RAB1A	0.402858	0.08356	1.43E-06	4.65E-06
ENSMUSG00000062181	CES3B	-1.90893	0.396046	1.44E-06	4.68E-06
ENSMUSG00000061559	WDR61	0.425548	0.088323	1.45E-06	4.73E-06
ENSMUSG00000083992	GM11478	2.758933	0.572699	1.45E-06	4.74E-06
ENSMUSG00000028439	FAM219A	0.924355	0.19199	1.47E-06	4.81E-06
ENSMUSG00000020328	NUDCD2	0.512875	0.106551	1.48E-06	4.84E-06
ENSMUSG00000031488	RAB11FIP1	1.298797	0.269839	1.49E-06	4.84E-06
ENSMUSG00000090516	RPS11-PS1	2.469315	0.513023	1.48E-06	4.84E-06
ENSMUSG00000048118	ARID4A	-0.78897	0.163921	1.49E-06	4.84E-06
ENSMUSG00000027680	FXR1	0.405495	0.084267	1.49E-06	4.87E-06
ENSMUSG00000060743	H3F3A	0.402363	0.083642	1.51E-06	4.90E-06
ENSMUSG00000040396	ABHD13	-0.44338	0.092173	1.51E-06	4.91E-06
ENSMUSG00000025735	RHBDL1	-1.15054	0.239329	1.53E-06	4.98E-06
ENSMUSG00000001700	GRAMD3	-0.61931	0.128828	1.53E-06	4.98E-06
ENSMUSG00000005672	KIT	0.948022	0.197283	1.54E-06	5.02E-06
ENSMUSG00000020794	UBE2G1	-0.39784	0.082811	1.55E-06	5.05E-06
ENSMUSG00000079845	XLR4A	2.429596	0.50585	1.56E-06	5.08E-06
ENSMUSG00000091313	FTH-PS2	2.496179	0.519733	1.56E-06	5.08E-06
ENSMUSG00000028990	LZIC	-0.59049	0.122955	1.57E-06	5.09E-06
ENSMUSG00000090266	METTL23	0.568295	0.118348	1.57E-06	5.11E-06
ENSMUSG00000051367	SIX1	-2.15965	0.449797	1.58E-06	5.12E-06
ENSMUSG00000075204	OLFR1039	2.694971	0.561494	1.59E-06	5.16E-06
ENSMUSG00000039501	ZNFX1	-0.42881	0.089381	1.61E-06	5.22E-06
ENSMUSG00000033653	VPS8	0.471789	0.098344	1.61E-06	5.22E-06
ENSMUSG00000027655	DHX35	-0.6914	0.144143	1.61E-06	5.24E-06
ENSMUSG00000042198	CHCHD7	0.677565	0.141277	1.62E-06	5.25E-06
ENSMUSG00000033059	PYGB	-0.7684	0.160252	1.63E-06	5.28E-06
ENSMUSG00000024350	DNAJC18	-0.41341	0.086235	1.63E-06	5.30E-06
ENSMUSG00000029550	SPPL3	0.414753	0.08652	1.64E-06	5.31E-06
ENSMUSG00000059534	UQCR10	0.518757	0.108234	1.64E-06	5.33E-06
ENSMUSG00000026437	CDK18	-0.55822	0.116469	1.64E-06	5.33E-06
ENSMUSG00000023707	OGFOD2	0.844081	0.17613	1.65E-06	5.34E-06
ENSMUSG00000023087	NOCT	-0.56424	0.117737	1.65E-06	5.34E-06
ENSMUSG00000039231	SUV39H1	0.547761	0.114327	1.66E-06	5.37E-06
ENSMUSG00000042638	GUCY2C	2.640526	0.551128	1.66E-06	5.37E-06
ENSMUSG00000007815	RHOA	0.394796	0.082409	1.66E-06	5.38E-06
ENSMUSG00000030737	SLCO2B1	-0.78847	0.164602	1.67E-06	5.39E-06
ENSMUSG00000042712	TCEAL9	0.489757	0.10224	1.67E-06	5.39E-06
ENSMUSG00000090439	GM17455	2.668368	0.557048	1.67E-06	5.39E-06
ENSMUSG00000013701	TIMM23	0.535732	0.111848	1.67E-06	5.40E-06
ENSMUSG00000022338	ENY2	0.407334	0.085046	1.67E-06	5.41E-06
ENSMUSG00000025209	TWINK	-0.40986	0.085577	1.67E-06	5.41E-06
ENSMUSG00000066798	ZBTB6	0.52142	0.108873	1.67E-06	5.42E-06
ENSMUSG00000106499	GM9403	-1.34747	0.281391	1.68E-06	5.43E-06
ENSMUSG00000098092	GM2076	2.978521	0.622128	1.69E-06	5.46E-06

ENSMUSG00000031985	GNPAT	-0.49383	0.103161	1.69E-06	5.47E-06
ENSMUSG00000034664	ITGA2B	1.029096	0.215026	1.70E-06	5.50E-06
ENSMUSG00000042763	MANEAL	-1.93249	0.403798	1.70E-06	5.50E-06
ENSMUSG00000045534	KCNA5	-0.68367	0.142861	1.70E-06	5.51E-06
ENSMUSG00000036864	PROSER3	-0.80956	0.169183	1.71E-06	5.52E-06
ENSMUSG00000006932	CTNNB1	0.398001	0.083183	1.71E-06	5.53E-06
ENSMUSG00000086158	CCPG1OS	0.891492	0.186329	1.71E-06	5.53E-06
ENSMUSG00000028454	PIGO	-0.5032	0.105187	1.72E-06	5.55E-06
ENSMUSG00000021768	DUSP13	2.012816	0.420794	1.72E-06	5.56E-06
ENSMUSG00000030619	EED	0.505961	0.105782	1.73E-06	5.57E-06
ENSMUSG00000062078	QK	-0.41359	0.086516	1.75E-06	5.64E-06
ENSMUSG00000004591	PKN2	0.843787	0.176511	1.75E-06	5.65E-06
ENSMUSG00000043162	PYURF	-0.52163	0.109178	1.77E-06	5.72E-06
ENSMUSG00000070972	DNAJC25	-0.45963	0.096205	1.77E-06	5.72E-06
ENSMUSG00000027007	ITPRID2	0.607753	0.127224	1.78E-06	5.74E-06
ENSMUSG00000062300	NECTIN2	-0.42224	0.088428	1.80E-06	5.79E-06
ENSMUSG00000029075	TNFRSF4	1.383401	0.289744	1.80E-06	5.80E-06
ENSMUSG00000040592	CD79B	1.284951	0.26913	1.80E-06	5.81E-06
ENSMUSG00000010608	RBM25	0.43172	0.090427	1.80E-06	5.81E-06
ENSMUSG00000027163	COMMD9	0.565754	0.118515	1.81E-06	5.83E-06
ENSMUSG00000015291	GDI1	0.420726	0.088154	1.82E-06	5.86E-06
ENSMUSG00000020077	SRGN	1.662553	0.348424	1.83E-06	5.88E-06
ENSMUSG00000033249	HSF4	-0.68353	0.143251	1.83E-06	5.88E-06
ENSMUSG00000031399	FAM3A	-0.52941	0.111043	1.86E-06	6.00E-06
ENSMUSG00000016427	NDUFA1	0.496515	0.104148	1.87E-06	6.01E-06
ENSMUSG00000022361	ZHX1	-0.53191	0.111591	1.87E-06	6.03E-06
ENSMUSG00000047554	TMEM41B	0.582863	0.122289	1.88E-06	6.04E-06
ENSMUSG00000026662	SEPHS1	0.596136	0.125085	1.88E-06	6.05E-06
ENSMUSG00000014668	CHFR	0.454511	0.095387	1.89E-06	6.08E-06
ENSMUSG00000031508	ANKRD10	0.900641	0.189024	1.89E-06	6.08E-06
ENSMUSG00000031990	JAM3	-0.68861	0.144542	1.90E-06	6.10E-06
ENSMUSG00000047592	NXPE5	2.563599	0.538318	1.91E-06	6.15E-06
ENSMUSG00000024325	RING1	0.438236	0.092039	1.92E-06	6.18E-06
ENSMUSG00000017713	THA1	-0.74488	0.156527	1.95E-06	6.26E-06
ENSMUSG00000073725	LMBRD1	0.51466	0.108151	1.95E-06	6.26E-06
ENSMUSG00000032671	A930018P22RI	1.942907	0.408302	1.95E-06	6.26E-06
ENSMUSG00000003955	FAM162A	0.533574	0.112163	1.96E-06	6.31E-06
ENSMUSG00000006728	CDK4	0.423434	0.089028	1.97E-06	6.33E-06
ENSMUSG00000034274	THOC5	0.502791	0.105732	1.98E-06	6.36E-06
ENSMUSG000000091185	GM3278	3.246128	0.682625	1.98E-06	6.36E-06
ENSMUSG00000058799	NAP1L1	0.398711	0.083854	1.99E-06	6.37E-06
ENSMUSG00000038290	SMG6	0.483866	0.101764	1.99E-06	6.37E-06
ENSMUSG00000029713	GNB2	0.479984	0.100952	1.99E-06	6.38E-06
ENSMUSG00000090137	UBA52	0.476391	0.100201	1.99E-06	6.38E-06
ENSMUSG00000030725	LIPT2	-0.75274	0.158338	1.99E-06	6.39E-06
ENSMUSG00000020716	NF1	0.621157	0.130663	2.00E-06	6.40E-06
ENSMUSG00000079620	MUC4	-2.27455	0.478528	2.00E-06	6.42E-06
ENSMUSG00000032549	RAB6B	-1.26678	0.266533	2.01E-06	6.43E-06
ENSMUSG00000033396	SPG11	-0.6552	0.137856	2.01E-06	6.43E-06
ENSMUSG00000033467	CRLF2	1.121165	0.235933	2.01E-06	6.45E-06

ENSMUSG00000022019	TDRD3	-0.46752	0.098385	2.01E-06	6.45E-06
ENSMUSG00000030717	NUPR1	0.788641	0.165994	2.02E-06	6.48E-06
ENSMUSG000000057969	SEMA3B	-1.10945	0.233542	2.03E-06	6.49E-06
ENSMUSG000000028955	VAMP3	0.412843	0.086911	2.03E-06	6.50E-06
ENSMUSG000000031286	GLT28D2	-0.64924	0.136683	2.03E-06	6.51E-06
ENSMUSG000000001520	NRIP2	-1.07953	0.22732	2.04E-06	6.54E-06
ENSMUSG000000024691	FAM111A	0.588881	0.124019	2.05E-06	6.56E-06
ENSMUSG000000003062	STARD3NL	0.577949	0.121748	2.06E-06	6.60E-06
ENSMUSG000000079165	SAP25	1.0778	0.227058	2.07E-06	6.61E-06
ENSMUSG000000028799	ZFP362	-0.53047	0.111789	2.08E-06	6.65E-06
ENSMUSG000000024589	NEDD4L	-0.41389	0.087222	2.08E-06	6.66E-06
ENSMUSG000000056220	PLA2G4A	1.037672	0.218694	2.09E-06	6.67E-06
ENSMUSG000000038028	TIGAR	-0.53407	0.11258	2.10E-06	6.70E-06
ENSMUSG000000018920	CXCL16	0.719995	0.151831	2.12E-06	6.75E-06
ENSMUSG000000024048	MYL12A	0.427374	0.090136	2.12E-06	6.77E-06
ENSMUSG000000024070	PRKD3	-0.45939	0.09689	2.12E-06	6.78E-06
ENSMUSG000000006498	PTBP1	0.466756	0.098458	2.13E-06	6.80E-06
ENSMUSG000000110291	GM37419	3.083695	0.650541	2.14E-06	6.81E-06
ENSMUSG000000027399	IL1A	1.138266	0.240136	2.14E-06	6.82E-06
ENSMUSG000000023968	CRIP3	-2.23824	0.472331	2.15E-06	6.86E-06
ENSMUSG000000091515	ZFP422-PS	-1.6112	0.340055	2.16E-06	6.88E-06
ENSMUSG000000026383	EPB41L5	-1.20135	0.253592	2.17E-06	6.90E-06
ENSMUSG000000029821	GSDME	0.639461	0.134985	2.17E-06	6.91E-06
ENSMUSG000000052911	LAMB2	-0.58005	0.122449	2.17E-06	6.91E-06
ENSMUSG000000078868	GM14412	-1.68625	0.356049	2.18E-06	6.95E-06
ENSMUSG000000020083	FAM241B	-1.26703	0.267541	2.18E-06	6.95E-06
ENSMUSG000000024066	XDH	-0.71566	0.151133	2.19E-06	6.97E-06
ENSMUSG000000078878	GM14305	-0.89743	0.189542	2.19E-06	6.98E-06
ENSMUSG000000053693	MAST1	1.573287	0.332296	2.19E-06	6.99E-06
ENSMUSG000000106447	GM42957	-2.65348	0.560468	2.20E-06	6.99E-06
ENSMUSG000000048007	TIMM8A1	0.42592	0.089964	2.20E-06	7.00E-06
ENSMUSG000000023104	RFC2	0.472625	0.099832	2.20E-06	7.00E-06
ENSMUSG000000024079	EIF2AK2	-0.73534	0.155325	2.20E-06	7.00E-06
ENSMUSG000000074282	ZFP94	0.933061	0.197126	2.21E-06	7.03E-06
ENSMUSG000000025868	HIGD2A	0.450603	0.095199	2.21E-06	7.03E-06
ENSMUSG000000024234	MTPAP	0.4096	0.086553	2.22E-06	7.06E-06
ENSMUSG000000025608	PODXL	-0.39414	0.08329	2.22E-06	7.06E-06
ENSMUSG000000068732	TMEM167B	0.397056	0.083915	2.23E-06	7.08E-06
ENSMUSG000000074283	ZFP109	-1.7091	0.361353	2.25E-06	7.15E-06
ENSMUSG000000068011	MKRN2OS	-1.45553	0.307862	2.27E-06	7.21E-06
ENSMUSG000000041697	COX6A1	0.437872	0.092632	2.28E-06	7.24E-06
ENSMUSG000000071335	MFSD4B3	-0.89972	0.190347	2.28E-06	7.25E-06
ENSMUSG000000032412	ATP1B3	0.44437	0.094021	2.29E-06	7.26E-06
ENSMUSG000000028385	SNX30	0.702212	0.148588	2.29E-06	7.27E-06
ENSMUSG000000030814	BCL7C	0.480009	0.101573	2.29E-06	7.28E-06
ENSMUSG000000024486	HBEGF	2.282493	0.483105	2.31E-06	7.31E-06
ENSMUSG000000052698	TLN2	-0.39761	0.084156	2.31E-06	7.31E-06
ENSMUSG000000029440	PSMD9	0.531867	0.112592	2.31E-06	7.34E-06
ENSMUSG000000031367	AP1S2	0.400221	0.084724	2.31E-06	7.34E-06
ENSMUSG000000039159	UBE2H	-0.46361	0.098145	2.32E-06	7.34E-06

ENSMUSG00000020831	0610010K14RII	0.617362	0.130698	2.32E-06	7.35E-06
ENSMUSG00000027300	UBOX5	0.487626	0.103247	2.32E-06	7.37E-06
ENSMUSG00000026223	ITM2C	-0.40895	0.086602	2.33E-06	7.39E-06
ENSMUSG00000051107	ENSMUSG0000C	-0.47781	0.10121	2.35E-06	7.44E-06
ENSMUSG00000009739	POU6F1	-0.58766	0.124485	2.35E-06	7.45E-06
ENSMUSG00000017417	PLXDC1	-1.24367	0.263493	2.36E-06	7.47E-06
ENSMUSG00000040364	SEC1	2.230377	0.472566	2.36E-06	7.48E-06
ENSMUSG00000058709	EGLN2	0.399677	0.084682	2.36E-06	7.48E-06
ENSMUSG00000028228	CPNE3	-0.56829	0.120436	2.37E-06	7.52E-06
ENSMUSG00000049092	GPR137C	-1.85729	0.393644	2.38E-06	7.53E-06
ENSMUSG00000020739	NUP85	0.493703	0.104644	2.38E-06	7.54E-06
ENSMUSG00000027673	NDUFB5	0.522028	0.110669	2.39E-06	7.57E-06
ENSMUSG00000034462	PKD2	-0.54108	0.114717	2.40E-06	7.58E-06
ENSMUSG00000028690	MMACHC	-0.46196	0.097982	2.42E-06	7.65E-06
ENSMUSG00000037428	VGF	3.758986	0.797301	2.42E-06	7.66E-06
ENSMUSG00000037525	BCDIN3D	0.62208	0.13199	2.44E-06	7.71E-06
ENSMUSG00000073471	RSPH3A	-0.41808	0.088727	2.45E-06	7.75E-06
ENSMUSG00000017667	ZFP334	-0.67957	0.144243	2.46E-06	7.78E-06
ENSMUSG00000036751	COX6B1	0.53618	0.113812	2.46E-06	7.78E-06
ENSMUSG00000037306	MAN1C1	-0.93488	0.198459	2.47E-06	7.80E-06
ENSMUSG00000053470	KDM3A	0.49494	0.105074	2.47E-06	7.81E-06
ENSMUSG00000060176	KIF27	1.502392	0.31901	2.48E-06	7.84E-06
ENSMUSG00000029108	PCDH7	-0.39921	0.084775	2.49E-06	7.86E-06
ENSMUSG00000027011	UBE2E3	-0.47087	0.099994	2.49E-06	7.86E-06
ENSMUSG00000035189	ANO4	-0.79656	0.169189	2.50E-06	7.89E-06
ENSMUSG00000026639	LAMB3	-1.18017	0.250728	2.51E-06	7.93E-06
ENSMUSG00000031847	1700030J22RIK	1.11284	0.23646	2.52E-06	7.96E-06
ENSMUSG00000059975	ZFP74	-0.82647	0.175625	2.53E-06	7.97E-06
ENSMUSG00000038900	RPL12	0.900044	0.191277	2.53E-06	7.99E-06
ENSMUSG00000029918	MRPS33	0.442035	0.093949	2.54E-06	8.00E-06
ENSMUSG00000022518	4930562C15RII	1.339064	0.284689	2.56E-06	8.06E-06
ENSMUSG00000025899	ALKBH8	-0.63133	0.134246	2.57E-06	8.09E-06
ENSMUSG00000028755	CDA	1.2546	0.266974	2.61E-06	8.23E-06
ENSMUSG00000035021	BAZ1A	0.865579	0.184237	2.62E-06	8.27E-06
ENSMUSG00000024975	PDCD4	-0.63984	0.1362	2.63E-06	8.28E-06
ENSMUSG00000006360	CRIP1	0.785553	0.167251	2.64E-06	8.32E-06
ENSMUSG00000038987	CFAP157	1.245202	0.265154	2.65E-06	8.35E-06
ENSMUSG00000039004	BMP6	-0.91915	0.195769	2.67E-06	8.39E-06
ENSMUSG00000029346	SRRD	0.55801	0.118866	2.67E-06	8.42E-06
ENSMUSG00000006920	EZH1	-0.50148	0.106839	2.68E-06	8.44E-06
ENSMUSG00000061479	SNRPA	0.598709	0.127573	2.69E-06	8.47E-06
ENSMUSG00000040054	BAZ2A	0.560406	0.119417	2.69E-06	8.48E-06
ENSMUSG00000069308	HIST1H2BP	2.841992	0.605746	2.71E-06	8.52E-06
ENSMUSG00000025184	R3HCC1L	0.615681	0.131234	2.71E-06	8.53E-06
ENSMUSG00000037012	HK1	0.387326	0.082565	2.72E-06	8.54E-06
ENSMUSG00000024191	BNIP1	0.46009	0.098081	2.72E-06	8.55E-06
ENSMUSG00000008301	PHAX	0.444884	0.094842	2.72E-06	8.55E-06
ENSMUSG00000067847	ROMO1	0.605254	0.129032	2.72E-06	8.55E-06
ENSMUSG00000060716	PLEKHH1	-1.44473	0.308001	2.72E-06	8.56E-06
ENSMUSG00000030726	POLD3	0.565257	0.120514	2.73E-06	8.57E-06

ENSMUSG00000020865	ABCC3	1.266007	0.269958	2.74E-06	8.60E-06
ENSMUSG00000062825	ACTG1	0.821017	0.17509	2.74E-06	8.62E-06
ENSMUSG00000034889	CACTIN	0.521459	0.111212	2.75E-06	8.62E-06
ENSMUSG00000087408	CERS1	-2.46807	0.526371	2.75E-06	8.63E-06
ENSMUSG00000061322	DNAIC1	-0.99117	0.21148	2.77E-06	8.71E-06
ENSMUSG00000092329	GM20388	0.786953	0.167959	2.79E-06	8.77E-06
ENSMUSG0000003033	AP1M1	-0.43836	0.093574	2.80E-06	8.80E-06
ENSMUSG00000020288	AHSA2	-0.45495	0.09714	2.82E-06	8.85E-06
ENSMUSG00000026880	STOM	-0.77827	0.166182	2.82E-06	8.86E-06
ENSMUSG00000090942	F830016B08RII	-2.0669	0.441376	2.83E-06	8.87E-06
ENSMUSG00000005952	TRPV1	1.731112	0.369709	2.84E-06	8.89E-06
ENSMUSG00000038708	GOLGA4	-0.38694	0.082669	2.86E-06	8.97E-06
ENSMUSG00000025949	PIKFYVE	0.522184	0.111572	2.87E-06	8.98E-06
ENSMUSG00000023572	CCNDBP1	0.418767	0.089487	2.87E-06	9.00E-06
ENSMUSG00000023990	TFEB	-0.58436	0.124882	2.88E-06	9.02E-06
ENSMUSG00000041476	SMPX	0.390318	0.083416	2.88E-06	9.02E-06
ENSMUSG00000056260	LRIF1	0.47206	0.100897	2.89E-06	9.04E-06
ENSMUSG00000028015	CTSO	-0.70505	0.150725	2.90E-06	9.08E-06
ENSMUSG00000040857	ERF	0.442914	0.094691	2.90E-06	9.09E-06
ENSMUSG00000030768	DISP1	-0.51872	0.110903	2.91E-06	9.10E-06
ENSMUSG00000055302	MRFAP1	0.39925	0.085361	2.91E-06	9.10E-06
ENSMUSG00000049897	STKLD1	2.00895	0.429634	2.93E-06	9.15E-06
ENSMUSG000000108596	GM49368	2.7184	0.581424	2.93E-06	9.18E-06
ENSMUSG00000059323	TONSL	0.393421	0.084175	2.96E-06	9.24E-06
ENSMUSG00000022982	SOD1	0.604483	0.129336	2.96E-06	9.25E-06
ENSMUSG00000053390	ZFP952	-0.59177	0.126623	2.96E-06	9.26E-06
ENSMUSG00000029816	GPNMB	2.238155	0.478944	2.97E-06	9.27E-06
ENSMUSG00000052751	REPIN1	-0.40585	0.086891	3.00E-06	9.38E-06
ENSMUSG00000091530	CLDN20	-2.1362	0.457358	3.00E-06	9.38E-06
ENSMUSG00000034801	SOS2	-0.44074	0.094366	3.00E-06	9.38E-06
ENSMUSG00000019210	ATP6V1E1	0.608919	0.130405	3.02E-06	9.43E-06
ENSMUSG00000093752	GM20716	-0.39153	0.083855	3.02E-06	9.45E-06
ENSMUSG00000031762	MT2	2.809999	0.601984	3.04E-06	9.50E-06
ENSMUSG00000045679	PQLC3	0.775081	0.166046	3.04E-06	9.50E-06
ENSMUSG00000021186	FBLN5	-0.86167	0.184599	3.04E-06	9.50E-06
ENSMUSG00000029610	AIMP2	0.507935	0.108832	3.05E-06	9.53E-06
ENSMUSG00000025158	RFNG	-0.43071	0.092288	3.06E-06	9.54E-06
ENSMUSG00000036932	AIFM1	-0.41562	0.089108	3.10E-06	9.66E-06
ENSMUSG00000039693	MSANTD3	0.517115	0.1109	3.12E-06	9.72E-06
ENSMUSG00000038521	C1S1	-0.86954	0.186526	3.13E-06	9.78E-06
ENSMUSG00000030742	LAT	1.455662	0.312456	3.18E-06	9.92E-06
ENSMUSG00000027004	FRZB	0.825765	0.177253	3.18E-06	9.92E-06
ENSMUSG00000061740	CYP2D22	-0.44165	0.094827	3.20E-06	9.98E-06
ENSMUSG00000047539	FBXO28	0.495073	0.106321	3.22E-06	1.00E-05
ENSMUSG00000024901	PELI3	-1.72403	0.370328	3.23E-06	1.01E-05
ENSMUSG00000028514	USP24	-0.38564	0.082836	3.23E-06	1.01E-05
ENSMUSG00000061878	SPHK1	3.23072	0.693967	3.23E-06	1.01E-05
ENSMUSG00000071984	FNDC1	-2.02922	0.4361	3.27E-06	1.02E-05
ENSMUSG00000030301	CCDC91	-0.57107	0.122741	3.28E-06	1.02E-05
ENSMUSG00000042426	DHX29	0.398578	0.085668	3.28E-06	1.02E-05

ENSMUSG00000056629	FKBP2	0.467011	0.100388	3.29E-06	1.02E-05
ENSMUSG00000045302	PREB	0.40104	0.086209	3.29E-06	1.02E-05
ENSMUSG00000006675	P4HTM	-0.89745	0.192977	3.31E-06	1.03E-05
ENSMUSG00000040697	DNAJC16	-0.57185	0.12297	3.31E-06	1.03E-05
ENSMUSG00000031532	SARAF	0.39957	0.085934	3.32E-06	1.03E-05
ENSMUSG00000072596	EAR2	2.969896	0.638745	3.33E-06	1.03E-05
ENSMUSG00000028329	XPA	0.575998	0.123894	3.33E-06	1.04E-05
ENSMUSG00000001767	CRNKL1	0.560931	0.120661	3.34E-06	1.04E-05
ENSMUSG00000042608	STK40	0.603131	0.129751	3.35E-06	1.04E-05
ENSMUSG00000027016	ZFP385B	-1.2219	0.262894	3.35E-06	1.04E-05
ENSMUSG00000005897	NR2C1	-0.59812	0.128699	3.36E-06	1.04E-05
ENSMUSG00000062939	STAT4	1.744631	0.375438	3.37E-06	1.05E-05
ENSMUSG00000041439	MFSD6	-0.83687	0.180127	3.38E-06	1.05E-05
ENSMUSG00000036315	ZNRD1	0.484108	0.104216	3.40E-06	1.05E-05
ENSMUSG00000040964	ARHGEF10L	-0.39085	0.084142	3.40E-06	1.05E-05
ENSMUSG00000025647	SHISA5	0.516497	0.111196	3.40E-06	1.06E-05
ENSMUSG00000004530	CORO1C	0.501022	0.107872	3.41E-06	1.06E-05
ENSMUSG00000037242	CLIC4	0.413375	0.089076	3.47E-06	1.08E-05
ENSMUSG00000011096	AKT1S1	0.403247	0.086896	3.47E-06	1.08E-05
ENSMUSG00000020182	DDC	-0.97409	0.209907	3.47E-06	1.08E-05
ENSMUSG00000022051	BNIP3L	0.729988	0.157341	3.49E-06	1.08E-05
ENSMUSG00000032300	1700017B05RII	1.064914	0.229538	3.49E-06	1.08E-05
ENSMUSG00000046487	MOSPD4	2.49678	0.538223	3.50E-06	1.09E-05
ENSMUSG00000029761	CALD1	0.598139	0.128998	3.54E-06	1.10E-05
ENSMUSG00000111501	ENSMUSG000C	-1.02683	0.221472	3.55E-06	1.10E-05
ENSMUSG00000052133	SEMA5B	-2.59104	0.558866	3.55E-06	1.10E-05
ENSMUSG00000025648	PFKFB4	0.622679	0.134317	3.55E-06	1.10E-05
ENSMUSG00000038233	FAM198A	-1.86932	0.403237	3.56E-06	1.10E-05
ENSMUSG00000073468	SFT2D1	0.523766	0.112984	3.56E-06	1.10E-05
ENSMUSG00000079555	HAUS3	0.846176	0.182572	3.57E-06	1.11E-05
ENSMUSG00000027799	NBEA	-0.49856	0.10758	3.58E-06	1.11E-05
ENSMUSG00000028631	KCNQ4	-0.82828	0.178732	3.58E-06	1.11E-05
ENSMUSG00000037104	SOCS5	0.449312	0.09696	3.59E-06	1.11E-05
ENSMUSG00000026600	SOAT1	1.121094	0.241996	3.61E-06	1.12E-05
ENSMUSG00000074643	CPNE1	0.60176	0.12991	3.62E-06	1.12E-05
ENSMUSG00000033434	GTPBP6	0.598635	0.129254	3.63E-06	1.12E-05
ENSMUSG00000048175	ASB8	-0.38428	0.08298	3.64E-06	1.13E-05
ENSMUSG00000028811	YARS	0.468831	0.101264	3.66E-06	1.13E-05
ENSMUSG00000026357	RGS18	1.835478	0.396472	3.66E-06	1.13E-05
ENSMUSG00000025264	TSR2	0.430422	0.092979	3.67E-06	1.13E-05
ENSMUSG00000006005	TPR	0.406002	0.087705	3.67E-06	1.13E-05
ENSMUSG00000024792	ZFPL1	0.497798	0.107538	3.67E-06	1.13E-05
ENSMUSG00000041716	GM20604	0.512625	0.110757	3.69E-06	1.14E-05
ENSMUSG00000045114	PRRT2	-1.67173	0.361213	3.69E-06	1.14E-05
ENSMUSG00000076431	SOX4	-1.03383	0.223401	3.70E-06	1.14E-05
ENSMUSG00000070814	ZSWIM9	-0.45706	0.098779	3.71E-06	1.14E-05
ENSMUSG00000027001	DUSP19	-0.61608	0.133154	3.71E-06	1.15E-05
ENSMUSG00000000194	GPR107	0.541949	0.117163	3.73E-06	1.15E-05
ENSMUSG00000081583	GM14769	2.486027	0.537532	3.75E-06	1.16E-05
ENSMUSG00000079465	COL4A3	-1.64641	0.356122	3.78E-06	1.17E-05

ENSMUSG00000062980	CPED1	-0.54876	0.118717	3.79E-06	1.17E-05
ENSMUSG00000026843	FUBP3	0.614333	0.13292	3.80E-06	1.17E-05
ENSMUSG00000079014	SERPINA3I	4.681584	1.013156	3.82E-06	1.18E-05
ENSMUSG00000070354	EVI2	2.543294	0.550445	3.83E-06	1.18E-05
ENSMUSG00000063428	DDO	-0.87692	0.189912	3.88E-06	1.20E-05
ENSMUSG00000010392	GOSR1	0.645272	0.139786	3.91E-06	1.20E-05
ENSMUSG00000025878	UIMC1	0.408714	0.088546	3.91E-06	1.21E-05
ENSMUSG00000014444	PIEZO1	0.573315	0.124266	3.96E-06	1.22E-05
ENSMUSG00000043943	NAALAD2	-0.93126	0.201862	3.96E-06	1.22E-05
ENSMUSG00000034212	ANKMY1	1.640795	0.355861	4.01E-06	1.24E-05
ENSMUSG00000063897	CAAA011838	0.573776	0.124453	4.02E-06	1.24E-05
ENSMUSG00000034532	FBXO16	-1.8533	0.402112	4.05E-06	1.25E-05
ENSMUSG00000001418	GLMP	0.441614	0.095862	4.09E-06	1.26E-05
ENSMUSG00000032193	LDLR	0.974434	0.211615	4.13E-06	1.27E-05
ENSMUSG00000054312	MRPS21	0.705769	0.153291	4.14E-06	1.27E-05
ENSMUSG00000028030	TBCK	-0.48436	0.105219	4.16E-06	1.28E-05
ENSMUSG00000022748	CMSS1	-0.70541	0.153246	4.16E-06	1.28E-05
ENSMUSG00000026672	OPTN	-0.77042	0.167374	4.16E-06	1.28E-05
ENSMUSG00000030126	TMCC1	-0.40164	0.087255	4.16E-06	1.28E-05
ENSMUSG00000037455	SLC18B1	-1.27445	0.2769	4.17E-06	1.28E-05
ENSMUSG00000021981	CAB39L	-0.42909	0.093234	4.18E-06	1.28E-05
ENSMUSG00000018822	SFRP5	-2.11626	0.459857	4.18E-06	1.29E-05
ENSMUSG00000023827	AGPAT4	0.841915	0.182978	4.20E-06	1.29E-05
ENSMUSG00000051469	ZFP24	-0.67662	0.147062	4.21E-06	1.29E-05
ENSMUSG00000042333	TNFRSF14	-1.08384	0.23559	4.21E-06	1.29E-05
ENSMUSG000000111375	BTBD8	-1.52693	0.331903	4.21E-06	1.29E-05
ENSMUSG00000031610	SCRG1	2.468963	0.536687	4.22E-06	1.29E-05
ENSMUSG00000040482	DXO	0.54923	0.119393	4.22E-06	1.29E-05
ENSMUSG000000106831	UBE2N-PS1	0.529839	0.115208	4.25E-06	1.30E-05
ENSMUSG00000028247	COQ3	-0.43143	0.093856	4.29E-06	1.32E-05
ENSMUSG00000055865	FAM19A3	-1.23798	0.269365	4.31E-06	1.32E-05
ENSMUSG000000104063	PCDHGB7	-0.63993	0.139264	4.33E-06	1.33E-05
ENSMUSG00000006191	CDKAL1	-0.48452	0.105452	4.33E-06	1.33E-05
ENSMUSG00000023017	ASIC1	-0.79334	0.172696	4.35E-06	1.33E-05
ENSMUSG00000040681	HMGN1	-0.48471	0.105525	4.36E-06	1.34E-05
ENSMUSG00000030047	ARHGAP25	0.593952	0.129314	4.37E-06	1.34E-05
ENSMUSG00000016918	SULF1	0.525491	0.114443	4.40E-06	1.35E-05
ENSMUSG00000016382	PLS3	0.379901	0.082738	4.40E-06	1.35E-05
ENSMUSG00000056492	ADGRF5	-0.38354	0.083536	4.40E-06	1.35E-05
ENSMUSG00000068580	ZFYVE19	0.563597	0.122758	4.41E-06	1.35E-05
ENSMUSG00000026311	ASB1	0.534612	0.116457	4.42E-06	1.35E-05
ENSMUSG00000053684	BC048403	0.698314	0.152171	4.45E-06	1.36E-05
ENSMUSG00000024812	TJP2	0.559651	0.121959	4.46E-06	1.36E-05
ENSMUSG00000041609	BICDL1	-1.19763	0.261219	4.55E-06	1.39E-05
ENSMUSG00000049252	LRP1B	-2.33131	0.508641	4.57E-06	1.40E-05
ENSMUSG00000051185	FAM174A	0.40433	0.088238	4.60E-06	1.41E-05
ENSMUSG00000020132	RAB21	-0.37908	0.082736	4.61E-06	1.41E-05
ENSMUSG00000015522	ARNT	0.383859	0.083789	4.62E-06	1.41E-05
ENSMUSG00000049323	SMCR8	0.394976	0.086221	4.63E-06	1.41E-05
ENSMUSG00000048481	MYPOP	-0.72185	0.1576	4.64E-06	1.42E-05

ENSMUSG00000030877	MFSD13B	2.14593	0.468632	4.67E-06	1.43E-05
ENSMUSG00000024136	DNASE1L2	-1.03459	0.225937	4.67E-06	1.43E-05
ENSMUSG00000034471	CASKIN2	-0.63356	0.138363	4.67E-06	1.43E-05
ENSMUSG00000021431	SNRNP48	0.772407	0.168696	4.68E-06	1.43E-05
ENSMUSG00000037032	APBB1	-0.71284	0.155724	4.70E-06	1.44E-05
ENSMUSG00000022309	ANGPT1	-2.06437	0.450986	4.71E-06	1.44E-05
ENSMUSG00000035933	COG5	-0.85444	0.186787	4.78E-06	1.46E-05
ENSMUSG00000022516	NUDT16L1	-0.66346	0.145043	4.78E-06	1.46E-05
ENSMUSG00000066357	WDR6	-0.81894	0.179077	4.81E-06	1.47E-05
ENSMUSG00000032330	COX7A2	0.383252	0.083819	4.82E-06	1.47E-05
ENSMUSG00000099796	GM7893	2.83285	0.619555	4.82E-06	1.47E-05
ENSMUSG00000028607	CPT2	-1.06516	0.232974	4.83E-06	1.47E-05
ENSMUSG00000051853	ARF3	0.567461	0.124128	4.84E-06	1.48E-05
ENSMUSG00000021589	RHOBTB3	-0.57118	0.124953	4.85E-06	1.48E-05
ENSMUSG00000024970	SPINDOC	0.438494	0.095927	4.85E-06	1.48E-05
ENSMUSG00000014837	4931428F04RII	-1.14373	0.250212	4.85E-06	1.48E-05
ENSMUSG00000020311	ERLEC1	0.605284	0.132435	4.87E-06	1.48E-05
ENSMUSG00000047216	CDH19	-1.06313	0.23266	4.89E-06	1.49E-05
ENSMUSG00000033855	STON1	-0.74673	0.163446	4.91E-06	1.49E-05
ENSMUSG00000044285	GM1821	0.845579	0.185139	4.94E-06	1.50E-05
ENSMUSG00000025157	ZDHHC16	0.472707	0.103524	4.97E-06	1.51E-05
ENSMUSG00000028427	AQP7	-1.21361	0.265829	4.99E-06	1.52E-05
ENSMUSG00000024663	RAB3IL1	0.738429	0.161754	4.99E-06	1.52E-05
ENSMUSG00000015093	CLIC3	-1.62393	0.355749	5.00E-06	1.52E-05
ENSMUSG00000034656	CACNA1A	-1.12186	0.245876	5.05E-06	1.54E-05
ENSMUSG00000046417	LRRC75A	-0.98167	0.215256	5.10E-06	1.55E-05
ENSMUSG00000025903	LYPLA1	-0.3962	0.086883	5.11E-06	1.55E-05
ENSMUSG00000024960	PLCB3	-0.70715	0.155124	5.15E-06	1.57E-05
ENSMUSG00000027350	CHGB	1.155031	0.253497	5.20E-06	1.58E-05
ENSMUSG00000054519	ZFP867	-0.49506	0.108657	5.21E-06	1.58E-05
ENSMUSG00000033970	RFC3	0.729393	0.160112	5.23E-06	1.59E-05
ENSMUSG00000045065	9930022D16RI	2.74243	0.602053	5.24E-06	1.59E-05
ENSMUSG00000047067	DUSP28	0.502053	0.110264	5.28E-06	1.60E-05
ENSMUSG00000036591	ARHGAP21	-0.89202	0.195914	5.29E-06	1.61E-05
ENSMUSG00000026429	UBE2T	-0.86658	0.190356	5.30E-06	1.61E-05
ENSMUSG00000069539	SCYL2	0.413431	0.090816	5.30E-06	1.61E-05
ENSMUSG00000080152	GM12260	2.47798	0.544343	5.31E-06	1.61E-05
ENSMUSG00000058244	OLFR506	1.386467	0.304617	5.33E-06	1.62E-05
ENSMUSG00000054474	THNSL2	-0.66758	0.146712	5.36E-06	1.63E-05
ENSMUSG00000050463	KRT78	2.129117	0.46803	5.39E-06	1.63E-05
ENSMUSG00000021565	SLC6A19	2.162969	0.475524	5.40E-06	1.64E-05
ENSMUSG00000031171	FTSJ1	-0.52919	0.11635	5.41E-06	1.64E-05
ENSMUSG00000032878	CCDC85A	-0.62001	0.136334	5.42E-06	1.64E-05
ENSMUSG00000020190	MKNK2	0.382441	0.084104	5.43E-06	1.65E-05
ENSMUSG00000013089	ETV5	-0.80801	0.177707	5.44E-06	1.65E-05
ENSMUSG00000031822	GSE1	-0.74727	0.164365	5.46E-06	1.65E-05
ENSMUSG00000022476	POLR3H	0.481554	0.105921	5.46E-06	1.65E-05
ENSMUSG00000040111	GRAMD1B	-1.37623	0.302744	5.47E-06	1.66E-05
ENSMUSG00000066324	IMPAD1	-0.54694	0.120314	5.47E-06	1.66E-05
ENSMUSG00000040296	DDX58	-0.5854	0.128803	5.50E-06	1.66E-05

ENSMUSG00000041642	KIF21B	1.131093	0.248897	5.51E-06	1.67E-05
ENSMUSG00000042363	LGALSL	-0.57559	0.12669	5.54E-06	1.68E-05
ENSMUSG00000037437	ADAM32	1.63066	0.358974	5.56E-06	1.68E-05
ENSMUSG00000041736	TSPO	0.899739	0.198098	5.58E-06	1.69E-05
ENSMUSG00000032249	ANP32A	0.487099	0.107249	5.58E-06	1.69E-05
ENSMUSG00000052435	CEBPE	2.960118	0.652051	5.63E-06	1.70E-05
ENSMUSG00000083813	GM15502	-2.18613	0.481864	5.71E-06	1.73E-05
ENSMUSG00000056290	MS4A4B	1.419	0.312887	5.76E-06	1.74E-05
ENSMUSG00000109196	GM44715	-0.88781	0.19577	5.76E-06	1.74E-05
ENSMUSG00000029596	SDSL	0.510279	0.112526	5.77E-06	1.74E-05
ENSMUSG00000060510	ZFP266	0.616755	0.136042	5.80E-06	1.75E-05
ENSMUSG00000021255	ESRRB	-1.50672	0.332354	5.80E-06	1.75E-05
ENSMUSG00000009293	UBE2G2	0.426561	0.094101	5.81E-06	1.76E-05
ENSMUSG00000030846	TIAL1	0.388576	0.085744	5.85E-06	1.77E-05
ENSMUSG00000041075	FZD7	-0.58157	0.128347	5.86E-06	1.77E-05
ENSMUSG00000035900	GRAMD4	-0.78246	0.172688	5.87E-06	1.77E-05
ENSMUSG00000043587	PXYLP1	-1.38062	0.304727	5.88E-06	1.78E-05
ENSMUSG00000024287	THOC1	0.504703	0.111402	5.89E-06	1.78E-05
ENSMUSG00000000787	DDX3X	0.471509	0.104084	5.90E-06	1.78E-05
ENSMUSG00000082762	GM12366	1.364952	0.301312	5.90E-06	1.78E-05
ENSMUSG00000030967	ZRANB1	0.379781	0.083873	5.95E-06	1.80E-05
ENSMUSG00000036925	MUCL2	-1.81652	0.401255	5.98E-06	1.80E-05
ENSMUSG00000031837	NECAB2	2.363848	0.522401	6.04E-06	1.82E-05
ENSMUSG00000030787	LYVE1	-0.56822	0.125595	6.06E-06	1.83E-05
ENSMUSG00000021451	SEMA4D	-0.64819	0.143291	6.08E-06	1.83E-05
ENSMUSG00000071671	GM10343	4.082473	0.902488	6.08E-06	1.83E-05
ENSMUSG00000046879	IRGM1	-0.69558	0.153771	6.08E-06	1.83E-05
ENSMUSG00000050174	NUDT6	-0.4518	0.099928	6.15E-06	1.85E-05
ENSMUSG00000008730	HIPK1	0.654181	0.144695	6.15E-06	1.85E-05
ENSMUSG00000057948	UNC13D	1.084117	0.239814	6.16E-06	1.86E-05
ENSMUSG00000009647	MCU	-0.48014	0.106213	6.17E-06	1.86E-05
ENSMUSG00000015759	CNIH1	0.375586	0.083128	6.24E-06	1.88E-05
ENSMUSG00000020736	NT5C	0.804002	0.177962	6.25E-06	1.88E-05
ENSMUSG00000040351	ANKIB1	0.947107	0.209651	6.26E-06	1.88E-05
ENSMUSG00000018433	NOL11	0.431516	0.095554	6.30E-06	1.90E-05
ENSMUSG00000029311	HSD17B11	-0.58358	0.129234	6.31E-06	1.90E-05
ENSMUSG00000031951	TMEM231	-0.76514	0.169459	6.33E-06	1.90E-05
ENSMUSG00000075224	LRRC55	-2.05732	0.455642	6.33E-06	1.90E-05
ENSMUSG00000039414	HEATR5B	-1.15532	0.255894	6.34E-06	1.91E-05
ENSMUSG00000057098	EBF1	-0.58691	0.129999	6.34E-06	1.91E-05
ENSMUSG00000034424	GCSH	0.376763	0.083455	6.34E-06	1.91E-05
ENSMUSG00000003847	NFAT5	0.492287	0.109047	6.35E-06	1.91E-05
ENSMUSG00000050107	HASPIN	1.285642	0.284853	6.38E-06	1.92E-05
ENSMUSG00000031154	OTUD5	0.393736	0.087242	6.39E-06	1.92E-05
ENSMUSG00000073752	GM10570	1.108742	0.245677	6.39E-06	1.92E-05
ENSMUSG00000047407	TGIF1	0.898436	0.1991	6.41E-06	1.92E-05
ENSMUSG00000022466	RPAP3	-0.43395	0.096189	6.44E-06	1.93E-05
ENSMUSG00000029458	BRAP	0.392561	0.087034	6.47E-06	1.94E-05
ENSMUSG00000020525	PPM1D	0.52057	0.115422	6.48E-06	1.94E-05
ENSMUSG00000104577	GM6641	1.665487	0.369303	6.49E-06	1.95E-05

ENSMUSG00000070806	ZMYND12	1.983981	0.439979	6.51E-06	1.95E-05
ENSMUSG00000041378	CLDN5	1.653891	0.366785	6.51E-06	1.95E-05
ENSMUSG00000040383	AQR	-0.41884	0.092891	6.52E-06	1.95E-05
ENSMUSG00000072572	SLC39A2	-1.16681	0.258829	6.54E-06	1.96E-05
ENSMUSG00000057963	ITPK1	0.8271	0.183496	6.56E-06	1.97E-05
ENSMUSG00000033004	MYCBP2	0.386328	0.08571	6.56E-06	1.97E-05
ENSMUSG00000021113	SNAPC1	0.747985	0.165987	6.60E-06	1.98E-05
ENSMUSG00000011752	PGAM1	0.37409	0.083017	6.60E-06	1.98E-05
ENSMUSG00000020541	TOM1L1	-1.19405	0.265019	6.62E-06	1.98E-05
ENSMUSG00000026748	PLXDC2	-0.54602	0.121252	6.70E-06	2.01E-05
ENSMUSG00000026817	AK1	-0.89455	0.198661	6.70E-06	2.01E-05
ENSMUSG00000083650	GM13357	2.413645	0.536261	6.77E-06	2.03E-05
ENSMUSG00000022807	OSBPL11	-0.48128	0.106946	6.79E-06	2.03E-05
ENSMUSG00000023830	IGF2R	-0.55056	0.122394	6.85E-06	2.05E-05
ENSMUSG00000029474	RNF34	-0.48827	0.108551	6.86E-06	2.05E-05
ENSMUSG00000069729	ARID1B	-0.41455	0.092163	6.86E-06	2.05E-05
ENSMUSG00000052419	2610001J05RIK	0.385995	0.085817	6.86E-06	2.05E-05
ENSMUSG00000038876	RNF146	-0.39394	0.087588	6.87E-06	2.05E-05
ENSMUSG00000063480	SNU13	0.522757	0.116227	6.87E-06	2.05E-05
ENSMUSG00000033191	TIE1	-0.37161	0.082632	6.89E-06	2.06E-05
ENSMUSG00000013736	TRNT1	0.407709	0.090698	6.95E-06	2.08E-05
ENSMUSG00000049553	POLR1A	-0.45221	0.100634	7.00E-06	2.09E-05
ENSMUSG00000031149	PRAF2	0.589935	0.131306	7.03E-06	2.10E-05
ENSMUSG000000108989	GM44984	-1.31115	0.291833	7.03E-06	2.10E-05
ENSMUSG00000032609	KLHDC8B	-0.79821	0.17769	7.05E-06	2.11E-05
ENSMUSG00000017760	CTSA	0.375229	0.083563	7.11E-06	2.12E-05
ENSMUSG00000057193	SLC44A2	-0.50143	0.111676	7.12E-06	2.13E-05
ENSMUSG00000026896	IFIH1	-0.61383	0.136722	7.13E-06	2.13E-05
ENSMUSG00000002767	MRPL2	0.659162	0.146844	7.16E-06	2.14E-05
ENSMUSG00000024588	FECH	-0.49324	0.109903	7.19E-06	2.15E-05
ENSMUSG00000020262	ADARB1	-0.45208	0.100753	7.22E-06	2.16E-05
ENSMUSG00000083655	GM12099	-2.40823	0.536756	7.24E-06	2.16E-05
ENSMUSG00000022159	RAB2B	0.773471	0.172431	7.27E-06	2.17E-05
ENSMUSG00000066043	PHACTR4	0.428452	0.095526	7.28E-06	2.17E-05
ENSMUSG00000023266	FRS3	-0.86912	0.193801	7.31E-06	2.18E-05
ENSMUSG00000005373	MLXIPL	-1.42328	0.317387	7.31E-06	2.18E-05
ENSMUSG00000030861	ACADSB	-0.53435	0.119207	7.38E-06	2.20E-05
ENSMUSG000000106853	GM7492	2.71359	0.605432	7.39E-06	2.20E-05
ENSMUSG00000050702	4930563M21R	2.302674	0.513791	7.40E-06	2.21E-05
ENSMUSG00000028088	FMO5	-1.00188	0.223553	7.41E-06	2.21E-05
ENSMUSG00000021485	MXD3	1.884174	0.420508	7.44E-06	2.22E-05
ENSMUSG00000047496	RNF152	-0.84236	0.188013	7.45E-06	2.22E-05
ENSMUSG00000028470	HINT2	0.769294	0.17174	7.48E-06	2.23E-05
ENSMUSG00000032456	NMNAT3	-0.52551	0.117317	7.49E-06	2.23E-05
ENSMUSG00000037692	AHDC1	-0.52754	0.117773	7.49E-06	2.23E-05
ENSMUSG00000052798	NUP107	0.449364	0.100323	7.49E-06	2.23E-05
ENSMUSG00000029507	PUS1	0.416882	0.093078	7.51E-06	2.23E-05
ENSMUSG00000042642	FLAD1	-0.51846	0.115765	7.52E-06	2.24E-05
ENSMUSG00000006736	TSPAN31	0.378887	0.084616	7.54E-06	2.24E-05
ENSMUSG00000031583	WRN	-0.60782	0.135742	7.54E-06	2.24E-05

ENSMUSG00000037958	NSRP1	0.601136	0.134255	7.55E-06	2.25E-05
ENSMUSG00000043131	MOB1A	0.422185	0.094329	7.62E-06	2.26E-05
ENSMUSG00000022053	EBF2	-0.80872	0.180699	7.62E-06	2.27E-05
ENSMUSG00000028998	TOMM7	0.478276	0.106889	7.66E-06	2.28E-05
ENSMUSG00000014496	ANKRD28	0.374252	0.083645	7.67E-06	2.28E-05
ENSMUSG00000003379	CD79A	1.054344	0.235651	7.67E-06	2.28E-05
ENSMUSG000000061535	C1QTNF7	-0.95383	0.213195	7.68E-06	2.28E-05
ENSMUSG000000031209	HEPH	-1.26004	0.281681	7.70E-06	2.29E-05
ENSMUSG000000058444	MAP2K5	-0.45446	0.10162	7.74E-06	2.30E-05
ENSMUSG000000062944	9130023H24RI	0.594771	0.132995	7.74E-06	2.30E-05
ENSMUSG000000096687	MFSD4B4	-0.9245	0.20675	7.76E-06	2.30E-05
ENSMUSG000000024277	MAPRE2	-0.37123	0.083029	7.78E-06	2.31E-05
ENSMUSG000000021481	ZFP346	0.444134	0.099344	7.80E-06	2.31E-05
ENSMUSG000000034551	HDX	1.473889	0.329682	7.80E-06	2.31E-05
ENSMUSG000000061086	MYL4	0.764239	0.170954	7.81E-06	2.32E-05
ENSMUSG000000090125	POU3F1	2.142478	0.479348	7.84E-06	2.32E-05
ENSMUSG000000027665	PIK3CA	0.438955	0.098232	7.87E-06	2.33E-05
ENSMUSG000000041117	CCDC8	-1.13611	0.254262	7.88E-06	2.34E-05
ENSMUSG000000029627	ZKSCAN14	0.48914	0.10947	7.89E-06	2.34E-05
ENSMUSG000000027854	SIKE1	0.419285	0.093868	7.94E-06	2.35E-05
ENSMUSG000000023932	CDC5L	-0.37642	0.084309	8.02E-06	2.38E-05
ENSMUSG000000020925	CCDC43	0.461025	0.103276	8.04E-06	2.38E-05
ENSMUSG000000063889	CREM	0.720989	0.161522	8.05E-06	2.39E-05
ENSMUSG000000028989	ANGPTL7	-1.12749	0.252605	8.07E-06	2.39E-05
ENSMUSG000000035878	HYKK	-0.82164	0.184135	8.11E-06	2.40E-05
ENSMUSG000000026565	POU2F1	0.837047	0.187598	8.12E-06	2.40E-05
ENSMUSG000000032745	GPBP1	0.383725	0.086002	8.13E-06	2.41E-05
ENSMUSG000000043807	LY6G5B	2.123586	0.476042	8.16E-06	2.42E-05
ENSMUSG000000055067	SMYD3	-0.85276	0.191316	8.30E-06	2.46E-05
ENSMUSG000000111497	GM38431	1.289774	0.289388	8.31E-06	2.46E-05
ENSMUSG000000109739	GM17949	2.616714	0.58712	8.32E-06	2.46E-05
ENSMUSG000000037266	RSRP1	-0.36911	0.08282	8.32E-06	2.46E-05
ENSMUSG000000041481	SERPINA3G	2.423062	0.543794	8.36E-06	2.47E-05
ENSMUSG000000037286	STAG1	0.46017	0.103319	8.43E-06	2.49E-05
ENSMUSG000000039747	ORAI2	0.733805	0.164759	8.44E-06	2.49E-05
ENSMUSG000000021823	VCL	0.374344	0.084058	8.45E-06	2.50E-05
ENSMUSG000000021707	DHFR	0.65025	0.146019	8.46E-06	2.50E-05
ENSMUSG000000019929	DCN	-0.64913	0.14588	8.60E-06	2.54E-05
ENSMUSG000000051133	GM6293	-1.23379	0.277291	8.61E-06	2.54E-05
ENSMUSG000000027750	POSTN	1.677557	0.377033	8.61E-06	2.54E-05
ENSMUSG000000069135	FGFR1OP	0.410692	0.092321	8.65E-06	2.55E-05
ENSMUSG000000066829	ZFP810	-0.61898	0.139147	8.65E-06	2.55E-05
ENSMUSG000000004896	RRNAD1	-0.49572	0.111448	8.67E-06	2.56E-05
ENSMUSG000000021713	PPWD1	0.519781	0.116866	8.68E-06	2.56E-05
ENSMUSG000000020143	DOCK2	0.942146	0.211904	8.74E-06	2.58E-05
ENSMUSG000000048329	MFSD6L	1.412086	0.31762	8.75E-06	2.58E-05
ENSMUSG000000083087	GM11249	1.667338	0.375091	8.78E-06	2.59E-05
ENSMUSG000000043259	FAM13C	-0.87039	0.195832	8.81E-06	2.60E-05
ENSMUSG000000031016	WEE1	-0.44227	0.099514	8.82E-06	2.60E-05
ENSMUSG000000071112	SPX	1.74169	0.391926	8.83E-06	2.60E-05

ENSMUSG00000021062	RAB15	1.389397	0.312678	8.85E-06	2.61E-05
ENSMUSG00000033166	DIS3	0.421516	0.094866	8.86E-06	2.61E-05
ENSMUSG00000033439	TRMT13	-0.56176	0.126443	8.88E-06	2.62E-05
ENSMUSG00000095440	FIGNL2	0.770637	0.173461	8.88E-06	2.62E-05
ENSMUSG00000022052	PPP2R2A	0.527481	0.118745	8.91E-06	2.62E-05
ENSMUSG00000047583	TYW3	-1.05256	0.236958	8.91E-06	2.63E-05
ENSMUSG00000039620	TRMT9B	-1.14191	0.257152	8.97E-06	2.64E-05
ENSMUSG00000079610	ANKRD39	0.545985	0.122953	8.97E-06	2.64E-05
ENSMUSG00000028717	TAL1	-0.67908	0.152946	9.00E-06	2.65E-05
ENSMUSG00000043090	ZFP866	-0.43393	0.097742	9.01E-06	2.65E-05
ENSMUSG00000044026	SLC35G1	-0.69439	0.15642	9.03E-06	2.66E-05
ENSMUSG00000067367	LYAR	0.430448	0.097002	9.10E-06	2.68E-05
ENSMUSG00000078484	ENSMUSG000C	-0.41931	0.094498	9.11E-06	2.68E-05
ENSMUSG00000030138	BMS1	0.538601	0.121432	9.19E-06	2.70E-05
ENSMUSG00000001288	RARG	-0.89358	0.201469	9.19E-06	2.70E-05
ENSMUSG00000020922	LSM12	0.489703	0.110413	9.20E-06	2.70E-05
ENSMUSG00000038347	TCTE2	0.765476	0.172614	9.22E-06	2.71E-05
ENSMUSG00000003341	ATP8B3	2.395098	0.540162	9.25E-06	2.72E-05
ENSMUSG00000025220	MGEA5	0.391394	0.088271	9.25E-06	2.72E-05
ENSMUSG00000054966	LMNTD1	-2.24003	0.505188	9.25E-06	2.72E-05
ENSMUSG00000010841	CFAP97D1	2.932641	0.661417	9.26E-06	2.72E-05
ENSMUSG00000014232	CLUAP1	0.923684	0.20834	9.27E-06	2.72E-05
ENSMUSG00000032122	SLC37A2	1.052009	0.237358	9.33E-06	2.74E-05
ENSMUSG00000043467	ZBTB37	0.717295	0.161853	9.35E-06	2.74E-05
ENSMUSG00000040867	BEGAIN	1.394526	0.314668	9.35E-06	2.74E-05
ENSMUSG00000027175	TCP11L1	0.594287	0.134144	9.41E-06	2.76E-05
ENSMUSG00000000131	XPO6	0.612734	0.138322	9.43E-06	2.77E-05
ENSMUSG00000010097	NXF1	0.566241	0.127844	9.46E-06	2.78E-05
ENSMUSG00000028902	SF3A3	0.460477	0.103965	9.46E-06	2.78E-05
ENSMUSG00000028675	PNRC2	-0.64864	0.146454	9.47E-06	2.78E-05
ENSMUSG00000040084	BUB1B	1.474736	0.332976	9.47E-06	2.78E-05
ENSMUSG00000068740	CELSR2	-1.69729	0.383244	9.48E-06	2.78E-05
ENSMUSG00000050503	FBXL22	-1.58252	0.357427	9.53E-06	2.79E-05
ENSMUSG00000033454	ZBTB1	-0.45211	0.102129	9.56E-06	2.80E-05
ENSMUSG00000015850	ADAMTSL4	-1.18961	0.268746	9.58E-06	2.81E-05
ENSMUSG00000021257	ANGEL1	-0.99301	0.224389	9.63E-06	2.82E-05
ENSMUSG00000035273	HPSE	1.263975	0.285634	9.64E-06	2.82E-05
ENSMUSG00000026546	CFAP45	1.105337	0.249822	9.67E-06	2.83E-05
ENSMUSG00000081551	GM14654	0.730999	0.165238	9.69E-06	2.84E-05
ENSMUSG00000029165	AGBL5	-0.56184	0.127003	9.70E-06	2.84E-05
ENSMUSG00000028295	SMIM8	0.624812	0.141246	9.71E-06	2.84E-05
ENSMUSG00000026204	PTPRN	0.837529	0.189353	9.73E-06	2.85E-05
ENSMUSG00000063870	CHD4	-0.37607	0.085028	9.74E-06	2.85E-05
ENSMUSG00000038578	SUSD1	0.779414	0.176415	9.96E-06	2.91E-05
ENSMUSG00000052760	A630001G21RI	0.713742	0.16156	9.97E-06	2.92E-05
ENSMUSG00000018449	RPAIN	0.548484	0.124168	1.00E-05	2.92E-05
ENSMUSG00000020528	PRPSAP2	-0.56386	0.127654	1.00E-05	2.93E-05
ENSMUSG000000107092	GM7993	1.534038	0.347304	1.00E-05	2.93E-05
ENSMUSG00000024101	WASHC1	0.390933	0.08851	1.00E-05	2.93E-05
ENSMUSG00000040667	NUP88	0.37423	0.084732	1.00E-05	2.93E-05

ENSMUSG00000028833	NCDN	0.48025	0.108768	1.01E-05	2.95E-05
ENSMUSG00000024317	RNF138	0.610687	0.138357	1.02E-05	2.97E-05
ENSMUSG00000047181	SAMD14	-0.83579	0.189364	1.02E-05	2.97E-05
ENSMUSG00000079138	GM8818	3.386201	0.767315	1.02E-05	2.98E-05
ENSMUSG00000031147	MAGIX	-1.79113	0.40588	1.02E-05	2.98E-05
ENSMUSG00000019590	CYB561	0.872075	0.197642	1.02E-05	2.98E-05
ENSMUSG00000021012	ZC3H14	0.364567	0.08263	1.02E-05	2.99E-05
ENSMUSG00000038260	TRPM4	-0.82771	0.18761	1.02E-05	2.99E-05
ENSMUSG00000040842	SZRD1	0.383452	0.086928	1.03E-05	3.00E-05
ENSMUSG00000026718	STAM	0.636741	0.144364	1.03E-05	3.01E-05
ENSMUSG00000037152	NDUFC1	0.529218	0.119994	1.03E-05	3.01E-05
ENSMUSG00000028396	2310002L09RIH	0.801868	0.18186	1.04E-05	3.03E-05
ENSMUSG00000018858	MRPL58	0.50168	0.113787	1.04E-05	3.03E-05
ENSMUSG00000039130	ZC3HC1	0.480879	0.109076	1.04E-05	3.03E-05
ENSMUSG00000019906	LIN7A	-0.88988	0.201882	1.04E-05	3.04E-05
ENSMUSG00000025995	WDR75	0.968565	0.219773	1.05E-05	3.05E-05
ENSMUSG00000019066	RAB3D	-0.84332	0.191364	1.05E-05	3.06E-05
ENSMUSG00000071291	ZFP58	-0.77537	0.175945	1.05E-05	3.06E-05
ENSMUSG00000000794	KCNN3	-1.30419	0.295955	1.05E-05	3.06E-05
ENSMUSG00000079722	TTLL2	2.39319	0.543085	1.05E-05	3.06E-05
ENSMUSG00000027206	COPS2	0.366109	0.083098	1.05E-05	3.07E-05
ENSMUSG00000067873	HTATSF1	0.364583	0.082759	1.06E-05	3.08E-05
ENSMUSG00000043929	KLHL15	0.739936	0.167966	1.06E-05	3.08E-05
ENSMUSG00000046991	WDR27	2.264864	0.514146	1.06E-05	3.08E-05
ENSMUSG00000040502	Mar-09	-0.60998	0.138489	1.06E-05	3.08E-05
ENSMUSG00000025195	DNMBP	-0.45499	0.103309	1.06E-05	3.09E-05
ENSMUSG00000001334	FNDC5	-1.07555	0.244256	1.07E-05	3.10E-05
ENSMUSG00000049600	ZBTB45	-0.55159	0.125273	1.07E-05	3.10E-05
ENSMUSG00000017300	TNNC2	1.996093	0.453441	1.07E-05	3.12E-05
ENSMUSG00000033411	CTDSPL2	0.464429	0.105517	1.08E-05	3.13E-05
ENSMUSG00000044749	ABCA6	-1.03386	0.234948	1.08E-05	3.14E-05
ENSMUSG00000021276	CINP	0.404599	0.091966	1.09E-05	3.15E-05
ENSMUSG00000021678	F2RL1	1.061661	0.241384	1.09E-05	3.17E-05
ENSMUSG00000002688	PRKD1	-1.05477	0.239988	1.11E-05	3.22E-05
ENSMUSG00000038871	BPGM	-0.60158	0.136914	1.11E-05	3.23E-05
ENSMUSG00000079019	INSL3	0.688202	0.156644	1.12E-05	3.24E-05
ENSMUSG00000081220	GM14542	0.976358	0.222233	1.12E-05	3.24E-05
ENSMUSG00000031654	CBLN1	-2.38947	0.543961	1.12E-05	3.25E-05
ENSMUSG00000046402	RBP1	0.851935	0.193979	1.12E-05	3.26E-05
ENSMUSG00000071203	NAIP5	0.641891	0.146172	1.13E-05	3.27E-05
ENSMUSG00000055632	HMCN2	-1.23216	0.28062	1.13E-05	3.28E-05
ENSMUSG00000030243	RECQL	0.613286	0.139695	1.13E-05	3.29E-05
ENSMUSG00000021018	POLR2H	0.571352	0.130161	1.14E-05	3.30E-05
ENSMUSG00000079355	ACKR4	-2.0026	0.456312	1.14E-05	3.31E-05
ENSMUSG00000037185	KRT80	1.082241	0.246617	1.14E-05	3.31E-05
ENSMUSG00000042228	LYN	0.419292	0.095556	1.14E-05	3.32E-05
ENSMUSG00000089651	GM16353	2.213159	0.504437	1.15E-05	3.33E-05
ENSMUSG00000041261	CAR8	-1.42762	0.325464	1.15E-05	3.34E-05
ENSMUSG00000034247	PLEKHM1	0.397933	0.090723	1.15E-05	3.34E-05
ENSMUSG00000057751	MEGF6	-1.6588	0.378198	1.15E-05	3.34E-05

ENSMUSG00000073295	NUDT11	-0.73359	0.1673	1.16E-05	3.36E-05
ENSMUSG000000105096	GBP10	-2.88699	0.658485	1.16E-05	3.37E-05
ENSMUSG000000029135	FOSL2	0.907998	0.20713	1.17E-05	3.38E-05
ENSMUSG000000033862	CDK10	-0.48345	0.110327	1.18E-05	3.41E-05
ENSMUSG000000024165	JPT2	0.476103	0.108682	1.18E-05	3.43E-05
ENSMUSG000000059288	CDYL	-0.52047	0.118822	1.19E-05	3.43E-05
ENSMUSG000000000579	DYNLT1C	-0.56793	0.129666	1.19E-05	3.43E-05
ENSMUSG000000045027	PRSS22	2.642645	0.603342	1.19E-05	3.43E-05
ENSMUSG000000042286	STAB1	0.781964	0.178626	1.20E-05	3.47E-05
ENSMUSG000000040711	SH3PXD2B	0.969468	0.221485	1.20E-05	3.48E-05
ENSMUSG000000024078	TTC27	0.620294	0.141784	1.21E-05	3.51E-05
ENSMUSG000000031352	HCCS	-0.91401	0.208998	1.22E-05	3.54E-05
ENSMUSG000000111019	GM39404	2.782549	0.636307	1.23E-05	3.54E-05
ENSMUSG000000071862	LRRTM2	2.462958	0.563254	1.23E-05	3.55E-05
ENSMUSG000000021537	CETN3	0.37438	0.085652	1.24E-05	3.57E-05
ENSMUSG000000078153	PSME2B	-1.4081	0.322175	1.24E-05	3.58E-05
ENSMUSG000000028057	RIT1	-0.37527	0.085877	1.24E-05	3.59E-05
ENSMUSG000000017929	B4GALT5	0.810011	0.18538	1.25E-05	3.60E-05
ENSMUSG000000001999	BLVRA	0.443726	0.101627	1.26E-05	3.65E-05
ENSMUSG000000038990	CABLES2	-0.59676	0.136694	1.27E-05	3.66E-05
ENSMUSG000000036585	FGF1	-1.10852	0.253944	1.27E-05	3.67E-05
ENSMUSG000000057050	OLFR397	1.59835	0.366165	1.27E-05	3.67E-05
ENSMUSG000000091462	GM17084	2.849209	0.652833	1.27E-05	3.68E-05
ENSMUSG000000053175	BCL3	1.088614	0.249465	1.28E-05	3.69E-05
ENSMUSG000000031948	KARS	0.372934	0.085462	1.28E-05	3.69E-05
ENSMUSG000000049300	PRMT6	0.626312	0.143549	1.28E-05	3.70E-05
ENSMUSG000000023328	ACHE	-1.39038	0.318707	1.29E-05	3.71E-05
ENSMUSG000000020661	DNMT3A	0.494326	0.113315	1.29E-05	3.71E-05
ENSMUSG000000047676	RPSA-PS10	1.062322	0.243521	1.29E-05	3.71E-05
ENSMUSG000000034394	LIF	1.527393	0.350189	1.29E-05	3.72E-05
ENSMUSG000000068614	ACTC1	-1.07451	0.246363	1.29E-05	3.72E-05
ENSMUSG000000027401	TGM3	-1.48227	0.339873	1.29E-05	3.73E-05
ENSMUSG000000031758	CDYL2	-0.80775	0.18522	1.29E-05	3.73E-05
ENSMUSG000000034265	ZDHHC14	-0.56184	0.128834	1.29E-05	3.73E-05
ENSMUSG000000033159	CNPPD1	0.405108	0.092897	1.30E-05	3.73E-05
ENSMUSG000000070637	SRARP	2.361388	0.541629	1.30E-05	3.75E-05
ENSMUSG000000050912	TMEM123	-0.3659	0.083935	1.30E-05	3.76E-05
ENSMUSG000000025212	SFXN3	0.487254	0.111783	1.31E-05	3.76E-05
ENSMUSG000000071103	1700029J07RIK	-0.70648	0.162107	1.31E-05	3.78E-05
ENSMUSG000000034610	TUT4	0.55821	0.128088	1.31E-05	3.78E-05
ENSMUSG000000080916	GM12463	2.264216	0.519606	1.32E-05	3.78E-05
ENSMUSG000000022257	LAPTM4B	-0.71113	0.163216	1.32E-05	3.79E-05
ENSMUSG000000031697	ORC6	0.549297	0.126077	1.32E-05	3.80E-05
ENSMUSG000000039182	AW209491	-0.64404	0.147848	1.32E-05	3.81E-05
ENSMUSG000000111621	GM7802	-2.27342	0.522201	1.34E-05	3.85E-05
ENSMUSG000000015748	PRPF3	0.496471	0.114064	1.35E-05	3.87E-05
ENSMUSG000000031644	NEK1	-0.52113	0.119743	1.35E-05	3.88E-05
ENSMUSG000000015839	NFE2L2	0.358573	0.082393	1.35E-05	3.88E-05
ENSMUSG000000031577	TTI2	0.41407	0.095147	1.35E-05	3.88E-05
ENSMUSG000000021476	HABP4	0.360034	0.082761	1.36E-05	3.91E-05

ENSMUSG00000078864	GM14322	-1.09607	0.252027	1.37E-05	3.93E-05
ENSMUSG00000028557	RNF11	0.36016	0.082817	1.37E-05	3.93E-05
ENSMUSG00000032350	GCLC	0.545907	0.125554	1.37E-05	3.95E-05
ENSMUSG00000014846	TPPP3	-0.74915	0.172302	1.37E-05	3.95E-05
ENSMUSG00000039084	CHAD	-2.25868	0.519493	1.37E-05	3.95E-05
ENSMUSG00000027670	OCSTAMP	1.2478	0.287002	1.38E-05	3.95E-05
ENSMUSG00000032932	HSPA13	0.472947	0.10879	1.38E-05	3.95E-05
ENSMUSG00000020235	FZR1	-0.39345	0.090517	1.38E-05	3.96E-05
ENSMUSG00000030060	HMCES	0.603548	0.13887	1.39E-05	3.97E-05
ENSMUSG00000066406	AKAP13	-0.50686	0.116647	1.39E-05	3.99E-05
ENSMUSG00000023072	CEP89	-0.61734	0.142087	1.39E-05	4.00E-05
ENSMUSG00000032507	FBXL2	1.208564	0.27823	1.40E-05	4.02E-05
ENSMUSG00000021639	GTF2H2	-0.45901	0.105678	1.40E-05	4.02E-05
ENSMUSG00000033382	TRAPPC8	-0.54251	0.124904	1.40E-05	4.02E-05
ENSMUSG00000003363	PLD3	0.460405	0.106004	1.40E-05	4.02E-05
ENSMUSG00000026918	BRD3	-0.51573	0.118748	1.41E-05	4.03E-05
ENSMUSG00000026739	BMI1	-0.4558	0.104973	1.41E-05	4.04E-05
ENSMUSG00000017999	DDX27	0.499204	0.115007	1.42E-05	4.07E-05
ENSMUSG00000066258	TRIM12A	-0.48545	0.111857	1.43E-05	4.08E-05
ENSMUSG00000045817	ZFP36L2	0.372671	0.085889	1.43E-05	4.10E-05
ENSMUSG00000040412	5330417C22RII	2.042273	0.470683	1.43E-05	4.10E-05
ENSMUSG00000049744	ARHGAP15	1.064589	0.245376	1.43E-05	4.10E-05
ENSMUSG00000037172	E330009J07RIK	-1.03211	0.237909	1.44E-05	4.11E-05
ENSMUSG00000020246	HCFC2	0.422772	0.097475	1.44E-05	4.13E-05
ENSMUSG00000024397	AIF1	1.165661	0.268828	1.45E-05	4.15E-05
ENSMUSG00000032198	DOCK6	-0.573	0.132165	1.45E-05	4.16E-05
ENSMUSG00000061758	AKR1B10	-0.44708	0.103134	1.46E-05	4.17E-05
ENSMUSG00000000134	TFE3	0.521209	0.120249	1.46E-05	4.18E-05
ENSMUSG00000005034	PRKACB	-0.3743	0.086357	1.46E-05	4.18E-05
ENSMUSG00000035764	FBXO45	0.486437	0.112243	1.47E-05	4.19E-05
ENSMUSG00000037035	INHBB	2.740129	0.632335	1.47E-05	4.20E-05
ENSMUSG00000028373	ASTN2	-1.06466	0.245706	1.47E-05	4.20E-05
ENSMUSG00000058325	DOCK1	-0.41451	0.095665	1.47E-05	4.20E-05
ENSMUSG00000075054	YAE1D1	-0.35882	0.082851	1.48E-05	4.24E-05
ENSMUSG00000022008	GPALPP1	-0.38963	0.089972	1.49E-05	4.25E-05
ENSMUSG00000021902	PHF7	0.490696	0.113317	1.49E-05	4.25E-05
ENSMUSG00000031242	2610002M06R	-0.60056	0.138692	1.49E-05	4.25E-05
ENSMUSG00000038268	OVCA2	0.482718	0.111479	1.49E-05	4.25E-05
ENSMUSG00000029500	PGAM5	0.377449	0.087207	1.50E-05	4.29E-05
ENSMUSG00000023460	RAB12	-0.3569	0.082487	1.51E-05	4.32E-05
ENSMUSG00000033938	NDUFB7	0.635209	0.14681	1.51E-05	4.32E-05
ENSMUSG00000060002	CHPT1	-0.45771	0.105792	1.51E-05	4.32E-05
ENSMUSG00000046567	4930430F08RII	-0.61799	0.142842	1.52E-05	4.32E-05
ENSMUSG00000043126	D830039M14R	-0.58729	0.135791	1.53E-05	4.35E-05
ENSMUSG00000068263	EFCC1	-1.98653	0.459324	1.53E-05	4.35E-05
ENSMUSG00000021054	SGPP1	-0.38789	0.089703	1.53E-05	4.36E-05
ENSMUSG00000021032	NGB	2.632094	0.608722	1.53E-05	4.37E-05
ENSMUSG00000006205	HTRA1	-0.69831	0.16157	1.55E-05	4.41E-05
ENSMUSG00000020715	ERN1	-0.52542	0.121578	1.55E-05	4.41E-05
ENSMUSG00000026385	DBI	0.916883	0.212181	1.55E-05	4.42E-05

ENSMUSG00000026728	VIM	0.794925	0.183961	1.55E-05	4.42E-05
ENSMUSG00000031258	XKRX	-1.01578	0.235088	1.55E-05	4.43E-05
ENSMUSG00000023020	COX14	0.499134	0.11553	1.56E-05	4.43E-05
ENSMUSG00000029790	CEP41	0.95785	0.22171	1.56E-05	4.44E-05
ENSMUSG00000005947	ITGAE	1.265309	0.292985	1.57E-05	4.47E-05
ENSMUSG00000042589	CUX2	-0.88773	0.205575	1.57E-05	4.48E-05
ENSMUSG00000020251	GLT8D2	-1.46532	0.339362	1.58E-05	4.48E-05
ENSMUSG00000033016	NFATC1	-0.52834	0.122366	1.58E-05	4.49E-05
ENSMUSG00000079477	RAB7	0.366808	0.084957	1.58E-05	4.49E-05
ENSMUSG00000060427	ZFP868	0.570988	0.132254	1.58E-05	4.49E-05
ENSMUSG00000024896	MINPP1	0.682579	0.158221	1.60E-05	4.56E-05
ENSMUSG00000000811	TXNRD3	-0.38914	0.090205	1.60E-05	4.56E-05
ENSMUSG00000033020	POLR2F	0.592877	0.137508	1.62E-05	4.61E-05
ENSMUSG00000042622	MAFF	1.439987	0.334178	1.64E-05	4.66E-05
ENSMUSG00000021013	TTC8	-1.31168	0.304435	1.64E-05	4.67E-05
ENSMUSG00000047866	LONP2	0.608607	0.141254	1.64E-05	4.67E-05
ENSMUSG00000022579	GPIHBP1	0.550832	0.127852	1.64E-05	4.67E-05
ENSMUSG00000064289	TANK	0.42938	0.099672	1.65E-05	4.68E-05
ENSMUSG00000026439	RBBP5	-0.44135	0.102476	1.66E-05	4.70E-05
ENSMUSG00000039477	TNRC18	-0.66226	0.153778	1.66E-05	4.71E-05
ENSMUSG00000046610	OACYL	2.217175	0.514979	1.67E-05	4.73E-05
ENSMUSG00000020850	PRPF8	-0.35509	0.082479	1.67E-05	4.73E-05
ENSMUSG00000022545	ERCC4	-0.59632	0.138516	1.67E-05	4.74E-05
ENSMUSG00000017837	NKIRAS2	0.416647	0.096784	1.67E-05	4.74E-05
ENSMUSG00000053453	THOC7	0.402922	0.093598	1.67E-05	4.74E-05
ENSMUSG00000050945	ZFP438	-0.51744	0.120219	1.68E-05	4.76E-05
ENSMUSG00000028826	MACO1	0.387447	0.090031	1.68E-05	4.77E-05
ENSMUSG00000002103	ACP2	-0.53949	0.125372	1.68E-05	4.78E-05
ENSMUSG00000101249	GM29216	0.638587	0.148403	1.68E-05	4.78E-05
ENSMUSG00000021978	EXTL3	-0.45518	0.1058	1.69E-05	4.79E-05
ENSMUSG00000078889	GM14288	-1.06977	0.248756	1.70E-05	4.83E-05
ENSMUSG00000041975	METTL8	-0.65603	0.152564	1.71E-05	4.84E-05
ENSMUSG00000051502	UFSP1	0.482838	0.112326	1.72E-05	4.87E-05
ENSMUSG00000050808	MUC15	3.621124	0.842584	1.73E-05	4.89E-05
ENSMUSG00000027995	TLR2	1.243359	0.289335	1.73E-05	4.90E-05
ENSMUSG00000038845	PHB	0.361878	0.084221	1.73E-05	4.91E-05
ENSMUSG00000089936	GM16199	0.686858	0.159865	1.74E-05	4.91E-05
ENSMUSG00000062515	FABP4	0.494211	0.11503	1.74E-05	4.91E-05
ENSMUSG00000027340	SLC23A2	0.63596	0.148043	1.74E-05	4.93E-05
ENSMUSG00000024981	ACSL5	0.404446	0.094156	1.74E-05	4.93E-05
ENSMUSG00000020877	SCRN2	-0.79089	0.184141	1.75E-05	4.94E-05
ENSMUSG00000073968	TRIM68	-0.56891	0.132467	1.75E-05	4.95E-05
ENSMUSG00000044986	TST	-0.61419	0.14304	1.76E-05	4.97E-05
ENSMUSG00000039158	AKNA	0.533843	0.12437	1.77E-05	5.00E-05
ENSMUSG00000009292	TRPM2	1.680432	0.391522	1.77E-05	5.01E-05
ENSMUSG00000025481	URAH	-1.45546	0.339547	1.82E-05	5.13E-05
ENSMUSG00000028037	IFI44	-1.04232	0.243211	1.82E-05	5.15E-05
ENSMUSG00000030335	MRPL51	0.578786	0.135085	1.83E-05	5.17E-05
ENSMUSG00000005370	MSH6	0.410063	0.09573	1.84E-05	5.20E-05
ENSMUSG00000032725	FOLR2	-1.01333	0.236601	1.84E-05	5.21E-05

ENSMUSG00000057411	FAM173A	0.468828	0.109486	1.85E-05	5.23E-05
ENSMUSG00000086564	CD101	1.468816	0.34312	1.86E-05	5.26E-05
ENSMUSG00000022787	WDR53	0.499489	0.116694	1.87E-05	5.27E-05
ENSMUSG00000030986	DHX32	0.389534	0.09102	1.87E-05	5.28E-05
ENSMUSG00000015355	CD48	1.109475	0.259271	1.88E-05	5.29E-05
ENSMUSG00000001018	SNAPIN	-0.35616	0.083243	1.88E-05	5.31E-05
ENSMUSG00000045312	LHFPL2	0.809215	0.189135	1.88E-05	5.31E-05
ENSMUSG00000029321	SLC10A6	1.545347	0.361195	1.88E-05	5.31E-05
ENSMUSG00000052160	PLD4	0.860143	0.201149	1.90E-05	5.36E-05
ENSMUSG00000040340	TEX45	3.554283	0.83135	1.91E-05	5.38E-05
ENSMUSG00000069844	SCO1	-0.46359	0.108439	1.91E-05	5.39E-05
ENSMUSG00000052151	PLPP2	0.957052	0.223872	1.91E-05	5.39E-05
ENSMUSG00000024181	MRPL28	0.648771	0.151779	1.92E-05	5.40E-05
ENSMUSG00000051627	HIST1H1E	1.525518	0.356901	1.92E-05	5.40E-05
ENSMUSG00000052212	CD177	3.502552	0.819474	1.92E-05	5.41E-05
ENSMUSG00000002265	PEG3	-0.54309	0.127074	1.92E-05	5.41E-05
ENSMUSG00000031839	HSBP1	0.352744	0.082555	1.93E-05	5.44E-05
ENSMUSG00000066263	OLFR639	-0.61419	0.143746	1.93E-05	5.44E-05
ENSMUSG00000024298	ZFP871	-0.47079	0.110204	1.94E-05	5.46E-05
ENSMUSG000000110939	AC121298.1	-2.78124	0.65119	1.95E-05	5.48E-05
ENSMUSG00000020287	MPG	0.501212	0.117358	1.95E-05	5.48E-05
ENSMUSG00000020827	MINK1	-0.42938	0.100549	1.95E-05	5.49E-05
ENSMUSG00000048347	PCDHB18	-1.05585	0.247365	1.97E-05	5.54E-05
ENSMUSG00000022401	XPNPEP3	-0.63811	0.149534	1.98E-05	5.57E-05
ENSMUSG00000047264	ZFP358	-0.48627	0.114029	2.00E-05	5.64E-05
ENSMUSG00000021520	UQCRB	0.502209	0.117773	2.01E-05	5.64E-05
ENSMUSG00000025155	DUS1L	0.370211	0.086888	2.04E-05	5.73E-05
ENSMUSG00000020777	ACOX1	-0.36503	0.085682	2.04E-05	5.74E-05
ENSMUSG00000066721	ZFP575	1.457742	0.342212	2.05E-05	5.75E-05
ENSMUSG00000039899	FGL2	1.271559	0.298592	2.06E-05	5.78E-05
ENSMUSG00000071748	GM14698	-0.42605	0.10008	2.07E-05	5.82E-05
ENSMUSG00000073421	H2-AB1	0.991316	0.232869	2.07E-05	5.82E-05
ENSMUSG00000081752	SMS-PS	-0.58236	0.136818	2.08E-05	5.83E-05
ENSMUSG00000047804	AKAP10	-0.46116	0.108348	2.08E-05	5.84E-05
ENSMUSG00000072662	MANSC4	-1.76534	0.414776	2.08E-05	5.84E-05
ENSMUSG00000044072	EML6	-1.0385	0.244042	2.09E-05	5.86E-05
ENSMUSG00000059005	HNRNPA3	0.365896	0.086009	2.10E-05	5.89E-05
ENSMUSG00000021610	CLPTM1L	0.351957	0.082748	2.11E-05	5.91E-05
ENSMUSG00000043190	RFESD	0.440827	0.103653	2.11E-05	5.92E-05
ENSMUSG00000025872	THOC3	0.476888	0.112146	2.12E-05	5.93E-05
ENSMUSG00000043556	FBXL7	-1.21821	0.286577	2.13E-05	5.97E-05
ENSMUSG00000035699	SLC51A	-1.30793	0.307721	2.13E-05	5.99E-05
ENSMUSG000000101986	GM6198	-1.84717	0.434664	2.14E-05	6.00E-05
ENSMUSG00000045868	GVIN1	-0.81695	0.192288	2.15E-05	6.03E-05
ENSMUSG00000066551	HMGB1	0.457983	0.107883	2.18E-05	6.12E-05
ENSMUSG00000011034	SLC5A1	-3.50932	0.826825	2.19E-05	6.14E-05
ENSMUSG00000098022	ZFP82	-0.84098	0.198161	2.20E-05	6.16E-05
ENSMUSG00000036391	SEC24A	0.39626	0.093374	2.20E-05	6.16E-05
ENSMUSG00000041354	RGL2	-0.41257	0.097232	2.20E-05	6.17E-05
ENSMUSG00000028841	CNKSRI	1.049243	0.247313	2.21E-05	6.19E-05

ENSMUSG00000002102	PSMC3	0.350749	0.082699	2.22E-05	6.22E-05
ENSMUSG000000031787	KATNB1	0.619346	0.14604	2.23E-05	6.23E-05
ENSMUSG000000037815	CTNNA1	-0.38026	0.089704	2.24E-05	6.28E-05
ENSMUSG000000034845	PLVAP	1.002283	0.236445	2.25E-05	6.29E-05
ENSMUSG000000074981	DCDC5	3.941022	0.929845	2.25E-05	6.30E-05
ENSMUSG000000042354	GNL3	0.672096	0.158622	2.26E-05	6.34E-05
ENSMUSG000000054226	TPRKB	0.58475	0.138016	2.27E-05	6.34E-05
ENSMUSG000000036452	ARHGAP26	-0.44756	0.105638	2.27E-05	6.34E-05
ENSMUSG000000046761	FAM83H	0.705916	0.166628	2.27E-05	6.35E-05
ENSMUSG000000083844	UBE2D-PS	0.414705	0.09789	2.27E-05	6.35E-05
ENSMUSG000000073600	PROB1	-1.06402	0.251168	2.27E-05	6.35E-05
ENSMUSG000000095514	D13ERTD608E	2.188682	0.516644	2.27E-05	6.35E-05
ENSMUSG000000027274	MKKS	0.395731	0.093438	2.28E-05	6.38E-05
ENSMUSG000000015790	SURF1	0.522137	0.123286	2.28E-05	6.38E-05
ENSMUSG000000040731	EIF4H	0.352153	0.083159	2.29E-05	6.39E-05
ENSMUSG000000048779	P2RY6	1.124753	0.265602	2.29E-05	6.39E-05
ENSMUSG000000059278	NAA38	0.41513	0.09803	2.29E-05	6.39E-05
ENSMUSG000000032942	UCP3	-0.99318	0.234557	2.29E-05	6.40E-05
ENSMUSG000000021830	TXNDC16	-0.76733	0.181425	2.34E-05	6.54E-05
ENSMUSG000000055333	FAT2	-1.79309	0.423977	2.35E-05	6.55E-05
ENSMUSG000000031728	ZFP821	0.472791	0.111827	2.36E-05	6.58E-05
ENSMUSG000000004187	KIFC2	-0.45889	0.108618	2.39E-05	6.67E-05
ENSMUSG000000050640	TMEM150C	-0.90077	0.213272	2.40E-05	6.71E-05
ENSMUSG000000028194	DDAH1	-0.55106	0.130515	2.42E-05	6.75E-05
ENSMUSG000000091421	GM4202	-4.41799	1.04647	2.42E-05	6.76E-05
ENSMUSG000000007415	GATAD1	0.351732	0.083341	2.44E-05	6.80E-05
ENSMUSG000000036580	SPG20	0.518514	0.122858	2.44E-05	6.80E-05
ENSMUSG000000099719	GM28802	2.363232	0.56005	2.45E-05	6.82E-05
ENSMUSG000000030149	KLRK1	1.564734	0.370925	2.46E-05	6.85E-05
ENSMUSG000000022723	CRYBG3	-0.43699	0.103602	2.47E-05	6.87E-05
ENSMUSG000000029204	RHOH	1.199719	0.284432	2.47E-05	6.87E-05
ENSMUSG000000039841	ZFP800	-0.72941	0.172928	2.46E-05	6.87E-05
ENSMUSG000000034422	PARP14	-0.80081	0.18991	2.48E-05	6.90E-05
ENSMUSG000000075073	OLFR1256	2.182801	0.517666	2.48E-05	6.90E-05
ENSMUSG000000036561	PPP6R2	-0.35175	0.083427	2.48E-05	6.91E-05
ENSMUSG000000027611	PROCR	1.042452	0.247273	2.49E-05	6.93E-05
ENSMUSG000000066684	PILRB1	1.456086	0.345504	2.50E-05	6.97E-05
ENSMUSG000000022820	NDUFB4	0.474274	0.112564	2.52E-05	7.00E-05
ENSMUSG000000085328	GM17131	-1.26963	0.301361	2.52E-05	7.01E-05
ENSMUSG000000026870	CUTAL	-1.62439	0.385723	2.54E-05	7.06E-05
ENSMUSG000000028199	CRYZ	-0.69438	0.164965	2.56E-05	7.13E-05
ENSMUSG000000026712	MRC1	0.707241	0.168082	2.58E-05	7.17E-05
ENSMUSG000000025077	DCLRE1A	-0.69724	0.165713	2.58E-05	7.18E-05
ENSMUSG000000009418	NAV1	-0.56411	0.134097	2.59E-05	7.20E-05
ENSMUSG000000009907	VPS4B	0.434531	0.103298	2.59E-05	7.21E-05
ENSMUSG000000037921	DDX60	-1.04167	0.247633	2.59E-05	7.21E-05
ENSMUSG000000007777	0610009B22RII	-0.40581	0.096481	2.60E-05	7.22E-05
ENSMUSG000000072919	NOXRED1	-1.23191	0.292958	2.61E-05	7.25E-05
ENSMUSG000000076498	TRBC2	1.976957	0.470198	2.62E-05	7.27E-05
ENSMUSG000000049362	OLFR173	1.460856	0.347463	2.62E-05	7.27E-05

ENSMUSG00000039886	TMEM120A	0.952008	0.226518	2.64E-05	7.32E-05
ENSMUSG00000006335	TFPT	0.465008	0.11065	2.64E-05	7.33E-05
ENSMUSG000000108347	GM19187	2.212667	0.526689	2.66E-05	7.37E-05
ENSMUSG00000078671	CHD2	0.772358	0.18385	2.66E-05	7.37E-05
ENSMUSG00000049908	GJA8	-1.03284	0.245871	2.66E-05	7.38E-05
ENSMUSG00000035439	HAUS8	0.441644	0.105168	2.68E-05	7.42E-05
ENSMUSG00000021238	ALDH6A1	-0.43652	0.103956	2.68E-05	7.43E-05
ENSMUSG00000002129	SF3A1	-0.42812	0.102017	2.71E-05	7.52E-05
ENSMUSG00000078915	HSP25-PS1	2.842257	0.677551	2.73E-05	7.57E-05
ENSMUSG00000091604	GM17349	-1.32978	0.31702	2.73E-05	7.58E-05
ENSMUSG00000039478	MICU3	0.454551	0.108371	2.74E-05	7.58E-05
ENSMUSG00000026979	PSD4	1.447807	0.345197	2.74E-05	7.59E-05
ENSMUSG00000005447	PAFAH1B3	0.788693	0.188113	2.76E-05	7.64E-05
ENSMUSG00000017386	TRAF4	-0.72893	0.173859	2.76E-05	7.64E-05
ENSMUSG00000029209	GNPDA2	-0.46372	0.110604	2.76E-05	7.64E-05
ENSMUSG00000036613	EIPR1	0.458699	0.109408	2.76E-05	7.64E-05
ENSMUSG00000041399	1700013G24RI	2.422018	0.577815	2.77E-05	7.67E-05
ENSMUSG00000028896	RCC1	0.576877	0.137645	2.78E-05	7.69E-05
ENSMUSG00000050022	AMZ1	0.942107	0.224789	2.78E-05	7.69E-05
ENSMUSG00000024678	MS4A4D	-0.57181	0.136504	2.80E-05	7.76E-05
ENSMUSG00000016308	UBE2A	0.364758	0.087092	2.81E-05	7.78E-05
ENSMUSG00000083757	RPS15A-PS4	2.055247	0.49075	2.81E-05	7.79E-05
ENSMUSG00000048216	GPR85	1.476916	0.352698	2.82E-05	7.80E-05
ENSMUSG00000084283	GM14914	-2.01414	0.481117	2.83E-05	7.84E-05
ENSMUSG00000030614	TMEM126B	-0.35331	0.084407	2.84E-05	7.86E-05
ENSMUSG00000037646	VPS13B	-0.38504	0.092008	2.85E-05	7.89E-05
ENSMUSG00000051228	NYX	0.86929	0.207743	2.86E-05	7.90E-05
ENSMUSG00000026452	SYT2	-1.87467	0.448106	2.87E-05	7.93E-05
ENSMUSG00000022150	DAB2	0.752032	0.179765	2.87E-05	7.93E-05
ENSMUSG00000044788	FADS6	-0.80874	0.19332	2.87E-05	7.93E-05
ENSMUSG00000052656	RNF103	0.353471	0.084528	2.89E-05	7.99E-05
ENSMUSG00000013662	ATAD1	-0.34578	0.082725	2.92E-05	8.05E-05
ENSMUSG00000029263	PIGG	-0.41202	0.098594	2.93E-05	8.09E-05
ENSMUSG00000079450	CLDN34C1	-0.74198	0.177572	2.93E-05	8.10E-05
ENSMUSG00000058006	MDN1	0.916446	0.219348	2.94E-05	8.12E-05
ENSMUSG00000040860	CROCC	-0.60843	0.145627	2.94E-05	8.12E-05
ENSMUSG00000026384	PTPN4	0.608875	0.145769	2.95E-05	8.15E-05
ENSMUSG00000052713	ZFP608	-0.45555	0.109085	2.97E-05	8.18E-05
ENSMUSG00000081340	GM12275	2.166055	0.518766	2.97E-05	8.21E-05
ENSMUSG00000052914	CYP2J6	-0.49094	0.117603	2.99E-05	8.24E-05
ENSMUSG00000034403	PJA1	-0.46716	0.111913	2.99E-05	8.24E-05
ENSMUSG00000032849	ABCC4	-0.65939	0.157973	2.99E-05	8.25E-05
ENSMUSG00000032392	PARP16	0.598076	0.143334	3.01E-05	8.30E-05
ENSMUSG00000005982	NAA60	-0.38948	0.09339	3.04E-05	8.38E-05
ENSMUSG00000034667	XPOT	-0.34999	0.083944	3.05E-05	8.42E-05
ENSMUSG00000058761	RNF169	0.52959	0.127052	3.07E-05	8.46E-05
ENSMUSG00000028553	ANGPTL3	-1.00044	0.240055	3.08E-05	8.48E-05
ENSMUSG00000031904	SLC7A6	0.543594	0.130453	3.09E-05	8.50E-05
ENSMUSG00000020876	SNX11	0.503207	0.12078	3.10E-05	8.52E-05
ENSMUSG00000078786	BC024978	0.494139	0.11864	3.11E-05	8.57E-05

ENSMUSG00000017493	IGFBP4	-0.5968	0.143302	3.12E-05	8.58E-05
ENSMUSG00000036442	THAP11	-0.56217	0.134991	3.12E-05	8.59E-05
ENSMUSG00000030590	FAM98C	0.589566	0.141589	3.13E-05	8.61E-05
ENSMUSG00000042599	KDM7A	-0.37671	0.090477	3.13E-05	8.62E-05
ENSMUSG00000027660	SKIL	0.407345	0.09785	3.14E-05	8.64E-05
ENSMUSG00000070738	DGKD	0.589635	0.141649	3.15E-05	8.65E-05
ENSMUSG00000033499	LARP4B	-0.34704	0.083372	3.15E-05	8.65E-05
ENSMUSG00000057666	GAPDH	0.404347	0.097186	3.18E-05	8.73E-05
ENSMUSG00000001424	SND1	0.464592	0.111672	3.18E-05	8.74E-05
ENSMUSG00000027832	PTX3	4.082315	0.981247	3.18E-05	8.74E-05
ENSMUSG00000023004	TUBA1B	1.119471	0.26914	3.19E-05	8.77E-05
ENSMUSG00000025507	PIDD1	0.88525	0.212844	3.19E-05	8.78E-05
ENSMUSG00000093485	GM20708	2.609816	0.627665	3.21E-05	8.82E-05
ENSMUSG00000031639	TLR3	-0.89419	0.215074	3.22E-05	8.83E-05
ENSMUSG00000058794	NFE2	1.683512	0.404929	3.22E-05	8.83E-05
ENSMUSG000000100141	GM6445	-3.024	0.727342	3.22E-05	8.83E-05
ENSMUSG00000020607	FAM84A	-1.61191	0.387722	3.22E-05	8.84E-05
ENSMUSG00000006678	POLA1	-0.91791	0.220807	3.22E-05	8.85E-05
ENSMUSG00000074232	GM10647	-1.1389	0.274021	3.24E-05	8.88E-05
ENSMUSG00000015476	PRRT1	-0.82439	0.198407	3.25E-05	8.93E-05
ENSMUSG00000039068	ZZZ3	0.384281	0.092515	3.27E-05	8.98E-05
ENSMUSG00000092540	GM8738	2.670975	0.643041	3.27E-05	8.98E-05
ENSMUSG00000040600	EPS8L3	-1.65288	0.397989	3.28E-05	9.00E-05
ENSMUSG00000059316	SLC27A4	-0.39488	0.095135	3.32E-05	9.09E-05
ENSMUSG00000002221	PAXIP1	-0.59178	0.142595	3.32E-05	9.11E-05
ENSMUSG00000015461	ATF6B	0.587849	0.141661	3.33E-05	9.13E-05
ENSMUSG00000012519	MLKL	0.676024	0.162964	3.35E-05	9.18E-05
ENSMUSG00000025204	NDUFB8	0.452281	0.109031	3.35E-05	9.18E-05
ENSMUSG00000046058	EID2	-0.47817	0.115306	3.37E-05	9.23E-05
ENSMUSG00000049800	SERTAD2	0.39353	0.094906	3.38E-05	9.25E-05
ENSMUSG000000105832	GM43841	1.580432	0.381178	3.38E-05	9.26E-05
ENSMUSG00000038156	SPON1	-0.42727	0.103094	3.41E-05	9.33E-05
ENSMUSG00000029650	SLC46A3	-0.72641	0.175277	3.41E-05	9.33E-05
ENSMUSG00000024766	LIPO3	-0.85056	0.205248	3.41E-05	9.34E-05
ENSMUSG00000037358	4930578C19RII	-1.18784	0.286649	3.41E-05	9.35E-05
ENSMUSG000000103585	PCDHGB4	0.566296	0.136657	3.41E-05	9.35E-05
ENSMUSG00000005951	SHPK	0.711694	0.171766	3.42E-05	9.37E-05
ENSMUSG000000001763	TSPAN33	-0.85426	0.206187	3.43E-05	9.38E-05
ENSMUSG00000023151	LRRC69	1.210536	0.292197	3.43E-05	9.38E-05
ENSMUSG00000022236	ROPN1L	1.409391	0.34022	3.43E-05	9.39E-05
ENSMUSG00000010122	SLC47A1	-0.42471	0.102524	3.43E-05	9.39E-05
ENSMUSG00000019837	GTF3C6	0.413037	0.099712	3.44E-05	9.40E-05
ENSMUSG00000040945	RCC2	0.543838	0.131319	3.45E-05	9.44E-05
ENSMUSG00000043051	DISC1	-0.81431	0.196636	3.45E-05	9.44E-05
ENSMUSG000000108231	GM4045	0.701982	0.169515	3.46E-05	9.45E-05
ENSMUSG00000036362	P2RY13	1.125708	0.271867	3.46E-05	9.46E-05
ENSMUSG00000044162	TNIP3	-1.01342	0.244773	3.47E-05	9.48E-05
ENSMUSG00000033987	DNAH17	0.957549	0.231294	3.47E-05	9.49E-05
ENSMUSG00000028923	NECAP2	0.45614	0.110209	3.49E-05	9.53E-05
ENSMUSG00000031594	FGL1	0.94133	0.227504	3.51E-05	9.58E-05

ENSMUSG00000039640	MRPL12	0.543458	0.13135	3.51E-05	9.59E-05
ENSMUSG00000027219	SLC28A2	-1.1268	0.272444	3.54E-05	9.65E-05
ENSMUSG00000024319	VPS52	0.357955	0.086559	3.54E-05	9.67E-05
ENSMUSG00000040532	ABHD11	0.390517	0.094436	3.55E-05	9.67E-05
ENSMUSG00000019761	KRT10	0.788101	0.190605	3.55E-05	9.70E-05
ENSMUSG00000034872	GIPC3	-1.89512	0.458587	3.59E-05	9.79E-05
ENSMUSG00000036273	LRRK2	-0.59708	0.144518	3.60E-05	9.83E-05
ENSMUSG00000054931	ZKSCAN4	-1.31475	0.318299	3.62E-05	9.87E-05
ENSMUSG00000002020	LTBP2	1.680533	0.40689	3.62E-05	9.88E-05
ENSMUSG00000033967	RNF225	1.055871	0.255653	3.63E-05	9.89E-05
ENSMUSG00000086743	HNRNPA1L2-P5	2.307241	0.559255	3.70E-05	0.000101
ENSMUSG00000027615	HPS3	0.400465	0.097087	3.71E-05	0.000101
ENSMUSG00000056267	CEP70	-0.68214	0.165413	3.73E-05	0.000102
ENSMUSG00000039210	GPATCH2	0.422161	0.10239	3.74E-05	0.000102
ENSMUSG00000049404	RARRES1	-1.40864	0.341652	3.74E-05	0.000102
ENSMUSG00000029920	SMARCAD1	0.535079	0.129801	3.75E-05	0.000102
ENSMUSG00000020228	HELB	-0.4593	0.111439	3.76E-05	0.000102
ENSMUSG00000024334	H2-OA	2.513441	0.609829	3.76E-05	0.000102
ENSMUSG00000078427	SARNP	0.348524	0.084582	3.78E-05	0.000103
ENSMUSG00000078439	SMIM24	-0.76846	0.186523	3.79E-05	0.000103
ENSMUSG00000079547	H2-DMB1	1.415767	0.343646	3.79E-05	0.000103
ENSMUSG00000059562	CCDC154	2.092707	0.508179	3.82E-05	0.000104
ENSMUSG00000021725	PARP8	-0.4104	0.099668	3.83E-05	0.000104
ENSMUSG00000035245	EOGT	-0.73229	0.17784	3.83E-05	0.000104
ENSMUSG00000032078	ZPR1	0.718122	0.174414	3.83E-05	0.000104
ENSMUSG00000040205	CUZD1	0.859122	0.208751	3.86E-05	0.000105
ENSMUSG00000027942	4933434E20RII	0.34932	0.084879	3.86E-05	0.000105
ENSMUSG00000089817	GM7162	-0.94971	0.230793	3.87E-05	0.000105
ENSMUSG00000042472	ZFP410	0.43061	0.104645	3.87E-05	0.000105
ENSMUSG00000034612	CHST11	0.950319	0.23107	3.91E-05	0.000106
ENSMUSG00000035112	WNK4	-1.11789	0.27184	3.92E-05	0.000106
ENSMUSG00000058385	HIST1H2BG	3.195929	0.777599	3.96E-05	0.000107
ENSMUSG00000024309	PFDN6	0.528546	0.128611	3.96E-05	0.000108
ENSMUSG00000004936	MAP2K1	0.449169	0.109301	3.97E-05	0.000108
ENSMUSG00000074420	GM10693	2.290295	0.557411	3.98E-05	0.000108
ENSMUSG00000025558	DOCK9	-0.35856	0.087271	3.98E-05	0.000108
ENSMUSG00000032534	CEP63	0.617351	0.150275	3.99E-05	0.000108
ENSMUSG00000036151	TM6SF2	-1.35195	0.329089	3.99E-05	0.000108
ENSMUSG00000041130	ZFP598	0.347233	0.084521	3.99E-05	0.000108
ENSMUSG00000049321	ZFP2	0.656177	0.159723	3.99E-05	0.000108
ENSMUSG00000063281	ZFP35	0.51254	0.124773	3.99E-05	0.000108
ENSMUSG00000057135	SCIMP	1.746022	0.425121	4.01E-05	0.000109
ENSMUSG00000090698	APOLD1	1.613979	0.392984	4.01E-05	0.000109
ENSMUSG00000040985	SUN3	-1.33399	0.324846	4.02E-05	0.000109
ENSMUSG00000036931	NFKBID	1.687283	0.410907	4.02E-05	0.000109
ENSMUSG00000000538	TOM1L2	-0.3659	0.089112	4.02E-05	0.000109
ENSMUSG00000042997	NHLRC3	0.40552	0.098762	4.02E-05	0.000109
ENSMUSG00000018372	CEP95	-0.6341	0.154449	4.03E-05	0.000109
ENSMUSG00000030889	VWA3A	-1.43788	0.350231	4.03E-05	0.000109
ENSMUSG00000028673	FUCA1	0.472333	0.115053	4.04E-05	0.000109

ENSMUSG00000015176	NOLC1	0.62681	0.152687	4.04E-05	0.000109
ENSMUSG00000030505	PRMT3	0.504487	0.122901	4.05E-05	0.00011
ENSMUSG00000071379	HPCAL1	0.530296	0.129255	4.08E-05	0.000111
ENSMUSG000000109143	GM10046	3.208905	0.782724	4.14E-05	0.000112
ENSMUSG00000026117	ZAP70	1.678385	0.409415	4.14E-05	0.000112
ENSMUSG00000009097	TBX1	-1.65045	0.402606	4.14E-05	0.000112
ENSMUSG00000072969	ARMCX5	-0.46503	0.113449	4.15E-05	0.000112
ENSMUSG00000004945	TMEM242	0.400331	0.097666	4.15E-05	0.000112
ENSMUSG00000025407	GLI1	-0.95198	0.232272	4.16E-05	0.000112
ENSMUSG00000004626	STXBP2	1.136077	0.277362	4.20E-05	0.000114
ENSMUSG00000035954	DOCK4	-0.39744	0.097092	4.25E-05	0.000115
ENSMUSG00000030120	MLF2	0.336683	0.08225	4.25E-05	0.000115
ENSMUSG00000036438	CALM2	0.337374	0.082421	4.25E-05	0.000115
ENSMUSG00000091956	C2CD4B	-1.65052	0.403225	4.25E-05	0.000115
ENSMUSG00000023089	NDUFA5	0.660377	0.161383	4.28E-05	0.000116
ENSMUSG00000031622	SIN3B	0.344165	0.084111	4.28E-05	0.000116
ENSMUSG00000055799	TCF7L1	-0.6331	0.154803	4.32E-05	0.000117
ENSMUSG00000009281	RARRES2	-0.48274	0.11806	4.33E-05	0.000117
ENSMUSG00000071893	VMN1R4	1.365621	0.333975	4.33E-05	0.000117
ENSMUSG00000029836	CBX3	-0.46062	0.112655	4.34E-05	0.000117
ENSMUSG00000034990	OTOA	0.855823	0.209312	4.34E-05	0.000117
ENSMUSG00000021611	TERT	2.897502	0.708833	4.36E-05	0.000118
ENSMUSG00000000827	TPD52L2	0.348882	0.085372	4.38E-05	0.000118
ENSMUSG00000073096	LRRC61	-0.66555	0.162879	4.39E-05	0.000118
ENSMUSG00000039275	FOXK2	-0.57438	0.140585	4.40E-05	0.000119
ENSMUSG00000068874	SELENBP1	-0.99702	0.244082	4.41E-05	0.000119
ENSMUSG00000002732	FKBP7	-0.47965	0.117434	4.42E-05	0.000119
ENSMUSG00000083061	GM12191	1.179683	0.288956	4.45E-05	0.00012
ENSMUSG00000081094	RPL19-PS11	3.187108	0.780706	4.46E-05	0.00012
ENSMUSG00000031482	SLC25A15	-0.38201	0.093583	4.46E-05	0.00012
ENSMUSG00000002580	MIEN1	0.473786	0.116071	4.47E-05	0.00012
ENSMUSG00000050312	NSUN3	0.733849	0.179793	4.47E-05	0.000121
ENSMUSG00000008845	CD163	-0.72176	0.17684	4.48E-05	0.000121
ENSMUSG00000058013	Sep-11	0.448081	0.109813	4.50E-05	0.000121
ENSMUSG00000048728	ZFP454	-1.31828	0.323103	4.50E-05	0.000121
ENSMUSG00000034928	RNF44	-0.41446	0.101587	4.51E-05	0.000121
ENSMUSG00000019578	UBXN6	0.38996	0.095586	4.51E-05	0.000121
ENSMUSG00000049717	LIG4	-0.88723	0.217509	4.52E-05	0.000122
ENSMUSG00000031555	ADAM9	0.598207	0.146674	4.53E-05	0.000122
ENSMUSG00000037326	CAPN15	-0.41014	0.100565	4.54E-05	0.000122
ENSMUSG00000038179	SLAMF7	1.49418	0.3664	4.54E-05	0.000122
ENSMUSG00000040033	STAT2	-0.63743	0.156334	4.55E-05	0.000123
ENSMUSG00000054893	ZFP667	-0.83503	0.204807	4.56E-05	0.000123
ENSMUSG00000038352	ARL5C	0.91784	0.225156	4.57E-05	0.000123
ENSMUSG00000095407	TMEM200C	-2.18282	0.535564	4.59E-05	0.000123
ENSMUSG00000079020	SLC45A4	-0.40864	0.100276	4.60E-05	0.000124
ENSMUSG00000068959	ZFP619	-0.59518	0.146066	4.61E-05	0.000124
ENSMUSG00000074918	INAFM2	-0.45051	0.110614	4.65E-05	0.000125
ENSMUSG00000033629	HACD3	-0.37329	0.091661	4.65E-05	0.000125
ENSMUSG00000053774	UBXN7	0.501459	0.123146	4.66E-05	0.000125

ENSMUSG00000039956	MRAP	-0.52296	0.128436	4.67E-05	0.000125
ENSMUSG00000029028	LRRC47	0.407835	0.100166	4.67E-05	0.000125
ENSMUSG00000022450	NDUFA6	0.464236	0.114073	4.71E-05	0.000126
ENSMUSG00000028150	RORC	-0.63281	0.155496	4.71E-05	0.000126
ENSMUSG00000024902	MRPL11	0.482602	0.118611	4.73E-05	0.000127
ENSMUSG00000040918	SLC19A2	0.712736	0.175194	4.74E-05	0.000127
ENSMUSG00000021134	SRSF5	0.609566	0.149845	4.74E-05	0.000127
ENSMUSG00000029309	SPARCL1	-0.97923	0.240733	4.75E-05	0.000127
ENSMUSG00000042419	NFKBIL1	0.481215	0.118303	4.75E-05	0.000127
ENSMUSG00000029406	PITPNM2	0.489531	0.120369	4.76E-05	0.000128
ENSMUSG00000061762	TAC1	-2.43856	0.599664	4.77E-05	0.000128
ENSMUSG00000037514	PANK2	0.399909	0.098357	4.78E-05	0.000128
ENSMUSG000000102827	GM8242	1.562695	0.384402	4.80E-05	0.000129
ENSMUSG00000051586	MICAL3	0.348275	0.085674	4.80E-05	0.000129
ENSMUSG00000022951	RCAN1	1.434565	0.352902	4.80E-05	0.000129
ENSMUSG00000044502	BOD1	0.386101	0.094984	4.81E-05	0.000129
ENSMUSG00000031778	CX3CL1	-0.93496	0.230122	4.85E-05	0.00013
ENSMUSG00000028476	RECK	-0.60956	0.150037	4.85E-05	0.00013
ENSMUSG00000007029	VAR5	0.427854	0.105336	4.87E-05	0.00013
ENSMUSG00000052142	RASAL3	1.119716	0.275704	4.88E-05	0.000131
ENSMUSG00000009772	NUAK2	0.805963	0.198507	4.90E-05	0.000131
ENSMUSG00000031029	EIF3F	0.493377	0.121522	4.91E-05	0.000131
ENSMUSG00000034620	RXYLT1	-0.46698	0.115026	4.91E-05	0.000132
ENSMUSG00000037570	MCRS1	0.337025	0.083063	4.96E-05	0.000133
ENSMUSG00000089989	GM45713	3.274067	0.807301	5.00E-05	0.000134
ENSMUSG00000026458	PPFIA4	0.50739	0.125114	5.00E-05	0.000134
ENSMUSG00000051486	PCDHB11	-1.51994	0.37487	5.02E-05	0.000134
ENSMUSG00000002257	DEF6	0.712631	0.17577	5.03E-05	0.000135
ENSMUSG00000082870	GM12165	-2.14488	0.529093	5.04E-05	0.000135
ENSMUSG00000027360	HDC	1.605124	0.395978	5.04E-05	0.000135
ENSMUSG00000040928	S100PBP	0.449017	0.110771	5.04E-05	0.000135
ENSMUSG00000032690	OAS2	-0.45886	0.113217	5.06E-05	0.000135
ENSMUSG00000037926	SSH2	-0.33841	0.083504	5.07E-05	0.000135
ENSMUSG00000022702	HIRA	0.449942	0.111052	5.09E-05	0.000136
ENSMUSG00000029213	COMMD8	0.409159	0.101001	5.10E-05	0.000136
ENSMUSG00000001017	CHTOP	0.335264	0.082768	5.11E-05	0.000136
ENSMUSG00000063972	NR6A1	1.014013	0.250362	5.12E-05	0.000137
ENSMUSG00000092335	ZFP977	-2.21394	0.546664	5.12E-05	0.000137
ENSMUSG00000098492	GM19353	2.201621	0.54377	5.15E-05	0.000137
ENSMUSG00000022099	DMTN	-0.67304	0.166236	5.15E-05	0.000138
ENSMUSG00000032042	SRPR	0.348312	0.086032	5.15E-05	0.000138
ENSMUSG00000028229	RMDN1	-0.39259	0.096984	5.17E-05	0.000138
ENSMUSG00000032252	GLCE	0.496125	0.122562	5.17E-05	0.000138
ENSMUSG00000038072	GALNT11	-0.48714	0.120369	5.19E-05	0.000138
ENSMUSG00000075254	HEG1	-0.56823	0.140452	5.22E-05	0.000139
ENSMUSG000000111092	GM17875	2.273559	0.561999	5.22E-05	0.000139
ENSMUSG00000019564	ARID3A	0.652534	0.16131	5.23E-05	0.000139
ENSMUSG00000021866	ANXA11	-0.36394	0.089969	5.23E-05	0.000139
ENSMUSG00000022353	MTSS1	-0.78375	0.193787	5.25E-05	0.00014
ENSMUSG00000046572	ZFP518B	-0.80911	0.200066	5.25E-05	0.00014

ENSMUSG00000022462	SLC38A2	0.477554	0.118089	5.25E-05	0.00014
ENSMUSG00000030659	NUCB2	0.667908	0.165209	5.28E-05	0.000141
ENSMUSG00000028452	VCP	0.332809	0.082361	5.33E-05	0.000142
ENSMUSG00000037049	SMPD1	-0.33719	0.083466	5.35E-05	0.000142
ENSMUSG00000021275	TECPR2	-0.50425	0.124835	5.36E-05	0.000143
ENSMUSG00000040701	AP1G2	0.621462	0.153851	5.36E-05	0.000143
ENSMUSG00000046679	C87436	0.435574	0.107832	5.36E-05	0.000143
ENSMUSG00000048442	SMIM5	-1.13076	0.27995	5.36E-05	0.000143
ENSMUSG00000024666	TMEM138	0.796539	0.197227	5.37E-05	0.000143
ENSMUSG00000007564	PPP2R1A	0.331863	0.082174	5.38E-05	0.000143
ENSMUSG00000075701	SELENOS	0.377127	0.093393	5.39E-05	0.000143
ENSMUSG00000009894	SNAP47	0.366721	0.090828	5.40E-05	0.000144
ENSMUSG00000025102	3110040N11RI	0.560587	0.138845	5.40E-05	0.000144
ENSMUSG00000011837	SNAPC2	0.471788	0.116884	5.43E-05	0.000144
ENSMUSG00000026767	MINDY3	0.548099	0.135872	5.48E-05	0.000146
ENSMUSG00000032673	PRORS1	0.3668	0.090936	5.49E-05	0.000146
ENSMUSG00000028266	LMO4	-0.40066	0.099336	5.50E-05	0.000146
ENSMUSG00000053137	MAPK11	0.819067	0.203104	5.51E-05	0.000147
ENSMUSG00000056698	ELMOD3	-0.40238	0.099804	5.54E-05	0.000147
ENSMUSG00000033065	PFKM	-1.07548	0.266805	5.56E-05	0.000148
ENSMUSG00000059994	FCRL1	1.738214	0.431256	5.56E-05	0.000148
ENSMUSG00000001493	MEOX1	0.793762	0.196963	5.58E-05	0.000148
ENSMUSG00000034998	FOXN2	0.482219	0.119658	5.58E-05	0.000148
ENSMUSG00000037892	PCDH18	-0.93444	0.231871	5.58E-05	0.000148
ENSMUSG00000051695	PCBP1	0.336084	0.083429	5.62E-05	0.000149
ENSMUSG00000025064	COL17A1	2.006853	0.498239	5.63E-05	0.000149
ENSMUSG00000032470	MRAS	-0.78558	0.195036	5.63E-05	0.000149
ENSMUSG00000029648	FLT1	-0.36183	0.089838	5.64E-05	0.00015
ENSMUSG00000017639	RAB11FIP4	1.751845	0.435124	5.67E-05	0.000151
ENSMUSG00000030353	TEAD4	0.607537	0.150911	5.68E-05	0.000151
ENSMUSG00000111581	GM47364	-2.28693	0.568303	5.72E-05	0.000152
ENSMUSG00000028436	DCAF12	0.337003	0.083747	5.72E-05	0.000152
ENSMUSG00000029003	MAD2L2	0.48082	0.1195	5.73E-05	0.000152
ENSMUSG00000053985	ZFP14	-1.43561	0.356892	5.76E-05	0.000153
ENSMUSG00000110353	GM33543	-2.36492	0.587994	5.77E-05	0.000153
ENSMUSG00000047187	RAB2A	0.33664	0.083709	5.78E-05	0.000153
ENSMUSG00000028455	STOML2	0.396485	0.0986	5.79E-05	0.000154
ENSMUSG00000040724	KCNA2	-1.15521	0.287303	5.80E-05	0.000154
ENSMUSG00000047171	HELT	-2.25288	0.560355	5.81E-05	0.000154
ENSMUSG00000062861	ZFP28	-0.77782	0.193499	5.83E-05	0.000154
ENSMUSG00000019864	RTN4IP1	-0.46792	0.116419	5.84E-05	0.000155
ENSMUSG00000005204	SENP3	0.406073	0.10104	5.85E-05	0.000155
ENSMUSG00000020721	HELZ	0.472332	0.117535	5.85E-05	0.000155
ENSMUSG00000041958	PIGS	0.342466	0.085236	5.87E-05	0.000156
ENSMUSG00000030045	MRPL19	-0.45119	0.11234	5.91E-05	0.000157
ENSMUSG00000106208	GM4734	2.235179	0.556945	5.99E-05	0.000159
ENSMUSG00000057667	BLOC1S3	0.473568	0.118013	6.00E-05	0.000159
ENSMUSG00000012117	DHDDS	-0.35528	0.088546	6.01E-05	0.000159
ENSMUSG00000022607	PTK2	0.340927	0.084973	6.02E-05	0.000159
ENSMUSG00000028156	EIF4E	-0.47441	0.118262	6.03E-05	0.00016

ENSMUSG00000060147	SERPINB6A	0.33381	0.083224	6.05E-05	0.00016
ENSMUSG00000094286	GM12424	-0.87462	0.218126	6.08E-05	0.000161
ENSMUSG00000024515	SMAD4	0.410854	0.102489	6.10E-05	0.000161
ENSMUSG00000028851	NUDC	0.59823	0.149266	6.13E-05	0.000162
ENSMUSG00000020630	RNASEH1	0.449625	0.112194	6.13E-05	0.000162
ENSMUSG00000061928	DSG1B	2.166727	0.540758	6.15E-05	0.000163
ENSMUSG000000105461	GM4742	1.286048	0.320962	6.15E-05	0.000163
ENSMUSG00000050914	ANKRD37	0.545119	0.136053	6.16E-05	0.000163
ENSMUSG00000031523	DLC1	-0.33403	0.083381	6.17E-05	0.000163
ENSMUSG00000023393	SLC17A9	1.381712	0.344922	6.18E-05	0.000163
ENSMUSG00000022043	TRIM35	-0.33016	0.082432	6.20E-05	0.000164
ENSMUSG00000022451	TWF1	0.541928	0.135343	6.23E-05	0.000164
ENSMUSG00000091243	VGLL3	0.679294	0.169649	6.23E-05	0.000164
ENSMUSG00000039163	CMC1	0.589502	0.147234	6.23E-05	0.000164
ENSMUSG00000070808	BICRA	-0.4241	0.105923	6.23E-05	0.000164
ENSMUSG00000030339	LTBR	0.474618	0.118573	6.26E-05	0.000165
ENSMUSG00000020359	PHYKPL	0.382692	0.095631	6.29E-05	0.000166
ENSMUSG00000052920	PRKG1	0.959227	0.239706	6.29E-05	0.000166
ENSMUSG00000074342	I830077J02RIK	1.352354	0.337948	6.29E-05	0.000166
ENSMUSG00000032423	SYNCRIP	0.334675	0.083635	6.29E-05	0.000166
ENSMUSG00000020447	NPC1L1	1.269042	0.31726	6.33E-05	0.000167
ENSMUSG00000001761	SMO	-0.60492	0.151232	6.34E-05	0.000167
ENSMUSG00000019710	MRPL24	0.480003	0.120012	6.34E-05	0.000167
ENSMUSG00000022408	FAM83F	1.86122	0.465355	6.35E-05	0.000167
ENSMUSG00000045975	C2CD2	-0.40745	0.101894	6.37E-05	0.000168
ENSMUSG00000024050	WIZ	-0.37071	0.09271	6.37E-05	0.000168
ENSMUSG00000033857	ENGASE	-0.66967	0.167587	6.44E-05	0.00017
ENSMUSG00000047731	WBP1L	-0.33169	0.083024	6.47E-05	0.00017
ENSMUSG00000041957	PKP2	0.337328	0.084436	6.47E-05	0.00017
ENSMUSG00000024983	VTI1A	0.360421	0.090223	6.48E-05	0.000171
ENSMUSG00000005442	CIC	0.466707	0.11686	6.50E-05	0.000171
ENSMUSG00000019487	TRIP10	-0.58747	0.147132	6.53E-05	0.000172
ENSMUSG00000011254	THG1L	0.540597	0.135397	6.53E-05	0.000172
ENSMUSG00000028420	TMEM38B	0.449364	0.112549	6.53E-05	0.000172
ENSMUSG00000031448	ADPRHL1	-0.4064	0.101788	6.53E-05	0.000172
ENSMUSG00000032046	ABHD12	0.341562	0.085576	6.57E-05	0.000173
ENSMUSG00000033149	PHLDB2	-0.66357	0.166257	6.57E-05	0.000173
ENSMUSG00000028070	NAXE	0.461539	0.115672	6.61E-05	0.000174
ENSMUSG00000024910	CTSW	1.306833	0.327553	6.62E-05	0.000174
ENSMUSG00000051864	TBC1D22A	0.335541	0.084107	6.62E-05	0.000174
ENSMUSG00000030527	CRTC3	-0.63381	0.158887	6.63E-05	0.000174
ENSMUSG00000056904	GM5620	-0.86365	0.216519	6.64E-05	0.000175
ENSMUSG00000022671	MZT2	0.505981	0.126858	6.65E-05	0.000175
ENSMUSG00000021624	CD180	1.170905	0.293604	6.66E-05	0.000175
ENSMUSG00000038797	ZSCAN2	-0.76273	0.191257	6.66E-05	0.000175
ENSMUSG00000029501	ANKLE2	-0.40074	0.100507	6.69E-05	0.000176
ENSMUSG00000035649	ZCCHC7	0.561918	0.140954	6.70E-05	0.000176
ENSMUSG00000036114	RPP25L	0.380263	0.095397	6.72E-05	0.000176
ENSMUSG00000032468	ARMC8	-0.3655	0.091708	6.73E-05	0.000177
ENSMUSG00000037029	ZFP146	-0.38583	0.096818	6.74E-05	0.000177

ENSMUSG00000020154	PTPRB	-0.32936	0.082679	6.79E-05	0.000178
ENSMUSG00000068373	D430041D05RI	1.90405	0.478024	6.80E-05	0.000178
ENSMUSG00000024528	SRFBP1	0.400119	0.10046	6.81E-05	0.000179
ENSMUSG00000047443	ERFE	1.285176	0.322694	6.82E-05	0.000179
ENSMUSG00000040297	SUCO	0.655282	0.164574	6.84E-05	0.000179
ENSMUSG00000036249	RBM43	-0.6099	0.153177	6.84E-05	0.000179
ENSMUSG00000027630	TBL1XR1	0.563307	0.14151	6.87E-05	0.00018
ENSMUSG00000030472	CEACAM18	2.630585	0.660968	6.89E-05	0.000181
ENSMUSG00000024843	CHKA	0.468828	0.117811	6.91E-05	0.000181
ENSMUSG00000095079	IGHA	2.750605	0.691332	6.93E-05	0.000182
ENSMUSG00000022131	GPR180	-0.36546	0.091858	6.93E-05	0.000182
ENSMUSG00000071573	RNLS	-0.66436	0.167006	6.95E-05	0.000182
ENSMUSG00000049411	TMEM241	-0.82524	0.207464	6.96E-05	0.000182
ENSMUSG00000028760	EIF4G3	-0.34588	0.086962	6.97E-05	0.000182
ENSMUSG00000031592	PCM1	-0.3321	0.083496	6.97E-05	0.000182
ENSMUSG00000035984	NME5	-0.97717	0.24568	6.97E-05	0.000182
ENSMUSG00000018930	CCL4	3.130575	0.787285	7.00E-05	0.000183
ENSMUSG00000039473	UBN1	0.331196	0.0833	7.01E-05	0.000183
ENSMUSG00000078963	HSBP1L1	-0.74358	0.187048	7.03E-05	0.000184
ENSMUSG00000026356	DARS	0.330521	0.083147	7.03E-05	0.000184
ENSMUSG00000015766	EPS8	0.612197	0.15402	7.04E-05	0.000184
ENSMUSG00000009378	SLC16A12	-0.72222	0.181717	7.05E-05	0.000185
ENSMUSG00000028005	GUCY1B1	-0.93243	0.234612	7.06E-05	0.000185
ENSMUSG00000028381	UGCG	0.496612	0.12496	7.06E-05	0.000185
ENSMUSG00000045790	CCDC149	-0.98059	0.246816	7.10E-05	0.000186
ENSMUSG00000032353	TMED3	0.357355	0.089986	7.15E-05	0.000187
ENSMUSG00000030117	GDF3	2.819695	0.710136	7.17E-05	0.000187
ENSMUSG00000079225	GM9531	0.617238	0.15548	7.19E-05	0.000188
ENSMUSG00000053754	CHD8	0.376934	0.09495	7.19E-05	0.000188
ENSMUSG00000024245	TMEM178	1.420741	0.357909	7.20E-05	0.000188
ENSMUSG00000025817	NUDT5	0.584003	0.147207	7.27E-05	0.00019
ENSMUSG00000055041	COMMD5	0.425383	0.107224	7.27E-05	0.00019
ENSMUSG00000035674	NDUFA3	0.576849	0.145414	7.28E-05	0.00019
ENSMUSG00000039233	TBCE	0.369141	0.093073	7.30E-05	0.000191
ENSMUSG00000041544	DISP3	2.020869	0.50958	7.32E-05	0.000191
ENSMUSG00000020859	SPAG9	-0.33542	0.084581	7.32E-05	0.000191
ENSMUSG00000025330	PADI4	0.919857	0.231987	7.34E-05	0.000191
ENSMUSG00000002825	QTRT1	0.539447	0.136063	7.35E-05	0.000192
ENSMUSG00000026083	EIF5B	0.352441	0.088899	7.35E-05	0.000192
ENSMUSG00000032044	RPUSD4	-0.49485	0.124819	7.35E-05	0.000192
ENSMUSG00000040472	RABGGTA	0.557786	0.140693	7.35E-05	0.000192
ENSMUSG00000003778	BRD8	0.335629	0.084667	7.37E-05	0.000192
ENSMUSG00000027628	AAR2	0.413727	0.104367	7.37E-05	0.000192
ENSMUSG00000031672	GOT2	-0.40923	0.103288	7.43E-05	0.000194
ENSMUSG00000096862	GM13301	-1.28647	0.324756	7.45E-05	0.000194
ENSMUSG00000002147	STAT6	-0.40302	0.101739	7.45E-05	0.000194
ENSMUSG00000058542	GM15590	1.521191	0.384091	7.48E-05	0.000195
ENSMUSG00000001687	UBL3	0.33871	0.085525	7.48E-05	0.000195
ENSMUSG00000017499	CDC6	1.046256	0.264235	7.51E-05	0.000196
ENSMUSG00000045327	6330549D23RI	1.308969	0.330794	7.59E-05	0.000198

ENSMUSG00000052675	ZFP112	-0.55451	0.140132	7.59E-05	0.000198
ENSMUSG00000024269	TPGS2	-0.42233	0.106754	7.62E-05	0.000198
ENSMUSG00000032112	TRAPPC4	0.535254	0.135303	7.62E-05	0.000198
ENSMUSG00000020847	RPH3AL	-0.80011	0.202292	7.65E-05	0.000199
ENSMUSG00000029544	CABP1	-0.81682	0.206537	7.66E-05	0.000199
ENSMUSG000000109335	GM44845	-1.1848	0.299584	7.66E-05	0.000199
ENSMUSG00000037416	DMXL1	-0.44591	0.112778	7.69E-05	0.0002
ENSMUSG00000054793	CADM4	-0.92513	0.233982	7.69E-05	0.0002
ENSMUSG00000020085	AIFM2	0.386308	0.097706	7.69E-05	0.0002
ENSMUSG00000019558	SLC6A8	-0.32723	0.082767	7.70E-05	0.0002
ENSMUSG00000068079	TCF15	-0.84272	0.213181	7.72E-05	0.000201
ENSMUSG00000079215	ZFP664	-0.46889	0.118614	7.72E-05	0.000201
ENSMUSG00000052302	TBC1D30	-1.28602	0.325466	7.77E-05	0.000202
ENSMUSG00000031996	APLP2	-0.33024	0.083605	7.81E-05	0.000203
ENSMUSG00000019715	GLE1	0.432614	0.109522	7.82E-05	0.000203
ENSMUSG00000074826	GM10767	-0.90703	0.229651	7.83E-05	0.000203
ENSMUSG00000020640	ITSN2	-0.45829	0.116035	7.83E-05	0.000203
ENSMUSG00000039850	ENDOV	0.525344	0.133022	7.84E-05	0.000204
ENSMUSG00000074881	MAGEB3	2.538248	0.642817	7.86E-05	0.000204
ENSMUSG00000026421	CSRP1	0.519849	0.131659	7.87E-05	0.000204
ENSMUSG00000035441	MYO1D	0.43267	0.109586	7.87E-05	0.000204
ENSMUSG00000044030	IRF2BP1	-0.50883	0.128875	7.87E-05	0.000204
ENSMUSG00000075122	CD80	1.503629	0.380902	7.90E-05	0.000205
ENSMUSG00000003153	SLC2A3	1.060134	0.268574	7.90E-05	0.000205
ENSMUSG00000075279	MRPL23-PS1	0.502741	0.127382	7.92E-05	0.000206
ENSMUSG00000026142	RHBDD1	0.365642	0.092658	7.94E-05	0.000206
ENSMUSG00000046997	SPSB4	-0.61155	0.154997	7.96E-05	0.000206
ENSMUSG00000020526	ZNHIT3	0.452694	0.114752	7.98E-05	0.000207
ENSMUSG00000025932	EYA1	-0.92427	0.234303	7.99E-05	0.000207
ENSMUSG00000047146	TET1	-1.14288	0.289736	7.99E-05	0.000207
ENSMUSG00000050931	SGMS2	1.538071	0.389924	8.00E-05	0.000207
ENSMUSG00000055704	GM9978	-0.70147	0.177858	8.01E-05	0.000208
ENSMUSG00000039903	EVA1C	1.03874	0.263404	8.03E-05	0.000208
ENSMUSG00000029328	HNRNPDL	0.396877	0.100647	8.04E-05	0.000208
ENSMUSG00000055762	EEF1D	0.627367	0.159097	8.04E-05	0.000208
ENSMUSG00000022223	SDR39U1	0.513601	0.130251	8.04E-05	0.000208
ENSMUSG00000028430	NOL6	0.474236	0.120277	8.05E-05	0.000208
ENSMUSG00000036819	JMJD4	-0.54907	0.139278	8.07E-05	0.000209
ENSMUSG00000027968	LARP7	0.36152	0.091713	8.09E-05	0.000209
ENSMUSG00000002957	AP2A2	-0.34943	0.088648	8.09E-05	0.000209
ENSMUSG00000072693	GM10401	-3.92386	0.995489	8.09E-05	0.000209
ENSMUSG00000045576	ST7L	0.414782	0.105235	8.10E-05	0.00021
ENSMUSG00000038777	SEMA6C	-0.83888	0.21284	8.10E-05	0.00021
ENSMUSG00000032418	ME1	0.362928	0.092089	8.11E-05	0.00021
ENSMUSG00000021357	EXOC2	-0.35725	0.090663	8.13E-05	0.00021
ENSMUSG00000050786	CCDC126	-0.56094	0.142354	8.13E-05	0.00021
ENSMUSG00000074340	OVGP1	0.950873	0.241309	8.13E-05	0.00021
ENSMUSG00000029310	NUDT9	0.336816	0.085481	8.14E-05	0.00021
ENSMUSG00000046032	SNX12	0.369366	0.093742	8.14E-05	0.00021
ENSMUSG00000078958	ATP6AP1L	-1.86225	0.47263	8.14E-05	0.00021

ENSMUSG00000004233	WARS2	-0.57484	0.145912	8.16E-05	0.000211
ENSMUSG00000012114	MED15	0.336362	0.085382	8.17E-05	0.000211
ENSMUSG00000028530	JAK1	-0.36018	0.091435	8.17E-05	0.000211
ENSMUSG00000053560	IER2	1.36561	0.346672	8.18E-05	0.000211
ENSMUSG00000025534	GUSB	0.401146	0.101843	8.19E-05	0.000211
ENSMUSG00000017943	GDAP1L1	2.810607	0.713597	8.19E-05	0.000212
ENSMUSG00000026697	MYOC	-1.57985	0.40112	8.20E-05	0.000212
ENSMUSG00000094627	GM10182	-5.10149	1.295385	8.21E-05	0.000212
ENSMUSG00000029472	ANAPC5	0.326715	0.082987	8.25E-05	0.000213
ENSMUSG00000045482	TRRAP	0.357791	0.09088	8.25E-05	0.000213
ENSMUSG00000108396	GM6905	2.137611	0.543204	8.31E-05	0.000214
ENSMUSG00000110221	GM36210	-1.01518	0.257988	8.32E-05	0.000215
ENSMUSG00000069020	URM1	0.407712	0.10365	8.37E-05	0.000216
ENSMUSG00000017418	ARL5B	0.534169	0.135805	8.38E-05	0.000216
ENSMUSG00000022790	IGSF11	1.184835	0.301258	8.39E-05	0.000216
ENSMUSG00000073489	IFI204	0.679247	0.172727	8.41E-05	0.000217
ENSMUSG00000069814	CCDC92B	1.077607	0.274067	8.43E-05	0.000217
ENSMUSG00000029470	P2RX4	-0.41346	0.105173	8.45E-05	0.000218
ENSMUSG00000030994	D7ERTD443E	-1.05828	0.269276	8.49E-05	0.000219
ENSMUSG00000046010	ZFP830	0.384254	0.097773	8.49E-05	0.000219
ENSMUSG00000038630	ZKSCAN16	-2.06237	0.524776	8.49E-05	0.000219
ENSMUSG00000038690	ATP5J2	0.469899	0.119568	8.50E-05	0.000219
ENSMUSG00000031231	COX7B	0.350118	0.089098	8.51E-05	0.000219
ENSMUSG00000057182	SCN3A	-1.29426	0.329386	8.52E-05	0.000219
ENSMUSG00000028634	HIVEP3	0.548488	0.13967	8.60E-05	0.000221
ENSMUSG00000014776	NOL3	-0.32465	0.082692	8.64E-05	0.000222
ENSMUSG00000025982	SF3B1	0.323959	0.082517	8.64E-05	0.000222
ENSMUSG00000096109	OLFR1537	-1.37606	0.350652	8.70E-05	0.000224
ENSMUSG00000030752	KDM8	-0.62547	0.159401	8.71E-05	0.000224
ENSMUSG00000041845	RHOD	0.737412	0.187928	8.71E-05	0.000224
ENSMUSG00000025317	CAR5A	1.642733	0.418676	8.72E-05	0.000224
ENSMUSG00000003617	CP	0.558724	0.142502	8.82E-05	0.000227
ENSMUSG00000055204	ANKRD17	-0.32636	0.083244	8.83E-05	0.000227
ENSMUSG00000028085	GATB	0.610116	0.155625	8.84E-05	0.000227
ENSMUSG00000011158	BRF1	0.332885	0.084958	8.92E-05	0.000229
ENSMUSG00000027858	TSPAN2	-0.73459	0.18749	8.93E-05	0.000229
ENSMUSG00000015243	ABCA1	-0.57755	0.147446	8.96E-05	0.00023
ENSMUSG00000051403	PPP1R37	0.525739	0.134252	9.00E-05	0.000231
ENSMUSG00000026271	GPR35	0.529602	0.135289	9.06E-05	0.000233
ENSMUSG00000006281	TEP1	-0.40459	0.103361	9.07E-05	0.000233
ENSMUSG00000020070	RUFY2	-0.73916	0.188838	9.07E-05	0.000233
ENSMUSG00000027864	PTGFRN	-0.33678	0.086044	9.08E-05	0.000233
ENSMUSG00000021880	RNASE6	1.266932	0.323809	9.13E-05	0.000234
ENSMUSG00000042349	IKBKE	0.90362	0.231085	9.22E-05	0.000237
ENSMUSG00000020849	YWHAЕ	0.324711	0.083066	9.27E-05	0.000238
ENSMUSG00000021376	TPMT	0.591631	0.151382	9.30E-05	0.000239
ENSMUSG00000093973	MRGPRA2A	2.315042	0.592454	9.32E-05	0.000239
ENSMUSG00000060962	DMKN	3.674677	0.940506	9.34E-05	0.00024
ENSMUSG00000031601	CNOT7	0.414313	0.106048	9.35E-05	0.00024
ENSMUSG00000003208	YJU2	0.468223	0.119883	9.40E-05	0.000241

ENSMUSG00000093798	GM8355	2.554444	0.654079	9.41E-05	0.000241
ENSMUSG00000006369	FBLN1	-1.59045	0.40728	9.42E-05	0.000242
ENSMUSG000000058806	COL13A1	-0.86328	0.221067	9.42E-05	0.000242
ENSMUSG000000033429	MCEE	0.517409	0.13251	9.44E-05	0.000242
ENSMUSG000000032452	CLSTN2	-1.36345	0.349215	9.45E-05	0.000242
ENSMUSG000000016194	HSD11B1	-0.5238	0.134169	9.46E-05	0.000242
ENSMUSG000000020948	KLHL28	0.720869	0.184649	9.46E-05	0.000242
ENSMUSG000000032469	DBR1	0.636123	0.162965	9.48E-05	0.000243
ENSMUSG000000037235	MXD4	-0.39544	0.101345	9.54E-05	0.000244
ENSMUSG000000021922	ITIH4	0.889765	0.228085	9.58E-05	0.000245
ENSMUSG000000022244	AMACR	-0.71849	0.184182	9.58E-05	0.000245
ENSMUSG000000037014	SSTR4	-1.63018	0.418167	9.68E-05	0.000248
ENSMUSG000000111259	OLFR1328	0.948986	0.243438	9.69E-05	0.000248
ENSMUSG000000038696	MAPKAP1	0.370925	0.095164	9.71E-05	0.000248
ENSMUSG000000040167	IKZF5	0.484151	0.124242	9.75E-05	0.000249
ENSMUSG000000043003	RASEF	-1.27808	0.328057	9.78E-05	0.00025
ENSMUSG000000070291	DDX43	2.239771	0.574913	9.79E-05	0.00025
ENSMUSG000000057137	TMEM140	-0.63067	0.161914	9.82E-05	0.000251
ENSMUSG000000020547	BZW2	-0.54398	0.139681	9.84E-05	0.000252
ENSMUSG000000062646	GANC	-0.43285	0.111155	9.85E-05	0.000252
ENSMUSG000000059327	EDA	-0.775	0.199023	9.86E-05	0.000252
ENSMUSG000000022369	MTBP	0.774536	0.19892	9.87E-05	0.000252
ENSMUSG000000004865	SRPK1	0.398022	0.102224	9.88E-05	0.000252
ENSMUSG000000035121	NEIL2	0.781027	0.200635	9.91E-05	0.000253
ENSMUSG000000024941	SCYL1	-0.32121	0.082543	9.97E-05	0.000255
ENSMUSG000000019948	ACTR6	-0.47245	0.12142	9.98E-05	0.000255
ENSMUSG000000002393	NR2F6	-0.45244	0.116292	0.0001	0.000255
ENSMUSG000000003518	DUSP3	-0.52204	0.134203	0.0001	0.000256
ENSMUSG000000071074	YIPF3	0.543628	0.139762	0.0001	0.000256
ENSMUSG000000019194	SCN1B	-0.35566	0.091466	0.000101	0.000257
ENSMUSG000000006344	GGT5	-0.72627	0.186793	0.000101	0.000258
ENSMUSG000000026664	PHYH	-0.5134	0.132096	0.000102	0.000259
ENSMUSG000000032959	PEBP1	0.418286	0.107637	0.000102	0.00026
ENSMUSG000000035413	TMEM98	-0.62987	0.162098	0.000102	0.00026
ENSMUSG000000017615	TNFAIP1	0.320781	0.08257	0.000102	0.000261
ENSMUSG000000023505	CDCA3	1.603767	0.412827	0.000102	0.000261
ENSMUSG000000083913	GM14219	-2.40152	0.618243	0.000103	0.000261
ENSMUSG000000049028	OLFR873	2.166117	0.557663	0.000103	0.000262
ENSMUSG000000041528	RNF123	-0.42068	0.108353	0.000103	0.000263
ENSMUSG000000028248	PNISR	-0.3667	0.09445	0.000103	0.000263
ENSMUSG000000018845	UNC45B	-0.3991	0.102798	0.000103	0.000263
ENSMUSG000000026074	MAP4K4	-0.33075	0.085211	0.000104	0.000264
ENSMUSG000000018727	CPSF4L	-1.34563	0.346769	0.000104	0.000266
ENSMUSG000000086670	GM13194	-2.01137	0.518465	0.000105	0.000267
ENSMUSG000000046952	GM5815	3.088965	0.79629	0.000105	0.000267
ENSMUSG000000090093	GM14399	-0.92837	0.239318	0.000105	0.000267
ENSMUSG000000021540	SMAD5	0.45676	0.117749	0.000105	0.000267
ENSMUSG000000094526	GM21451	-1.08388	0.279432	0.000105	0.000267
ENSMUSG000000002329	MDP1	0.320578	0.08266	0.000105	0.000268
ENSMUSG000000053012	KRCC1	0.323853	0.083504	0.000105	0.000268

ENSMUSG00000057234	METTL15	-0.58558	0.151026	0.000106	0.000269
ENSMUSG00000026576	ATP1B1	-0.32113	0.082834	0.000106	0.000269
ENSMUSG00000046027	STARD5	0.538708	0.139005	0.000106	0.000271
ENSMUSG00000004937	SGTA	0.343762	0.08871	0.000107	0.000271
ENSMUSG000000107877	GM43951	-2.40966	0.621867	0.000107	0.000271
ENSMUSG00000030678	MAZ	-0.32767	0.084604	0.000108	0.000273
ENSMUSG00000071266	ZFP946	-0.61223	0.158127	0.000108	0.000275
ENSMUSG00000035150	EIF2S3X	0.323582	0.083596	0.000108	0.000276
ENSMUSG00000034361	CPNE2	0.702311	0.181441	0.000109	0.000276
ENSMUSG00000024560	CXXC1	-0.37018	0.095653	0.000109	0.000276
ENSMUSG000000107928	GM45140	1.004048	0.259457	0.000109	0.000277
ENSMUSG00000038304	CD160	1.610607	0.416224	0.000109	0.000277
ENSMUSG00000020435	OSBP2	-1.37621	0.355726	0.000109	0.000278
ENSMUSG000000111551	GM48128	-0.49883	0.128939	0.000109	0.000278
ENSMUSG00000027708	DCUN1D1	0.366297	0.094693	0.00011	0.000278
ENSMUSG00000068040	TM9SF4	0.345391	0.089295	0.00011	0.000279
ENSMUSG00000019791	HINT3	0.560078	0.144865	0.000111	0.000281
ENSMUSG00000028648	NDUFS5	0.470919	0.121812	0.000111	0.000281
ENSMUSG00000030399	CKM	-0.40386	0.104478	0.000111	0.000281
ENSMUSG00000066442	MTHFS	0.634045	0.164039	0.000111	0.000282
ENSMUSG00000062937	MTAP	-0.36654	0.094835	0.000111	0.000282
ENSMUSG00000058571	GPC6	-0.87561	0.22655	0.000111	0.000282
ENSMUSG00000057531	DTNBP1	0.349051	0.090316	0.000111	0.000282
ENSMUSG00000041794	MYRIP	-1.02519	0.265382	0.000112	0.000284
ENSMUSG00000024072	YIPF4	-0.32718	0.084711	0.000112	0.000285
ENSMUSG00000045031	CETN4	0.976597	0.252894	0.000113	0.000285
ENSMUSG00000025504	EPS8L2	-1.02238	0.264761	0.000113	0.000285
ENSMUSG00000026019	WDR12	0.439374	0.113822	0.000113	0.000287
ENSMUSG00000046671	MTFR1L	0.350167	0.090733	0.000114	0.000288
ENSMUSG00000025280	POLR3A	-0.3724	0.096501	0.000114	0.000288
ENSMUSG00000070980	ACTL7B	2.983281	0.77322	0.000114	0.000289
ENSMUSG00000036944	TMEM71	-0.43004	0.111471	0.000114	0.00029
ENSMUSG00000071659	HNRNPUL2	-0.31879	0.082638	0.000114	0.00029
ENSMUSG00000024982	ZDHHC6	0.332496	0.086192	0.000114	0.00029
ENSMUSG00000049134	NRAP	0.801934	0.207907	0.000115	0.00029
ENSMUSG00000024953	PRDX5	0.446791	0.115859	0.000115	0.000291
ENSMUSG00000021606	NDUFS6	0.524089	0.135971	0.000116	0.000294
ENSMUSG00000026222	SP100	-0.77659	0.201577	0.000117	0.000296
ENSMUSG00000000876	PXMP4	-0.35376	0.091841	0.000117	0.000296
ENSMUSG00000019850	TNFAIP3	1.049632	0.272499	0.000117	0.000296
ENSMUSG00000027828	SSR3	0.316718	0.08224	0.000118	0.000297
ENSMUSG00000032313	TMEM266	-0.84484	0.219375	0.000118	0.000297
ENSMUSG00000035357	PDZRN3	-0.58236	0.151299	0.000119	0.0003
ENSMUSG00000031109	ENOX2	-0.42258	0.109792	0.000119	0.0003
ENSMUSG00000069607	CD300LD3	-1.66389	0.432321	0.000119	0.0003
ENSMUSG00000032431	CRTAP	-0.38443	0.099903	0.000119	0.000301
ENSMUSG00000028573	FGGY	0.730131	0.189773	0.000119	0.000302
ENSMUSG00000051950	B3GLCT	-0.85059	0.221083	0.000119	0.000302
ENSMUSG00000000126	WNT9A	-0.80299	0.208724	0.00012	0.000302
ENSMUSG00000046707	CSNK2A2	0.392044	0.101907	0.00012	0.000302

ENSMUSG00000028517	PLPP3	-0.59524	0.154769	0.00012	0.000303
ENSMUSG00000040717	IL17RD	-0.91348	0.237592	0.000121	0.000305
ENSMUSG00000032307	UBE2Q2	-0.34429	0.089552	0.000121	0.000305
ENSMUSG00000048720	TBC1D12	-0.43456	0.113049	0.000121	0.000306
ENSMUSG00000065952	C330021F23RII	-1.49046	0.387857	0.000122	0.000307
ENSMUSG00000034041	LYL1	0.845789	0.22012	0.000122	0.000307
ENSMUSG00000031337	MTM1	-0.4318	0.112399	0.000122	0.000308
ENSMUSG00000032571	PIK3R4	-0.43308	0.112788	0.000123	0.000311
ENSMUSG00000024622	HMGXB3	-0.34196	0.089075	0.000124	0.000312
ENSMUSG00000006494	PDK1	-0.5129	0.133626	0.000124	0.000312
ENSMUSG00000033389	ARHGAP44	0.370975	0.096654	0.000124	0.000312
ENSMUSG000000100615	GM5511	2.144196	0.558874	0.000125	0.000314
ENSMUSG00000023070	RGN	-1.50999	0.39376	0.000126	0.000317
ENSMUSG00000032091	TMPRSS4	-3.30194	0.861085	0.000126	0.000317
ENSMUSG00000049539	HIST1H1A	1.366697	0.356415	0.000126	0.000317
ENSMUSG00000050271	PRAG1	-0.42761	0.11157	0.000127	0.000319
ENSMUSG00000025371	CHMP6	0.394776	0.103007	0.000127	0.000319
ENSMUSG00000030801	KAT8	0.409529	0.106877	0.000127	0.00032
ENSMUSG00000038168	P3H2	0.855968	0.223451	0.000128	0.000322
ENSMUSG00000049580	TSKU	0.978001	0.255387	0.000128	0.000323
ENSMUSG00000021694	ERCC8	0.523987	0.136834	0.000128	0.000323
ENSMUSG00000048191	MUC6	1.190299	0.310844	0.000129	0.000323
ENSMUSG00000020773	TRIM47	0.554958	0.144939	0.000129	0.000324
ENSMUSG00000026768	ITGA8	-1.28989	0.336941	0.000129	0.000325
ENSMUSG00000089736	TGFBR3L	-0.64565	0.16869	0.000129	0.000326
ENSMUSG00000021706	ZFYVE16	-0.46174	0.120646	0.00013	0.000326
ENSMUSG00000005501	USP40	-0.38386	0.10031	0.00013	0.000326
ENSMUSG00000020577	TSPAN13	-0.8197	0.214205	0.00013	0.000326
ENSMUSG00000020486	Sep-04	-0.64355	0.16823	0.000131	0.000328
ENSMUSG00000026754	GOLGA1	-0.42136	0.110176	0.000131	0.000329
ENSMUSG00000024238	ZEB1	-0.36625	0.095774	0.000131	0.00033
ENSMUSG00000028737	ALDH4A1	-0.74307	0.194343	0.000132	0.000331
ENSMUSG00000051490	FOXD4	2.083283	0.544888	0.000132	0.000331
ENSMUSG00000002496	TSC2	-0.31726	0.082996	0.000132	0.000332
ENSMUSG000000108763	GM36028	0.904474	0.236611	0.000132	0.000332
ENSMUSG00000029469	IFT81	-1.14407	0.299319	0.000132	0.000332
ENSMUSG00000079105	C7	-1.14879	0.300566	0.000132	0.000332
ENSMUSG00000061577	ADGRG5	2.477012	0.648263	0.000133	0.000334
ENSMUSG00000036502	TMEM255A	-1.72774	0.452194	0.000133	0.000334
ENSMUSG00000096433	ZFP994	-0.49269	0.128948	0.000133	0.000334
ENSMUSG00000049184	PURG	-0.73394	0.192101	0.000133	0.000334
ENSMUSG00000032059	ALG9	0.544475	0.142611	0.000135	0.000338
ENSMUSG00000006567	ATP7B	1.472197	0.385732	0.000135	0.000339
ENSMUSG00000024274	ZSCAN30	1.026947	0.269083	0.000135	0.00034
ENSMUSG000000101234	1700007E05RII	1.297957	0.340149	0.000136	0.00034
ENSMUSG00000047363	CSTAD	1.354746	0.355061	0.000136	0.000341
ENSMUSG00000039198	PTCHD3	-1.74834	0.45824	0.000136	0.000341
ENSMUSG00000061118	DNAJC30	0.431806	0.113182	0.000136	0.000341
ENSMUSG00000063531	SEMA3E	1.00526	0.263541	0.000136	0.000342
ENSMUSG00000059743	FDPS	0.375514	0.098475	0.000137	0.000344

ENSMUSG00000027347	RASGRP1	1.327036	0.348015	0.000137	0.000344
ENSMUSG00000028894	INPP5B	-0.60855	0.1597	0.000139	0.000347
ENSMUSG00000028438	KIF24	1.155038	0.303178	0.000139	0.000348
ENSMUSG00000038774	ASCC3	0.349357	0.091703	0.000139	0.000349
ENSMUSG00000029461	FAM168A	0.390136	0.102412	0.000139	0.000349
ENSMUSG00000024400	WDR33	-0.32236	0.084666	0.00014	0.000352
ENSMUSG00000041617	CCDC74A	1.134198	0.297936	0.000141	0.000352
ENSMUSG00000084319	TPT1-PS3	0.325854	0.085596	0.000141	0.000352
ENSMUSG00000026840	LAMC3	-1.76782	0.464402	0.000141	0.000353
ENSMUSG00000020741	CLUH	-0.34537	0.09075	0.000141	0.000354
ENSMUSG00000054874	PCNX3	0.443561	0.116554	0.000141	0.000354
ENSMUSG00000050675	GP1BA	-0.51464	0.135239	0.000142	0.000354
ENSMUSG00000026820	PTGES2	-0.5218	0.137126	0.000142	0.000354
ENSMUSG00000031734	IRX3	-1.12685	0.296135	0.000142	0.000354
ENSMUSG00000003308	KEAP1	-0.31945	0.083963	0.000142	0.000355
ENSMUSG00000013997	NIT1	0.418097	0.10989	0.000142	0.000355
ENSMUSG00000021806	NID2	-0.58637	0.154119	0.000142	0.000355
ENSMUSG00000025010	CCNJ	-0.47133	0.123886	0.000142	0.000355
ENSMUSG00000087598	ZFP111	-0.69917	0.183791	0.000142	0.000356
ENSMUSG00000037509	ARHGEF4	1.655434	0.435267	0.000143	0.000357
ENSMUSG00000024940	LTBP3	-0.32407	0.085213	0.000143	0.000357
ENSMUSG00000026189	PECR	-0.43873	0.115425	0.000144	0.00036
ENSMUSG00000047153	KHNYN	-0.35291	0.092856	0.000144	0.000361
ENSMUSG00000035509	FBXL21	1.714836	0.451264	0.000145	0.000361
ENSMUSG00000066440	ZFYVE26	-0.36888	0.097074	0.000145	0.000361
ENSMUSG00000079657	RAB26	2.792175	0.735152	0.000146	0.000364
ENSMUSG00000032077	BUD13	0.520634	0.137114	0.000146	0.000365
ENSMUSG00000048707	TPRN	0.80318	0.211547	0.000147	0.000366
ENSMUSG00000030868	DCTN5	0.348406	0.091776	0.000147	0.000367
ENSMUSG00000028527	AK4	-0.78315	0.206318	0.000147	0.000367
ENSMUSG00000071253	SLC25A16	0.535142	0.140992	0.000147	0.000368
ENSMUSG00000068015	LRCH1	-0.35941	0.094713	0.000148	0.000369
ENSMUSG00000037138	AFF3	-1.22345	0.322568	0.000149	0.000371
ENSMUSG00000050106	TMC8	-0.88521	0.233417	0.000149	0.000372
ENSMUSG00000033032	AFAP1L1	-0.31398	0.082798	0.000149	0.000372
ENSMUSG00000062098	BTBD3	-0.87248	0.230087	0.000149	0.000373
ENSMUSG00000048495	TYW5	0.55152	0.145461	0.00015	0.000373
ENSMUSG00000038628	POLR3K	-0.43807	0.115539	0.00015	0.000373
ENSMUSG00000025544	TM9SF2	-0.31286	0.082528	0.00015	0.000374
ENSMUSG00000042675	YPEL3	-0.339	0.089452	0.000151	0.000376
ENSMUSG00000047694	YIPF6	0.443148	0.116944	0.000151	0.000376
ENSMUSG00000005621	ZFP592	0.490383	0.129453	0.000152	0.000378
ENSMUSG00000024388	MYO7B	-1.53075	0.404111	0.000152	0.000378
ENSMUSG00000030611	MRPS11	0.357339	0.094341	0.000152	0.000379
ENSMUSG00000019647	SEMA6A	-0.64207	0.169551	0.000153	0.00038
ENSMUSG00000000916	NSUN5	-0.51994	0.137304	0.000153	0.00038
ENSMUSG00000021608	LPCAT1	-0.59601	0.157433	0.000153	0.000381
ENSMUSG00000029173	SEPSECS	0.3744	0.098954	0.000155	0.000385
ENSMUSG00000058979	HDHD5	-0.34321	0.090713	0.000155	0.000385
ENSMUSG00000021747	4930452B06RII	-1.86757	0.49366	0.000155	0.000385

ENSMUSG00000042229	RABIF	0.460835	0.12189	0.000156	0.000389
ENSMUSG00000022672	PRKDC	-0.42887	0.11344	0.000156	0.000389
ENSMUSG00000069755	ZFP125	-0.92317	0.244212	0.000157	0.00039
ENSMUSG00000047528	ALS2CR12	2.389454	0.632136	0.000157	0.00039
ENSMUSG00000026991	PKP4	0.358549	0.09486	0.000157	0.00039
ENSMUSG00000015405	ACE2	-0.8724	0.230893	0.000158	0.000392
ENSMUSG00000044719	E230025N22RI	2.036642	0.539045	0.000158	0.000393
ENSMUSG00000032218	CCNB2	1.738747	0.460525	0.00016	0.000397
ENSMUSG00000022383	PPARA	-0.73645	0.195071	0.00016	0.000397
ENSMUSG00000028416	BAG1	0.32193	0.085293	0.00016	0.000398
ENSMUSG00000048652	SAMD13	-0.9105	0.241263	0.000161	0.000399
ENSMUSG00000004665	CNN2	0.321401	0.085175	0.000161	0.0004
ENSMUSG00000035279	SSC5D	-0.5785	0.153329	0.000161	0.000401
ENSMUSG00000025193	CUTC	-0.45077	0.119482	0.000161	0.000401
ENSMUSG00000023439	GNB3	-0.9318	0.247047	0.000162	0.000402
ENSMUSG00000021182	CCDC88C	-0.98602	0.26143	0.000162	0.000403
ENSMUSG00000040441	SLC26A10	-2.12853	0.564384	0.000162	0.000403
ENSMUSG00000053580	TANC2	-0.54687	0.14501	0.000162	0.000403
ENSMUSG00000026554	DCAF8	-0.31298	0.082993	0.000162	0.000403
ENSMUSG00000034042	GPBP1L1	-0.35804	0.094943	0.000162	0.000403
ENSMUSG00000018401	MTMR4	0.483525	0.128292	0.000164	0.000407
ENSMUSG00000021413	PRPF4B	-0.31367	0.083231	0.000164	0.000407
ENSMUSG00000026829	GBGT1	-1.63403	0.433634	0.000164	0.000408
ENSMUSG00000048368	OMD	-1.58324	0.420165	0.000164	0.000408
ENSMUSG00000022354	NDUFB9	0.453559	0.12037	0.000165	0.000408
ENSMUSG00000028207	ASPH	-0.72827	0.19328	0.000165	0.000408
ENSMUSG00000078607	1810010H24RI	-0.86005	0.228286	0.000165	0.000409
ENSMUSG00000031967	AFG3L1	0.358862	0.095261	0.000165	0.000409
ENSMUSG00000040006	GINM1	0.314054	0.083369	0.000165	0.000409
ENSMUSG00000072674	PLAC9B	0.845274	0.224398	0.000165	0.000409
ENSMUSG000000103059	GM18186	1.290141	0.342526	0.000166	0.00041
ENSMUSG00000021361	TMEM14C	0.334244	0.088742	0.000166	0.00041
ENSMUSG00000045319	PROSER2	-0.43146	0.114557	0.000166	0.00041
ENSMUSG00000024831	IGHMBP2	-0.56616	0.150333	0.000166	0.000411
ENSMUSG00000038418	EGR1	1.862146	0.494523	0.000166	0.000411
ENSMUSG00000079470	UTP14B	0.784523	0.20837	0.000167	0.000412
ENSMUSG00000090112	SHPRH	-0.89901	0.238961	0.000168	0.000417
ENSMUSG00000032788	PDXK	-0.4989	0.132615	0.000169	0.000417
ENSMUSG00000036202	RIF1	-0.39387	0.104752	0.00017	0.00042
ENSMUSG00000047003	ZFP41	-0.80095	0.213069	0.000171	0.000422
ENSMUSG00000045555	METTL24	-1.00024	0.266178	0.000171	0.000424
ENSMUSG00000039488	CNTN5	-1.29359	0.344261	0.000172	0.000424
ENSMUSG00000040548	TEX2	0.41759	0.111188	0.000173	0.000427
ENSMUSG00000059689	ZFP637	-0.3869	0.103021	0.000173	0.000428
ENSMUSG00000040272	ACCS	-0.68014	0.181127	0.000173	0.000428
ENSMUSG00000021785	NGLY1	-0.38557	0.102693	0.000174	0.000429
ENSMUSG00000032184	LYSMD2	-0.41832	0.111487	0.000175	0.000433
ENSMUSG00000023993	TREML1	1.675271	0.446807	0.000177	0.000438
ENSMUSG00000018217	PMP22	-0.38022	0.101456	0.000179	0.000441
ENSMUSG00000027201	MYEF2	0.432427	0.115402	0.000179	0.000442

ENSMUSG00000059842	ZFP341	-0.56488	0.150798	0.00018	0.000444
ENSMUSG00000032724	ABTB2	-0.3319	0.088605	0.00018	0.000444
ENSMUSG00000099655	2310034G01RI	0.917336	0.244986	0.000181	0.000446
ENSMUSG00000087610	GM16253	0.712487	0.190354	0.000182	0.000449
ENSMUSG00000032381	CIAO2A	0.396288	0.105879	0.000182	0.000449
ENSMUSG00000020653	KLF11	0.550272	0.147041	0.000182	0.00045
ENSMUSG00000039354	SMARCAL1	0.339765	0.09079	0.000182	0.00045
ENSMUSG00000063698	SFXN4	-0.64327	0.171896	0.000182	0.00045
ENSMUSG00000029176	ANAPC4	0.475848	0.127164	0.000183	0.00045
ENSMUSG00000022827	RABL3	0.423763	0.113278	0.000183	0.000452
ENSMUSG00000070583	FV1	-0.37561	0.100411	0.000183	0.000452
ENSMUSG00000016831	TOX4	0.43873	0.117309	0.000184	0.000454
ENSMUSG00000059883	IRAK4	0.486374	0.130051	0.000184	0.000454
ENSMUSG00000003746	MAN1A	0.33645	0.089981	0.000185	0.000455
ENSMUSG00000020375	RUFY1	-0.36826	0.098494	0.000185	0.000455
ENSMUSG00000025930	MSC	-0.959	0.256499	0.000185	0.000456
ENSMUSG00000039914	COQ10A	-0.84916	0.227166	0.000185	0.000457
ENSMUSG00000044763	TRMT10C	0.329229	0.088077	0.000186	0.000457
ENSMUSG00000074247	DDA1	0.320085	0.085637	0.000186	0.000457
ENSMUSG00000020196	CABIN1	-0.32217	0.086204	0.000186	0.000458
ENSMUSG00000024659	ANXA1	0.813415	0.217658	0.000186	0.000458
ENSMUSG00000032998	FOXJ3	0.355844	0.095222	0.000186	0.000458
ENSMUSG00000038302	AFG1L	-0.61376	0.164274	0.000187	0.00046
ENSMUSG00000049521	CDC42EP1	0.312213	0.083575	0.000187	0.000461
ENSMUSG00000031730	DHODH	-0.53164	0.142349	0.000188	0.000462
ENSMUSG00000048186	BEND7	-0.47441	0.127026	0.000188	0.000462
ENSMUSG00000026388	3110009E18RII	0.79553	0.213063	0.000189	0.000464
ENSMUSG00000081965	GM11620	1.254828	0.336127	0.000189	0.000465
ENSMUSG00000029291	RUFY3	0.330131	0.08845	0.00019	0.000466
ENSMUSG00000081123	ENSMUSG000C	-2.6838	0.719075	0.00019	0.000467
ENSMUSG00000030082	SEC61A1	0.383424	0.102755	0.00019	0.000468
ENSMUSG00000025034	TRIM8	0.310395	0.083211	0.000191	0.00047
ENSMUSG00000025246	TBL1X	-0.3095	0.082994	0.000192	0.000472
ENSMUSG00000006464	BBS1	-0.51268	0.137515	0.000193	0.000474
ENSMUSG00000036098	MYRF	-1.27567	0.342211	0.000193	0.000475
ENSMUSG00000039018	MTG1	0.379381	0.101774	0.000193	0.000475
ENSMUSG00000044060	ENSMUSG000C	-0.91561	0.245666	0.000194	0.000476
ENSMUSG00000020461	CLHC1	2.038616	0.547164	0.000195	0.000478
ENSMUSG00000066952	MYO1H	1.898125	0.509493	0.000195	0.000479
ENSMUSG00000025178	PI4K2A	0.51459	0.138134	0.000195	0.000479
ENSMUSG00000007097	ATP1A2	-0.80461	0.216	0.000195	0.000479
ENSMUSG00000044857	LEMD2	0.316986	0.085098	0.000195	0.00048
ENSMUSG00000039831	ARHGAP29	-0.47893	0.128575	0.000195	0.00048
ENSMUSG00000000386	MX1	1.330188	0.357119	0.000195	0.00048
ENSMUSG00000049872	CALHM5	0.617189	0.165708	0.000196	0.00048
ENSMUSG00000083830	GM8839	-2.15804	0.579428	0.000196	0.00048
ENSMUSG00000045954	CAVIN2	-1.62835	0.437287	0.000196	0.000481
ENSMUSG00000019428	FKBP8	0.306919	0.082424	0.000196	0.000482
ENSMUSG00000025745	HADHA	-0.41868	0.112445	0.000197	0.000482
ENSMUSG00000083964	GM14122	-2.16577	0.581897	0.000198	0.000485

ENSMUSG00000041219	ARHGAP11A	1.18708	0.318957	0.000198	0.000485
ENSMUSG00000029557	MRM2	-0.8068	0.216786	0.000198	0.000485
ENSMUSG00000056836	GM6851	4.652694	1.250218	0.000198	0.000485
ENSMUSG00000044791	SETD2	0.378116	0.101633	0.000199	0.000487
ENSMUSG00000030292	SMCO2	-1.71095	0.459932	0.000199	0.000488
ENSMUSG00000039585	MYO9A	0.649197	0.174544	0.0002	0.000489
ENSMUSG00000003227	EDAR	-1.08315	0.291242	0.0002	0.00049
ENSMUSG00000005936	KCTD20	0.336156	0.090395	0.0002	0.00049
ENSMUSG000000104549	GM43142	2.494167	0.671013	0.000202	0.000494
ENSMUSG00000025017	PIK3AP1	1.019612	0.274325	0.000202	0.000494
ENSMUSG00000022218	TGM1	1.577405	0.424414	0.000202	0.000494
ENSMUSG00000066363	SERPINA3F	2.962599	0.797254	0.000202	0.000495
ENSMUSG00000025466	FUOM	0.459164	0.12358	0.000203	0.000496
ENSMUSG00000028776	TINAGL1	0.913176	0.245775	0.000203	0.000496
ENSMUSG00000074065	GM10617	1.777952	0.478604	0.000203	0.000497
ENSMUSG00000010342	TEX14	1.598321	0.430409	0.000204	0.0005
ENSMUSG00000038014	FAM120A	-0.30845	0.083062	0.000204	0.0005
ENSMUSG00000038102	TRAPPC11	-0.39203	0.105576	0.000205	0.0005
ENSMUSG00000070891	GM12689	1.244507	0.33516	0.000205	0.0005
ENSMUSG00000040828	CATSPERD	1.721252	0.463592	0.000205	0.000501
ENSMUSG00000025133	INTS4	0.563936	0.151915	0.000205	0.000502
ENSMUSG00000045281	GPR20	-1.55305	0.418384	0.000206	0.000503
ENSMUSG00000028062	LAMTOR2	0.55457	0.149423	0.000206	0.000504
ENSMUSG00000060913	TRIM55	-0.55785	0.150317	0.000206	0.000504
ENSMUSG00000020357	FLT4	-0.36682	0.098859	0.000207	0.000505
ENSMUSG00000029552	TES	0.78104	0.210492	0.000207	0.000505
ENSMUSG00000078862	GM14326	-0.39549	0.106594	0.000207	0.000506
ENSMUSG00000099583	HIST1H3D	1.061545	0.28616	0.000208	0.000507
ENSMUSG00000055917	ZFP277	0.353433	0.095288	0.000208	0.000508
ENSMUSG00000039578	CCSER1	-1.08114	0.291551	0.000209	0.000509
ENSMUSG00000079003	SAMD1	-0.37821	0.102003	0.000209	0.00051
ENSMUSG00000078350	SMIM1	-0.97554	0.263156	0.00021	0.000512
ENSMUSG00000037072	SELENOF	0.439943	0.118696	0.00021	0.000513
ENSMUSG00000082187	GM13670	2.091363	0.564263	0.00021	0.000513
ENSMUSG00000093392	GM6061	3.391871	0.915192	0.00021	0.000513
ENSMUSG00000032503	ARPP21	-1.00917	0.272303	0.00021	0.000513
ENSMUSG00000064284	CDPF1	0.357157	0.096376	0.000211	0.000514
ENSMUSG00000003382	ETV3	0.352408	0.095099	0.000211	0.000514
ENSMUSG00000070643	SOX13	-0.61579	0.1662	0.000211	0.000515
ENSMUSG00000016528	MAPKAPK2	0.314771	0.084966	0.000212	0.000516
ENSMUSG00000027487	CDK5RAP1	-0.80047	0.216095	0.000212	0.000517
ENSMUSG00000055172	C1RA	-0.60051	0.162116	0.000212	0.000517
ENSMUSG00000020929	EFTUD2	0.440532	0.118939	0.000212	0.000517
ENSMUSG00000024800	RPP30	0.556707	0.150315	0.000213	0.000518
ENSMUSG00000071478	HIST1H2AD	2.217041	0.598638	0.000213	0.000518
ENSMUSG00000062234	GAK	0.432291	0.11677	0.000214	0.000521
ENSMUSG00000020265	SUMO3	-0.34181	0.092347	0.000214	0.000522
ENSMUSG00000020321	MDH1	-0.40332	0.108967	0.000214	0.000522
ENSMUSG00000034987	HRH2	0.851969	0.230207	0.000215	0.000523
ENSMUSG00000019320	NOXO1	1.026463	0.27737	0.000215	0.000523

ENSMUSG00000046006	GAPT	1.356325	0.366551	0.000215	0.000524
ENSMUSG00000051397	TACSTD2	2.444986	0.66079	0.000216	0.000524
ENSMUSG00000002608	CCDC97	-0.34529	0.093328	0.000216	0.000525
ENSMUSG00000021427	SSR1	0.305557	0.082614	0.000217	0.000527
ENSMUSG00000016481	CR1L	-0.32135	0.086893	0.000217	0.000528
ENSMUSG00000035064	EEF2K	-0.84523	0.228562	0.000217	0.000528
ENSMUSG00000054942	MIGA1	-0.32842	0.088839	0.000218	0.000531
ENSMUSG00000021156	ZMYND11	-0.31227	0.084473	0.000218	0.000531
ENSMUSG00000034484	SNX2	0.320539	0.086711	0.000218	0.000531
ENSMUSG00000027002	NCKAP1	0.324328	0.087746	0.000219	0.000532
ENSMUSG00000045005	FZD5	0.458523	0.124054	0.000219	0.000532
ENSMUSG00000025810	NRP1	-0.87365	0.23647	0.00022	0.000535
ENSMUSG00000014313	COX6C	0.427685	0.115809	0.000222	0.000538
ENSMUSG00000027859	NGF	0.898006	0.243171	0.000222	0.000539
ENSMUSG00000000275	TRIM25	-0.31574	0.085505	0.000222	0.000539
ENSMUSG00000089942	PIRA2	3.91268	1.059962	0.000223	0.000542
ENSMUSG00000062761	ZFP512	-0.4234	0.114712	0.000223	0.000543
ENSMUSG00000004885	CRABP2	2.24404	0.608363	0.000225	0.000547
ENSMUSG00000022255	MTDH	0.608212	0.164886	0.000225	0.000547
ENSMUSG00000078451	PPIL6	-1.24356	0.337143	0.000226	0.000547
ENSMUSG00000015542	NAT9	0.537802	0.145821	0.000226	0.000548
ENSMUSG00000024393	PRRC2A	0.720845	0.195474	0.000226	0.000549
ENSMUSG00000036655	COLEC11	-1.3275	0.359992	0.000226	0.000549
ENSMUSG00000035248	TUT7	0.352858	0.095711	0.000227	0.000551
ENSMUSG00000045211	NUDT18	1.104509	0.299655	0.000228	0.000553
ENSMUSG00000048489	DEPP1	1.141466	0.309693	0.000228	0.000553
ENSMUSG00000071551	AKR1C19	-2.86362	0.777072	0.000229	0.000554
ENSMUSG00000020774	ASPA	-0.82898	0.224982	0.000229	0.000555
ENSMUSG00000094690	1600014C23RII	1.19929	0.325565	0.00023	0.000557
ENSMUSG00000039760	IL22RA2	1.968602	0.534424	0.00023	0.000557
ENSMUSG00000085232	GM11962	1.874391	0.508882	0.00023	0.000558
ENSMUSG00000047976	KCNA1	-1.23565	0.335494	0.00023	0.000558
ENSMUSG00000036526	CARD11	1.50894	0.409811	0.000231	0.000561
ENSMUSG00000034165	CCND3	-0.33481	0.09096	0.000232	0.000563
ENSMUSG00000041343	ANKRD42	0.774017	0.210285	0.000233	0.000563
ENSMUSG00000045362	TNFRSF26	0.784096	0.213034	0.000233	0.000563
ENSMUSG00000098900	GM18190	-1.0906	0.296386	0.000234	0.000565
ENSMUSG00000035992	FNIP1	-0.35857	0.097476	0.000235	0.000568
ENSMUSG00000039653	BAAT	1.455582	0.3957	0.000235	0.000568
ENSMUSG00000034912	MDGA2	-1.05206	0.286042	0.000235	0.000569
ENSMUSG00000029047	PEX10	-0.82224	0.223573	0.000235	0.000569
ENSMUSG00000056671	PRELID2	-0.83677	0.227524	0.000235	0.000569
ENSMUSG00000027071	P2RX3	0.791947	0.215344	0.000235	0.00057
ENSMUSG00000046351	ZFP322A	0.938352	0.255175	0.000236	0.00057
ENSMUSG00000055817	MTA3	-0.37577	0.1022	0.000236	0.000571
ENSMUSG00000030188	MAGOHB	0.551914	0.15014	0.000237	0.000573
ENSMUSG00000034445	CYB561A3	-0.58846	0.160082	0.000237	0.000573
ENSMUSG00000039616	MOCOS	-0.64694	0.176	0.000237	0.000573
ENSMUSG00000048772	TMEM53	0.342976	0.093318	0.000238	0.000574
ENSMUSG00000041939	MVK	0.449425	0.122283	0.000238	0.000574

ENSMUSG00000051671	COA6	0.360286	0.098038	0.000238	0.000575
ENSMUSG00000048497	MMGT2	-0.85358	0.232275	0.000238	0.000575
ENSMUSG00000025532	CRCP	0.431321	0.117383	0.000238	0.000576
ENSMUSG00000032735	ABLM3	-0.30467	0.08293	0.000239	0.000577
ENSMUSG00000039205	CIZ1	-0.42803	0.116543	0.00024	0.00058
ENSMUSG00000020863	LUC7L3	0.410684	0.111868	0.000241	0.000583
ENSMUSG00000031314	TAF1	0.365032	0.099451	0.000242	0.000585
ENSMUSG00000026568	MPC2	0.426718	0.116267	0.000242	0.000585
ENSMUSG00000037606	OSBPL5	0.512522	0.13971	0.000244	0.000589
ENSMUSG00000024387	CSNK2B	0.534793	0.145861	0.000246	0.000594
ENSMUSG00000028832	STMN1	0.382728	0.104399	0.000246	0.000594
ENSMUSG00000069540	GM4925	1.044674	0.28502	0.000247	0.000596
ENSMUSG00000058881	ZFP516	-0.36873	0.100602	0.000247	0.000596
ENSMUSG00000063535	ZFP773	0.631976	0.17243	0.000247	0.000596
ENSMUSG00000034709	PPP1R21	0.51331	0.140064	0.000248	0.000597
ENSMUSG00000026778	PRKCQ	-0.63779	0.174084	0.000249	0.0006
ENSMUSG00000089665	FCOR	2.135697	0.58303	0.000249	0.000601
ENSMUSG00000039680	MRPS6	0.446992	0.122044	0.00025	0.000602
ENSMUSG00000031781	CIAPIN1	0.318557	0.086993	0.00025	0.000604
ENSMUSG00000020744	SLC25A19	-0.68413	0.18685	0.000251	0.000605
ENSMUSG00000047098	RNF31	-0.44066	0.120362	0.000251	0.000605
ENSMUSG00000046719	NXPH3	1.804009	0.492888	0.000252	0.000607
ENSMUSG00000025724	SEC11A	0.340068	0.092915	0.000252	0.000608
ENSMUSG00000026755	ARPC5L	0.397058	0.108486	0.000252	0.000608
ENSMUSG00000011171	VIPR2	-1.67631	0.458052	0.000253	0.000608
ENSMUSG00000024871	DOC2G	-0.60359	0.164962	0.000253	0.00061
ENSMUSG00000040822	1700123O20RI	0.390555	0.106745	0.000253	0.00061
ENSMUSG00000022582	LY6G	1.831439	0.500592	0.000254	0.000611
ENSMUSG00000014633	CMC2	0.632213	0.172841	0.000254	0.000612
ENSMUSG00000040852	PLEKHH2	-1.08835	0.297552	0.000255	0.000613
ENSMUSG00000026315	SERPINB8	0.980393	0.268103	0.000255	0.000615
ENSMUSG00000020601	TRIB2	-0.44183	0.120846	0.000256	0.000616
ENSMUSG00000036940	KDM1A	0.474468	0.129774	0.000256	0.000616
ENSMUSG00000052369	TMEM106C	0.642571	0.175804	0.000257	0.000619
ENSMUSG00000032369	PLSCR1	1.945494	0.532459	0.000258	0.000621
ENSMUSG00000033960	JCAD	-0.4384	0.120025	0.00026	0.000624
ENSMUSG00000033157	ABHD10	-0.45882	0.125624	0.00026	0.000625
ENSMUSG00000028189	CTBS	-0.48769	0.133532	0.00026	0.000625
ENSMUSG00000042050	WDR60	-0.64193	0.175805	0.000261	0.000627
ENSMUSG00000055653	GPC3	-0.83883	0.229731	0.000261	0.000627
ENSMUSG00000064247	PLCXD1	0.818074	0.224074	0.000261	0.000628
ENSMUSG00000040147	MAOB	-1.288	0.352861	0.000262	0.00063
ENSMUSG00000068748	PTPRZ1	-1.59033	0.435723	0.000262	0.00063
ENSMUSG00000029036	ATAD3A	0.316271	0.086668	0.000263	0.000632
ENSMUSG00000022525	HRASLS	-0.52047	0.142655	0.000264	0.000634
ENSMUSG00000014294	NDUFA2	0.52313	0.143388	0.000264	0.000634
ENSMUSG00000038421	FCRLA	1.706359	0.467738	0.000264	0.000634
ENSMUSG00000019841	REV3L	0.39355	0.107893	0.000265	0.000635
ENSMUSG00000027602	MAP1LC3A	0.406769	0.111545	0.000266	0.000638
ENSMUSG00000053604	RPIA	-0.38098	0.104499	0.000267	0.00064

ENSMUSG00000035027	MAP2K2	0.3586	0.098376	0.000267	0.000641
ENSMUSG00000053279	ALDH1A1	-0.82072	0.225178	0.000268	0.000642
ENSMUSG00000099591	GM17969	2.429818	0.666775	0.000268	0.000643
ENSMUSG000000109509	RPS12-PS4	2.01193	0.552126	0.000268	0.000644
ENSMUSG00000030894	TPP1	-0.36686	0.10068	0.000269	0.000644
ENSMUSG00000038780	SMURF1	0.308254	0.084603	0.000269	0.000645
ENSMUSG00000051498	TLR6	1.114873	0.306067	0.00027	0.000647
ENSMUSG00000062040	ZFP27	-0.38122	0.104666	0.00027	0.000648
ENSMUSG00000027939	NUP210L	0.920658	0.252828	0.000271	0.00065
ENSMUSG00000027339	RASSF2	0.377175	0.103588	0.000271	0.00065
ENSMUSG00000035530	EIF1	0.429636	0.117998	0.000272	0.00065
ENSMUSG00000026313	HDAC4	-0.45962	0.126235	0.000272	0.000651
ENSMUSG00000040687	MADD	-0.43864	0.120496	0.000272	0.000652
ENSMUSG00000047789	SLC38A9	-0.35255	0.096884	0.000274	0.000656
ENSMUSG00000014748	TEX261	-0.30665	0.084275	0.000274	0.000656
ENSMUSG00000034518	HMGXB4	0.539102	0.148166	0.000274	0.000656
ENSMUSG00000034064	POGLUT1	0.418159	0.114931	0.000274	0.000657
ENSMUSG000000102742	PCDHGA11	-0.61725	0.169658	0.000275	0.000657
ENSMUSG00000027848	OLFML3	0.60017	0.164966	0.000275	0.000657
ENSMUSG00000036959	BCORL1	-0.88718	0.243914	0.000276	0.000659
ENSMUSG00000030468	SIGLECG	1.134468	0.312017	0.000277	0.000663
ENSMUSG00000029722	AGFG2	-0.4167	0.114617	0.000277	0.000663
ENSMUSG00000025731	METTL26	0.56122	0.15437	0.000277	0.000663
ENSMUSG00000044636	CSRNP2	-0.45116	0.124101	0.000278	0.000664
ENSMUSG00000030433	SBK2	-1.58349	0.435668	0.000278	0.000665
ENSMUSG00000055319	SEC23IP	0.320146	0.088082	0.000278	0.000665
ENSMUSG00000074886	GRK6	0.333425	0.091736	0.000278	0.000665
ENSMUSG00000038503	MESD	-0.366	0.100722	0.000279	0.000668
ENSMUSG00000019528	GYG	0.304988	0.083938	0.00028	0.000668
ENSMUSG00000032375	APH1B	-0.58985	0.162341	0.00028	0.000668
ENSMUSG00000030079	RUVBL1	-0.38147	0.104993	0.00028	0.000668
ENSMUSG00000040389	WDR47	-0.64217	0.176753	0.00028	0.000669
ENSMUSG00000054277	ARFGAP3	0.358548	0.098687	0.00028	0.000669
ENSMUSG00000017740	SLC12A5	-0.96082	0.264472	0.00028	0.000669
ENSMUSG00000092526	GM17907	1.62077	0.4463	0.000282	0.000673
ENSMUSG00000078765	U2AF1L4	0.33314	0.091765	0.000283	0.000676
ENSMUSG00000021773	COMTD1	0.77907	0.214616	0.000283	0.000676
ENSMUSG00000032394	IGDCC3	-2.05683	0.566685	0.000284	0.000677
ENSMUSG00000063296	TMEM117	-0.95686	0.263676	0.000285	0.000679
ENSMUSG00000027679	DNAJC19	0.322473	0.088868	0.000285	0.00068
ENSMUSG00000069743	ZFP820	-0.89462	0.246611	0.000286	0.000682
ENSMUSG00000035392	DENND1A	-0.39882	0.10994	0.000286	0.000682
ENSMUSG00000083649	RASL2-9	0.812188	0.223892	0.000286	0.000682
ENSMUSG00000039842	MCPH1	-0.55973	0.154324	0.000287	0.000684
ENSMUSG00000018547	PIP4K2B	-0.44687	0.12322	0.000287	0.000685
ENSMUSG00000025937	LACTB2	0.492446	0.135794	0.000287	0.000685
ENSMUSG00000054823	NSD3	0.332502	0.091689	0.000287	0.000685
ENSMUSG00000025492	IFITM3	0.807702	0.222794	0.000289	0.000688
ENSMUSG00000034738	NOSTRIN	-0.51499	0.14208	0.000289	0.000689
ENSMUSG00000064264	ZFP428	-0.50837	0.140266	0.00029	0.00069

ENSMUSG00000065947	MT-ND4L	-0.72338	0.199611	0.00029	0.000691
ENSMUSG00000024962	VEGFB	-0.36717	0.101328	0.000291	0.000692
ENSMUSG00000025094	SLC18A2	-0.70719	0.195187	0.000291	0.000693
ENSMUSG00000040706	AGMAT	-1.15237	0.318057	0.000291	0.000693
ENSMUSG00000039523	CEP104	-0.32505	0.089724	0.000291	0.000694
ENSMUSG00000110764	ENSMUSG0000C	-1.27005	0.350619	0.000292	0.000695
ENSMUSG00000103088	PCDHGB6	-0.59635	0.164663	0.000293	0.000697
ENSMUSG00000030972	ACSM5	-2.00656	0.554268	0.000294	0.000701
ENSMUSG00000028712	CYP4A31	-1.52952	0.422687	0.000296	0.000705
ENSMUSG00000051234	RNF7	0.353208	0.097623	0.000297	0.000706
ENSMUSG00000092216	GM19345	1.967316	0.543754	0.000297	0.000706
ENSMUSG00000017009	SDC4	1.129394	0.312179	0.000297	0.000707
ENSMUSG00000020821	KIF1C	-0.33724	0.093232	0.000298	0.000708
ENSMUSG00000046790	OLFR1341	1.711936	0.473288	0.000298	0.000708
ENSMUSG00000051499	ZFP786	-1.20135	0.332138	0.000298	0.000708
ENSMUSG00000091366	GM17040	1.162359	0.321361	0.000298	0.000708
ENSMUSG00000008129	4930432K21RII	1.102094	0.304716	0.000298	0.000709
ENSMUSG00000050310	RICTOR	0.320629	0.088654	0.000298	0.000709
ENSMUSG00000091337	EID1	0.300615	0.083123	0.000299	0.000709
ENSMUSG00000041035	GM17018	0.64538	0.178489	0.000299	0.000711
ENSMUSG00000024806	MLANA	1.743988	0.482451	0.000301	0.000714
ENSMUSG00000026213	STK11IP	0.47327	0.130941	0.000301	0.000715
ENSMUSG00000046873	MBTPS2	0.412129	0.114025	0.000301	0.000715
ENSMUSG00000037089	SLC35B2	0.446207	0.123482	0.000302	0.000717
ENSMUSG00000017550	ATAD5	1.171787	0.32437	0.000303	0.00072
ENSMUSG00000024120	LRPPRC	-0.48438	0.13413	0.000305	0.000723
ENSMUSG00000055436	SRSF11	0.308573	0.085454	0.000305	0.000724
ENSMUSG00000082895	RPSA-PS9	1.73396	0.480195	0.000305	0.000724
ENSMUSG00000031513	LEPROTL1	0.312483	0.086539	0.000305	0.000724
ENSMUSG00000025969	NRP2	-0.39534	0.10951	0.000306	0.000726
ENSMUSG00000052551	ADARB2	0.673241	0.186533	0.000307	0.000728
ENSMUSG00000036499	EEA1	0.298677	0.082756	0.000307	0.000729
ENSMUSG00000020286	1700093K21RII	1.994491	0.552674	0.000308	0.000729
ENSMUSG00000005871	APC	0.342539	0.09493	0.000308	0.000731
ENSMUSG00000010476	EBF3	-0.67801	0.187927	0.000309	0.000732
ENSMUSG00000074582	ARFGEF2	0.352993	0.097862	0.00031	0.000734
ENSMUSG00000024384	IWS1	0.373785	0.103628	0.00031	0.000734
ENSMUSG00000030613	CCDC90B	-0.31027	0.086025	0.00031	0.000735
ENSMUSG00000022235	CMBL	-0.78453	0.217541	0.000311	0.000736
ENSMUSG00000001507	ITGA3	0.442439	0.122687	0.000311	0.000736
ENSMUSG00000031246	SH3BGRL	0.39192	0.108699	0.000312	0.000738
ENSMUSG00000022906	PARP9	-0.48747	0.135207	0.000312	0.000738
ENSMUSG00000032180	TMED1	-0.43834	0.121583	0.000312	0.000738
ENSMUSG00000028549	ITGB3BP	0.523554	0.145225	0.000312	0.000739
ENSMUSG00000033268	DUOX1	-1.62197	0.449961	0.000313	0.00074
ENSMUSG00000005949	CTNS	-0.52297	0.145175	0.000315	0.000747
ENSMUSG00000040183	ANKRD6	-0.61029	0.169422	0.000316	0.000747
ENSMUSG00000079144	A130010J15RIH	-0.84993	0.235948	0.000316	0.000747
ENSMUSG00000098650	GM28048	1.057421	0.293611	0.000316	0.000749
ENSMUSG00000004791	PGF	1.869341	0.519122	0.000317	0.00075

ENSMUSG00000014498	ANKRD52	-0.30755	0.08542	0.000318	0.000751
ENSMUSG00000023051	TARBP2	-0.3267	0.090767	0.000319	0.000754
ENSMUSG00000027860	VANGL1	-0.77077	0.214146	0.000319	0.000755
ENSMUSG00000009207	LNPK	0.444617	0.123534	0.000319	0.000755
ENSMUSG00000084817	GM5526	1.960962	0.544866	0.000319	0.000755
ENSMUSG00000046085	4931422A03RI	-1.98379	0.551239	0.00032	0.000756
ENSMUSG00000053134	SUPT7L	-0.37012	0.102848	0.00032	0.000756
ENSMUSG00000005683	CS	-0.44404	0.123393	0.00032	0.000756
ENSMUSG00000026698	PIGC	-0.45441	0.126279	0.00032	0.000756
ENSMUSG00000029388	EIF2B1	0.387991	0.107834	0.000321	0.000757
ENSMUSG00000020589	FAM49A	-0.43806	0.121786	0.000322	0.00076
ENSMUSG00000028645	SLC2A1	1.099639	0.305723	0.000322	0.000761
ENSMUSG00000020899	PFAS	-0.4682	0.130178	0.000322	0.000761
ENSMUSG00000044726	ERICH5	2.067698	0.575165	0.000324	0.000766
ENSMUSG00000017858	IFT52	-0.4009	0.111523	0.000325	0.000767
ENSMUSG00000038384	SETD1B	-0.79032	0.219875	0.000325	0.000767
ENSMUSG00000004609	CD33	0.876963	0.24404	0.000326	0.00077
ENSMUSG00000043881	KBTBD7	-0.45982	0.127988	0.000327	0.000773
ENSMUSG00000006024	NAPA	0.472009	0.131391	0.000328	0.000773
ENSMUSG00000003545	FOSB	1.98183	0.551711	0.000328	0.000774
ENSMUSG00000063884	PTCD3	0.541098	0.150658	0.000329	0.000775
ENSMUSG00000048078	TENM4	-1.62521	0.452604	0.00033	0.000778
ENSMUSG00000036570	FXVD1	0.403489	0.11237	0.00033	0.000778
ENSMUSG00000024127	PREPL	-0.49943	0.139096	0.00033	0.000778
ENSMUSG00000015668	PDZD11	0.329578	0.0918	0.00033	0.000779
ENSMUSG00000021224	NUMB	-0.52964	0.147537	0.000331	0.00078
ENSMUSG00000030058	COPG1	0.332119	0.092521	0.000331	0.00078
ENSMUSG000000096257	CCER2	2.087339	0.581574	0.000332	0.000782
ENSMUSG00000014686	CEACAM16	2.91991	0.813636	0.000332	0.000783
ENSMUSG00000033632	AW554918	-0.53147	0.148098	0.000332	0.000783
ENSMUSG00000017716	BIRC5	1.754792	0.489018	0.000333	0.000784
ENSMUSG00000027547	SALL4	-0.95395	0.265843	0.000333	0.000784
ENSMUSG00000039013	SIGLECF	2.723424	0.759308	0.000335	0.000789
ENSMUSG00000063388	BC023105	-2.34682	0.654367	0.000335	0.000789
ENSMUSG00000032615	NT5M	-0.33344	0.092993	0.000336	0.000792
ENSMUSG00000020385	CLK4	0.323796	0.090367	0.000339	0.000799
ENSMUSG00000018042	CYB5R3	0.865485	0.241576	0.00034	0.000801
ENSMUSG00000018474	CHD3	-0.40725	0.113701	0.000341	0.000803
ENSMUSG00000047910	PCDHB16	-0.73895	0.206311	0.000341	0.000803
ENSMUSG00000004264	PHB2	0.418475	0.116839	0.000341	0.000803
ENSMUSG00000002308	CD320	0.474488	0.132506	0.000342	0.000806
ENSMUSG00000034278	DNAJC17	0.487975	0.136317	0.000344	0.000809
ENSMUSG00000098678	MROH6	-1.76073	0.491954	0.000345	0.000811
ENSMUSG00000024366	GFRA3	-1.16866	0.326577	0.000346	0.000813
ENSMUSG00000038520	TBC1D17	0.355519	0.099352	0.000346	0.000813
ENSMUSG00000039252	LGI2	-1.40117	0.391613	0.000346	0.000814
ENSMUSG000000106455	GM5711	-1.70184	0.475655	0.000346	0.000814
ENSMUSG00000038342	MLXIP	-0.31856	0.089055	0.000347	0.000816
ENSMUSG00000034006	PQLC1	-0.50565	0.141379	0.000348	0.000818
ENSMUSG000000101972	HIST1H3I	1.812731	0.50706	0.00035	0.000823

ENSMUSG00000047767	ATG16L2	-0.49978	0.139811	0.000351	0.000824
ENSMUSG00000094410	GM38394	-0.63495	0.177686	0.000352	0.000828
ENSMUSG00000031832	TAF1C	0.42948	0.120274	0.000356	0.000836
ENSMUSG00000024399	LTB	2.219682	0.621659	0.000356	0.000836
ENSMUSG00000003541	IER3	1.255596	0.351678	0.000357	0.000837
ENSMUSG00000002524	PUF60	0.29478	0.082578	0.000357	0.000839
ENSMUSG00000026158	OGFRL1	-0.36643	0.102666	0.000358	0.00084
ENSMUSG00000034190	CHMP7	0.294879	0.082618	0.000358	0.00084
ENSMUSG00000030680	PAGR1A	0.946216	0.26515	0.000359	0.000842
ENSMUSG00000046519	GOLPH3L	-0.71599	0.200648	0.000359	0.000843
ENSMUSG00000058656	SAMD12	-2.46059	0.689608	0.00036	0.000844
ENSMUSG00000049690	NCKAP5	-1.76618	0.495137	0.000361	0.000847
ENSMUSG00000039648	KYAT1	-0.55787	0.156425	0.000362	0.000849
ENSMUSG00000050777	TMEM37	-0.95273	0.267263	0.000364	0.000854
ENSMUSG00000011257	PABPC4	0.380847	0.106875	0.000366	0.000858
ENSMUSG00000027716	TRPC3	-0.95925	0.269241	0.000367	0.00086
ENSMUSG00000032047	ACAT1	-0.6373	0.178918	0.000368	0.000863
ENSMUSG00000026111	UNC50	0.34709	0.097452	0.000369	0.000864
ENSMUSG00000021892	SH3BP5	-0.31506	0.088465	0.000369	0.000864
ENSMUSG00000070331	QRICH2	2.199301	0.617807	0.000371	0.000869
ENSMUSG00000039678	TBC1D13	-0.63336	0.177935	0.000372	0.00087
ENSMUSG00000008307	1700109H08RI	0.960125	0.26975	0.000372	0.000871
ENSMUSG00000051279	GDF6	1.451467	0.40779	0.000372	0.000871
ENSMUSG00000092118	FANCF	0.712536	0.200222	0.000373	0.000873
ENSMUSG00000022575	GSDMD	0.411723	0.115707	0.000373	0.000874
ENSMUSG00000019139	ISYNA1	-0.70975	0.199478	0.000374	0.000875
ENSMUSG00000042121	SSH1	0.478415	0.134469	0.000374	0.000875
ENSMUSG00000072576	GM16020	2.306862	0.64844	0.000374	0.000876
ENSMUSG00000026547	TAGLN2	0.538959	0.151502	0.000374	0.000876
ENSMUSG00000020191	SPATA48	1.62504	0.456889	0.000375	0.000878
ENSMUSG00000030265	KRAS	0.37704	0.106038	0.000377	0.000882
ENSMUSG00000020546	STXBP4	-0.62245	0.175061	0.000377	0.000882
ENSMUSG00000026938	FCNA	-0.7482	0.210455	0.000378	0.000884
ENSMUSG00000061848	GM5805	1.179589	0.331818	0.000378	0.000884
ENSMUSG00000039568	UBALD1	-0.32957	0.092717	0.000379	0.000885
ENSMUSG00000039789	ZFP597	0.439097	0.12353	0.000379	0.000885
ENSMUSG00000046699	SLITRK4	-0.83301	0.234349	0.000379	0.000885
ENSMUSG00000029098	ACOX3	-0.31937	0.089852	0.000379	0.000885
ENSMUSG00000006476	NSMF	-0.48864	0.137502	0.00038	0.000888
ENSMUSG00000030237	SLCO1A4	-1.69969	0.478377	0.000381	0.00089
ENSMUSG00000033031	CIP2A	1.039589	0.292616	0.000381	0.000891
ENSMUSG00000035594	CHRNA5	-1.70392	0.479633	0.000382	0.000891
ENSMUSG00000024429	GNL1	0.390519	0.109981	0.000384	0.000897
ENSMUSG00000014470	RNF166	-0.54741	0.154177	0.000384	0.000898
ENSMUSG00000091264	SMIM13	-0.30175	0.085001	0.000385	0.000899
ENSMUSG00000020427	IGFBP3	0.8355	0.235445	0.000387	0.000904
ENSMUSG00000070371	PRSS36	0.569959	0.160625	0.000388	0.000904
ENSMUSG00000103472	PCDHGA7	-0.6617	0.186489	0.000388	0.000905
ENSMUSG00000002617	ZFP40	-0.9869	0.278168	0.000388	0.000906
ENSMUSG00000078307	AI593442	-2.42908	0.684903	0.00039	0.00091

ENSMUSG00000032135	MCAM	0.674036	0.19006	0.00039	0.000911
ENSMUSG00000018830	MYH11	-1.33959	0.377842	0.000392	0.000914
ENSMUSG000000107283	MPV17	-0.43613	0.123012	0.000392	0.000914
ENSMUSG00000020349	PPP2CA	0.292137	0.082405	0.000392	0.000915
ENSMUSG00000074215	GM10643	0.866226	0.244401	0.000394	0.000918
ENSMUSG00000039530	TUSC3	-0.42937	0.121145	0.000394	0.000918
ENSMUSG00000040820	HLCS	-0.40561	0.114448	0.000394	0.000918
ENSMUSG00000026675	HSD17B7	0.510013	0.143911	0.000394	0.000918
ENSMUSG00000022144	GDNF	1.747018	0.492978	0.000394	0.000919
ENSMUSG00000041115	IQSEC2	-0.59525	0.167983	0.000395	0.00092
ENSMUSG00000023992	TREM2	2.019669	0.569998	0.000395	0.00092
ENSMUSG00000060275	NRG2	-1.74834	0.493481	0.000396	0.000922
ENSMUSG00000030795	FUS	0.298883	0.084391	0.000398	0.000926
ENSMUSG00000041567	SERPINA12	-1.71495	0.484286	0.000398	0.000927
ENSMUSG00000064308	2410137M14R	-1.97003	0.556339	0.000399	0.000928
ENSMUSG00000031994	ADAMTS8	1.771359	0.500267	0.000399	0.000928
ENSMUSG00000034432	COPS8	0.326291	0.092171	0.0004	0.000931
ENSMUSG00000054074	SKIDA1	-0.89051	0.251623	0.000402	0.000934
ENSMUSG00000025545	CLYBL	0.373934	0.105661	0.000402	0.000934
ENSMUSG00000082724	GM14416	-1.40687	0.397645	0.000403	0.000938
ENSMUSG00000096197	4930555G01RI	2.319452	0.655611	0.000403	0.000938
ENSMUSG00000035407	KANK4	-1.50439	0.425339	0.000405	0.000941
ENSMUSG00000036061	SMUG1	-0.36483	0.10315	0.000405	0.000942
ENSMUSG00000029577	UBE3B	0.296649	0.083879	0.000405	0.000942
ENSMUSG00000030020	PRICKLE2	-0.45404	0.128386	0.000405	0.000942
ENSMUSG00000032702	KANK1	-0.31242	0.088355	0.000406	0.000944
ENSMUSG00000022621	RABL2	-0.7937	0.224469	0.000406	0.000944
ENSMUSG00000026875	TRAF1	1.008697	0.285301	0.000407	0.000946
ENSMUSG00000020576	NBAS	-0.40491	0.114562	0.000409	0.000949
ENSMUSG00000026135	ZFP142	-0.43676	0.123595	0.00041	0.000951
ENSMUSG00000029439	SFSWAP	0.357659	0.101233	0.000411	0.000954
ENSMUSG00000039519	CYP7B1	1.10467	0.312675	0.000411	0.000954
ENSMUSG00000000439	MKRN2	-0.37808	0.107038	0.000412	0.000957
ENSMUSG00000071648	ROM1	-0.33625	0.095198	0.000412	0.000957
ENSMUSG00000005078	JKAMP	-0.40953	0.115986	0.000414	0.000962
ENSMUSG00000018381	ABI3	0.421893	0.119497	0.000415	0.000962
ENSMUSG00000046111	CEP295	-0.49301	0.13966	0.000415	0.000964
ENSMUSG00000037278	TMEM97	0.487018	0.137967	0.000416	0.000964
ENSMUSG00000054072	IIGP1	-1.15575	0.327462	0.000416	0.000966
ENSMUSG00000032436	CMTM7	0.389411	0.110374	0.000419	0.000971
ENSMUSG00000042348	ARL15	-0.41701	0.118197	0.000419	0.000971
ENSMUSG00000050071	BEX1	-1.51722	0.430076	0.000419	0.000971
ENSMUSG00000057176	CCDC189	-0.70151	0.198852	0.000419	0.000971
ENSMUSG00000031629	CENPU	1.305597	0.370117	0.000419	0.000972
ENSMUSG00000063455	D630045J12RIH	-0.73005	0.206975	0.00042	0.000973
ENSMUSG00000050856	ATP5K	0.413719	0.117321	0.000421	0.000976
ENSMUSG00000025016	TM9SF3	0.292019	0.082813	0.000421	0.000976
ENSMUSG00000074579	LEKR1	0.612438	0.173678	0.000421	0.000976
ENSMUSG00000048930	TADA3	-0.34499	0.097857	0.000423	0.000979
ENSMUSG00000021969	ZDHHC20	0.503983	0.142965	0.000423	0.00098

ENSMUSG000000107505	GM18009	-1.51249	0.429056	0.000423	0.00098
ENSMUSG00000079383	GM3298	-3.10255	0.880337	0.000425	0.000983
ENSMUSG00000025964	ADAM23	-0.88915	0.252321	0.000425	0.000985
ENSMUSG00000031483	ERLIN2	-0.43522	0.123531	0.000426	0.000987
ENSMUSG00000035126	WDR78	1.104962	0.313638	0.000427	0.000987
ENSMUSG000000109946	BRD3OS	-0.85464	0.242586	0.000427	0.000987
ENSMUSG00000044576	GAREM2	1.423225	0.404076	0.000428	0.00099
ENSMUSG00000024246	THUMPD2	-0.57592	0.163532	0.000429	0.000992
ENSMUSG00000020888	DVL2	-0.49743	0.141256	0.000429	0.000993
ENSMUSG00000021807	RTRAF	0.633242	0.179828	0.000429	0.000993
ENSMUSG00000022687	BOC	-0.76565	0.217427	0.000429	0.000993
ENSMUSG00000006057	ATP5G1	0.426979	0.121263	0.00043	0.000994
ENSMUSG00000028988	CTNNBIP1	0.328204	0.093217	0.00043	0.000994
ENSMUSG00000022814	UMPS	0.354395	0.100662	0.000431	0.000995
ENSMUSG00000027221	CHST1	0.963297	0.273655	0.000431	0.000997
ENSMUSG00000028064	SEMA4A	0.830446	0.235966	0.000433	0.001
ENSMUSG00000020387	JADE2	-0.31835	0.090461	0.000433	0.001
ENSMUSG00000038387	RRAS	0.344886	0.098014	0.000434	0.001002
ENSMUSG00000002210	SMG9	0.416951	0.118514	0.000435	0.001004
ENSMUSG00000036040	ADAMTSL2	-0.50494	0.143522	0.000434	0.001004
ENSMUSG00000047603	ZFP235	-0.61086	0.17364	0.000435	0.001004
ENSMUSG00000027438	NAPB	0.437755	0.12446	0.000436	0.001007
ENSMUSG00000050103	AGMO	-0.87409	0.248623	0.000439	0.001012
ENSMUSG00000034485	UACA	-0.29253	0.08321	0.000439	0.001013
ENSMUSG00000024193	PHF1	-0.36046	0.10254	0.000439	0.001014
ENSMUSG00000046959	SLC26A1	-1.18824	0.338018	0.000439	0.001014
ENSMUSG00000027006	DNAJC10	0.369229	0.105071	0.000441	0.001018
ENSMUSG00000023021	CERS5	-0.40142	0.114247	0.000442	0.00102
ENSMUSG00000094484	GM21244	0.590349	0.168021	0.000442	0.00102
ENSMUSG00000033965	SLC16A2	-0.73743	0.209936	0.000444	0.001023
ENSMUSG00000007216	ZFP775	-0.40899	0.116444	0.000444	0.001024
ENSMUSG00000021177	TDP1	0.464856	0.132369	0.000445	0.001026
ENSMUSG00000059208	HNRNPM	0.291755	0.083083	0.000445	0.001027
ENSMUSG00000036117	IL5	1.780559	0.50711	0.000446	0.001028
ENSMUSG00000047514	TSPYL1	0.290393	0.082719	0.000447	0.001031
ENSMUSG00000074923	PAK6	0.420287	0.119729	0.000448	0.001032
ENSMUSG00000016179	CAMK1G	-2.31802	0.660403	0.000448	0.001033
ENSMUSG00000024218	TAF11	0.316019	0.090042	0.000449	0.001034
ENSMUSG00000057329	BCL2	-0.415	0.118253	0.000449	0.001035
ENSMUSG000000101315	KRTAP28-13	1.674084	0.47719	0.000451	0.001039
ENSMUSG00000020659	CBLL1	0.555411	0.158319	0.000451	0.001039
ENSMUSG00000000244	TSPAN32	1.056376	0.30119	0.000453	0.001042
ENSMUSG00000038569	RAD9B	0.935923	0.266869	0.000453	0.001043
ENSMUSG00000026355	MCM6	1.032683	0.294523	0.000454	0.001046
ENSMUSG00000052752	TRAF7	0.322229	0.09191	0.000455	0.001047
ENSMUSG00000030759	FAR1	0.418903	0.119524	0.000457	0.001052
ENSMUSG00000045306	OLFR734	-1.05754	0.301767	0.000457	0.001053
ENSMUSG00000036667	TCAF1	-0.62457	0.178259	0.000459	0.001056
ENSMUSG00000059669	TAF1B	0.483234	0.138	0.000462	0.001064
ENSMUSG00000040112	MRPS35	-0.90247	0.257751	0.000463	0.001065

ENSMUSG00000050989	SELENON	-0.34876	0.099615	0.000463	0.001066
ENSMUSG00000080717	B230307C23RII	1.028808	0.293897	0.000464	0.001068
ENSMUSG00000053398	PHGDH	0.985894	0.281646	0.000464	0.001068
ENSMUSG00000028488	SH3GL2	-1.18577	0.338834	0.000466	0.001071
ENSMUSG00000040855	REPS2	-1.14292	0.32661	0.000466	0.001072
ENSMUSG00000040195	NEMP1	0.506629	0.144781	0.000467	0.001072
ENSMUSG00000021578	CCDC127	-0.37026	0.105819	0.000467	0.001073
ENSMUSG00000028268	GBP3	-0.98655	0.28198	0.000468	0.001075
ENSMUSG00000018666	CBX1	0.315746	0.090271	0.000469	0.001078
ENSMUSG00000046387	PCDHB17	-0.61513	0.175864	0.000469	0.001078
ENSMUSG00000026285	PDCD1	1.940046	0.554751	0.00047	0.00108
ENSMUSG00000062110	SCFD2	0.353614	0.101127	0.000471	0.001082
ENSMUSG00000030519	APBA2	-1.59935	0.457418	0.000471	0.001083
ENSMUSG00000042535	GTPBP1	-0.29822	0.085295	0.000472	0.001083
ENSMUSG00000073542	CEP76	-0.50148	0.143452	0.000473	0.001085
ENSMUSG00000006418	RNF114	-0.28929	0.082776	0.000474	0.001088
ENSMUSG00000028689	CCDC163	0.477691	0.136686	0.000474	0.001089
ENSMUSG00000078866	ZFP970	-0.81204	0.232358	0.000474	0.001089
ENSMUSG00000039316	RFTN1	-0.38248	0.109447	0.000475	0.001089
ENSMUSG00000030357	FKBP4	-0.90452	0.258868	0.000476	0.001091
ENSMUSG00000045795	WHAMM	0.356934	0.102167	0.000477	0.001093
ENSMUSG00000019699	AKT3	-0.67829	0.194185	0.000478	0.001095
ENSMUSG00000078640	GM11627	-0.87517	0.250588	0.000479	0.001098
ENSMUSG00000042447	MIOS	-0.327	0.093634	0.000479	0.001098
ENSMUSG00000038622	MED30	0.357206	0.102303	0.00048	0.001101
ENSMUSG00000028578	CAAP1	0.477899	0.136901	0.000482	0.001104
ENSMUSG00000044894	UQCRQ	0.47387	0.135753	0.000482	0.001104
ENSMUSG00000073436	EME2	0.409224	0.117242	0.000482	0.001105
ENSMUSG00000014551	MRPS25	0.369579	0.105891	0.000483	0.001106
ENSMUSG00000043110	LRRN4	-1.62723	0.466265	0.000483	0.001107
ENSMUSG00000073705	CENPS	0.883767	0.253267	0.000484	0.001109
ENSMUSG00000002068	CCNE1	0.887267	0.254329	0.000485	0.001112
ENSMUSG00000018697	AATF	0.522829	0.149877	0.000486	0.001113
ENSMUSG00000032235	ICE2	-0.69909	0.20041	0.000486	0.001113
ENSMUSG00000023046	IGFBP6	-0.64597	0.185251	0.000488	0.001118
ENSMUSG00000031295	PHKA2	0.471212	0.135136	0.000489	0.001118
ENSMUSG00000038766	GABPB2	-0.32519	0.093265	0.000489	0.001119
ENSMUSG00000032086	BACE1	-0.71586	0.205352	0.00049	0.001122
ENSMUSG00000022074	TNFRSF10B	0.585669	0.168034	0.000491	0.001124
ENSMUSG00000051682	TREML4	1.753644	0.503216	0.000492	0.001126
ENSMUSG00000054499	DEDD2	0.316174	0.090728	0.000492	0.001126
ENSMUSG00000048620	OLFR1336	-0.63432	0.182046	0.000493	0.001128
ENSMUSG00000021466	PTCH1	-0.43923	0.126061	0.000493	0.001128
ENSMUSG00000027840	WNT2B	-0.99311	0.285023	0.000493	0.001128
ENSMUSG00000111289	ENSMUSG000C	-1.04507	0.29995	0.000494	0.001129
ENSMUSG00000001642	AKR1B3	-0.47847	0.137361	0.000495	0.001132
ENSMUSG00000095074	GM3139	-1.69107	0.485513	0.000496	0.001133
ENSMUSG00000095954	GM3183	-1.69107	0.485513	0.000496	0.001133
ENSMUSG00000015340	CYBB	0.593954	0.170535	0.000496	0.001133
ENSMUSG00000022901	CD86	1.186904	0.340809	0.000497	0.001134

ENSMUSG00000038451	SPSB2	0.710087	0.203918	0.000497	0.001136
ENSMUSG000000109372	GM19410	-0.88765	0.254943	0.000498	0.001138
ENSMUSG000000068742	CRY2	-0.32449	0.093215	0.000499	0.001141
ENSMUSG000000041298	KATNAL1	0.617946	0.177564	0.000501	0.001144
ENSMUSG000000055430	NAP1L5	-1.54639	0.444409	0.000502	0.001146
ENSMUSG000000083538	GM16016	2.080576	0.597935	0.000502	0.001146
ENSMUSG000000025316	BANP	-0.51977	0.149482	0.000507	0.001157
ENSMUSG000000035818	PLEKHS1	1.549542	0.445752	0.000508	0.00116
ENSMUSG000000029569	TMEM168	0.534882	0.153899	0.00051	0.001163
ENSMUSG000000021690	JMY	-0.4527	0.13027	0.000511	0.001165
ENSMUSG000000069769	MSI2	0.445381	0.128231	0.000514	0.001173
ENSMUSG000000026895	NDUFA8	0.550291	0.158465	0.000515	0.001176
ENSMUSG000000036825	SSX2IP	-0.54122	0.155872	0.000516	0.001177
ENSMUSG000000049232	TIGD2	-0.35408	0.101975	0.000516	0.001177
ENSMUSG000000030268	BCAT1	1.025612	0.295407	0.000517	0.001178
ENSMUSG000000054065	PKP3	1.66926	0.480799	0.000517	0.001178
ENSMUSG000000069170	ADGRV1	0.873178	0.251498	0.000517	0.001178
ENSMUSG000000001014	ICAM4	-1.02133	0.294195	0.000517	0.001179
ENSMUSG000000020226	SLC5A4B	1.70406	0.491001	0.000519	0.001183
ENSMUSG000000043251	EXOC3L	-0.57226	0.164924	0.000521	0.001187
ENSMUSG000000038349	PLCL1	-0.66412	0.191404	0.000521	0.001187
ENSMUSG000000070031	SP140	0.697189	0.200971	0.000522	0.001189
ENSMUSG000000004631	SGCE	-0.54344	0.156661	0.000523	0.00119
ENSMUSG000000005846	RSL1D1	0.300772	0.086716	0.000523	0.001192
ENSMUSG000000075376	RC3H2	0.329748	0.095084	0.000524	0.001194
ENSMUSG000000057715	A830018L16RII	1.288782	0.371879	0.000529	0.001204
ENSMUSG000000038545	CUL7	-0.33024	0.095294	0.000529	0.001205
ENSMUSG000000069808	FAM57A	0.556116	0.160513	0.000531	0.001209
ENSMUSG000000052085	DOCK8	-0.67545	0.194978	0.000532	0.00121
ENSMUSG000000028132	TMEM56	-0.97753	0.282218	0.000533	0.001212
ENSMUSG000000105408	GM7285	0.891702	0.25746	0.000533	0.001213
ENSMUSG000000022799	ARHGAP31	-0.32096	0.092697	0.000535	0.001217
ENSMUSG000000020218	WIF1	-1.49916	0.433147	0.000538	0.001224
ENSMUSG000000030443	ZFP583	0.836415	0.241701	0.000539	0.001226
ENSMUSG000000023982	GUCA1A	1.617352	0.467375	0.000539	0.001226
ENSMUSG000000048833	SLC39A9	-0.30335	0.087678	0.00054	0.001229
ENSMUSG000000064065	IPCEF1	1.444983	0.417748	0.000542	0.001233
ENSMUSG000000046372	GM5590	1.007453	0.291268	0.000542	0.001233
ENSMUSG000000026343	GPR39	3.113549	0.900194	0.000543	0.001233
ENSMUSG000000040479	DGKZ	-0.4249	0.122867	0.000544	0.001236
ENSMUSG000000026766	MMADHC	0.284457	0.082265	0.000545	0.001237
ENSMUSG000000035234	ABRAXAS1	-0.36426	0.105391	0.000548	0.001244
ENSMUSG000000055489	ANO5	-2.1374	0.618445	0.000548	0.001245
ENSMUSG000000026173	PLCD4	0.815719	0.23603	0.000548	0.001245
ENSMUSG000000110446	GM18646	2.037409	0.589532	0.000548	0.001245
ENSMUSG000000083064	GM7785	1.736534	0.502536	0.000549	0.001247
ENSMUSG000000038781	STAP2	-0.48783	0.141193	0.00055	0.001249
ENSMUSG000000022750	KLHL22	-0.46596	0.134871	0.000551	0.00125
ENSMUSG000000035011	ZBTB7A	-0.31974	0.092571	0.000552	0.001253
ENSMUSG000000022971	IFNAR2	0.30593	0.088581	0.000553	0.001255

ENSMUSG00000037211	SPRY1	0.428429	0.124049	0.000553	0.001255
ENSMUSG00000015396	CD83	-0.64976	0.188203	0.000555	0.00126
ENSMUSG00000029416	SLC15A4	0.564834	0.163615	0.000556	0.001261
ENSMUSG00000041147	BRCA2	0.639855	0.185375	0.000557	0.001264
ENSMUSG00000042985	UPK3B	-1.35346	0.39218	0.000558	0.001266
ENSMUSG00000060530	A930017M01R	-2.22006	0.643389	0.000559	0.001268
ENSMUSG00000031754	NUDT21	0.383844	0.111249	0.00056	0.001269
ENSMUSG00000068206	PICK1	-0.42917	0.124387	0.00056	0.001269
ENSMUSG00000092592	GM20449	-1.02368	0.296701	0.00056	0.00127
ENSMUSG00000017309	CD300LG	-0.46966	0.136126	0.00056	0.00127
ENSMUSG00000030934	OAT	-0.46158	0.133794	0.000561	0.001271
ENSMUSG00000040536	NECAB1	-0.94043	0.272672	0.000563	0.001275
ENSMUSG00000015806	QDPR	0.568372	0.164838	0.000565	0.001279
ENSMUSG00000028587	ORC1	1.399509	0.406006	0.000567	0.001284
ENSMUSG00000061616	OLFR12	0.874042	0.253582	0.000567	0.001285
ENSMUSG00000027671	ACTL6A	0.34851	0.101113	0.000567	0.001285
ENSMUSG00000025854	FAM20C	-0.4992	0.144842	0.000568	0.001286
ENSMUSG00000083111	GM14421	-1.46505	0.425234	0.00057	0.001291
ENSMUSG00000031897	PSMB10	0.304857	0.08849	0.000571	0.001292
ENSMUSG00000016940	KCTD2	0.322205	0.09353	0.000571	0.001293
ENSMUSG00000019461	PLSCR3	0.300207	0.087172	0.000573	0.001298
ENSMUSG00000028345	TEX10	0.427374	0.124106	0.000574	0.001299
ENSMUSG00000024423	IMPACT	-0.31203	0.090615	0.000574	0.001299
ENSMUSG00000018334	KSR1	-0.63646	0.184889	0.000577	0.001304
ENSMUSG00000051427	CCDC157	-0.55491	0.161203	0.000577	0.001305
ENSMUSG00000024259	SLC25A46	-0.284	0.082505	0.000577	0.001305
ENSMUSG00000021068	NIN	-0.3171	0.092127	0.000578	0.001306
ENSMUSG00000081485	GM12338	0.494358	0.143632	0.000578	0.001306
ENSMUSG00000028101	PIAS3	-0.8166	0.237307	0.000579	0.00131
ENSMUSG00000049680	URGCP	0.28523	0.082904	0.000581	0.001312
ENSMUSG00000026192	ATIC	0.294071	0.085491	0.000582	0.001316
ENSMUSG00000083608	GM14863	1.689416	0.491157	0.000582	0.001316
ENSMUSG00000003812	DNASE2A	0.50003	0.145403	0.000584	0.00132
ENSMUSG00000022724	RIOX2	-0.31856	0.092645	0.000585	0.001322
ENSMUSG00000042812	FOXF1	1.029258	0.299388	0.000586	0.001324
ENSMUSG00000024180	TMEM8	0.385012	0.112035	0.000589	0.001331
ENSMUSG00000025354	DNAJC14	0.287474	0.083663	0.00059	0.001333
ENSMUSG00000027612	MMP24	1.81065	0.527118	0.000593	0.001338
ENSMUSG000000107161	GM43850	-1.88058	0.547643	0.000595	0.001343
ENSMUSG00000032113	CHEK1	0.883348	0.257289	0.000596	0.001346
ENSMUSG00000066441	RDH11	0.517598	0.150811	0.000599	0.001352
ENSMUSG00000022020	NAA16	0.486915	0.141888	0.0006	0.001354
ENSMUSG00000038615	NFE2L1	-0.31123	0.090697	0.0006	0.001354
ENSMUSG00000082446	GM13863	1.917122	0.55867	0.0006	0.001354
ENSMUSG00000062007	HSH2D	1.527198	0.445136	0.000602	0.001357
ENSMUSG00000028842	AGO3	0.698354	0.203557	0.000602	0.001358
ENSMUSG00000032494	TDGF1	1.82834	0.533011	0.000603	0.00136
ENSMUSG00000014850	MSH3	0.366545	0.106876	0.000604	0.001362
ENSMUSG00000073755	5730409E04RII	-0.68034	0.19844	0.000607	0.001368
ENSMUSG00000020042	BTBD11	-0.66653	0.194439	0.000608	0.001371

ENSMUSG00000027668	MFN1	-0.55935	0.163178	0.000608	0.001371
ENSMUSG00000063810	ALMS1	-0.6521	0.190265	0.00061	0.001373
ENSMUSG00000003731	KPNA6	-0.34763	0.101432	0.00061	0.001374
ENSMUSG00000041729	CORO2B	-0.52974	0.15458	0.00061	0.001375
ENSMUSG00000007739	CCT4	0.366091	0.106831	0.000611	0.001375
ENSMUSG00000022817	ITGB5	-0.34719	0.101321	0.000611	0.001376
ENSMUSG00000005148	KLF5	1.119676	0.326817	0.000613	0.001379
ENSMUSG00000083718	CCNB2-PS	-0.97284	0.284	0.000614	0.001382
ENSMUSG00000025277	ABHD6	-0.46281	0.135178	0.000618	0.001391
ENSMUSG00000078676	CASC3	0.305688	0.089291	0.000618	0.001391
ENSMUSG00000081822	GM15626	-1.01666	0.297049	0.00062	0.001396
ENSMUSG00000002968	MED25	0.290607	0.084917	0.000621	0.001397
ENSMUSG00000026484	RNF2	0.432004	0.12626	0.000623	0.001401
ENSMUSG00000034641	CD300LD	0.516203	0.150879	0.000623	0.001402
ENSMUSG00000058056	PALLD	-0.76882	0.224724	0.000623	0.001402
ENSMUSG00000033948	ZSWIM5	-0.59082	0.172713	0.000624	0.001404
ENSMUSG00000037519	PPFIA1	0.302672	0.088541	0.00063	0.001416
ENSMUSG00000036964	TRIM17	0.675904	0.197729	0.00063	0.001417
ENSMUSG00000024598	FBN2	-0.82202	0.240483	0.00063	0.001417
ENSMUSG000000107653	GM31520	-1.42864	0.417978	0.000631	0.001418
ENSMUSG00000030286	EMC3	0.28585	0.083635	0.000631	0.001418
ENSMUSG00000056306	SERTM1	-1.6404	0.479951	0.000631	0.001418
ENSMUSG00000048029	ENO4	2.065073	0.604274	0.000632	0.00142
ENSMUSG00000073925	OLFR654	-0.85639	0.250656	0.000634	0.001425
ENSMUSG00000040133	GPR176	2.399317	0.702288	0.000634	0.001425
ENSMUSG00000028100	NUDT17	-0.57017	0.1669	0.000635	0.001426
ENSMUSG00000057596	TRIM30D	0.60205	0.176232	0.000635	0.001426
ENSMUSG00000066233	TMEM42	-0.4813	0.140916	0.000637	0.00143
ENSMUSG00000022797	TFRC	0.687748	0.201381	0.000637	0.001431
ENSMUSG00000033186	MZT1	-0.29075	0.085141	0.000638	0.001432
ENSMUSG00000074890	LCMT2	0.31685	0.092801	0.000639	0.001435
ENSMUSG00000002325	IRF9	-0.48725	0.142742	0.000641	0.001439
ENSMUSG00000007670	KHSRP	0.284408	0.083317	0.000641	0.001439
ENSMUSG00000045246	KCNG4	-1.96236	0.574882	0.000641	0.001439
ENSMUSG00000021266	WARS	0.28918	0.084744	0.000644	0.001444
ENSMUSG00000078606	GM4070	-0.70027	0.205217	0.000644	0.001445
ENSMUSG00000034453	POLR3B	0.421331	0.123514	0.000647	0.001451
ENSMUSG00000028778	HCRTR1	1.901368	0.557405	0.000647	0.001451
ENSMUSG00000033088	TRIOBP	-0.33606	0.098531	0.000648	0.001453
ENSMUSG00000028931	KCNAB2	0.944185	0.276885	0.00065	0.001456
ENSMUSG00000057604	LMCD1	1.515886	0.444549	0.00065	0.001456
ENSMUSG00000002763	PEX6	0.953004	0.27953	0.000651	0.00146
ENSMUSG00000030683	SEZ6L2	-0.69852	0.204893	0.000652	0.00146
ENSMUSG00000068745	MYBPHL	-1.75965	0.516231	0.000653	0.001462
ENSMUSG00000070424	ART5	-1.25165	0.367198	0.000653	0.001462
ENSMUSG00000079017	IFI27L2A	0.57757	0.169441	0.000653	0.001462
ENSMUSG00000015354	PCOLCE2	-0.91589	0.268797	0.000656	0.001469
ENSMUSG00000029060	MIB2	-0.3383	0.099291	0.000656	0.00147
ENSMUSG00000032338	HCN4	-2.25469	0.662051	0.00066	0.001478
ENSMUSG00000015757	PPIL4	-0.33655	0.09883	0.000661	0.001479

ENSMUSG00000047508	MBD3L2	1.946402	0.571587	0.000661	0.00148
ENSMUSG00000020918	KAT2A	-0.30251	0.088843	0.000662	0.001481
ENSMUSG00000022329	STK3	-0.42677	0.125346	0.000662	0.001482
ENSMUSG00000002833	HDGFL2	0.320732	0.094211	0.000663	0.001484
ENSMUSG00000029670	ING3	0.43232	0.127005	0.000664	0.001486
ENSMUSG00000028933	XRCC2	-1.18264	0.347478	0.000665	0.001488
ENSMUSG00000020431	ADCY1	-1.07758	0.316628	0.000666	0.001489
ENSMUSG00000020792	EXOC7	0.417757	0.12275	0.000666	0.001489
ENSMUSG00000041313	SLC7A1	-0.64623	0.189933	0.000668	0.001494
ENSMUSG00000060798	INTU	-0.4879	0.14341	0.000669	0.001495
ENSMUSG00000045896	PAIP2B	0.351237	0.103242	0.000669	0.001495
ENSMUSG00000064210	ANO6	0.293059	0.086163	0.000671	0.0015
ENSMUSG00000032232	CGNL1	-0.83775	0.246339	0.000672	0.001502
ENSMUSG00000025612	BACH1	0.597398	0.175721	0.000675	0.001508
ENSMUSG00000038704	ASPDH	-1.39371	0.409982	0.000675	0.001509
ENSMUSG00000024142	MLST8	-0.50116	0.147466	0.000678	0.001514
ENSMUSG00000052299	LTN1	0.287385	0.084568	0.000678	0.001515
ENSMUSG00000056228	CARS2	-0.42221	0.124247	0.000678	0.001515
ENSMUSG00000037157	IL22RA1	-1.59898	0.470553	0.000679	0.001515
ENSMUSG00000026594	RALGPS2	0.399753	0.117644	0.000679	0.001516
ENSMUSG00000053483	USP21	-0.33968	0.09997	0.000679	0.001516
ENSMUSG00000048731	GGNBP1	-0.64266	0.189152	0.00068	0.001518
ENSMUSG00000071180	SMIM15	0.415238	0.12223	0.000681	0.00152
ENSMUSG00000027639	SAMHD1	0.30832	0.090759	0.000681	0.00152
ENSMUSG00000020124	USP15	0.280539	0.082583	0.000681	0.00152
ENSMUSG00000054263	LIFR	-0.46035	0.135541	0.000683	0.001524
ENSMUSG00000028071	SH2D2A	1.506326	0.443537	0.000683	0.001524
ENSMUSG00000025757	HSPA4L	-0.56012	0.164933	0.000684	0.001525
ENSMUSG00000025738	FBXL16	-0.75228	0.221538	0.000684	0.001526
ENSMUSG000000104213	IGHD	0.749143	0.220624	0.000685	0.001527
ENSMUSG00000041696	RASL12	-0.42325	0.124657	0.000685	0.001528
ENSMUSG00000049287	IBA57	-0.41714	0.122855	0.000685	0.001528
ENSMUSG00000021219	RGS6	-1.21668	0.358356	0.000686	0.001529
ENSMUSG00000041624	GUCY1A2	-0.80249	0.236432	0.000688	0.001534
ENSMUSG00000078161	ERICH3	-1.40802	0.414918	0.00069	0.001538
ENSMUSG00000045867	CRADD	-0.36438	0.107392	0.000691	0.00154
ENSMUSG00000046138	9930021J03RIK	0.411117	0.121188	0.000693	0.001544
ENSMUSG00000022765	SNAP29	0.346748	0.102236	0.000695	0.001548
ENSMUSG00000075229	CCDC58	0.455821	0.134405	0.000695	0.001549
ENSMUSG00000083941	GM12889	-1.637	0.482693	0.000695	0.001549
ENSMUSG00000000276	DGKE	-0.41015	0.120969	0.000697	0.001553
ENSMUSG00000002297	DBF4	0.922501	0.272083	0.000698	0.001553
ENSMUSG00000047712	UST	-0.60959	0.179832	0.000699	0.001557
ENSMUSG00000021109	HIF1A	0.360631	0.106394	0.0007	0.001558
ENSMUSG00000078440	DOHH	0.340505	0.100467	0.000701	0.00156
ENSMUSG00000089762	IER5L	0.660436	0.194868	0.000701	0.00156
ENSMUSG00000048655	CCDC169	1.377255	0.406414	0.000702	0.001562
ENSMUSG00000083380	NDUFB4C	0.415837	0.122723	0.000703	0.001564
ENSMUSG00000034757	TMUB2	0.296709	0.087573	0.000704	0.001565
ENSMUSG00000025940	TMEM70	-0.35717	0.105466	0.000708	0.001574

ENSMUSG00000029720	GM20605	0.34925	0.103159	0.00071	0.00158
ENSMUSG00000018821	AVPI1	0.382558	0.113027	0.000713	0.001584
ENSMUSG000000037568	VASH2	1.124918	0.332358	0.000713	0.001584
ENSMUSG000000027207	GALK2	-0.47505	0.140374	0.000714	0.001587
ENSMUSG000000079173	ZAN	0.999319	0.295297	0.000714	0.001587
ENSMUSG000000074527	GM14296	-0.4431	0.130952	0.000715	0.00159
ENSMUSG000000062783	CSPRS	-0.7967	0.235464	0.000716	0.00159
ENSMUSG000000047911	NPM2	1.307869	0.386668	0.000719	0.001596
ENSMUSG000000050663	TRHDE	-1.92203	0.568498	0.000722	0.001605
ENSMUSG000000099927	GM8226	3.085409	0.912789	0.000724	0.001609
ENSMUSG000000004383	LARGE1	-0.27908	0.082576	0.000726	0.001612
ENSMUSG000000087260	LAMTOR5	0.446189	0.132022	0.000726	0.001612
ENSMUSG000000059897	ZFP930	-0.4785	0.141589	0.000726	0.001612
ENSMUSG000000028618	TMEM59	0.294547	0.087165	0.000727	0.001614
ENSMUSG000000052688	RAB7B	0.803608	0.237839	0.000728	0.001616
ENSMUSG000000058046	4933430I17RIK	1.637908	0.484863	0.00073	0.00162
ENSMUSG000000039242	B3GALNT2	-0.29149	0.086292	0.00073	0.00162
ENSMUSG000000039438	TTC36	1.075415	0.318453	0.000733	0.001626
ENSMUSG000000060034	CTF2	-0.90635	0.268442	0.000735	0.00163
ENSMUSG000000023991	FOXP4	-0.37315	0.110539	0.000736	0.001633
ENSMUSG000000059149	MFSD4A	-0.53411	0.158253	0.000738	0.001637
ENSMUSG000000019984	MED23	-0.38249	0.113354	0.00074	0.001641
ENSMUSG000000019876	PKIB	0.64406	0.190899	0.000741	0.001644
ENSMUSG000000041781	CPSF2	0.292746	0.086774	0.000742	0.001644
ENSMUSG000000048039	ISG20L2	0.31565	0.093564	0.000742	0.001644
ENSMUSG000000090273	PRR22	-1.07002	0.317177	0.000742	0.001644
ENSMUSG000000091764	ZFP964	-0.46044	0.1365	0.000743	0.001647
ENSMUSG000000034575	TENT4A	0.30742	0.09114	0.000743	0.001647
ENSMUSG000000022095	FAM160B2	-0.28494	0.084485	0.000744	0.001649
ENSMUSG000000075012	FJX1	1.697048	0.503183	0.000745	0.001649
ENSMUSG000000083789	GM6092	1.883197	0.558383	0.000745	0.001649
ENSMUSG000000069206	ZFP874A	-0.459	0.136104	0.000745	0.00165
ENSMUSG000000111696	GM47932	-0.79957	0.237101	0.000745	0.001651
ENSMUSG000000091997	GM6611	1.608905	0.477153	0.000747	0.001653
ENSMUSG000000041828	ABCA8A	-1.5267	0.452837	0.000748	0.001656
ENSMUSG000000024513	MBD2	0.287789	0.085363	0.000748	0.001656
ENSMUSG000000048174	TMEM81	0.616825	0.182963	0.000748	0.001656
ENSMUSG000000024511	RAB27B	1.000297	0.296724	0.000749	0.001656
ENSMUSG000000026893	GCA	-0.69009	0.204709	0.000749	0.001657
ENSMUSG000000110742	ENSMUSG000C	-0.89801	0.266401	0.000749	0.001658
ENSMUSG000000020621	RDH14	-0.28248	0.083802	0.00075	0.001658
ENSMUSG000000029178	KLF3	-0.38868	0.115311	0.00075	0.001658
ENSMUSG000000017453	PIPOX	-1.06051	0.31464	0.00075	0.001659
ENSMUSG000000010044	ZMYND10	-1.63751	0.485855	0.000751	0.00166
ENSMUSG000000063297	LUZP2	-2.333	0.692207	0.000751	0.00166
ENSMUSG000000031613	HPGD	-0.72908	0.216417	0.000755	0.001668
ENSMUSG000000026987	BAZ2B	0.340229	0.100996	0.000755	0.001669
ENSMUSG000000048677	TPCN2	0.867942	0.257663	0.000756	0.00167
ENSMUSG000000053414	HUNK	-0.83613	0.248286	0.000758	0.001675
ENSMUSG000000055926	GM14137	-0.91079	0.270462	0.000758	0.001676

ENSMUSG00000048480	CXCR1	2.076346	0.616591	0.000759	0.001676
ENSMUSG00000008734	GPRC5B	0.492255	0.146194	0.00076	0.001677
ENSMUSG00000030802	BCKDK	-0.29757	0.088374	0.000759	0.001677
ENSMUSG00000009470	TNPO1	0.389622	0.115764	0.000764	0.001686
ENSMUSG00000094530	GM21399	2.165713	0.643632	0.000766	0.001691
ENSMUSG00000076609	IGKC	0.748265	0.222385	0.000766	0.001691
ENSMUSG00000022601	ZBTB11	0.578273	0.171872	0.000767	0.001692
ENSMUSG00000038400	PMEPA1	0.528366	0.157048	0.000767	0.001693
ENSMUSG00000020811	WSCD1	-0.67413	0.200379	0.000767	0.001693
ENSMUSG00000021256	VASH1	-0.90399	0.2687	0.000767	0.001693
ENSMUSG00000000384	TBRG4	0.28618	0.08507	0.000768	0.001694
ENSMUSG00000060657	MARF1	0.319413	0.094953	0.000768	0.001695
ENSMUSG00000029034	INTS11	0.372744	0.110814	0.000769	0.001696
ENSMUSG00000040715	RSC1A1	0.541729	0.161095	0.000772	0.001702
ENSMUSG00000025401	MYO1A	1.472398	0.437889	0.000772	0.001703
ENSMUSG00000020692	NLE1	0.655873	0.19507	0.000773	0.001705
ENSMUSG00000020022	NDUFA12	0.397698	0.118295	0.000774	0.001706
ENSMUSG00000082806	RPL13-PS1	1.864417	0.554613	0.000775	0.001708
ENSMUSG00000029366	DCK	0.495063	0.147281	0.000776	0.001709
ENSMUSG00000026627	TMEM206	-0.55226	0.164331	0.000778	0.001713
ENSMUSG00000040943	TET2	0.462094	0.137512	0.000778	0.001715
ENSMUSG00000027460	ANGPT4	1.511811	0.449895	0.000778	0.001715
ENSMUSG00000040428	PLEKHA4	0.658079	0.195897	0.000781	0.001721
ENSMUSG00000039852	RERE	-0.41589	0.123812	0.000782	0.001722
ENSMUSG000000107810	GM18609	-0.7628	0.227091	0.000782	0.001722
ENSMUSG00000074807	GM10762	-0.39509	0.117639	0.000784	0.001725
ENSMUSG00000015165	HNRNPL	-0.3399	0.101272	0.00079	0.001739
ENSMUSG00000007476	LRRC8A	0.285266	0.085045	0.000796	0.001751
ENSMUSG00000070426	RNF121	0.405204	0.120808	0.000796	0.001752
ENSMUSG00000021731	MRPS30	0.539898	0.161025	0.0008	0.00176
ENSMUSG00000040260	DAAM2	-0.66275	0.197681	0.000801	0.001761
ENSMUSG00000036241	UBE2R2	-0.27954	0.083396	0.000802	0.001765
ENSMUSG00000045287	RTN4RL1	-1.63811	0.488701	0.000802	0.001765
ENSMUSG00000028647	MYCBP	0.489851	0.146147	0.000803	0.001766
ENSMUSG00000022215	FITM1	-0.6063	0.180899	0.000803	0.001767
ENSMUSG00000027599	ARMC1	-0.28044	0.0837	0.000806	0.001773
ENSMUSG00000025597	KLHL4	-0.67116	0.200325	0.000807	0.001774
ENSMUSG00000029683	LMOD2	-0.47008	0.140363	0.000811	0.001782
ENSMUSG00000036555	IQCE	-0.89253	0.266588	0.000814	0.001789
ENSMUSG00000022637	CBLB	0.814874	0.243399	0.000814	0.001789
ENSMUSG00000056153	SOCS6	0.42394	0.126658	0.000817	0.001794
ENSMUSG00000024299	ADAMTS10	-1.04579	0.312538	0.000819	0.0018
ENSMUSG00000075410	PRCD	-0.98554	0.294572	0.000821	0.001803
ENSMUSG00000039099	WDR93	1.958178	0.585302	0.000821	0.001803
ENSMUSG00000030042	POLE4	0.342546	0.102435	0.000826	0.001813
ENSMUSG00000018770	ATP5G3	0.386084	0.115472	0.000827	0.001816
ENSMUSG00000000530	ACVRL1	-0.32997	0.098693	0.000828	0.001817
ENSMUSG00000026123	PLEKHB2	-0.27565	0.082452	0.000828	0.001818
ENSMUSG00000046408	1700067K01RII	0.787133	0.235457	0.000829	0.001819
ENSMUSG00000079414	GM11110	1.421286	0.425233	0.000831	0.001823

ENSMUSG00000043004	GNG2	0.817264	0.244527	0.000831	0.001824
ENSMUSG00000021957	TKT	0.41963	0.125575	0.000833	0.001827
ENSMUSG00000028575	EQTN	1.362684	0.407807	0.000833	0.001828
ENSMUSG00000044957	PP2D1	1.07035	0.32032	0.000833	0.001828
ENSMUSG00000039983	CCDC32	-0.518	0.155031	0.000834	0.001829
ENSMUSG00000057716	TMEM178B	-1.67012	0.499932	0.000836	0.001832
ENSMUSG00000053702	NEBL	-0.53642	0.160587	0.000837	0.001834
ENSMUSG00000021458	2010111I01RIK	0.835961	0.250322	0.000839	0.00184
ENSMUSG00000063362	ALG11	0.691522	0.207114	0.000841	0.001844
ENSMUSG00000025938	SLCO5A1	-1.09482	0.327948	0.000843	0.001847
ENSMUSG00000026694	METTL13	0.411452	0.123256	0.000843	0.001848
ENSMUSG00000030411	NOVA2	-0.50526	0.15141	0.000847	0.001855
ENSMUSG00000044197	GPR146	-0.44643	0.133867	0.000853	0.00187
ENSMUSG00000020570	SYPL	0.275663	0.082662	0.000854	0.00187
ENSMUSG00000048070	PIRT	-0.87885	0.263541	0.000854	0.00187
ENSMUSG00000015357	CLPX	-0.279	0.083667	0.000854	0.001871
ENSMUSG00000028949	SMARCD3	0.284615	0.085367	0.000856	0.001874
ENSMUSG00000030605	MFGE8	0.379984	0.113974	0.000856	0.001874
ENSMUSG00000037151	LRRC20	-0.34108	0.102305	0.000856	0.001874
ENSMUSG00000040265	DNM3	-0.85779	0.257335	0.000858	0.001878
ENSMUSG00000023048	PRR13	0.302218	0.090672	0.000859	0.00188
ENSMUSG00000070348	CCND1	-0.50348	0.151057	0.000859	0.00188
ENSMUSG00000030313	DENND5B	-0.39894	0.119711	0.000861	0.001883
ENSMUSG00000021254	GPATCH2L	0.300794	0.090266	0.000861	0.001884
ENSMUSG00000015702	ANXA9	1.200092	0.360168	0.000862	0.001886
ENSMUSG00000047986	PALM3	-1.62505	0.487753	0.000863	0.001888
ENSMUSG00000024527	AFG3L2	0.283235	0.085019	0.000864	0.001889
ENSMUSG00000080935	GOT2-PS1	-1.01425	0.304453	0.000864	0.00189
ENSMUSG00000017861	MYBL2	1.083418	0.325241	0.000865	0.001891
ENSMUSG00000054400	CKLF	0.639482	0.19203	0.000868	0.001898
ENSMUSG00000001249	HPN	-0.69972	0.210134	0.000869	0.001899
ENSMUSG00000017724	ETV4	1.322383	0.397245	0.000872	0.001906
ENSMUSG00000022350	WASHC5	0.277026	0.083223	0.000872	0.001907
ENSMUSG00000003848	NOB1	0.391277	0.117571	0.000875	0.001911
ENSMUSG00000064326	SIVA1	0.324816	0.097612	0.000876	0.001914
ENSMUSG00000018924	ALOX15	1.954902	0.587695	0.00088	0.001922
ENSMUSG00000045917	TMEM268	-0.48879	0.146966	0.000881	0.001925
ENSMUSG00000026037	ORC2	0.513333	0.154394	0.000885	0.001932
ENSMUSG00000096856	GM10778	-0.53664	0.16142	0.000886	0.001934
ENSMUSG00000097352	C920009B18RII	0.848992	0.255385	0.000886	0.001935
ENSMUSG00000042772	SMG7	-0.29047	0.087383	0.000887	0.001936
ENSMUSG00000028018	GSTCD	0.545203	0.164218	0.0009	0.001965
ENSMUSG00000030647	NDUFC2	0.354336	0.10673	0.0009	0.001965
ENSMUSG00000024868	DKK1	1.850612	0.55764	0.000905	0.001974
ENSMUSG00000028946	HES3	2.196481	0.661943	0.000906	0.001976
ENSMUSG00000018287	SPAG7	-0.32236	0.097204	0.000912	0.00199
ENSMUSG00000007946	PHOX2A	1.092086	0.329318	0.000912	0.00199
ENSMUSG00000041782	LAD1	0.938143	0.282931	0.000914	0.001993
ENSMUSG00000078648	GM17546	-0.70456	0.212495	0.000914	0.001994
ENSMUSG00000037493	CIB2	0.725196	0.218738	0.000915	0.001996

ENSMUSG00000031494	CD209A	1.532474	0.462303	0.000917	0.001999
ENSMUSG00000038646	RAMAC	0.290149	0.087532	0.000917	0.001999
ENSMUSG00000024661	FTH1	0.33631	0.101467	0.000918	0.002001
ENSMUSG00000023075	AKIRIN1	0.343452	0.103633	0.000919	0.002004
ENSMUSG00000053251	OLFR212	1.597122	0.48203	0.000922	0.002009
ENSMUSG00000057835	ZFP119A	0.477237	0.144061	0.000924	0.002013
ENSMUSG00000038239	HRC	-0.65934	0.199088	0.000927	0.002019
ENSMUSG00000000881	DLG3	-0.47311	0.142869	0.000928	0.002022
ENSMUSG00000034161	SCX	-0.46052	0.139124	0.000933	0.002031
ENSMUSG00000079534	GM5640	-2.04233	0.617114	0.000935	0.002035
ENSMUSG00000003549	ERCC1	1.138723	0.344089	0.000935	0.002036
ENSMUSG00000028655	MFSD2A	1.639035	0.495291	0.000936	0.002037
ENSMUSG00000029161	CGREF1	0.623334	0.188442	0.00094	0.002047
ENSMUSG00000043483	GM6863	0.519694	0.157155	0.000943	0.002053
ENSMUSG00000044583	TLR7	0.87886	0.26577	0.000944	0.002053
ENSMUSG00000067203	H2-K2	-0.62764	0.189813	0.000944	0.002055
ENSMUSG00000038671	ARFRP1	0.336357	0.101724	0.000945	0.002055
ENSMUSG00000028417	TAL2	1.004923	0.303922	0.000945	0.002055
ENSMUSG00000019826	ZBTB24	0.357372	0.108118	0.000948	0.002063
ENSMUSG00000031373	CAR5B	0.749391	0.226755	0.00095	0.002067
ENSMUSG00000044408	SPTSSA	-0.41527	0.125666	0.000951	0.002069
ENSMUSG00000046169	ADAMTS6	-0.60932	0.184415	0.000953	0.002072
ENSMUSG00000050304	SLC25A2	1.410946	0.427232	0.000958	0.002083
ENSMUSG00000048445	CCDC57	0.759791	0.230101	0.00096	0.002087
ENSMUSG00000034947	TMEM106A	0.786703	0.238257	0.00096	0.002087
ENSMUSG00000027386	FBLN7	-1.80181	0.545734	0.000961	0.002089
ENSMUSG00000029843	SLC13A4	-1.45325	0.440165	0.000961	0.002089
ENSMUSG00000034795	CCDC122	0.573478	0.173704	0.000962	0.00209
ENSMUSG00000030095	TMEM43	0.952637	0.288564	0.000962	0.00209
ENSMUSG00000041653	PNPLA3	-1.09134	0.33058	0.000962	0.00209
ENSMUSG00000078779	ZFP59	-0.48392	0.146583	0.000962	0.00209
ENSMUSG00000052673	GM9887	0.903813	0.273784	0.000963	0.002091
ENSMUSG00000026188	TMEM169	1.738226	0.526637	0.000965	0.002095
ENSMUSG00000037957	WDR20	0.351556	0.106518	0.000965	0.002096
ENSMUSG00000078612	FYB2	1.700813	0.515344	0.000966	0.002096
ENSMUSG00000000318	CLEC10A	0.743845	0.225427	0.000968	0.0021
ENSMUSG00000038023	ATP6V0A2	0.366493	0.111068	0.000968	0.0021
ENSMUSG00000033883	D3ERTD254E	-0.63822	0.193468	0.000971	0.002106
ENSMUSG00000106666	GM43587	0.988269	0.299605	0.000972	0.002108
ENSMUSG00000001525	TUBB5	0.52064	0.157895	0.000976	0.002117
ENSMUSG00000021423	LY86	0.850709	0.258067	0.000979	0.002124
ENSMUSG00000032398	SNAPC5	0.410661	0.124588	0.00098	0.002126
ENSMUSG00000022946	DOP1B	-0.30516	0.092609	0.000984	0.002133
ENSMUSG00000020340	CYFIP2	-0.53934	0.163705	0.000986	0.002137
ENSMUSG00000074115	SAA1	2.423489	0.735586	0.000985	0.002137
ENSMUSG00000005699	PARD6A	0.409584	0.124384	0.000992	0.002149
ENSMUSG00000029171	PGM2	0.826363	0.250965	0.000992	0.00215
ENSMUSG00000030101	SUMF1	0.601562	0.182699	0.000993	0.002151
ENSMUSG00000004018	FANCL	0.490105	0.148859	0.000993	0.002152
ENSMUSG00000044976	WDR72	-1.55193	0.471687	0.001001	0.002169

ENSMUSG00000070923	KLHL9	-0.28864	0.087771	0.001007	0.002182
ENSMUSG000000111824	GM47102	-0.89153	0.271146	0.001009	0.002185
ENSMUSG000000040883	TMEM205	0.712899	0.216884	0.001013	0.002193
ENSMUSG000000038055	DEXI	-0.29679	0.090293	0.001013	0.002193
ENSMUSG000000063694	CYCS	0.280015	0.085192	0.001013	0.002193
ENSMUSG000000022206	NPR3	-1.44572	0.439881	0.001014	0.002195
ENSMUSG000000031111	IGSF1	-0.92278	0.280799	0.001015	0.002197
ENSMUSG000000031387	RENBP	0.714245	0.21734	0.001015	0.002197
ENSMUSG000000031605	KLHL2	0.460697	0.140197	0.001016	0.002199
ENSMUSG000000046791	RIOX1	0.411276	0.125192	0.001019	0.002205
ENSMUSG000000031389	ARHGAP4	0.849711	0.258664	0.00102	0.002206
ENSMUSG000000043629	1700019D03RI	-1.08704	0.33095	0.001021	0.002209
ENSMUSG000000094103	1700047I17RIK	0.413905	0.126028	0.001023	0.002212
ENSMUSG000000021494	DDX41	0.314724	0.095843	0.001024	0.002215
ENSMUSG000000073139	TMEM185A	-0.35675	0.108654	0.001026	0.002218
ENSMUSG000000031174	RPGR	-0.44861	0.136643	0.001027	0.00222
ENSMUSG000000079224	GM6565	0.513735	0.156498	0.001028	0.002222
ENSMUSG000000084315	VMN1R-PS128	1.227935	0.37406	0.001028	0.002222
ENSMUSG000000038496	SLC19A3	-2.05145	0.62505	0.001031	0.002227
ENSMUSG000000041679	LRRC29	0.826576	0.251908	0.001033	0.002233
ENSMUSG000000025785	EXOSC7	-0.34324	0.104685	0.001043	0.002253
ENSMUSG000000040848	SFT2D2	-0.2885	0.088004	0.001044	0.002257
ENSMUSG000000031467	AGPAT5	0.440837	0.13451	0.001048	0.002264
ENSMUSG000000031958	LDHD	-0.53863	0.164368	0.001049	0.002266
ENSMUSG000000058260	SERPINA9	1.140445	0.348024	0.001049	0.002266
ENSMUSG000000025900	RP1	-1.5741	0.480436	0.001051	0.00227
ENSMUSG000000022322	SHCBP1	-0.57142	0.174427	0.001053	0.002273
ENSMUSG000000049357	4933408B17RII	0.942448	0.287757	0.001056	0.00228
ENSMUSG000000038022	MINDY4	-0.63917	0.195203	0.001059	0.002286
ENSMUSG000000073639	RAB18	0.27044	0.082599	0.00106	0.002287
ENSMUSG000000002996	HBP1	-0.27899	0.085227	0.001062	0.002292
ENSMUSG000000028757	DDOST	0.271411	0.082945	0.001067	0.002303
ENSMUSG000000053626	TLL1	0.933339	0.285244	0.001068	0.002303
ENSMUSG000000038542	PCID2	0.460061	0.140623	0.001069	0.002307
ENSMUSG000000108827	OLFR1310	1.13322	0.346425	0.001071	0.00231
ENSMUSG000000051278	ZGRF1	0.854075	0.261102	0.001072	0.002311
ENSMUSG000000049608	GPR55	2.652188	0.810993	0.001074	0.002317
ENSMUSG000000034156	TSPOAP1	1.870278	0.571947	0.001075	0.002319
ENSMUSG000000073643	WDFY1	0.821542	0.251257	0.001077	0.002321
ENSMUSG000000032462	PIK3CB	0.561139	0.171645	0.001079	0.002325
ENSMUSG000000039086	SS18L1	-0.41842	0.12799	0.001079	0.002325
ENSMUSG000000066979	BUB3	0.284717	0.087121	0.001083	0.002334
ENSMUSG000000021738	ATXN7	-0.28505	0.087229	0.001084	0.002335
ENSMUSG000000024340	BTNL2	1.509893	0.46212	0.001086	0.002339
ENSMUSG000000019986	AHI1	0.666543	0.20401	0.001086	0.00234
ENSMUSG000000017747	GHDC	-0.64047	0.196032	0.001086	0.00234
ENSMUSG000000062591	TUBB4A	-0.56085	0.171682	0.001088	0.002342
ENSMUSG000000057530	ECE1	-0.40443	0.123824	0.00109	0.002348
ENSMUSG000000022760	THAP7	0.380604	0.116533	0.001091	0.002348
ENSMUSG000000038398	UPF3A	0.308096	0.09443	0.001104	0.002376

ENSMUSG00000062661	NCS1	-0.42456	0.130154	0.001106	0.002382
ENSMUSG00000071506	TMEM139	2.051945	0.629192	0.001109	0.002387
ENSMUSG00000030380	MZF1	-0.8212	0.251866	0.001112	0.002394
ENSMUSG00000021621	ZCCHC9	0.365501	0.112109	0.001113	0.002395
ENSMUSG00000073761	4933427I04RIK	2.573896	0.789565	0.001115	0.002397
ENSMUSG00000071724	SMPD5	1.09334	0.335407	0.001115	0.002398
ENSMUSG00000015957	WNT11	-1.28639	0.394744	0.001119	0.002406
ENSMUSG00000020722	CACNG1	2.916396	0.894949	0.001119	0.002406
ENSMUSG00000111228	GM48789	2.645454	0.811931	0.001121	0.00241
ENSMUSG00000033730	EGR3	1.013082	0.310946	0.001122	0.002411
ENSMUSG00000016534	LAMP2	0.271076	0.083208	0.001123	0.002413
ENSMUSG00000061167	RPL15-PS3	2.240772	0.687932	0.001125	0.002417
ENSMUSG00000022993	4930415O20RI	-1.03067	0.316474	0.001127	0.002422
ENSMUSG00000031901	DUS2	0.420096	0.129015	0.001129	0.002426
ENSMUSG00000030760	ACER3	0.406286	0.12481	0.001133	0.002434
ENSMUSG00000053846	LIPG	1.788501	0.549427	0.001133	0.002434
ENSMUSG00000024335	BRD2	0.478065	0.146928	0.001139	0.002446
ENSMUSG00000033033	CALHM2	-0.55265	0.169851	0.001139	0.002446
ENSMUSG00000028576	IFT74	0.462338	0.142101	0.00114	0.002447
ENSMUSG00000052949	RNF157	0.989967	0.304287	0.00114	0.002448
ENSMUSG00000030499	KCTD15	-1.25698	0.386393	0.001141	0.00245
ENSMUSG00000084243	GM13784	-2.24618	0.690627	0.001144	0.002456
ENSMUSG00000026791	SLC2A8	-0.35326	0.108621	0.001145	0.002458
ENSMUSG00000015202	CNKSR3	-0.56258	0.17307	0.001152	0.002471
ENSMUSG00000003992	SSBP2	-0.41015	0.126188	0.001153	0.002474
ENSMUSG00000025980	HSPD1	-0.44735	0.137687	0.001158	0.002484
ENSMUSG00000026426	ARL8A	0.315764	0.097201	0.00116	0.002488
ENSMUSG00000030641	DDIAS	1.166869	0.359246	0.001162	0.002492
ENSMUSG00000008822	ACYP1	0.488538	0.150414	0.001162	0.002492
ENSMUSG00000013150	GFOD2	0.556472	0.171359	0.001165	0.002497
ENSMUSG00000056569	MPZ	2.190238	0.674532	0.001166	0.0025
ENSMUSG00000075165	OLFR1105	-1.42962	0.440289	0.001166	0.0025
ENSMUSG00000041801	PHLDA3	0.902993	0.278119	0.001167	0.002502
ENSMUSG00000029518	RAB35	0.27758	0.085496	0.001168	0.002502
ENSMUSG00000005233	SPC25	1.292673	0.398175	0.001168	0.002503
ENSMUSG00000017686	RHOT1	-0.26857	0.082741	0.001171	0.002508
ENSMUSG00000053821	GM9922	-1.45761	0.449055	0.001171	0.002508
ENSMUSG00000020780	SRP68	0.388036	0.119555	0.001172	0.00251
ENSMUSG00000039286	FNDC3B	-0.28091	0.086557	0.001173	0.002512
ENSMUSG00000000374	TRAPPC10	-0.32998	0.101689	0.001174	0.002515
ENSMUSG00000021176	EFCAB11	1.581681	0.487515	0.001177	0.00252
ENSMUSG00000081855	RPL17-PS5	2.249165	0.693261	0.001177	0.00252
ENSMUSG00000098076	GM6981	1.090746	0.336201	0.001177	0.00252
ENSMUSG00000078942	NAIP6	0.608372	0.187549	0.001179	0.002524
ENSMUSG00000030805	STX4A	0.272971	0.084218	0.00119	0.002547
ENSMUSG00000090958	LRRC32	0.351386	0.108414	0.001191	0.002548
ENSMUSG00000028572	HOOK1	-0.49552	0.152904	0.001192	0.002551
ENSMUSG00000022983	SCAF4	0.367123	0.113301	0.001194	0.002555
ENSMUSG00000046196	TTC39D	1.820245	0.561774	0.001195	0.002555
ENSMUSG00000020163	UQCR11	0.451056	0.139215	0.001195	0.002556

ENSMUSG00000040795	IQCC	0.703414	0.217108	0.001196	0.002557
ENSMUSG00000020781	TSEN54	0.403065	0.124434	0.001199	0.002563
ENSMUSG00000032737	INPPL1	-0.26663	0.082323	0.0012	0.002566
ENSMUSG00000049939	LRRC4	-1.2934	0.399359	0.001201	0.002567
ENSMUSG00000040269	MRPS28	0.501783	0.154944	0.001202	0.002568
ENSMUSG00000053819	CAMK2D	-0.37957	0.117224	0.001204	0.002572
ENSMUSG00000058470	GM8369	1.403421	0.433606	0.00121	0.002584
ENSMUSG00000029923	RAB19	1.248409	0.385754	0.001211	0.002587
ENSMUSG00000029192	TBC1D14	0.389031	0.120227	0.001213	0.002591
ENSMUSG00000018411	MAPT	-0.73299	0.226571	0.001216	0.002597
ENSMUSG00000031200	MTCP1	-0.4594	0.142008	0.001216	0.002597
ENSMUSG00000004328	HIF3A	-0.88642	0.27411	0.001221	0.002608
ENSMUSG00000000301	PEMT	0.709592	0.219462	0.001224	0.002613
ENSMUSG00000012126	UBXN11	0.827013	0.255819	0.001226	0.002617
ENSMUSG00000038264	SEMA7A	0.616804	0.190822	0.001228	0.002621
ENSMUSG00000055923	AASDH	-0.63974	0.197988	0.001233	0.002631
ENSMUSG00000020921	TMEM101	-0.40667	0.125869	0.001234	0.002633
ENSMUSG00000054252	FGFR3	-0.86201	0.2668	0.001234	0.002633
ENSMUSG00000027905	DDX20	0.394424	0.122108	0.001237	0.00264
ENSMUSG00000036560	LGI4	-0.96765	0.299583	0.001238	0.002641
ENSMUSG00000046179	E2F8	0.855693	0.264929	0.001238	0.002641
ENSMUSG00000056216	CEBPG	0.33574	0.103968	0.001241	0.002647
ENSMUSG00000028413	B4GALT1	0.266771	0.082627	0.001244	0.002653
ENSMUSG00000031934	PANX1	0.808265	0.250356	0.001245	0.002654
ENSMUSG00000032041	TIRAP	-0.5288	0.16386	0.00125	0.002665
ENSMUSG00000032000	BIRC3	0.56504	0.175112	0.001252	0.002669
ENSMUSG00000006386	TEK	-0.69626	0.215954	0.001264	0.002693
ENSMUSG00000016529	IL10	1.803091	0.559301	0.001265	0.002696
ENSMUSG00000028898	TRNAU1AP	0.32711	0.101467	0.001265	0.002696
ENSMUSG00000002249	TEAD3	-0.86783	0.269252	0.001268	0.002702
ENSMUSG00000020585	LAPTM4A	0.279524	0.086739	0.00127	0.002706
ENSMUSG00000062248	CKS2	1.394087	0.432613	0.001271	0.002707
ENSMUSG00000028252	CCNC	0.377304	0.117094	0.001272	0.002709
ENSMUSG00000010453	KANSL3	-0.27593	0.08564	0.001273	0.002711
ENSMUSG00000058317	UBE2E2	0.414127	0.128535	0.001273	0.002712
ENSMUSG00000026567	ADCY10	1.669017	0.518054	0.001274	0.002713
ENSMUSG00000028794	A3GALT2	0.938898	0.291459	0.001276	0.002716
ENSMUSG00000024276	ZFP397	-0.27367	0.084972	0.001279	0.002722
ENSMUSG00000102070	GM28661	-1.10035	0.341664	0.001279	0.002723
ENSMUSG00000042156	DZIP1	-0.6273	0.194794	0.00128	0.002724
ENSMUSG00000039826	TRUB2	0.381301	0.118406	0.001281	0.002725
ENSMUSG00000040888	GFER	0.309159	0.096008	0.001281	0.002726
ENSMUSG00000081519	GM13331	-2.60697	0.809732	0.001284	0.002731
ENSMUSG00000031425	PLP1	-0.54482	0.169227	0.001284	0.002731
ENSMUSG00000029757	DYNC1I1	2.181547	0.677661	0.001285	0.002733
ENSMUSG00000067719	GM10221	0.406632	0.126315	0.001286	0.002734
ENSMUSG00000058291	ZFP68	0.282606	0.087791	0.001286	0.002734
ENSMUSG00000020668	KIF3C	-0.30507	0.094807	0.001292	0.002746
ENSMUSG00000026849	TOR1A	0.44191	0.137347	0.001293	0.002749
ENSMUSG00000058360	GM10040	-0.65395	0.203272	0.001295	0.002752

ENSMUSG00000027272	UBR1	-0.44995	0.139867	0.001295	0.002753
ENSMUSG00000031458	COPRS	-0.52259	0.162489	0.001299	0.00276
ENSMUSG00000041491	CEP78	-0.71587	0.222591	0.0013	0.002761
ENSMUSG00000034235	USP54	-0.97274	0.302531	0.001303	0.002768
ENSMUSG00000057899	ADGRF2	-2.03997	0.63474	0.00131	0.002781
ENSMUSG00000025373	RNF41	0.299494	0.09319	0.00131	0.002782
ENSMUSG00000062284	GM6030	1.060826	0.330091	0.00131	0.002782
ENSMUSG00000034300	FAM53C	0.272439	0.084784	0.001312	0.002786
ENSMUSG00000027797	DCLK1	0.648529	0.201857	0.001314	0.00279
ENSMUSG00000040123	ZMYM5	-0.27308	0.085029	0.00132	0.002802
ENSMUSG00000037161	MGARP	1.28743	0.400884	0.001321	0.002803
ENSMUSG00000026971	ITGB6	-1.32069	0.411636	0.001335	0.002833
ENSMUSG00000007659	BCL2L1	0.618154	0.1927	0.001337	0.002837
ENSMUSG000000105504	GBP5	-0.54326	0.169382	0.00134	0.002843
ENSMUSG00000020986	SEC23A	-0.34458	0.107442	0.001341	0.002844
ENSMUSG00000067942	ZFP160	-0.37696	0.117557	0.001343	0.002849
ENSMUSG00000070858	GM1673	0.642632	0.200416	0.001344	0.00285
ENSMUSG00000036104	RAB3GAP1	0.327145	0.102033	0.001345	0.002852
ENSMUSG00000084842	PABPC1L2B-PS	-2.66221	0.830522	0.001348	0.002859
ENSMUSG00000031823	ZDHHC7	-0.35537	0.110872	0.00135	0.002861
ENSMUSG00000037872	ACKR1	1.099907	0.343306	0.001356	0.002874
ENSMUSG00000042492	TBC1D10B	0.370493	0.115658	0.001358	0.002879
ENSMUSG00000020537	DRG2	0.320025	0.099923	0.001361	0.002885
ENSMUSG00000047352	OLFR976	-1.80908	0.564851	0.001361	0.002885
ENSMUSG00000025856	PDGFA	-0.49975	0.156041	0.001362	0.002885
ENSMUSG000000109032	GM7972	1.460849	0.45617	0.001363	0.002887
ENSMUSG00000085893	GM12091	1.057517	0.330254	0.001364	0.002889
ENSMUSG00000062121	OLFR149	1.034406	0.323059	0.001365	0.002891
ENSMUSG00000041488	STX3	-0.41191	0.128651	0.001366	0.002892
ENSMUSG00000034071	ZFP551	-1.97978	0.618731	0.001376	0.002912
ENSMUSG00000039062	ANPEP	0.679021	0.212255	0.001379	0.002919
ENSMUSG00000005299	LETM1	-0.2715	0.084872	0.001379	0.002919
ENSMUSG00000040339	FAM102B	-0.49009	0.153265	0.001385	0.002932
ENSMUSG00000094910	D430019H16RI	-1.30963	0.409863	0.001397	0.002956
ENSMUSG00000016477	E2F3	-0.50626	0.15848	0.001401	0.002964
ENSMUSG00000040390	MAP3K10	-0.31445	0.098435	0.001401	0.002964
ENSMUSG00000020790	ANKFY1	0.301142	0.094284	0.001403	0.002969
ENSMUSG00000017210	MED24	-0.32258	0.101033	0.001409	0.00298
ENSMUSG00000031157	PQBP1	0.296473	0.092869	0.001411	0.002984
ENSMUSG00000037965	ZC3H7A	0.28839	0.09034	0.001412	0.002985
ENSMUSG00000031673	CDH11	-0.9537	0.29876	0.001412	0.002985
ENSMUSG000000107476	ZFP862-PS	-0.9077	0.284448	0.001417	0.002996
ENSMUSG00000048012	ZFP473	0.678161	0.212548	0.00142	0.003001
ENSMUSG00000046861	HECTD3	-0.42299	0.132573	0.00142	0.003001
ENSMUSG00000020973	DNAAF2	0.414254	0.129864	0.001423	0.003008
ENSMUSG00000038429	USP5	0.273377	0.085709	0.001425	0.00301
ENSMUSG00000045231	BC106179	-0.95447	0.299248	0.001425	0.003011
ENSMUSG00000054702	AP1S3	0.685875	0.215098	0.001429	0.00302
ENSMUSG00000016257	PRELID3B	0.278125	0.087243	0.001433	0.003027
ENSMUSG00000066637	TTC32	-0.7071	0.221833	0.001435	0.003031

ENSMUSG00000030034	INO80B	0.349924	0.109808	0.001439	0.003039
ENSMUSG00000035042	CCL5	0.910052	0.28566	0.001444	0.003048
ENSMUSG00000033044	DHRS7C	-0.70897	0.222584	0.001447	0.003054
ENSMUSG00000041797	ABCA9	-1.22303	0.383994	0.001447	0.003056
ENSMUSG00000078713	TOMM5	0.361482	0.113529	0.001452	0.003065
ENSMUSG00000011427	ZFP790	-0.47749	0.150037	0.00146	0.003082
ENSMUSG00000020770	UNK	-0.44271	0.139133	0.001463	0.003087
ENSMUSG00000036095	DGKB	-1.52469	0.479334	0.001468	0.003097
ENSMUSG00000022203	EFS	-0.77899	0.244901	0.001469	0.003098
ENSMUSG00000029634	RNF6	0.324267	0.101949	0.001469	0.003098
ENSMUSG00000074344	TMIGD3	1.642396	0.516366	0.001469	0.003098
ENSMUSG00000032624	EML4	0.335507	0.105492	0.001471	0.003101
ENSMUSG00000061048	CDH3	1.431025	0.449976	0.001472	0.003102
ENSMUSG00000095367	ENSMUSG000C	-1.69932	0.534413	0.001474	0.003106
ENSMUSG00000095709	ENSMUSG000C	-1.69932	0.534413	0.001474	0.003106
ENSMUSG000000106819	GM43498	-1.07229	0.337216	0.001474	0.003106
ENSMUSG00000078954	ARHGAP8	0.906305	0.285036	0.001475	0.003107
ENSMUSG00000025855	PRKAR1B	0.813113	0.255747	0.001476	0.00311
ENSMUSG00000063754	GM10136	0.964283	0.303299	0.001476	0.00311
ENSMUSG00000060985	TDRD5	1.413949	0.444744	0.001477	0.00311
ENSMUSG00000059588	CALCRL	-0.67883	0.213615	0.001484	0.003125
ENSMUSG00000026548	SLAMF9	0.760183	0.23924	0.001486	0.003128
ENSMUSG00000000823	ZFP512B	-0.41348	0.130138	0.001487	0.00313
ENSMUSG00000037339	FAM53A	0.439852	0.138435	0.001487	0.00313
ENSMUSG00000059401	MAMLD1	-0.48733	0.153383	0.001487	0.00313
ENSMUSG00000053841	TXLNA	-0.34873	0.109771	0.001489	0.003134
ENSMUSG00000000903	VPREB3	1.715938	0.540533	0.001501	0.003158
ENSMUSG00000097100	9230104M06R	1.541818	0.485744	0.001503	0.003162
ENSMUSG00000034435	TMEM30B	-1.40872	0.443927	0.001507	0.003171
ENSMUSG00000049932	H2AFX	1.123858	0.354163	0.001507	0.003171
ENSMUSG00000020273	PAPOLG	-0.38264	0.12059	0.001508	0.003172
ENSMUSG00000071226	CECR2	-0.74722	0.235501	0.001509	0.003174
ENSMUSG00000055553	KXD1	0.486144	0.15328	0.001516	0.003188
ENSMUSG00000034994	EEF2	0.413405	0.130378	0.00152	0.003196
ENSMUSG00000020308	TPGS1	0.310857	0.09805	0.001522	0.0032
ENSMUSG00000020591	NTSR2	-0.38659	0.121937	0.001522	0.0032
ENSMUSG00000034135	SIK3	-0.2703	0.085261	0.001523	0.003201
ENSMUSG00000036620	MGAT4B	-0.29451	0.092897	0.001523	0.003201
ENSMUSG00000002718	CSE1L	0.298613	0.094203	0.001525	0.003204
ENSMUSG00000031753	COG4	0.459096	0.144865	0.001529	0.003212
ENSMUSG00000034282	EVPL	0.627801	0.198105	0.001529	0.003213
ENSMUSG00000096549	PRICKLE4	-0.56693	0.178967	0.001536	0.003227
ENSMUSG00000069670	NKAIN2	1.66423	0.525397	0.001537	0.003229
ENSMUSG00000042446	ZMYM4	-0.5008	0.158176	0.001545	0.003245
ENSMUSG00000033126	YBEY	-0.41853	0.132224	0.001549	0.003253
ENSMUSG00000002984	TOMM40	0.283584	0.089607	0.001552	0.003259
ENSMUSG00000028300	C9ORF72	0.304847	0.096388	0.001563	0.003281
ENSMUSG00000043421	HILPDA	1.266023	0.400296	0.001563	0.003281
ENSMUSG00000049969	PLEKHF2	0.387513	0.122524	0.001563	0.003281
ENSMUSG00000071645	TUT1	0.439472	0.138965	0.001564	0.003283

ENSMUSG00000054763	DEFB42	-1.28774	0.407226	0.001566	0.003285
ENSMUSG00000031487	BRF2	0.455074	0.143924	0.001567	0.003288
ENSMUSG00000061607	MDC1	-0.35	0.110714	0.001571	0.003295
ENSMUSG00000055538	ZCCHC24	-0.52002	0.1645	0.001571	0.003296
ENSMUSG00000001120	PCBP3	0.704128	0.222781	0.001574	0.003302
ENSMUSG00000024098	TWSG1	-0.26092	0.082579	0.001579	0.003312
ENSMUSG00000073680	TMEM88B	1.639758	0.519034	0.001582	0.003316
ENSMUSG00000051984	SEC31B	-0.52428	0.165991	0.001586	0.003325
ENSMUSG00000053297	AI854703	-1.02689	0.32525	0.001593	0.003339
ENSMUSG00000009566	FPGS	0.504349	0.159807	0.0016	0.003353
ENSMUSG00000020758	ITGB4	-0.87896	0.278529	0.001601	0.003355
ENSMUSG00000047832	CDCA4	0.356279	0.112909	0.001602	0.003358
ENSMUSG00000037593	BC030499	-0.85095	0.269732	0.001606	0.003365
ENSMUSG00000021732	FGF10	-1.63803	0.519339	0.00161	0.003373
ENSMUSG00000021273	FDFT1	-0.65315	0.207088	0.001611	0.003374
ENSMUSG00000054387	MDM4	-0.29905	0.09482	0.001611	0.003374
ENSMUSG000000110800	ENSMUSG0000C	0.891326	0.282617	0.001611	0.003374
ENSMUSG00000066607	INSYN1	-0.84727	0.268682	0.001614	0.003379
ENSMUSG00000038047	HAUS6	0.738953	0.234404	0.001619	0.003389
ENSMUSG00000021461	FANCC	0.482159	0.152952	0.00162	0.00339
ENSMUSG00000025050	PCGF6	0.408669	0.129639	0.00162	0.00339
ENSMUSG00000028031	DKK2	-1.19825	0.380129	0.00162	0.003391
ENSMUSG00000019857	ASF1A	0.725127	0.230157	0.00163	0.00341
ENSMUSG00000037106	FER1L6	-0.80997	0.257116	0.001631	0.003413
ENSMUSG00000028217	CDH17	1.421608	0.45128	0.001632	0.003414
ENSMUSG00000047940	STPG2	2.286973	0.726071	0.001634	0.003418
ENSMUSG00000031631	CFAP97	-0.40482	0.128537	0.001636	0.003421
ENSMUSG000000100937	1700020D05RI	-1.29448	0.411062	0.001638	0.003425
ENSMUSG00000070498	TMEM132B	1.445242	0.459133	0.001645	0.00344
ENSMUSG00000021483	CDK20	0.522604	0.166058	0.001649	0.003447
ENSMUSG00000020698	CCT6B	1.003759	0.318994	0.001652	0.003453
ENSMUSG00000022610	MAPK12	0.386463	0.122825	0.001653	0.003455
ENSMUSG00000027405	NOP56	0.671426	0.213412	0.001654	0.003458
ENSMUSG00000022887	MASP1	0.752469	0.239414	0.001672	0.003495
ENSMUSG00000020098	PCBD1	-0.84696	0.269524	0.001676	0.003501
ENSMUSG00000038412	HIGD1A	0.548362	0.174503	0.001676	0.003501
ENSMUSG00000048924	CCDC125	0.770789	0.245307	0.001677	0.003504
ENSMUSG00000040189	CCDC114	-0.65347	0.207972	0.001677	0.003504
ENSMUSG00000021681	AGGF1	0.264858	0.084299	0.001679	0.003506
ENSMUSG00000021241	ISCA2	0.262484	0.083546	0.001679	0.003507
ENSMUSG00000083397	GM5466	1.789126	0.569518	0.001681	0.00351
ENSMUSG00000021007	SPATA7	-0.44222	0.140781	0.001683	0.003513
ENSMUSG00000049916	2610318N02RI	2.248648	0.716167	0.00169	0.003529
ENSMUSG00000021943	GDF10	-0.89322	0.284485	0.001691	0.003529
ENSMUSG00000025894	AASDHPPT	0.26571	0.08463	0.001691	0.00353
ENSMUSG00000022792	YARS2	-0.2845	0.090625	0.001693	0.003533
ENSMUSG000000103766	GM38392	2.533512	0.807542	0.001705	0.003557
ENSMUSG00000030366	CEACAM12	1.67731	0.534748	0.001709	0.003565
ENSMUSG00000032715	TRIB3	0.686832	0.219038	0.001715	0.003576
ENSMUSG00000036985	ZDHHC9	0.266111	0.084903	0.001723	0.003593

ENSMUSG00000021684	PDE8B	-0.59638	0.190309	0.001726	0.003599
ENSMUSG00000025234	ARIH1	0.458223	0.146231	0.001727	0.003601
ENSMUSG00000032666	1700025G04RI	0.513333	0.163863	0.001732	0.003611
ENSMUSG00000029797	SSPO	-1.3403	0.427856	0.001733	0.003612
ENSMUSG00000051652	LRRC3	-1.05052	0.335363	0.001733	0.003613
ENSMUSG00000024038	NDUFV3	0.470238	0.150148	0.001737	0.00362
ENSMUSG00000030410	DMWD	0.259853	0.082979	0.001739	0.003624
ENSMUSG00000043155	HPDL	-0.57553	0.183787	0.001739	0.003624
ENSMUSG00000054598	9130230L23RIH	0.863818	0.275968	0.001747	0.00364
ENSMUSG00000022014	EPSTI1	0.666818	0.213056	0.001749	0.003644
ENSMUSG00000039725	TRP53RKA	0.333649	0.10661	0.00175	0.003645
ENSMUSG00000061306	SLC38A10	-0.27122	0.086664	0.00175	0.003645
ENSMUSG00000017057	IL13RA1	0.258858	0.082729	0.001754	0.003653
ENSMUSG00000025237	PARP6	0.295672	0.094511	0.001757	0.003659
ENSMUSG00000068762	GSTM6	-1.20561	0.385439	0.001761	0.003665
ENSMUSG00000022537	TMEM44	-0.92981	0.29733	0.001765	0.003673
ENSMUSG00000040520	MANEA	-0.53268	0.170335	0.001765	0.003673
ENSMUSG00000046994	MARS2	-0.49883	0.159646	0.00178	0.003705
ENSMUSG00000027624	EPB41L1	0.392774	0.125716	0.001782	0.003709
ENSMUSG00000033216	EEFSEC	0.512544	0.164083	0.001786	0.003716
ENSMUSG00000020407	UPP1	0.477798	0.152964	0.001787	0.003716
ENSMUSG00000026278	BOK	0.608212	0.194728	0.001788	0.003719
ENSMUSG00000027985	LEF1	1.361551	0.435939	0.001789	0.00372
ENSMUSG00000029449	RHOF	0.678812	0.217355	0.00179	0.003722
ENSMUSG00000034591	SLC41A2	0.962761	0.308506	0.001804	0.003751
ENSMUSG00000046480	SCN4B	-2.01395	0.645345	0.001804	0.003751
ENSMUSG00000017412	CACNB4	1.171504	0.375424	0.001806	0.003753
ENSMUSG00000034021	PDS5B	-0.31715	0.101691	0.001816	0.003774
ENSMUSG00000066724	GM10175	0.410339	0.13157	0.001816	0.003774
ENSMUSG00000005410	MCM5	0.880766	0.282449	0.001819	0.00378
ENSMUSG00000044548	DACT1	-0.51849	0.166288	0.001821	0.003783
ENSMUSG00000099417	1700028B04RII	1.653369	0.530356	0.001824	0.003789
ENSMUSG00000030534	VPS33B	-0.4021	0.128993	0.001825	0.003792
ENSMUSG00000020978	KLHDC2	-0.26192	0.084032	0.001828	0.003796
ENSMUSG00000052783	GRK4	0.628093	0.201515	0.001828	0.003796
ENSMUSG00000106892	GM42791	0.837361	0.268747	0.001834	0.003809
ENSMUSG00000037060	CAVIN3	0.49031	0.157389	0.001838	0.003816
ENSMUSG00000073427	GM4924	0.68348	0.219409	0.001839	0.003817
ENSMUSG00000015711	PRUNE1	-0.27948	0.089733	0.001842	0.003823
ENSMUSG00000078444	GM10941	1.34166	0.43088	0.001847	0.003834
ENSMUSG00000034442	TRMT5	-0.4872	0.156476	0.001848	0.003835
ENSMUSG00000048612	MYOF	0.655734	0.21064	0.001852	0.003842
ENSMUSG00000022037	CLU	0.583332	0.187392	0.001853	0.003844
ENSMUSG00000008226	SCRN3	-0.54113	0.173877	0.001858	0.003853
ENSMUSG00000039851	4932438H23RI	1.720952	0.553098	0.001862	0.003861
ENSMUSG00000040913	FBXW4	-0.36436	0.117101	0.001861	0.003861
ENSMUSG00000007987	IFT22	-0.47426	0.152543	0.001877	0.003891
ENSMUSG00000033082	CLEC1A	-0.82128	0.264153	0.001877	0.003891
ENSMUSG00000096351	SAMD11	1.571303	0.505398	0.001877	0.003891
ENSMUSG00000021271	ZFP839	-0.30907	0.099461	0.001887	0.003911

ENSMUSG00000063108	ZFP26	0.645253	0.207646	0.001887	0.003911
ENSMUSG000000109540	GM44821	-0.86	0.276764	0.001888	0.003912
ENSMUSG00000026773	PFKFB3	0.913111	0.293886	0.00189	0.003916
ENSMUSG00000026921	EGFL7	0.379875	0.122279	0.001892	0.003921
ENSMUSG00000025268	MAGED2	-0.49075	0.157975	0.001893	0.003922
ENSMUSG00000000325	ARVCF	-0.30548	0.098353	0.001897	0.003929
ENSMUSG00000047143	DMRTA2	1.699351	0.547172	0.001898	0.003932
ENSMUSG00000036707	CAB39	0.257056	0.082772	0.001899	0.003932
ENSMUSG00000039187	FANCI	-0.63816	0.205523	0.001902	0.003939
ENSMUSG00000031169	PORCN	-0.70727	0.227808	0.001905	0.003944
ENSMUSG00000091221	GM3084	1.899586	0.612081	0.001913	0.003959
ENSMUSG00000051314	FFAR2	1.782107	0.57425	0.001913	0.00396
ENSMUSG00000033826	DNAH8	-0.57771	0.186185	0.001916	0.003966
ENSMUSG00000024220	ZFP523	-0.38185	0.123088	0.00192	0.003974
ENSMUSG00000050965	PRKCA	-0.30369	0.097937	0.00193	0.003992
ENSMUSG00000030890	ILK	0.418924	0.135114	0.001932	0.003996
ENSMUSG00000061079	ZFP143	0.764584	0.246595	0.001932	0.003996
ENSMUSG00000084088	GM12941	-2.00274	0.645939	0.001932	0.003996
ENSMUSG00000034826	NUP54	0.407944	0.131576	0.001932	0.003996
ENSMUSG00000026814	ENG	-0.25912	0.083577	0.001933	0.003997
ENSMUSG00000023341	MX2	0.682682	0.220279	0.001941	0.004012
ENSMUSG00000094030	GM21833	-1.57192	0.507201	0.00194	0.004012
ENSMUSG00000037486	ASXL2	-0.46898	0.151367	0.001947	0.004024
ENSMUSG00000058298	MCM9	0.379192	0.122414	0.001951	0.004032
ENSMUSG00000035578	IQCG	1.268919	0.409697	0.001953	0.004037
ENSMUSG00000033542	ARHGEF5	0.332992	0.107546	0.00196	0.004049
ENSMUSG00000067149	JCHAIN	1.160433	0.374802	0.001961	0.004051
ENSMUSG00000071650	GANAB	0.255931	0.08269	0.001968	0.004065
ENSMUSG00000053226	DAND5	-0.61122	0.197495	0.001969	0.004067
ENSMUSG00000037847	NMRK1	-0.45274	0.146292	0.00197	0.004068
ENSMUSG00000002803	BTBD6	-0.28572	0.092334	0.001972	0.004072
ENSMUSG00000032846	ZSWIM6	0.332442	0.107433	0.001972	0.004072
ENSMUSG00000025137	PCYT2	0.661283	0.213707	0.001973	0.004072
ENSMUSG00000081404	GM15694	1.850698	0.598102	0.001973	0.004073
ENSMUSG00000047394	ODF3B	-1.04415	0.337482	0.001975	0.004077
ENSMUSG00000057093	ZFP607B	0.893595	0.288926	0.001983	0.004092
ENSMUSG00000020402	VDAC1	-0.34091	0.110248	0.001987	0.0041
ENSMUSG00000020462	CFAP36	0.500873	0.161999	0.001989	0.004104
ENSMUSG00000027824	VMN2R1	1.763306	0.570409	0.001993	0.004111
ENSMUSG00000049233	APOO-PS	3.120437	1.009634	0.001997	0.00412
ENSMUSG00000031843	MPHOSPH6	0.373904	0.120981	0.001998	0.00412
ENSMUSG00000001552	JUP	0.253687	0.082098	0.002001	0.004127
ENSMUSG00000022565	PLEC	-0.2809	0.090914	0.002004	0.004132
ENSMUSG00000044375	PCARE	-1.41909	0.459326	0.002005	0.004134
ENSMUSG00000064128	CENPJ	-0.85882	0.278007	0.002007	0.004138
ENSMUSG00000025159	MMS19	0.283688	0.091853	0.002012	0.004147
ENSMUSG00000030688	STARD10	-0.64487	0.208802	0.002012	0.004147
ENSMUSG00000048874	PHF3	0.297317	0.096267	0.002012	0.004147
ENSMUSG00000020128	VPS54	0.270751	0.087683	0.002016	0.004155
ENSMUSG000000105340	GM42878	-0.56217	0.182067	0.002017	0.004155

ENSMUSG00000036676	TMTC3	-0.39545	0.128096	0.002021	0.004163
ENSMUSG00000075602	LY6A	0.432737	0.140185	0.002023	0.004166
ENSMUSG00000002844	ADPRH	0.258617	0.083801	0.002028	0.004177
ENSMUSG00000048895	CDK5R1	0.966629	0.313254	0.00203	0.004181
ENSMUSG00000042672	DCST1	1.089898	0.353248	0.002033	0.004186
ENSMUSG00000093962	GM11756	0.628645	0.203755	0.002033	0.004186
ENSMUSG00000010936	VAC14	0.266061	0.086245	0.002036	0.004191
ENSMUSG00000035914	CD276	-0.77591	0.25152	0.002036	0.004191
ENSMUSG00000003228	GRK5	0.438202	0.142117	0.002047	0.004212
ENSMUSG00000044674	FZD1	-0.36734	0.119146	0.002048	0.004215
ENSMUSG00000028049	SCAMP3	0.26299	0.085302	0.002049	0.004216
ENSMUSG00000031382	ASB11	-0.75413	0.244651	0.002053	0.004223
ENSMUSG00000037720	TMEM33	0.35499	0.115226	0.002064	0.004246
ENSMUSG00000027900	DRAM2	-0.26732	0.086777	0.002066	0.00425
ENSMUSG00000028483	SNAPC3	0.297075	0.096468	0.002073	0.004264
ENSMUSG00000021843	KTN1	-0.34525	0.112157	0.002082	0.004282
ENSMUSG00000032085	TAGLN	0.962482	0.312707	0.002085	0.004286
ENSMUSG00000030483	CYP2B10	-2.61888	0.85089	0.002085	0.004287
ENSMUSG00000001864	AIF1L	-1.05723	0.343545	0.002088	0.004292
ENSMUSG00000031351	ZFP185	-0.92629	0.301011	0.002089	0.004294
ENSMUSG00000021359	TFAP2A	0.897411	0.291673	0.002093	0.0043
ENSMUSG00000036867	SMAD6	-0.65388	0.212548	0.002095	0.004306
ENSMUSG00000000532	ACVR1B	-0.27911	0.090747	0.0021	0.004315
ENSMUSG00000059022	KCP	-0.72636	0.236225	0.002106	0.004326
ENSMUSG00000003575	CRTC1	-0.47081	0.153125	0.002107	0.004328
ENSMUSG00000036658	OLFR11	1.269447	0.412948	0.002111	0.004336
ENSMUSG00000029084	CD38	0.341861	0.111215	0.002113	0.004339
ENSMUSG00000025602	ZFP202	0.395423	0.128677	0.002119	0.004352
ENSMUSG00000039968	RSBN1L	-0.29095	0.094696	0.002123	0.004359
ENSMUSG00000083496	GM11263	1.741625	0.566952	0.002127	0.004366
ENSMUSG00000021258	CCNK	0.259	0.084328	0.002131	0.004374
ENSMUSG00000058248	KCNH1	1.326083	0.431764	0.002131	0.004374
ENSMUSG00000045282	TMEM86B	-0.47465	0.154551	0.002132	0.004376
ENSMUSG00000040797	IQSEC3	-0.52763	0.171825	0.002135	0.004381
ENSMUSG00000074028	SLC22A13	1.250472	0.407428	0.002146	0.004404
ENSMUSG00000000782	TCF7	0.764766	0.249354	0.002162	0.004436
ENSMUSG00000015599	TTBK1	-1.54736	0.504664	0.002169	0.004448
ENSMUSG00000027636	SLA2	1.594733	0.520169	0.002171	0.004452
ENSMUSG00000029049	MORN1	0.748017	0.243989	0.002171	0.004452
ENSMUSG00000055612	CDCA7	0.789869	0.257676	0.002174	0.004458
ENSMUSG00000041966	DCAF17	-0.58482	0.190925	0.002191	0.004491
ENSMUSG00000044937	TTC41	-0.52163	0.170331	0.002195	0.0045
ENSMUSG00000028032	PAPSS1	-0.54761	0.178848	0.0022	0.004508
ENSMUSG00000022635	ZCRB1	0.361832	0.11824	0.002212	0.004534
ENSMUSG00000066760	PSG16	-0.31902	0.10426	0.002214	0.004538
ENSMUSG00000039307	HEXDC	-0.32281	0.105526	0.00222	0.004549
ENSMUSG00000005514	POR	0.359444	0.11753	0.002226	0.00456
ENSMUSG00000029207	APBB2	-0.54675	0.178786	0.002227	0.004561
ENSMUSG00000091896	UBE2D2A	0.252565	0.082587	0.002227	0.004561
ENSMUSG00000068921	DAP3	0.405525	0.13263	0.002231	0.00457

ENSMUSG00000037243	ZFP692	-0.41018	0.134193	0.002238	0.004583
ENSMUSG00000028136	SNX27	-0.38918	0.127326	0.002239	0.004584
ENSMUSG00000032285	DNAJA4	0.479559	0.156897	0.002239	0.004584
ENSMUSG00000042532	GOLGA7B	-0.81318	0.266082	0.002242	0.004589
ENSMUSG00000025151	MAGED1	-0.25328	0.082885	0.002244	0.004593
ENSMUSG00000029247	PAICS	-0.31585	0.103367	0.002246	0.004596
ENSMUSG00000027739	RAB33B	0.42552	0.139264	0.002247	0.004598
ENSMUSG00000019785	CLVS2	0.923964	0.302415	0.002248	0.0046
ENSMUSG00000034243	GOLGB1	0.368754	0.120697	0.002249	0.004601
ENSMUSG00000026478	LAMC1	0.277716	0.090911	0.002252	0.004606
ENSMUSG00000044338	APLNR	-1.50082	0.491348	0.002254	0.004611
ENSMUSG00000024952	RPS6KA4	0.345591	0.113174	0.002261	0.004622
ENSMUSG00000039069	MTG2	0.316246	0.103564	0.002261	0.004622
ENSMUSG00000042377	FAM83G	0.95365	0.312298	0.002261	0.004622
ENSMUSG00000042138	MSANTD2	-0.51037	0.167176	0.002266	0.004633
ENSMUSG00000052353	CEMIP	1.055224	0.34565	0.002267	0.004633
ENSMUSG00000020709	ADAP2	-0.37809	0.1239	0.002277	0.004653
ENSMUSG00000035476	TAB3	0.554969	0.181876	0.002278	0.004655
ENSMUSG00000035596	MBOAT7	-0.35606	0.11669	0.002278	0.004655
ENSMUSG00000038482	TFDP1	-0.36374	0.119219	0.002281	0.00466
ENSMUSG00000092444	GM18733	1.519267	0.497995	0.002283	0.004663
ENSMUSG00000050030	OLFR728	1.044564	0.342428	0.002285	0.004667
ENSMUSG00000027316	GFRA4	-1.24252	0.407329	0.002285	0.004667
ENSMUSG00000022620	ARSA	-0.38563	0.126436	0.002289	0.004673
ENSMUSG00000036646	MAN1B1	-0.37206	0.122064	0.002303	0.004701
ENSMUSG00000038528	MFSD4B5	-0.65377	0.214483	0.002303	0.004701
ENSMUSG00000015305	SASH1	-0.37027	0.12148	0.002304	0.004703
ENSMUSG00000059213	DDN	-0.77099	0.252959	0.002305	0.004703
ENSMUSG00000060935	TMEM263	-0.40541	0.133013	0.002304	0.004703
ENSMUSG000000101678	GM29609	0.792932	0.260366	0.002323	0.004741
ENSMUSG00000027709	MCCC1	-0.62927	0.20663	0.002324	0.004741
ENSMUSG00000050002	IDNK	0.410824	0.134918	0.002327	0.004747
ENSMUSG00000021635	RAD17	0.265371	0.087173	0.002333	0.004759
ENSMUSG00000028076	CD1D1	-0.53401	0.17545	0.002337	0.004766
ENSMUSG00000024853	SF3B2	0.296684	0.097512	0.002346	0.004784
ENSMUSG00000026027	STRADB	0.257569	0.084674	0.002351	0.004794
ENSMUSG00000027198	EXT2	0.28822	0.094764	0.002354	0.0048
ENSMUSG00000031162	GATA1	1.770641	0.582212	0.002356	0.004803
ENSMUSG00000022761	LZTR1	-0.31574	0.10383	0.002358	0.004807
ENSMUSG00000030048	GKN3	-1.59625	0.525009	0.002362	0.004815
ENSMUSG00000005698	CTCF	-0.3104	0.102136	0.002373	0.004836
ENSMUSG00000032243	ITGA11	-0.75674	0.24904	0.002376	0.004842
ENSMUSG00000031398	PLXNA3	-0.96633	0.318174	0.002388	0.004866
ENSMUSG00000056531	CCDC18	1.918646	0.631871	0.002394	0.004876
ENSMUSG00000032593	AMIGO3	-0.46701	0.15381	0.002395	0.004878
ENSMUSG00000082809	GM14150	1.671621	0.550614	0.002398	0.004884
ENSMUSG00000004360	9330159F19RII	-0.96441	0.317695	0.0024	0.004888
ENSMUSG00000003464	PEX19	-0.25171	0.082951	0.002409	0.004906
ENSMUSG00000041559	FMOD	-1.29435	0.426621	0.002414	0.004914
ENSMUSG00000021025	NFKBIA	0.719022	0.237066	0.002421	0.004929

ENSMUSG00000037613	TNFRSF23	0.502401	0.165669	0.002425	0.004936
ENSMUSG00000056300	ZFP981	-1.13233	0.373476	0.00243	0.004946
ENSMUSG00000024570	RBFA	-0.28669	0.094563	0.002431	0.004948
ENSMUSG00000062691	CEBPZOS	0.374342	0.123492	0.002435	0.004954
ENSMUSG00000022591	GM9747	-0.84555	0.278999	0.00244	0.004964
ENSMUSG00000026532	SPTA1	-0.68848	0.22717	0.00244	0.004964
ENSMUSG00000029559	2210016L21RI	0.334504	0.110386	0.002443	0.004969
ENSMUSG00000049804	ARMCX4	0.330613	0.109105	0.002444	0.004969
ENSMUSG00000050035	FHL4	-1.06255	0.350649	0.002444	0.004969
ENSMUSG00000030283	ST8SIA1	-0.91871	0.303246	0.002449	0.004979
ENSMUSG00000006442	SRM	0.661077	0.218212	0.002449	0.00498
ENSMUSG00000001833	Sep-07	0.254941	0.084158	0.002451	0.004982
ENSMUSG00000089661	MIA	1.854206	0.612151	0.002454	0.004987
ENSMUSG00000020422	TNS3	0.326728	0.107878	0.002456	0.004992
ENSMUSG00000066108	MUC5B	2.008941	0.663478	0.002463	0.005004
ENSMUSG00000036792	MBD5	0.433478	0.1432	0.002469	0.005017
ENSMUSG00000075705	MSRB1	0.585451	0.193441	0.002474	0.005026
ENSMUSG00000054405	DNAJC8	0.257754	0.085187	0.00248	0.005038
ENSMUSG00000034387	SSU2	-1.26619	0.418683	0.002493	0.005063
ENSMUSG00000021278	AMN	1.736477	0.574272	0.002496	0.005069
ENSMUSG00000079056	KCNIP3	-0.64487	0.213362	0.002508	0.005092
ENSMUSG00000022602	ARC	1.871379	0.619193	0.002509	0.005093
ENSMUSG00000051048	P4HA3	1.547115	0.511956	0.002511	0.005098
ENSMUSG00000036814	SLC6A20A	1.827076	0.604746	0.002517	0.00511
ENSMUSG00000073555	GM4951	-1.26398	0.418399	0.00252	0.005113
ENSMUSG00000033917	GDE1	-0.27968	0.092599	0.002525	0.005123
ENSMUSG00000035851	YTHDC1	0.413288	0.136839	0.002526	0.005124
ENSMUSG00000027610	GSS	0.315726	0.104548	0.002528	0.00513
ENSMUSG00000028434	EPB41L4B	-0.87185	0.288761	0.002534	0.00514
ENSMUSG00000009073	NF2	-0.25419	0.084196	0.002536	0.005143
ENSMUSG00000037225	FGF2	-0.56671	0.187714	0.002536	0.005143
ENSMUSG00000022704	QTRT2	-0.4486	0.148608	0.002539	0.005148
ENSMUSG00000036123	SLC9A3	-1.34572	0.445798	0.002539	0.005148
ENSMUSG00000028693	NASP	0.284043	0.094101	0.00254	0.00515
ENSMUSG00000021983	ATP8A2	-0.50379	0.167011	0.002557	0.005183
ENSMUSG00000022324	MATN2	-0.60656	0.201079	0.002557	0.005183
ENSMUSG00000036131	FRMD7	-1.42742	0.473208	0.002557	0.005183
ENSMUSG00000024791	CDCA5	1.767039	0.585843	0.002559	0.005186
ENSMUSG00000037336	MFSD2B	0.533498	0.176925	0.002566	0.0052
ENSMUSG00000090639	GM20425	-5.02208	1.665638	0.002569	0.005204
ENSMUSG00000003923	TFAM	-0.29425	0.097607	0.002573	0.005211
ENSMUSG00000024604	RBM22	0.344525	0.114364	0.002591	0.005248
ENSMUSG00000059423	ZFP933	0.442683	0.14696	0.002593	0.005251
ENSMUSG00000051748	WFDC21	1.475032	0.489696	0.002594	0.005253
ENSMUSG00000005813	METAP1	0.283113	0.094	0.002597	0.005257
ENSMUSG00000001227	SEMA6B	0.721289	0.239511	0.0026	0.005263
ENSMUSG00000051029	SERPINB1B	1.780239	0.591209	0.002602	0.005268
ENSMUSG00000046733	GPRC5A	1.495773	0.496797	0.002605	0.005272
ENSMUSG00000048706	LURAP1L	-0.81168	0.269586	0.002605	0.005272
ENSMUSG00000091898	TNNC1	0.32099	0.106626	0.002609	0.005279

ENSMUSG00000091586	CYP4F17	-0.87135	0.289548	0.002618	0.005297
ENSMUSG00000021208	IFI27L2B	1.552631	0.515971	0.00262	0.0053
ENSMUSG00000050357	CARMIL2	0.781938	0.25989	0.002623	0.005307
ENSMUSG00000074158	ZFP976	-0.62085	0.206368	0.002626	0.00531
ENSMUSG00000035575	UTP6	0.294396	0.097859	0.002626	0.005311
ENSMUSG00000032563	MRPL3	-0.31224	0.103809	0.002632	0.005321
ENSMUSG00000027291	VPS39	-0.42559	0.141527	0.002637	0.005332
ENSMUSG00000021179	NRDE2	-0.30851	0.10263	0.002646	0.00535
ENSMUSG00000001995	SIPA1L2	-0.38981	0.129686	0.002649	0.005353
ENSMUSG00000061718	PPP1R1B	-1.31826	0.438567	0.002649	0.005353
ENSMUSG00000034192	LSM3	0.271289	0.090278	0.002655	0.005366
ENSMUSG00000068855	HIST2H2AC	2.613787	0.869907	0.002659	0.005372
ENSMUSG00000028639	YBX1	0.278036	0.092545	0.002662	0.005378
ENSMUSG00000051615	RAP2A	0.275829	0.091822	0.002665	0.005383
ENSMUSG00000037446	TULP1	1.050941	0.349907	0.002669	0.005391
ENSMUSG00000000359	REM1	-0.69855	0.232645	0.002676	0.005405
ENSMUSG00000026358	RGS1	1.308855	0.43592	0.002678	0.005407
ENSMUSG00000045598	ZFP553	-0.42974	0.143136	0.002679	0.00541
ENSMUSG000000110277	GM45871	0.484539	0.161396	0.002681	0.005412
ENSMUSG00000039865	SLC44A3	-1.24348	0.414241	0.002684	0.005418
ENSMUSG00000049086	BMYC	-0.64564	0.21511	0.002687	0.005423
ENSMUSG00000032717	MDFI	1.265972	0.421894	0.002694	0.005436
ENSMUSG00000052707	TNRC6A	-0.28179	0.093926	0.002698	0.005445
ENSMUSG00000003380	RABAC1	0.441539	0.147192	0.002702	0.005452
ENSMUSG00000069301	HIST1H2AG	1.882587	0.627632	0.002704	0.005456
ENSMUSG00000041324	INHBA	1.520924	0.507173	0.00271	0.005467
ENSMUSG00000041923	NOL4	2.062343	0.687741	0.002711	0.005468
ENSMUSG00000029122	EVC	-0.76384	0.254829	0.002722	0.00549
ENSMUSG00000021374	NUP153	0.375172	0.125167	0.002723	0.005491
ENSMUSG00000039041	ADRM1	0.248608	0.082941	0.002723	0.005491
ENSMUSG00000070868	SKINT3	1.62011	0.540527	0.002724	0.005492
ENSMUSG00000074359	PSG23	0.960339	0.320441	0.002727	0.005497
ENSMUSG00000067928	ZFP760	-0.44973	0.150072	0.002728	0.005499
ENSMUSG00000002395	USE1	0.263491	0.087969	0.002742	0.005526
ENSMUSG00000024780	CDC37L1	-0.26915	0.089871	0.002745	0.005532
ENSMUSG00000056870	GULP1	-0.9145	0.305366	0.002747	0.005534
ENSMUSG000000102627	SNURF	-0.56213	0.18772	0.002749	0.005538
ENSMUSG00000019851	PERP	-0.47719	0.159407	0.002758	0.005555
ENSMUSG00000002458	RGS19	0.763256	0.254999	0.002761	0.005561
ENSMUSG00000037270	4932438A13RI	0.262483	0.087696	0.002762	0.005561
ENSMUSG00000026273	MTERF4	0.283017	0.094587	0.00277	0.005578
ENSMUSG00000020542	MYOCD	0.494426	0.165245	0.002771	0.005579
ENSMUSG00000021087	RTN1	-1.27249	0.425323	0.002773	0.005583
ENSMUSG00000026349	CCNT2	-0.25484	0.085201	0.00278	0.005595
ENSMUSG00000022663	ATG3	0.265118	0.088644	0.002782	0.0056
ENSMUSG00000029020	MFN2	-0.27043	0.09042	0.002783	0.0056
ENSMUSG00000018322	TOMM34	0.370523	0.123908	0.002787	0.005608
ENSMUSG00000018167	STARD3	-0.31288	0.104639	0.002789	0.005611
ENSMUSG00000024392	BAG6	0.364227	0.121813	0.002789	0.005611
ENSMUSG00000048949	GM6206	-5.3103	1.775969	0.002789	0.005611

ENSMUSG00000079363	GBP4	-1.04349	0.349008	0.002791	0.005613
ENSMUSG00000036594	H2-AA	0.676578	0.226304	0.002793	0.005616
ENSMUSG00000006395	HYI	0.426209	0.142569	0.002794	0.005619
ENSMUSG000000107873	GM19065	-0.68128	0.227908	0.002796	0.005622
ENSMUSG00000024827	GLDC	1.618457	0.541793	0.002815	0.005659
ENSMUSG00000036641	CCDC148	0.772364	0.258572	0.002817	0.005662
ENSMUSG00000035459	STAB2	-0.74147	0.248298	0.002825	0.005677
ENSMUSG00000030510	CERS3	1.151431	0.385617	0.002827	0.005681
ENSMUSG00000042298	TTC19	-0.52912	0.177277	0.002839	0.005703
ENSMUSG00000074800	GM4149	1.026269	0.343843	0.002839	0.005703
ENSMUSG00000025086	TRUB1	-0.33583	0.112536	0.002843	0.005711
ENSMUSG00000031072	LTO1	0.318139	0.106652	0.002855	0.005734
ENSMUSG00000035828	PIM3	-0.26078	0.087424	0.002855	0.005734
ENSMUSG00000020390	UBE2B	-0.40523	0.135903	0.002866	0.005756
ENSMUSG00000025047	PDCD11	0.376909	0.126418	0.002869	0.00576
ENSMUSG00000056413	ADAP1	0.497545	0.16688	0.002869	0.00576
ENSMUSG00000080115	EEF1AKMT3	1.131962	0.380015	0.002894	0.005811
ENSMUSG00000030166	RAD52	0.398398	0.133772	0.0029	0.00582
ENSMUSG00000066279	CHRNA10	-1.9373	0.650604	0.002904	0.005829
ENSMUSG00000031537	IKBKB	0.263916	0.088676	0.002919	0.005857
ENSMUSG00000014349	UBE2Z	0.245768	0.082597	0.002925	0.005869
ENSMUSG00000021903	GALNT15	-0.45789	0.153975	0.002941	0.005901
ENSMUSG00000023912	SLC25A27	-0.37587	0.126415	0.002946	0.005911
ENSMUSG00000042323	PBRM1	-0.26951	0.090651	0.002949	0.005914
ENSMUSG00000021057	AKAP5	-0.93034	0.312931	0.002949	0.005914
ENSMUSG00000074796	SLC4A11	1.035335	0.348315	0.002955	0.005925
ENSMUSG00000022802	LMLN	-0.83861	0.282209	0.002963	0.00594
ENSMUSG00000032440	TGFBR2	-0.2517	0.084709	0.002965	0.005944
ENSMUSG00000031446	CUL4A	0.245668	0.082681	0.002966	0.005945
ENSMUSG00000026626	PPP2R5A	-0.2528	0.085106	0.002974	0.00596
ENSMUSG00000046470	SOX18	-0.57126	0.192328	0.002976	0.005964
ENSMUSG00000066621	TECPR1	0.384045	0.129302	0.002977	0.005965
ENSMUSG00000024906	MUS81	0.309747	0.104291	0.002978	0.005966
ENSMUSG00000028322	EXOSC3	0.348854	0.11748	0.002983	0.005976
ENSMUSG00000041889	SHISA4	0.512537	0.172617	0.002986	0.005981
ENSMUSG00000037750	FAM222B	0.268273	0.090359	0.002988	0.005984
ENSMUSG000000109195	GM45038	-0.86428	0.291106	0.002988	0.005984
ENSMUSG00000074570	CASS4	1.066541	0.359237	0.002989	0.005984
ENSMUSG00000079298	KLRB1B	1.430615	0.481869	0.002989	0.005984
ENSMUSG00000027109	SP3	0.252087	0.084926	0.002994	0.005995
ENSMUSG00000041215	YEATS2	-0.31249	0.105302	0.003002	0.006009
ENSMUSG00000075266	CENPW	0.48797	0.164453	0.003005	0.006015
ENSMUSG00000034839	LARP6	-0.73446	0.247586	0.003012	0.006029
ENSMUSG00000036009	METTL25	-0.65522	0.220989	0.003028	0.006058
ENSMUSG00000024084	QPCT	-0.53517	0.180505	0.003028	0.006059
ENSMUSG00000045414	1190002N15RI	-0.55802	0.188244	0.003033	0.006068
ENSMUSG00000036873	2410004B18RII	0.334459	0.112844	0.003038	0.006076
ENSMUSG00000074862	BC025920	0.408349	0.137799	0.003043	0.006086
ENSMUSG00000038425	POLI	0.397185	0.134082	0.003054	0.006108
ENSMUSG00000031538	PLAT	0.566846	0.191361	0.003055	0.006108

ENSMUSG00000020530	GGNBP2	0.255177	0.086153	0.003057	0.006112
ENSMUSG00000042988	NOTUM	0.659736	0.222741	0.003057	0.006112
ENSMUSG00000053965	PDE5A	-0.89166	0.301071	0.00306	0.006117
ENSMUSG00000084350	ZNF41-PS	-0.43389	0.146532	0.003066	0.006128
ENSMUSG00000071632	2510002D24RI	-0.44993	0.151955	0.003067	0.00613
ENSMUSG00000044043	PCDHB14	-0.59587	0.201306	0.003076	0.006146
ENSMUSG00000053469	TG	0.679811	0.22975	0.003087	0.006168
ENSMUSG00000024085	MAN2A1	0.405053	0.136947	0.003099	0.006191
ENSMUSG00000050195	SCD4	-0.69704	0.23569	0.003102	0.006196
ENSMUSG00000016510	MTIF3	-0.29407	0.099456	0.003109	0.006208
ENSMUSG00000048004	TMEM196	-1.10264	0.372916	0.003108	0.006208
ENSMUSG000000103906	TIGD5	0.390519	0.132087	0.003111	0.006213
ENSMUSG00000059493	NHS	-0.6971	0.235821	0.003116	0.006222
ENSMUSG00000030844	RGS10	0.702159	0.237602	0.003125	0.006238
ENSMUSG000000103367	GM38158	1.761885	0.596315	0.003131	0.006249
ENSMUSG00000005973	RCN1	-0.27013	0.091429	0.003131	0.00625
ENSMUSG00000047759	HS3ST3A1	-1.20068	0.406445	0.003136	0.006258
ENSMUSG00000050947	AMIGO1	-0.3385	0.114587	0.003136	0.006258
ENSMUSG00000030064	FRMD4B	-0.33025	0.111799	0.003137	0.006259
ENSMUSG00000006204	5430419D17RI	-1.0824	0.366564	0.003149	0.006282
ENSMUSG00000018651	TADA2A	-0.6534	0.22129	0.00315	0.006283
ENSMUSG00000078877	GM14295	-0.70842	0.239973	0.003156	0.006295
ENSMUSG00000064147	RAB44	2.183145	0.739702	0.003164	0.006309
ENSMUSG00000002108	NR1H3	0.297503	0.100877	0.003186	0.006351
ENSMUSG00000037999	ARAP2	-0.4997	0.169438	0.003186	0.006351
ENSMUSG00000034673	PBX2	-0.32807	0.111248	0.003188	0.006354
ENSMUSG00000036023	PARP2	0.271067	0.091927	0.003191	0.006359
ENSMUSG00000035614	TOGARAM1	-0.37311	0.126538	0.003192	0.006361
ENSMUSG00000056014	A430033K04RI	-0.48022	0.162919	0.003202	0.00638
ENSMUSG00000041506	RRP9	0.345688	0.117301	0.003209	0.006392
ENSMUSG00000020650	BCAP29	-0.24839	0.084304	0.003215	0.006404
ENSMUSG00000081564	GM13717	1.710803	0.580692	0.003218	0.006408
ENSMUSG00000022623	SHANK3	-0.36148	0.122705	0.00322	0.006411
ENSMUSG00000096887	GM20594	-0.44261	0.150243	0.00322	0.006411
ENSMUSG00000040040	IFT88	-0.56722	0.192613	0.003231	0.006433
ENSMUSG00000021929	KPNA3	-0.24305	0.082539	0.003233	0.006437
ENSMUSG00000029223	UCHL1	0.68869	0.233886	0.003234	0.006438
ENSMUSG00000056366	FABP3-PS1	-0.46731	0.158744	0.003242	0.006453
ENSMUSG00000029208	GUF1	-0.25844	0.087798	0.003245	0.006457
ENSMUSG00000013928	THAP8	1.237821	0.420541	0.003246	0.006459
ENSMUSG00000025436	ATP23	-0.49901	0.169581	0.003255	0.006475
ENSMUSG00000030966	TRIM21	-0.74995	0.254874	0.003256	0.006478
ENSMUSG00000051606	2010001K21RII	-1.43738	0.48853	0.003258	0.006481
ENSMUSG00000030275	ETNK1	-0.24897	0.084622	0.003259	0.006482
ENSMUSG00000037627	RGS22	-2.07567	0.705556	0.003262	0.006487
ENSMUSG00000024539	PTPN2	0.63557	0.216066	0.003266	0.006493
ENSMUSG00000061979	RCC1L	0.302169	0.102725	0.003266	0.006493
ENSMUSG00000006676	USP19	0.244737	0.08323	0.003277	0.006514
ENSMUSG00000038644	POLD1	0.405735	0.138015	0.003284	0.006528
ENSMUSG00000021287	XRCC3	0.540313	0.183851	0.003294	0.006547

ENSMUSG00000063412	GM10131	1.097455	0.373452	0.003296	0.00655
ENSMUSG00000053441	ADAMTS19	-1.16719	0.397213	0.003298	0.006554
ENSMUSG00000022471	XRCC6	0.303102	0.103172	0.003305	0.006567
ENSMUSG00000021607	MRPL36	0.294608	0.10029	0.003308	0.006572
ENSMUSG00000071679	RTL4	1.928882	0.656706	0.003312	0.006578
ENSMUSG00000028836	SLC30A2	-0.97884	0.333282	0.003314	0.006583
ENSMUSG00000005312	UBQLN1	0.242688	0.082635	0.003315	0.006584
ENSMUSG00000029705	CUX1	-0.24361	0.08295	0.003316	0.006584
ENSMUSG00000053024	CNTN2	-0.9328	0.317805	0.003334	0.006619
ENSMUSG00000043822	ADAMTSL5	0.364546	0.124209	0.003336	0.006623
ENSMUSG00000036052	DNAJB5	-0.64692	0.220449	0.00334	0.00663
ENSMUSG00000035666	GTF3C4	-0.29228	0.099619	0.003346	0.006642
ENSMUSG00000026269	RNPEPL1	-0.25061	0.085442	0.003356	0.00666
ENSMUSG00000058587	TMOD3	-0.26294	0.089689	0.003371	0.006689
ENSMUSG00000034022	CPSF1	0.243009	0.082896	0.003373	0.006693
ENSMUSG00000021392	NOL8	-0.26156	0.089231	0.003376	0.006696
ENSMUSG00000024292	CYP4F14	1.378712	0.470426	0.003381	0.006707
ENSMUSG00000027387	ZC3H8	-0.32812	0.111995	0.003392	0.006728
ENSMUSG00000028822	TMEM50A	0.249427	0.085188	0.003412	0.006766
ENSMUSG00000033900	MAP9	-1.05508	0.360442	0.003421	0.006782
ENSMUSG00000041297	CDK13	-0.26696	0.0912	0.003421	0.006782
ENSMUSG00000052430	BMPR1B	-1.48764	0.508285	0.003425	0.006789
ENSMUSG00000037400	ATP11B	-0.29935	0.102292	0.003428	0.006796
ENSMUSG00000057614	GNAI1	-0.83542	0.285504	0.003432	0.006802
ENSMUSG00000046280	SHE	-0.44532	0.152192	0.003433	0.006803
ENSMUSG000000107504	GM35549	-1.00151	0.342292	0.003435	0.006806
ENSMUSG00000027603	GGT7	0.823246	0.281385	0.003437	0.006809
ENSMUSG00000005150	WDR83	0.260162	0.088925	0.003438	0.00681
ENSMUSG000000096795	ZFP433	-0.45442	0.155328	0.003438	0.00681
ENSMUSG00000055485	SOGA1	-0.62159	0.212492	0.003442	0.006817
ENSMUSG00000040365	TRIM41	0.341497	0.116753	0.003445	0.006822
ENSMUSG000000095098	CCDC85B	0.265106	0.09065	0.00345	0.006831
ENSMUSG00000074916	CHST14	-0.61706	0.211031	0.003455	0.006841
ENSMUSG00000031504	RAB20	0.508535	0.173946	0.003461	0.006851
ENSMUSG000000093865	LRIT3	1.601517	0.547837	0.003463	0.006854
ENSMUSG00000021147	WDR37	0.344543	0.117862	0.003464	0.006855
ENSMUSG000000100153	PPP1CCB	0.31321	0.107199	0.003481	0.006888
ENSMUSG00000028443	NUDT2	0.333152	0.114055	0.003489	0.006904
ENSMUSG00000058620	ADRA2B	-1.11415	0.381473	0.003493	0.006911
ENSMUSG00000029735	TPK1	0.538516	0.184388	0.003494	0.006912
ENSMUSG00000020451	LIMK2	0.309805	0.106082	0.003495	0.006914
ENSMUSG000000096808	AC132444.6	-0.89242	0.305733	0.003512	0.006946
ENSMUSG00000042524	SUN2	-0.34702	0.118938	0.003527	0.006975
ENSMUSG00000001119	COL6A1	-0.64602	0.221427	0.003528	0.006976
ENSMUSG00000026926	PMPCA	0.242045	0.083012	0.003548	0.007014
ENSMUSG00000034911	USHBP1	-0.68017	0.233272	0.003548	0.007014
ENSMUSG00000018239	ZCCHC10	0.400253	0.137282	0.003551	0.007018
ENSMUSG00000084345	RPL17-PS4	1.783086	0.611701	0.003557	0.007031
ENSMUSG00000041915	AMMECR1L	-0.25447	0.087335	0.003571	0.007057
ENSMUSG00000003032	KLF4	-0.47598	0.163383	0.003577	0.007067

ENSMUSG00000032850	RNFT2	-0.72876	0.250182	0.003581	0.007075
ENSMUSG00000030871	EARS2	0.322913	0.110868	0.003584	0.007081
ENSMUSG00000000058	CAV2	-0.33504	0.115034	0.003585	0.007081
ENSMUSG00000034449	DHRS11	-0.43872	0.150634	0.003585	0.007081
ENSMUSG00000035295	WDR38	1.098182	0.377131	0.003592	0.007093
ENSMUSG00000000563	ATP5F1	0.3174	0.109017	0.003597	0.007103
ENSMUSG00000033953	PPP3R1	-0.2484	0.085322	0.003599	0.007106
ENSMUSG00000036046	5031439G07RI	0.277296	0.095257	0.003602	0.007111
ENSMUSG00000071337	TIA1	-0.31184	0.107127	0.003604	0.007113
ENSMUSG00000030029	LRIG1	-0.347	0.11922	0.003608	0.00712
ENSMUSG00000031503	COL4A2	0.377323	0.129649	0.00361	0.007125
ENSMUSG00000026857	NTMT1	-0.31403	0.107927	0.003618	0.007139
ENSMUSG00000028709	MOB3C	0.491135	0.168804	0.00362	0.007142
ENSMUSG00000046691	CHTF8	0.247052	0.084913	0.00362	0.007142
ENSMUSG00000029413	NAAA	-0.32412	0.111473	0.003642	0.007183
ENSMUSG00000057594	ARL16	0.430745	0.148217	0.003659	0.007216
ENSMUSG00000025428	ATP5A1	-0.42819	0.147458	0.003686	0.00727
ENSMUSG00000029233	SRD5A3	0.458071	0.157792	0.003696	0.007288
ENSMUSG00000030084	PLXNA1	-0.62223	0.214376	0.003702	0.007298
ENSMUSG00000039911	SPSB1	-0.67754	0.233512	0.003714	0.007321
ENSMUSG00000066543	RPL17-PS9	1.789523	0.616933	0.003724	0.00734
ENSMUSG00000029158	YIPF7	-1.35966	0.468782	0.003727	0.007345
ENSMUSG00000018417	MYO1B	-0.36053	0.124318	0.003731	0.007352
ENSMUSG00000021067	SAV1	0.251352	0.08671	0.003746	0.007382
ENSMUSG00000043102	QRFP	2.476836	0.854778	0.00376	0.007408
ENSMUSG00000019804	SNX3	0.239392	0.08263	0.003766	0.007417
ENSMUSG000000104377	GM37515	-0.43665	0.150716	0.003766	0.007417
ENSMUSG000000102222	PCDHGA10	-0.44729	0.154391	0.003766	0.007418
ENSMUSG00000023247	GUCA2A	1.872028	0.646243	0.00377	0.007424
ENSMUSG00000063689	HIST2H2AB	2.084722	0.719705	0.003772	0.007427
ENSMUSG00000038056	KMT2C	0.248333	0.08574	0.003775	0.007433
ENSMUSG00000031099	SMARCA1	-0.84277	0.291052	0.003785	0.00745
ENSMUSG00000022682	RRN3	0.240066	0.08291	0.003786	0.007451
ENSMUSG00000038077	KCNA6	-1.2155	0.419792	0.003786	0.007451
ENSMUSG00000036904	FZD8	-0.40679	0.140496	0.003787	0.007453
ENSMUSG00000042678	MYO15	-0.58208	0.201068	0.003792	0.007462
ENSMUSG00000028007	SNX7	0.523348	0.180835	0.003803	0.007482
ENSMUSG00000028233	TGS1	0.426257	0.14729	0.003804	0.007483
ENSMUSG00000020571	PDIA6	0.25459	0.087978	0.003806	0.007486
ENSMUSG00000021835	BMP4	0.820902	0.283719	0.003811	0.007496
ENSMUSG00000071757	ZHX2	-0.50621	0.174991	0.003818	0.007509
ENSMUSG00000000440	PPARG	0.606879	0.209814	0.003822	0.007515
ENSMUSG00000034413	NEURL1B	-0.88658	0.306514	0.003822	0.007515
ENSMUSG00000018899	IRF1	-0.41933	0.144985	0.003826	0.007521
ENSMUSG00000023156	RPP14	0.336041	0.116193	0.003827	0.007522
ENSMUSG00000022175	LRP10	0.238921	0.082618	0.00383	0.007527
ENSMUSG00000033728	LRRC14	0.402248	0.139136	0.00384	0.007546
ENSMUSG00000015222	MAP2	-0.79657	0.275562	0.003844	0.007551
ENSMUSG00000024976	SHOC2	0.487526	0.168652	0.003843	0.007551
ENSMUSG00000068101	CENPM	1.164222	0.402747	0.003844	0.007551

ENSMUSG00000040250	INTS13	0.305541	0.105717	0.00385	0.007563
ENSMUSG00000022744	CLDND1	0.28516	0.098668	0.003851	0.007564
ENSMUSG00000030105	ARL8B	0.338557	0.117166	0.003858	0.007576
ENSMUSG00000034009	RXFP1	-1.14004	0.39459	0.003862	0.007583
ENSMUSG00000035561	ALDH1B1	-0.44872	0.155309	0.003862	0.007583
ENSMUSG00000040584	ABCB1A	-0.70779	0.245009	0.003867	0.00759
ENSMUSG00000064168	ENSMUSG000C	1.225644	0.424272	0.003867	0.00759
ENSMUSG00000021948	PRKCD	0.341845	0.118339	0.003869	0.007593
ENSMUSG00000032860	P2RY2	-0.61996	0.214628	0.003871	0.007596
ENSMUSG00000019852	ARFGEF3	1.138651	0.394555	0.003903	0.007658
ENSMUSG00000025025	MXI1	-0.52956	0.183519	0.003907	0.007665
ENSMUSG00000081058	HIST2H3C2	1.675785	0.580749	0.003907	0.007665
ENSMUSG00000052144	PPP4R2	0.30931	0.107196	0.003909	0.007667
ENSMUSG00000026782	ABI2	-0.3699	0.128202	0.00391	0.00767
ENSMUSG00000024878	CBWD1	0.288791	0.100095	0.003912	0.007672
ENSMUSG00000037890	WDR19	0.605729	0.209957	0.003914	0.007675
ENSMUSG00000079243	XIRP1	0.862404	0.298951	0.003917	0.00768
ENSMUSG00000031818	COX4I1	0.405582	0.140625	0.003925	0.007694
ENSMUSG00000079509	ZFX	0.372717	0.129261	0.003934	0.00771
ENSMUSG00000025933	TMEM14A	-0.44676	0.154992	0.003946	0.007734
ENSMUSG00000040759	CMTM5	-1.37312	0.476453	0.003952	0.007744
ENSMUSG000000106239	GM9260	1.644735	0.570698	0.003952	0.007744
ENSMUSG00000050240	HIC2	0.446655	0.155003	0.003957	0.007752
ENSMUSG00000028028	ALPK1	-0.49918	0.173253	0.003962	0.007761
ENSMUSG00000014813	STC1	0.505628	0.175495	0.003962	0.007761
ENSMUSG00000002416	NDUFB2	0.327384	0.113661	0.003972	0.00778
ENSMUSG00000033386	FRRS1	0.643415	0.223382	0.003973	0.00778
ENSMUSG00000040495	CHRM4	1.848859	0.641936	0.003975	0.007784
ENSMUSG00000095677	DYNLT1F	0.442322	0.153611	0.003983	0.007799
ENSMUSG00000032344	CGAS	0.611316	0.212311	0.003985	0.007802
ENSMUSG00000068479	MFAP1A	-0.45274	0.157251	0.003988	0.007806
ENSMUSG00000041119	PDE9A	0.856356	0.297456	0.00399	0.007809
ENSMUSG00000045291	E330021D16RI	1.397887	0.485556	0.00399	0.007809
ENSMUSG00000021253	TGFB3	-0.67808	0.235628	0.004005	0.007837
ENSMUSG00000023805	SYNJ2	-0.66176	0.22999	0.00401	0.007846
ENSMUSG00000037369	KDM6A	-0.2705	0.094018	0.004013	0.007851
ENSMUSG00000033685	UCP2	0.478426	0.16634	0.004025	0.007873
ENSMUSG00000028944	PRKAG2	-0.31183	0.108427	0.004028	0.007879
ENSMUSG00000000732	ICOSL	0.50876	0.176912	0.00403	0.007882
ENSMUSG00000028637	CCDC30	0.649047	0.225724	0.004035	0.00789
ENSMUSG00000055805	FMNL1	0.387446	0.134872	0.00407	0.007957
ENSMUSG00000048440	CYP4F16	0.501651	0.174659	0.004076	0.007969
ENSMUSG00000032680	6820408C15RII	-0.75496	0.26288	0.00408	0.007976
ENSMUSG00000044365	CXXC4	-1.09784	0.382289	0.004082	0.007979
ENSMUSG00000052525	SPDYA	0.584341	0.203544	0.004094	0.008001
ENSMUSG00000004677	MYO9B	0.290067	0.101057	0.0041	0.008013
ENSMUSG00000073987	GGH	0.334121	0.116428	0.004108	0.008026
ENSMUSG00000047746	FBXO40	-1.12874	0.393399	0.004115	0.008039
ENSMUSG00000008429	HERPUD2	0.237514	0.082791	0.00412	0.008047
ENSMUSG00000052387	TRPM3	-0.9008	0.314132	0.004136	0.008079

ENSMUSG00000023267	GABRR2	0.490848	0.171196	0.004142	0.008088
ENSMUSG00000019813	CEP57L1	-0.52367	0.182684	0.00415	0.008104
ENSMUSG00000044952	KCTD21	-1.05698	0.36875	0.004152	0.008106
ENSMUSG00000033295	PTPRF	0.733106	0.255855	0.004166	0.008133
ENSMUSG00000020471	POLD2	-0.43181	0.150722	0.004171	0.008142
ENSMUSG00000048572	TMEM252	-0.44237	0.154456	0.004183	0.008164
ENSMUSG00000073130	GM1141	1.645562	0.574664	0.00419	0.008176
ENSMUSG00000027475	KIF3B	0.488694	0.170686	0.004195	0.008186
ENSMUSG00000036568	BICRAL	-0.30083	0.105116	0.004211	0.008216
ENSMUSG00000056493	FOXK1	0.263931	0.092243	0.00422	0.008232
ENSMUSG00000038618	RASSF7	1.274542	0.445565	0.00423	0.008251
ENSMUSG00000005803	SQOR	-0.36284	0.126881	0.004241	0.008271
ENSMUSG00000022805	MAATS1	1.125189	0.393518	0.004246	0.00828
ENSMUSG00000036181	HIST1H1C	1.147726	0.401425	0.004248	0.008284
ENSMUSG00000034083	CCDC174	0.349052	0.122098	0.004253	0.008292
ENSMUSG00000053647	GPER1	-0.73724	0.257954	0.004262	0.00831
ENSMUSG00000070645	REN1	-1.5155	0.530419	0.004274	0.008332
ENSMUSG00000035104	EVA1A	0.568794	0.199116	0.004282	0.008347
ENSMUSG00000038446	CDC40	0.25351	0.088757	0.004287	0.008356
ENSMUSG00000052516	ROBO2	-2.44302	0.855596	0.004299	0.008377
ENSMUSG00000040963	ASGR2	-1.51692	0.531416	0.004311	0.008399
ENSMUSG00000042389	TSEN2	0.440117	0.154192	0.004312	0.008402
ENSMUSG00000030724	CD19	0.902484	0.316209	0.004316	0.008408
ENSMUSG00000029073	CPTP	0.494834	0.173469	0.004337	0.008447
ENSMUSG00000044628	RNF208	-1.11	0.389186	0.004343	0.008458
ENSMUSG00000052214	OPA3	-0.23736	0.083223	0.004344	0.008459
ENSMUSG00000040540	GM9770	2.752331	0.965213	0.004351	0.008472
ENSMUSG00000003420	FCGRT	-0.40988	0.143745	0.004353	0.008474
ENSMUSG00000031292	CDKL5	-0.77973	0.273486	0.004357	0.008481
ENSMUSG00000042502	CD2BP2	0.261457	0.091719	0.004363	0.008493
ENSMUSG00000052928	CTIF	0.335031	0.11756	0.004373	0.008512
ENSMUSG00000025480	SYCE1	1.717872	0.602819	0.004376	0.008515
ENSMUSG00000037818	ABHD18	-0.77722	0.272854	0.004393	0.008547
ENSMUSG00000046432	BEX3	0.439329	0.154244	0.004396	0.008552
ENSMUSG00000029798	HERC6	-0.59223	0.207933	0.004397	0.008554
ENSMUSG00000111590	OLFR1192-PS1	0.624118	0.219134	0.004398	0.008555
ENSMUSG00000031922	CEP57	-0.32221	0.11315	0.004405	0.008566
ENSMUSG00000047733	TMEM262	1.693799	0.594982	0.004416	0.008588
ENSMUSG00000027371	FAHD2A	0.561237	0.197194	0.004426	0.008605
ENSMUSG00000078572	NDUFAF8	0.413824	0.145407	0.004428	0.008608
ENSMUSG00000005958	EPHB3	-0.94114	0.330719	0.004431	0.008613
ENSMUSG00000021730	HCN1	1.219407	0.428508	0.004431	0.008614
ENSMUSG00000003665	HAS1	3.256568	1.144441	0.004433	0.008617
ENSMUSG00000044303	CDKN2A	1.453845	0.510998	0.00444	0.008628
ENSMUSG00000063894	ZKSCAN8	-0.57366	0.201635	0.00444	0.008628
ENSMUSG00000105529	GM9480	1.703063	0.598618	0.004441	0.008629
ENSMUSG00000035845	ALG12	-0.34966	0.12293	0.004449	0.008644
ENSMUSG00000039943	PLCB4	-0.27427	0.096427	0.004451	0.008646
ENSMUSG00000032842	ABCC10	-0.51347	0.18059	0.004465	0.008672
ENSMUSG00000064105	CNNM2	-0.36116	0.127027	0.004467	0.008674

ENSMUSG00000073532	GM7276	-2.11995	0.745817	0.004477	0.008693
ENSMUSG00000050796	B3GALT6	0.385436	0.135629	0.004485	0.008706
ENSMUSG00000036275	9530068E07RII	0.234501	0.082522	0.004488	0.00871
ENSMUSG00000041440	GK5	-0.51091	0.179852	0.004501	0.008735
ENSMUSG00000095295	GM3488	0.914325	0.321951	0.004512	0.008755
ENSMUSG00000070000	FCHO1	0.999767	0.352171	0.004527	0.008784
ENSMUSG00000025488	COX8B	0.405265	0.142773	0.004532	0.008793
ENSMUSG00000054666	OLFR63	0.705474	0.248576	0.004539	0.008804
ENSMUSG00000086784	ISOC2A	0.7518	0.264903	0.004539	0.008805
ENSMUSG00000082277	GM15807	1.453937	0.512321	0.004541	0.008806
ENSMUSG00000022867	USP25	-0.27696	0.097596	0.004542	0.008807
ENSMUSG00000030337	VAMP1	-0.36339	0.128056	0.004544	0.00881
ENSMUSG00000030170	WNT5B	-1.19307	0.420449	0.004545	0.008812
ENSMUSG00000041429	NTHL1	-0.51547	0.181663	0.004547	0.008814
ENSMUSG00000037754	PPP1R16B	-0.6576	0.231801	0.004555	0.008829
ENSMUSG00000028567	TXNDC12	-0.3182	0.112182	0.004562	0.008841
ENSMUSG00000049555	TMIE	-1.04453	0.368299	0.004567	0.00885
ENSMUSG00000006310	ZBTB32	0.709554	0.250212	0.004571	0.008856
ENSMUSG00000021102	GLRX5	0.311945	0.110035	0.004583	0.008878
ENSMUSG00000027519	RAB22A	-0.24965	0.088062	0.004583	0.008878
ENSMUSG00000057177	GSK3A	0.234662	0.082789	0.004591	0.008892
ENSMUSG00000032611	1700102P08RII	-1.06795	0.376794	0.004592	0.008894
ENSMUSG00000099481	XNDC1	-0.58638	0.206895	0.004594	0.008897
ENSMUSG00000020787	P2RX1	1.171726	0.413491	0.004601	0.008908
ENSMUSG00000055681	COPE	0.268048	0.094606	0.004607	0.008919
ENSMUSG00000033735	SPR	-0.34897	0.123178	0.004611	0.008926
ENSMUSG00000075144	OLFR1156	-0.4333	0.15296	0.004615	0.008932
ENSMUSG00000064215	IFI27	-0.32295	0.114005	0.004615	0.008933
ENSMUSG00000025173	WDR45B	0.257311	0.090857	0.004625	0.00895
ENSMUSG00000031310	ZMYM3	-0.50832	0.179545	0.004638	0.008974
ENSMUSG00000053436	MAPK14	-0.32944	0.116378	0.004644	0.008985
ENSMUSG00000033182	KBTBD12	0.268741	0.094969	0.004658	0.009011
ENSMUSG00000031548	SFRP1	-1.01559	0.358917	0.004661	0.009015
ENSMUSG00000039377	HLX	0.639739	0.226114	0.004665	0.009023
ENSMUSG00000060445	SYCP2	0.837494	0.296118	0.00468	0.009051
ENSMUSG00000019738	POLR2I	0.321889	0.113887	0.004708	0.009103
ENSMUSG00000000486	Sep-01	0.49785	0.176193	0.004719	0.009124
ENSMUSG00000038126	MPHOSPH9	-0.5684	0.201228	0.004733	0.009148
ENSMUSG00000070469	ADAMTSL3	-0.84978	0.300839	0.004732	0.009148
ENSMUSG00000028773	FABP3	-0.34712	0.122893	0.004735	0.009151
ENSMUSG00000045045	LRFN4	-0.56856	0.201309	0.004738	0.009157
ENSMUSG00000026082	REV1	-0.43399	0.153666	0.004739	0.009157
ENSMUSG00000040690	COL16A1	0.6123	0.216804	0.00474	0.009157
ENSMUSG00000066705	FXVD6	-0.56536	0.200194	0.004742	0.009161
ENSMUSG00000039156	STIM2	0.330291	0.116985	0.004752	0.00918
ENSMUSG00000030704	RAB6A	-0.23336	0.082677	0.004765	0.009203
ENSMUSG00000030272	CAMK1	0.532728	0.188778	0.004773	0.009215
ENSMUSG00000025747	TYMS	1.017552	0.360631	0.004779	0.009225
ENSMUSG000000107741	GM2011	0.617046	0.218726	0.004786	0.009239
ENSMUSG00000038146	NOTCH3	-0.80938	0.286994	0.004799	0.009263

ENSMUSG00000035896	RNASE1	-2.05711	0.729624	0.004811	0.009285
ENSMUSG00000031877	CES2G	-0.58561	0.207749	0.00482	0.0093
ENSMUSG00000021640	NAIP1	1.684707	0.59769	0.004822	0.009304
ENSMUSG00000022437	SAMM50	0.355797	0.126231	0.004823	0.009305
ENSMUSG00000064367	MT-ND5	-0.62928	0.223358	0.004842	0.00934
ENSMUSG00000043831	LYSMD4	0.6922	0.245698	0.004843	0.009341
ENSMUSG00000009185	CCL8	1.62646	0.577418	0.004851	0.009354
ENSMUSG00000034659	TMEM109	-0.41935	0.148876	0.004851	0.009354
ENSMUSG00000036285	NOA1	-0.27988	0.099363	0.004852	0.009354
ENSMUSG00000096006	GM21596	-1.82423	0.647752	0.004859	0.009366
ENSMUSG00000096768	GM47283	1.016869	0.36107	0.004858	0.009366
ENSMUSG00000020635	FKBP1B	0.713353	0.253326	0.004863	0.009374
ENSMUSG00000034789	RAB24	0.238229	0.084603	0.004865	0.009376
ENSMUSG00000027562	CAR2	-0.44718	0.158838	0.004873	0.00939
ENSMUSG00000027823	GMPS	0.234351	0.083254	0.004879	0.009402
ENSMUSG00000024785	RCL1	0.448355	0.159364	0.004902	0.009444
ENSMUSG00000026812	TSC1	0.242041	0.086034	0.004903	0.009445
ENSMUSG00000035566	PCDH17	-0.53409	0.189865	0.004908	0.009453
ENSMUSG00000063171	RPS4L	0.39105	0.139031	0.004913	0.009462
ENSMUSG00000060438	RPS10-PS1	1.673698	0.595072	0.004914	0.009464
ENSMUSG00000018500	ADORA2B	1.054823	0.375121	0.004924	0.009482
ENSMUSG00000041718	ALG13	0.463584	0.164871	0.004927	0.009485
ENSMUSG00000039682	LAP3	-0.26822	0.095393	0.004928	0.009487
ENSMUSG00000001039	B9D1	-0.57175	0.203374	0.004934	0.009496
ENSMUSG00000033904	CCP110	0.618976	0.220171	0.004934	0.009496
ENSMUSG00000022828	GTF2E1	0.301023	0.107096	0.004942	0.009509
ENSMUSG00000031570	PLPP5	-0.32256	0.114758	0.004942	0.009509
ENSMUSG00000022231	SEMA5A	-0.44229	0.157387	0.004951	0.009525
ENSMUSG00000025386	PDE6G	1.014671	0.361082	0.004953	0.009528
ENSMUSG00000038457	TMEM255B	-0.63832	0.227187	0.004959	0.009538
ENSMUSG00000111269	GM47933	-0.55401	0.197176	0.004959	0.009538
ENSMUSG00000065954	TACC1	-0.3295	0.117279	0.004962	0.009542
ENSMUSG00000033066	GAS7	0.422474	0.150387	0.004966	0.009549
ENSMUSG00000069662	MARCKS	0.244324	0.086978	0.004969	0.009554
ENSMUSG00000079502	CFAP77	1.585173	0.56432	0.00497	0.009554
ENSMUSG00000022964	TMEM50B	-0.35445	0.126197	0.004975	0.009562
ENSMUSG00000021408	RIPK1	0.323553	0.115206	0.004978	0.009567
ENSMUSG00000082765	GM14411	-2.30579	0.821177	0.004986	0.009583
ENSMUSG00000029830	SVOPL	-1.02785	0.366061	0.004987	0.009583
ENSMUSG00000032228	TCF12	-0.28467	0.101393	0.004991	0.009589
ENSMUSG00000021939	CTSB	0.254177	0.09054	0.004995	0.009597
ENSMUSG00000004642	SLBP	0.302621	0.107801	0.004997	0.009599
ENSMUSG00000048047	ZBTB33	-0.33184	0.118355	0.005051	0.009701
ENSMUSG00000030979	UROS	0.407746	0.145459	0.00506	0.009718
ENSMUSG00000038831	RALGPS1	-0.31568	0.112639	0.00507	0.009736
ENSMUSG00000030302	ATP2B2	-1.02127	0.364488	0.00508	0.009753
ENSMUSG00000035495	TSTD2	-0.42061	0.15015	0.005091	0.009773
ENSMUSG00000107724	GM16042	-2.67856	0.956435	0.005101	0.009793
ENSMUSG00000023284	ZFP605	-0.59307	0.211834	0.005115	0.009817
ENSMUSG00000041890	GIT2	-0.26005	0.092883	0.005115	0.009817

ENSMUSG00000096910	ZFP955B	-0.33264	0.118845	0.005127	0.009839
ENSMUSG00000051341	ZFP52	0.682857	0.244025	0.005137	0.009857
ENSMUSG000000103793	PCDHGA6	-0.61747	0.220669	0.005139	0.009859
ENSMUSG00000031740	MMP2	-0.6743	0.241004	0.005144	0.009867
ENSMUSG00000026856	DOLPP1	0.333263	0.119177	0.005168	0.009913
ENSMUSG00000019087	ATP6AP1	0.232167	0.083053	0.005184	0.009942
ENSMUSG00000003273	CAR11	-0.54918	0.196481	0.005189	0.00995
ENSMUSG00000038059	SMIM3	0.791842	0.283337	0.005195	0.009961
ENSMUSG00000039960	RHO	0.548321	0.196242	0.005204	0.009978
ENSMUSG00000035247	HECTD1	-0.23318	0.083458	0.005207	0.009981
ENSMUSG00000027412	LPIN3	0.486029	0.173966	0.005209	0.009985
ENSMUSG00000035351	NUP37	-0.37384	0.133843	0.00522	0.010005
ENSMUSG00000028458	TESK1	-0.30061	0.10765	0.00523	0.010023
ENSMUSG00000026280	ATG4B	0.334041	0.119672	0.00525	0.010059
ENSMUSG00000032596	UBA7	-0.46757	0.167564	0.005265	0.010087
ENSMUSG00000041216	CLVS1	-1.83712	0.658623	0.005282	0.010118
ENSMUSG00000090141	GM614	0.854954	0.306583	0.005293	0.010138
ENSMUSG00000037907	ANKRD13B	-0.26836	0.096239	0.005295	0.010142
ENSMUSG00000027865	GDAP2	0.338197	0.121323	0.005311	0.01017
ENSMUSG00000036986	PML	-0.44231	0.158717	0.005324	0.010194
ENSMUSG00000022847	THPO	-1.23849	0.444489	0.005331	0.010207
ENSMUSG00000017400	STAC2	0.932095	0.334539	0.005333	0.010208
ENSMUSG00000025059	GK	0.243439	0.087373	0.005333	0.010208
ENSMUSG00000071847	APCDD1	-1.06541	0.382385	0.005332	0.010208
ENSMUSG00000000282	MNT	0.605812	0.217462	0.005339	0.010218
ENSMUSG00000026966	SSNA1	0.253498	0.091018	0.00535	0.010238
ENSMUSG00000029864	GSTK1	0.559548	0.20096	0.005363	0.010261
ENSMUSG00000033055	ANKRD54	0.394569	0.14172	0.005367	0.010267
ENSMUSG00000048852	GM12185	-1.01483	0.364536	0.005371	0.010274
ENSMUSG00000015289	LAGE3	0.271753	0.097629	0.005377	0.010284
ENSMUSG00000026097	ORMDL1	-0.32323	0.116123	0.005377	0.010284
ENSMUSG00000045094	ARHGEF37	-0.4111	0.147726	0.005388	0.010304
ENSMUSG00000019877	SERINC1	0.228324	0.082131	0.005436	0.010394
ENSMUSG00000027895	KCNC4	-1.44091	0.518376	0.005441	0.010403
ENSMUSG000000104876	TRDC	1.55328	0.558947	0.005454	0.010425
ENSMUSG00000021670	HMGCR	0.467239	0.168177	0.005465	0.010446
ENSMUSG00000047368	ABHD17B	0.286113	0.102992	0.005469	0.010453
ENSMUSG00000078894	2210418O10RI	-0.39415	0.141885	0.00547	0.010453
ENSMUSG00000003282	PLAG1	0.553814	0.199382	0.005475	0.010462
ENSMUSG00000006717	ACOT13	0.267203	0.096219	0.005486	0.010481
ENSMUSG00000024104	WASHC2	0.310339	0.111784	0.005499	0.010505
ENSMUSG00000029352	CRYBB3	0.818822	0.294975	0.005505	0.010515
ENSMUSG00000027829	CCNL1	0.346046	0.124716	0.005526	0.010551
ENSMUSG00000045251	ZFP688	0.687108	0.247756	0.005549	0.010594
ENSMUSG00000020238	NCLN	-0.29804	0.107476	0.005553	0.010601
ENSMUSG00000038143	STOX2	-0.41948	0.151297	0.005561	0.010616
ENSMUSG00000003068	STK11	0.230053	0.082979	0.005564	0.010617
ENSMUSG00000021816	PPP3CB	-0.23403	0.084414	0.005563	0.010617
ENSMUSG00000022707	GBE1	0.477141	0.172099	0.005563	0.010617
ENSMUSG00000029344	TPST2	0.302489	0.109119	0.005569	0.010626

ENSMUSG00000059839	ZFP874B	-0.2912	0.105048	0.00557	0.010627
ENSMUSG00000052727	MAP1B	0.473593	0.170854	0.005573	0.01063
ENSMUSG00000031026	TRIM66	-1.44753	0.52223	0.005574	0.010632
ENSMUSG00000022816	FSTL1	0.454112	0.163839	0.005577	0.010635
ENSMUSG00000027710	ACAD9	0.258374	0.093222	0.005578	0.010637
ENSMUSG00000046916	MYCT1	-0.82798	0.298892	0.005603	0.010683
ENSMUSG00000075176	OLFR1085	-1.53229	0.553162	0.005605	0.010685
ENSMUSG00000056763	CSPP1	0.503944	0.181979	0.005619	0.01071
ENSMUSG00000028862	MAP3K6	1.067837	0.385629	0.005621	0.010715
ENSMUSG000000107770	GM44126	0.608542	0.219852	0.005641	0.010751
ENSMUSG00000034959	RUBCNL	0.596193	0.215433	0.00565	0.010767
ENSMUSG00000075702	SELENOM	0.24711	0.089333	0.005672	0.010807
ENSMUSG00000035868	ZFP983	-0.53084	0.191909	0.005673	0.010808
ENSMUSG00000032661	OAS3	0.674485	0.243893	0.005684	0.010826
ENSMUSG00000036672	CENPT	0.612182	0.221363	0.005683	0.010826
ENSMUSG00000035069	OMA1	-0.39165	0.141667	0.005699	0.010855
ENSMUSG00000024566	ATP9B	0.236724	0.085639	0.005706	0.010866
ENSMUSG00000091387	GCNT4	0.980109	0.354619	0.005713	0.010877
ENSMUSG00000023143	NAGPA	-0.33793	0.122304	0.005727	0.010904
ENSMUSG00000027305	NDUFAF1	0.360602	0.130569	0.005749	0.010944
ENSMUSG00000026933	CAMSAP1	-0.39557	0.14324	0.005752	0.010948
ENSMUSG00000034173	ZBED5	0.767186	0.277821	0.005755	0.010953
ENSMUSG00000016181	DIEXF	-0.4872	0.176445	0.005759	0.01096
ENSMUSG00000091275	GM3248	0.91837	0.332685	0.005772	0.010983
ENSMUSG00000040125	GPR26	1.689352	0.612052	0.005778	0.010992
ENSMUSG00000025925	TERF1	0.358856	0.13002	0.00578	0.010996
ENSMUSG00000015709	ARNT2	0.898392	0.325528	0.005784	0.011002
ENSMUSG00000029695	AASS	-1.30783	0.473916	0.005787	0.011007
ENSMUSG00000067344	RPS25-PS1	1.901739	0.689426	0.005808	0.011045
ENSMUSG00000051998	LAX1	0.915715	0.331993	0.005811	0.011051
ENSMUSG00000033184	TMED7	0.240548	0.087213	0.005812	0.011051
ENSMUSG00000029299	ABCG3	0.885577	0.321101	0.005817	0.011058
ENSMUSG00000037443	CEP85	-0.55233	0.20035	0.005837	0.011095
ENSMUSG00000069515	LYZ1	0.911678	0.330718	0.005839	0.011099
ENSMUSG00000040359	UFL1	-0.25458	0.09236	0.005845	0.011107
ENSMUSG00000038485	SOCS7	0.368518	0.133699	0.005846	0.011108
ENSMUSG00000062257	OPCML	-1.02721	0.372687	0.005847	0.011111
ENSMUSG00000019124	SCRN1	-0.59027	0.214221	0.005862	0.011136
ENSMUSG00000058441	PANX2	-0.88922	0.322724	0.005863	0.011137
ENSMUSG000000110040	GM49369	0.420703	0.152692	0.005865	0.01114
ENSMUSG00000022791	TNK2	-0.39985	0.145138	0.005871	0.011149
ENSMUSG00000019806	AIG1	-0.44031	0.159868	0.005884	0.011172
ENSMUSG00000038894	IRS2	0.426999	0.155035	0.005883	0.011172
ENSMUSG00000030156	CD69	1.033373	0.375309	0.005898	0.011198
ENSMUSG00000036160	SURF6	0.375697	0.136476	0.005908	0.011216
ENSMUSG00000022105	RB1	0.407623	0.148099	0.005917	0.011231
ENSMUSG00000075161	OLFR1109	1.385905	0.503588	0.005922	0.01124
ENSMUSG000000111477	GM47668	-1.09057	0.39635	0.005932	0.011257
ENSMUSG00000020627	KLHL29	0.787897	0.286353	0.005933	0.011257
ENSMUSG00000092376	GM19203	1.605681	0.583699	0.005944	0.011277

ENSMUSG00000010660	PLCD1	-0.3677	0.133673	0.005946	0.01128
ENSMUSG00000039683	SDK1	-0.90378	0.328562	0.005947	0.01128
ENSMUSG00000025366	ESYT1	0.293669	0.106773	0.005952	0.011289
ENSMUSG00000082860	GM13204	-0.75936	0.276167	0.005966	0.011315
ENSMUSG00000070691	RUNX3	0.90959	0.330867	0.005976	0.011331
ENSMUSG00000027510	RBM38	-0.58955	0.214494	0.005986	0.011349
ENSMUSG00000029298	GBP9	-0.75036	0.273012	0.005988	0.011351
ENSMUSG00000031820	BABAM1	0.261984	0.095325	0.00599	0.011355
ENSMUSG00000012640	ZFP715	-0.333	0.121168	0.005992	0.011356
ENSMUSG00000025885	MYO5B	-0.31793	0.115693	0.005995	0.011361
ENSMUSG00000028426	RAD23B	-0.22909	0.083367	0.005997	0.011364
ENSMUSG00000074064	MLYCD	-0.40082	0.145886	0.006006	0.011379
ENSMUSG00000028797	TMEM234	0.239787	0.087285	0.006011	0.011388
ENSMUSG00000039579	GRIN3A	1.225158	0.446056	0.006021	0.011405
ENSMUSG00000074358	CCDC61	-0.46632	0.169791	0.006025	0.011412
ENSMUSG00000039128	CDC123	0.32276	0.117537	0.006032	0.011424
ENSMUSG00000021193	PITRM1	-0.25428	0.092609	0.006038	0.011434
ENSMUSG00000020775	MRPL38	0.4172	0.151978	0.006049	0.011453
ENSMUSG00000034248	SLC25A37	-0.26346	0.096004	0.006065	0.011483
ENSMUSG00000004317	CLCN5	0.516223	0.188115	0.006066	0.011484
ENSMUSG00000071723	GSPT2	0.722824	0.263434	0.006072	0.011494
ENSMUSG00000025163	CD7	1.291738	0.470796	0.006075	0.011496
ENSMUSG000000110423	GM45736	2.598898	0.947221	0.006075	0.011496
ENSMUSG00000043572	PARS2	-0.43756	0.159516	0.006087	0.011517
ENSMUSG00000054320	LRRC36	-0.85457	0.311591	0.006095	0.011532
ENSMUSG00000024897	APBA1	-0.52663	0.192036	0.006101	0.011541
ENSMUSG00000055541	LAIR1	0.940067	0.342833	0.006106	0.011549
ENSMUSG00000021596	MCTP1	0.768578	0.280349	0.006116	0.011567
ENSMUSG000000109328	OLFR1438-PS1	-0.8771	0.319976	0.006123	0.011579
ENSMUSG00000071537	KLRG2	0.81745	0.298243	0.006127	0.011587
ENSMUSG00000068114	CCDC134	0.464131	0.16938	0.006141	0.011611
ENSMUSG00000094156	SULT2A7	0.917689	0.335132	0.006176	0.011676
ENSMUSG00000024258	POLR2D	0.29104	0.106334	0.0062	0.01172
ENSMUSG00000027531	IMPA1	-0.30411	0.111136	0.006213	0.011743
ENSMUSG00000039167	ADGRL4	-0.3646	0.133246	0.006213	0.011743
ENSMUSG00000074736	SYNDIG1	1.341308	0.490207	0.006215	0.011745
ENSMUSG00000020380	RAD50	-0.35849	0.131076	0.006238	0.011786
ENSMUSG00000037991	RMI2	-0.71647	0.26203	0.006251	0.011811
ENSMUSG00000030917	TMEM159	-0.42861	0.15681	0.00627	0.011844
ENSMUSG00000030882	DNHD1	0.84835	0.31038	0.006271	0.011845
ENSMUSG00000040746	RNF167	0.313376	0.114682	0.006284	0.011869
ENSMUSG00000074749	KIZ	-0.59709	0.218514	0.006286	0.01187
ENSMUSG00000037366	PAFAH2	0.338991	0.124065	0.006288	0.011873
ENSMUSG000000109584	GM7997	-1.37757	0.504187	0.00629	0.011876
ENSMUSG00000020211	SF3A2	0.269884	0.098788	0.006296	0.011883
ENSMUSG00000036639	NUDT1	0.375496	0.137445	0.006296	0.011883
ENSMUSG00000036822	TOPORS	0.259378	0.09494	0.006295	0.011883
ENSMUSG00000033837	FOXH1	1.418389	0.519278	0.006305	0.011899
ENSMUSG00000054737	ZFP182	-0.40589	0.1486	0.006306	0.0119
ENSMUSG00000002728	NAA20	-0.25297	0.092683	0.006344	0.01197

ENSMUSG00000056592	ZFP658	-0.56205	0.205945	0.00635	0.01198
ENSMUSG00000050350	GPR18	1.977186	0.724622	0.006361	0.011999
ENSMUSG00000081895	RPL17-PS10	2.042673	0.748701	0.006366	0.012008
ENSMUSG00000032570	ATP2C1	0.244446	0.089608	0.006373	0.012019
ENSMUSG00000032740	CCDC88A	0.442385	0.16218	0.006377	0.012025
ENSMUSG00000032114	SLC37A4	-0.70511	0.258514	0.00638	0.01203
ENSMUSG00000019254	PPP1R12C	0.235623	0.08641	0.006395	0.012057
ENSMUSG00000046605	B3GNTL1	-0.44419	0.16291	0.006399	0.012062
ENSMUSG00000038193	HAND2	-0.55352	0.203046	0.006409	0.012081
ENSMUSG00000054612	MGMT	-0.33695	0.123609	0.006412	0.012084
ENSMUSG00000030259	RASSF8	0.256623	0.09415	0.006417	0.012092
ENSMUSG00000089722	CD300LD5	-2.7719	1.017037	0.006421	0.012099
ENSMUSG00000019027	DNAH1	1.010492	0.370765	0.006422	0.012099
ENSMUSG00000047632	FGFBP3	0.571588	0.209727	0.006423	0.012099
ENSMUSG00000039813	TBC1D2	0.463581	0.170149	0.006439	0.012128
ENSMUSG00000067017	GM3608	0.867659	0.318487	0.006444	0.012136
ENSMUSG00000021782	DLG5	0.395677	0.145247	0.006447	0.01214
ENSMUSG00000037287	TBCEL	-0.34763	0.127617	0.006449	0.012144
ENSMUSG00000057497	FAM136A	-0.2429	0.089177	0.006453	0.012151
ENSMUSG00000026035	PPIL3	0.284098	0.104313	0.006459	0.01216
ENSMUSG00000020826	NOS2	-0.35358	0.12984	0.006465	0.01217
ENSMUSG00000009621	VAV2	-0.36108	0.132613	0.006473	0.012184
ENSMUSG00000029007	AGTRAP	-0.31161	0.114447	0.006474	0.012184
ENSMUSG00000073380	ARRDC5	-2.12738	0.78136	0.006476	0.012186
ENSMUSG00000058809	HSPD1-PS3	-1.13027	0.41522	0.006487	0.012203
ENSMUSG00000022978	MIS18A	0.612985	0.225315	0.006517	0.012258
ENSMUSG00000024163	MAPK8IP3	-0.22772	0.083749	0.006545	0.01231
ENSMUSG00000090963	GM17655	-0.95777	0.352279	0.006552	0.012322
ENSMUSG00000071073	LRRC73	0.82964	0.305198	0.00656	0.012335
ENSMUSG00000023274	CD4	-0.8136	0.299307	0.006562	0.012337
ENSMUSG00000000088	COX5A	0.385631	0.141906	0.006578	0.012365
ENSMUSG00000083505	GM7541	1.471539	0.541508	0.006578	0.012365
ENSMUSG00000095304	PLAC9A	1.293425	0.47608	0.006591	0.012388
ENSMUSG00000021260	HHIPL1	-0.52923	0.19484	0.006603	0.012408
ENSMUSG00000041120	NBL1	-0.38493	0.14172	0.006606	0.012411
ENSMUSG00000044405	ADIG	1.081198	0.398071	0.006606	0.012411
ENSMUSG00000007817	ZMIZ1	-0.25245	0.092986	0.00663	0.012454
ENSMUSG00000046191	PCDHB20	-0.74781	0.275447	0.00663	0.012454
ENSMUSG00000022864	D16ERTD472E	0.561846	0.206972	0.006636	0.012463
ENSMUSG00000040274	CDK6	-0.45075	0.166069	0.006643	0.012475
ENSMUSG00000019809	PEX3	0.304932	0.112359	0.006649	0.012486
ENSMUSG00000079197	PSME2	0.24635	0.090787	0.006658	0.0125
ENSMUSG00000027782	KPNA4	0.301642	0.111172	0.006662	0.012507
ENSMUSG00000028696	IPP	-0.35774	0.131854	0.006665	0.012511
ENSMUSG00000025915	SGK3	-0.55709	0.205335	0.006666	0.012512
ENSMUSG00000045098	KMT5B	-0.24508	0.090337	0.006668	0.012514
ENSMUSG00000027955	FAM198B	0.424578	0.156505	0.00667	0.012517
ENSMUSG00000066975	CRYBA4	-0.52439	0.193408	0.006701	0.012574
ENSMUSG00000034993	VAT1	0.492902	0.181835	0.006714	0.012596
ENSMUSG00000036769	WDR44	0.285888	0.105467	0.006715	0.012596

ENSMUSG00000003072	ATP5D	0.4022	0.148381	0.006716	0.012598
ENSMUSG00000074738	FNDC10	-0.77081	0.284458	0.006734	0.012629
ENSMUSG00000073664	NBEAL1	-0.2676	0.098765	0.006739	0.012637
ENSMUSG00000021264	YY1	-0.24588	0.090793	0.006767	0.012688
ENSMUSG00000073435	NME3	-0.44621	0.164783	0.006772	0.012697
ENSMUSG00000096140	ANKRD66	2.495055	0.921433	0.006773	0.012697
ENSMUSG00000070304	SCN2B	-0.78714	0.2907	0.006775	0.012699
ENSMUSG00000027012	DYNC1I2	0.224374	0.082877	0.006783	0.012713
ENSMUSG00000042460	C1GALT1	-0.3369	0.12445	0.006787	0.01272
ENSMUSG00000014361	MERTK	0.365051	0.134854	0.006789	0.012722
ENSMUSG00000054850	SMIM10L2A	-1.10377	0.407844	0.006803	0.012746
ENSMUSG00000025145	LRRC45	-0.51579	0.190598	0.006806	0.012751
ENSMUSG00000021643	SERF1	0.365646	0.135168	0.006828	0.012791
ENSMUSG00000003421	NOSIP	0.26331	0.097346	0.006833	0.012798
ENSMUSG00000002105	SLC39A13	0.346051	0.127957	0.006842	0.012814
ENSMUSG00000039699	BATF2	-0.75795	0.28029	0.006848	0.012823
ENSMUSG00000054199	GON4L	-0.22768	0.084212	0.006858	0.012841
ENSMUSG00000036446	LUM	-0.4429	0.163858	0.006872	0.012867
ENSMUSG00000005981	TRAP1	-0.28108	0.104057	0.006909	0.012933
ENSMUSG00000036437	NPY1R	-1.19785	0.443539	0.00692	0.012953
ENSMUSG00000015829	TNR	1.20279	0.44573	0.006966	0.013037
ENSMUSG00000027634	NDRG3	-0.46973	0.174124	0.006982	0.013066
ENSMUSG00000017832	HSPB9	1.208637	0.448086	0.00699	0.013079
ENSMUSG00000032526	SS18L2	0.225354	0.083569	0.007005	0.013104
ENSMUSG00000061518	COX5B	0.414919	0.153865	0.007004	0.013104
ENSMUSG00000075312	GM13597	0.525357	0.194829	0.007007	0.013107
ENSMUSG00000030159	CLEC1B	0.913108	0.338658	0.007012	0.013116
ENSMUSG00000024803	ANKRD1	1.040104	0.385867	0.007028	0.013144
ENSMUSG00000036833	PNPLA7	-0.34684	0.128681	0.007032	0.013147
ENSMUSG00000044068	ZRSR1	-0.45421	0.168516	0.007031	0.013147
ENSMUSG00000015697	SETDB1	0.236049	0.087598	0.007046	0.013172
ENSMUSG00000031902	NFATC3	-0.32783	0.121665	0.007049	0.013176
ENSMUSG00000056383	AI987944	-0.36547	0.135683	0.007069	0.013213
ENSMUSG00000020003	PEX7	-0.29469	0.109455	0.007095	0.01326
ENSMUSG00000110963	ENSMUSG000C	-1.61285	0.599189	0.007108	0.013283
ENSMUSG00000074521	GM14327	-0.5425	0.201604	0.007126	0.013315
ENSMUSG00000048142	NAT8L	-1.15978	0.43111	0.007141	0.013341
ENSMUSG00000023170	GPS2	0.456984	0.169889	0.007147	0.013352
ENSMUSG00000089782	GM3531	1.588461	0.590613	0.007156	0.013366
ENSMUSG00000024594	PRRC1	0.323606	0.120329	0.007159	0.013371
ENSMUSG00000078674	MUP18	-3.15003	1.171319	0.00716	0.013371
ENSMUSG00000024404	RIOK3	0.763933	0.2841	0.007168	0.013384
ENSMUSG00000015750	APH1A	-0.22613	0.084098	0.007169	0.013384
ENSMUSG00000109929	GM45268	0.725759	0.269921	0.007171	0.013388
ENSMUSG00000028885	SMPDL3B	0.730514	0.271748	0.007184	0.013409
ENSMUSG00000064267	HVCN1	0.750784	0.279407	0.007208	0.013454
ENSMUSG00000070730	RMDN3	-0.37624	0.140036	0.007215	0.013464
ENSMUSG00000027947	IL6RA	0.350818	0.130603	0.007228	0.013488
ENSMUSG00000034290	NEK9	0.22856	0.08509	0.007229	0.013488
ENSMUSG00000063415	CYP26B1	-1.40081	0.521523	0.007231	0.013491

ENSMUSG00000046139	PATL1	-0.22661	0.084389	0.007247	0.013518
ENSMUSG00000026443	LRRN2	-0.52818	0.196712	0.007251	0.013526
ENSMUSG00000029103	LRPAP1	0.242902	0.090478	0.00726	0.01354
ENSMUSG00000020717	PECAM1	0.221933	0.082682	0.007271	0.013558
ENSMUSG00000029219	SLC10A4	1.291931	0.481577	0.007303	0.013617
ENSMUSG00000072762	4930522L14RIH	0.703205	0.262147	0.007308	0.013624
ENSMUSG00000029202	PDS5A	-0.22769	0.084899	0.007321	0.013648
ENSMUSG00000038555	REEP2	0.646437	0.241068	0.007328	0.01366
ENSMUSG00000042628	ZFYVE1	-0.28266	0.105417	0.007332	0.013665
ENSMUSG000000108162	GM20589	-0.96096	0.358507	0.007352	0.013701
ENSMUSG00000020810	CYGB	-0.89369	0.333526	0.007373	0.013738
ENSMUSG00000066592	GM7589	1.449509	0.540993	0.007377	0.013744
ENSMUSG00000084071	GM13378	-3.03447	1.132566	0.007378	0.013745
ENSMUSG00000033377	PALMD	-0.44487	0.16605	0.007381	0.013749
ENSMUSG00000002028	KMT2A	-0.26094	0.097435	0.007405	0.013791
ENSMUSG00000022490	PPP1R1A	-0.57261	0.213834	0.00741	0.013799
ENSMUSG00000051041	OLFML1	-1.52822	0.570724	0.007413	0.013805
ENSMUSG00000039298	CDK5RAP2	0.466856	0.174354	0.007414	0.013805
ENSMUSG00000000958	SLC7A7	0.580689	0.216889	0.007421	0.013815
ENSMUSG00000035863	PALM	-0.76851	0.287067	0.007426	0.013823
ENSMUSG00000042895	ABRA	0.828248	0.309384	0.007427	0.013823
ENSMUSG00000023411	NFATC4	-0.45674	0.170625	0.007431	0.01383
ENSMUSG00000031068	GLRX3	0.390529	0.145913	0.007441	0.013846
ENSMUSG00000001054	RMND5B	0.277115	0.103542	0.007443	0.013849
ENSMUSG00000049699	UCN2	1.401458	0.523661	0.007445	0.013851
ENSMUSG00000039246	LYPLAL1	0.625228	0.233645	0.007451	0.013862
ENSMUSG00000030036	MOGS	0.297158	0.111058	0.007457	0.013871
ENSMUSG00000025758	PLK4	0.618061	0.231005	0.007461	0.013877
ENSMUSG00000057842	ZFP595	-0.48355	0.180766	0.007473	0.013898
ENSMUSG00000031065	CDK16	0.220117	0.082301	0.007483	0.013915
ENSMUSG00000072720	MYO18B	0.377895	0.1413	0.007486	0.013918
ENSMUSG00000035597	PRPF39	0.232056	0.086775	0.00749	0.013925
ENSMUSG00000022199	SLC22A17	-0.72162	0.269852	0.007492	0.013925
ENSMUSG00000034320	SLC26A2	-0.31819	0.118988	0.007491	0.013925
ENSMUSG00000034818	CELF5	1.136752	0.425095	0.007493	0.013925
ENSMUSG00000021213	AKR1C13	0.705186	0.26372	0.007495	0.013929
ENSMUSG00000005968	TUFT1	0.728457	0.272492	0.007511	0.013955
ENSMUSG00000024410	RMC1	-0.26447	0.098933	0.007513	0.013957
ENSMUSG00000075232	AMD1	-0.24443	0.091457	0.007526	0.013982
ENSMUSG00000031703	ITFG1	0.297593	0.111353	0.007529	0.013984
ENSMUSG00000024669	CD5	1.423608	0.532818	0.007544	0.01401
ENSMUSG00000041926	RNPEP	-0.28534	0.106805	0.007549	0.014019
ENSMUSG00000024963	DNAJC4	-0.23507	0.088004	0.007559	0.014036
ENSMUSG00000010830	KDELR3	0.570337	0.213557	0.00757	0.014054
ENSMUSG00000020963	TSHR	1.442856	0.540256	0.00757	0.014054
ENSMUSG00000020930	CCDC103	0.973772	0.364631	0.007572	0.014056
ENSMUSG00000046491	C1QTNF2	-0.8818	0.330338	0.007599	0.014104
ENSMUSG00000000197	NALCN	-1.06335	0.398371	0.007602	0.014108
ENSMUSG00000045871	SLITRK6	-1.27715	0.478479	0.007603	0.014109
ENSMUSG00000022453	NAGA	0.240755	0.090207	0.007609	0.014119

ENSMUSG00000056938	ACBD4	-0.4102	0.153737	0.007626	0.014146
ENSMUSG00000062510	NSL1	0.971965	0.364274	0.007625	0.014146
ENSMUSG00000040936	ULK4	0.918102	0.344156	0.007637	0.014166
ENSMUSG00000029490	MFSD7A	-0.39478	0.148014	0.007649	0.014186
ENSMUSG00000031938	4931406C07RII	-0.30695	0.115101	0.007658	0.014201
ENSMUSG00000026017	CARF	0.553477	0.207664	0.007693	0.014264
ENSMUSG00000059495	ARHGEF12	0.224344	0.084185	0.007702	0.014279
ENSMUSG00000055027	SMYD1	-0.44584	0.167316	0.007707	0.014287
ENSMUSG00000082769	GM15793	1.150773	0.431977	0.007722	0.014314
ENSMUSG00000047497	ADAMTS12	-0.70145	0.263321	0.007726	0.014318
ENSMUSG00000087701	GM13493	1.59171	0.597541	0.007727	0.01432
ENSMUSG000000102976	ZC3H11A	0.244824	0.091956	0.007759	0.014377
ENSMUSG000000109925	GM45315	-3.82529	1.437978	0.00781	0.01447
ENSMUSG000000110841	GPX4-PS2	1.029039	0.386851	0.007813	0.014475
ENSMUSG00000031485	PLPBP	-0.24156	0.090838	0.007831	0.014506
ENSMUSG000000101122	GM17971	-0.73636	0.276925	0.007835	0.014513
ENSMUSG00000031642	SH3RF1	-0.34471	0.129723	0.007878	0.01459
ENSMUSG00000036533	CDC42EP3	-0.31958	0.120321	0.007907	0.014642
ENSMUSG000000107708	GM19131	-1.6195	0.610136	0.007947	0.014714
ENSMUSG00000030256	BHLHE41	0.5056	0.190528	0.007962	0.014741
ENSMUSG00000045620	ODF3L1	1.433646	0.540452	0.007986	0.014781
ENSMUSG00000051146	CAMK2N2	0.603264	0.227414	0.007985	0.014781
ENSMUSG00000025402	NAB2	0.342523	0.129127	0.007987	0.014783
ENSMUSG000000109654	GM3912	-0.99663	0.375789	0.007999	0.014803
ENSMUSG00000047344	LANCL3	-0.74581	0.28127	0.008012	0.014825
ENSMUSG00000030222	RERG	-0.62043	0.233996	0.008015	0.014829
ENSMUSG00000030811	FBXL19	0.504275	0.190198	0.008018	0.014833
ENSMUSG00000052613	PCDH15	-1.50171	0.566493	0.008028	0.01485
ENSMUSG000000104517	GM18407	0.913625	0.344771	0.00805	0.01489
ENSMUSG00000081051	GM15427	0.831412	0.313752	0.008052	0.01489
ENSMUSG00000020069	HNRNPH3	0.277966	0.104904	0.008056	0.014896
ENSMUSG00000016995	MATN4	-0.97275	0.367165	0.008065	0.014911
ENSMUSG00000035919	BBS9	-0.37884	0.143028	0.00808	0.014938
ENSMUSG00000029422	RSRC2	0.223164	0.084263	0.008087	0.01495
ENSMUSG00000029254	STAP1	0.650025	0.245493	0.008101	0.014973
ENSMUSG00000022961	SON	0.222488	0.084043	0.008114	0.014995
ENSMUSG00000022754	TMEM45A	0.780679	0.29498	0.008132	0.015027
ENSMUSG00000037410	TBC1D2B	-0.35567	0.134397	0.008135	0.015031
ENSMUSG00000099342	GM18180	1.16017	0.438413	0.008138	0.015035
ENSMUSG00000031390	AVPR2	1.203704	0.454941	0.008149	0.015054
ENSMUSG00000003680	TAF6L	0.240302	0.090824	0.00815	0.015054
ENSMUSG00000030509	ASB7	-0.45093	0.170434	0.008151	0.015054
ENSMUSG00000059851	KMT5C	-0.56733	0.214436	0.008153	0.015056
ENSMUSG00000035394	CFAP53	0.665477	0.251585	0.008166	0.015078
ENSMUSG00000020362	CNOT6	0.257128	0.097209	0.008167	0.015078
ENSMUSG00000066151	FKBP15	0.235679	0.08911	0.008174	0.01509
ENSMUSG00000081305	GM12879	2.119236	0.801886	0.008222	0.015177
ENSMUSG00000052560	CPNE8	0.618603	0.234131	0.008239	0.015207
ENSMUSG00000038141	TMEM181A	-0.22507	0.085208	0.008255	0.015235
ENSMUSG00000067768	XLR4B	1.743848	0.660229	0.008259	0.015241

ENSMUSG00000021028	MBIP	0.305537	0.115688	0.008265	0.01525
ENSMUSG00000038828	TMEM214	0.235092	0.089033	0.008278	0.015273
ENSMUSG00000064254	ETHE1	-0.23594	0.089355	0.008279	0.015273
ENSMUSG00000032126	HMB5	-0.29527	0.111833	0.008285	0.015279
ENSMUSG00000032643	FHL3	0.761194	0.288306	0.008285	0.015279
ENSMUSG00000043939	A530064D06RI	0.693765	0.262766	0.008285	0.015279
ENSMUSG00000024301	KIFC5B	0.86098	0.326112	0.008287	0.015281
ENSMUSG00000001604	TCEA3	-0.69052	0.261573	0.008294	0.015291
ENSMUSG00000054901	ARHGEF33	1.01637	0.385085	0.008307	0.015314
ENSMUSG00000078773	RAD54B	1.244303	0.47149	0.008313	0.015324
ENSMUSG00000020646	MBOAT2	0.432498	0.163942	0.008337	0.015364
ENSMUSG00000059134	OLFR814	-0.89185	0.338061	0.008336	0.015364
ENSMUSG00000034334	FAM151B	0.455253	0.172589	0.008345	0.015378
ENSMUSG00000024421	LAMA3	-1.01256	0.383974	0.008363	0.015409
ENSMUSG00000080850	GM12439	-0.32941	0.124978	0.008395	0.015466
ENSMUSG00000047965	RPL9-PS7	1.374751	0.521753	0.008417	0.015505
ENSMUSG00000035297	COPS4	0.243284	0.092356	0.008434	0.015534
ENSMUSG00000023467	TULP2	1.181832	0.448773	0.008452	0.015566
ENSMUSG00000015721	NLRP5	1.279938	0.486039	0.008453	0.015567
ENSMUSG00000079444	GM21981	-1.0677	0.405455	0.008455	0.015568
ENSMUSG00000026737	PIP4K2A	0.425605	0.161628	0.008458	0.015572
ENSMUSG00000019970	SGK1	0.561498	0.213343	0.008491	0.015631
ENSMUSG00000000869	IL4	-2.38941	0.908016	0.008502	0.01565
ENSMUSG00000028550	ATG4C	-0.59218	0.225139	0.008531	0.015701
ENSMUSG00000059995	ATXN7L3	0.223757	0.085076	0.008536	0.015709
ENSMUSG00000046807	LRRC75B	-0.55425	0.210807	0.008559	0.01575
ENSMUSG00000063430	WSCD2	-1.02757	0.390836	0.00856	0.01575
ENSMUSG00000029570	LFNG	0.427052	0.162448	0.008567	0.015762
ENSMUSG000000108314	PRKCZ2	-0.87082	0.331278	0.008572	0.015768
ENSMUSG00000022772	SENP5	0.474872	0.180662	0.008576	0.015774
ENSMUSG00000027165	B230118H07RI	0.359858	0.136909	0.008578	0.015776
ENSMUSG00000025816	SEC61A2	-0.34451	0.131129	0.008606	0.015827
ENSMUSG00000028661	EPHA8	1.507026	0.573663	0.008614	0.015838
ENSMUSG00000048058	LDLRAD3	-0.34272	0.130468	0.008618	0.015844
ENSMUSG00000019988	NEDD1	-0.46061	0.17538	0.00863	0.015864
ENSMUSG00000042508	DMTF1	-0.25662	0.097709	0.008631	0.015864
ENSMUSG00000098164	GM5493	-1.30999	0.498798	0.008632	0.015865
ENSMUSG00000046079	LRRC8D	0.304883	0.116128	0.008655	0.015905
ENSMUSG00000025477	INPP5A	0.225453	0.085877	0.008657	0.015908
ENSMUSG00000035640	CBARP	-0.65412	0.249211	0.008671	0.015931
ENSMUSG00000063065	MAPK3	0.236903	0.090266	0.008677	0.015942
ENSMUSG00000033024	KLRA9	-1.32012	0.503036	0.008683	0.015949
ENSMUSG00000023973	CNPY3	0.296263	0.112897	0.008686	0.015953
ENSMUSG00000022195	6030458C11RII	-0.44706	0.170373	0.00869	0.01596
ENSMUSG00000022347	A1BG	-1.80631	0.688498	0.008702	0.01598
ENSMUSG00000027357	CRLS1	0.24644	0.093949	0.008713	0.015998
ENSMUSG00000036450	HIF1AN	-0.21584	0.082288	0.008717	0.016004
ENSMUSG00000028979	MASP2	-1.22578	0.46734	0.008719	0.016006
ENSMUSG00000038697	TAF5L	0.25771	0.098259	0.008722	0.016007
ENSMUSG00000038736	NUDCD1	0.308043	0.117452	0.008723	0.016007

ENSMUSG00000074824	RSLCAN18	-0.47788	0.182204	0.008722	0.016007
ENSMUSG00000079362	GM43302	-2.73578	1.043113	0.008723	0.016007
ENSMUSG00000022708	ZBTB20	0.574428	0.219211	0.008782	0.016113
ENSMUSG00000031918	MTMR2	0.328932	0.125529	0.008783	0.016114
ENSMUSG00000040774	CEPT1	0.295014	0.112645	0.00882	0.016179
ENSMUSG00000056427	SLIT3	-0.54025	0.206312	0.00883	0.016195
ENSMUSG00000051375	PCDH1	-0.24124	0.092155	0.008849	0.01623
ENSMUSG00000025893	KBTBD3	0.245725	0.093875	0.008855	0.016239
ENSMUSG00000048410	ZFP407	0.404935	0.154726	0.008868	0.01626
ENSMUSG00000052684	JUN	0.395329	0.151077	0.008877	0.016276
ENSMUSG00000071657	BSCL2	-0.24847	0.094961	0.008881	0.016281
ENSMUSG00000022781	PAK2	0.221312	0.084582	0.008883	0.016282
ENSMUSG00000032175	TYK2	-0.50107	0.191523	0.00889	0.016293
ENSMUSG00000061462	OBSCN	-0.65823	0.251593	0.00889	0.016293
ENSMUSG00000022044	STMN4	0.852325	0.325828	0.0089	0.016306
ENSMUSG00000034829	NXNL1	1.155739	0.441812	0.008899	0.016306
ENSMUSG00000022941	RIPPLY3	-0.41288	0.157867	0.008913	0.016329
ENSMUSG00000014177	TVP23B	-0.33296	0.127332	0.008925	0.016349
ENSMUSG00000078240	GM3550	0.989629	0.378479	0.008929	0.016355
ENSMUSG00000036298	SLC2A13	-1.16825	0.446817	0.008933	0.01636
ENSMUSG00000018209	STK4	0.473015	0.181017	0.008973	0.016431
ENSMUSG00000081650	GM16181	-0.7644	0.292549	0.008978	0.016439
ENSMUSG00000023826	PRKN	0.330534	0.126512	0.008984	0.016448
ENSMUSG00000027811	4930579G24RI	0.525	0.200988	0.008999	0.016473
ENSMUSG00000033228	SCAF11	0.215737	0.082592	0.009	0.016473
ENSMUSG00000032377	PLSCR4	-1.14255	0.437474	0.009009	0.016489
ENSMUSG00000020155	KCNMB1	-0.55632	0.213023	0.009013	0.016495
ENSMUSG00000051346	SPRYD4	-0.30207	0.115685	0.009024	0.016512
ENSMUSG000000110637	GM7807	-1.64642	0.630552	0.009026	0.016514
ENSMUSG00000098208	GM8349	0.724427	0.277513	0.009043	0.016543
ENSMUSG00000031708	TECR	-0.60312	0.231102	0.009061	0.016574
ENSMUSG00000047428	DLK2	1.087875	0.416893	0.009068	0.016586
ENSMUSG00000028522	MIER1	0.288856	0.110729	0.009089	0.016623
ENSMUSG00000028456	UNC13B	-0.50094	0.192132	0.009126	0.016689
ENSMUSG00000093593	GM20683	-0.4519	0.173386	0.009152	0.016734
ENSMUSG00000092075	SERPINA4-PS1	-1.14505	0.439455	0.009171	0.016767
ENSMUSG00000058690	CCSER2	-0.32578	0.125037	0.009176	0.016774
ENSMUSG00000029687	EZH2	0.621699	0.238751	0.009215	0.016844
ENSMUSG00000039497	DSE	0.600475	0.230611	0.009218	0.016848
ENSMUSG00000029177	CENPA	-0.38372	0.147403	0.009235	0.016876
ENSMUSG00000031527	ERI1	0.340551	0.130823	0.009237	0.016879
ENSMUSG00000004038	GSTM3	2.170132	0.833755	0.009245	0.016892
ENSMUSG00000027215	CD82	-0.37934	0.145752	0.009251	0.016901
ENSMUSG00000046240	HEPACAM	2.002102	0.769405	0.009264	0.016923
ENSMUSG00000056144	TRIM34A	-0.60665	0.233241	0.009297	0.016976
ENSMUSG00000079469	PIGB	-0.31154	0.119792	0.009303	0.016987
ENSMUSG00000056673	KDM5D	-0.25551	0.098251	0.009307	0.016992
ENSMUSG00000024099	NDUFV2	0.329618	0.1268	0.009336	0.017042
ENSMUSG00000031591	ASAH1	-0.4613	0.177522	0.009361	0.017086
ENSMUSG00000070462	TLNRD1	0.252597	0.097206	0.009361	0.017086

ENSMUSG00000021708	RASGRF2	-0.37724	0.145185	0.009367	0.017093
ENSMUSG00000097333	ZFP87	0.45009	0.173219	0.009366	0.017093
ENSMUSG00000060373	HNRNPC	0.398536	0.15339	0.009372	0.017099
ENSMUSG00000026708	CENPL	0.892207	0.343462	0.009385	0.017122
ENSMUSG00000054321	TAF4B	0.313533	0.12074	0.009411	0.017166
ENSMUSG00000000142	AXIN2	-0.57943	0.223193	0.009429	0.017198
ENSMUSG00000074121	NTF5	-0.92476	0.356233	0.009433	0.017204
ENSMUSG00000027559	CAR3	-2.3	0.88602	0.009435	0.017205
ENSMUSG00000017679	TTPAL	0.326572	0.125829	0.009449	0.017228
ENSMUSG00000041046	RAMP3	0.656057	0.252782	0.00945	0.017228
ENSMUSG00000000552	ZFP385A	-0.34764	0.133967	0.009461	0.017246
ENSMUSG00000027332	IVD	-0.49905	0.19233	0.009465	0.017253
ENSMUSG00000006373	PGRMC1	0.544112	0.209753	0.009485	0.017285
ENSMUSG00000024052	LPIN2	0.374086	0.144208	0.009484	0.017285
ENSMUSG00000075470	ALG10B	-0.41272	0.159151	0.009507	0.017323
ENSMUSG00000068196	COL8A1	0.939095	0.362148	0.009511	0.017329
ENSMUSG00000090622	A930033H14RI	-0.50614	0.19522	0.009524	0.017351
ENSMUSG00000047370	GM7367	-2.26901	0.87544	0.009546	0.017387
ENSMUSG00000101059	GM4017	1.493436	0.576199	0.009545	0.017387
ENSMUSG00000022843	CLCN2	-0.34979	0.134999	0.009567	0.017424
ENSMUSG00000031998	1700128F08RII	-0.92562	0.35752	0.009626	0.017525
ENSMUSG00000061723	TNNT3	1.088112	0.420282	0.009625	0.017525
ENSMUSG00000093898	GM3629	1.52838	0.590321	0.009624	0.017525
ENSMUSG00000001946	ESAM	0.459019	0.177311	0.009632	0.017534
ENSMUSG00000022996	WNT10B	-1.3798	0.533024	0.009636	0.01754
ENSMUSG00000050222	IL17D	-0.41238	0.159311	0.009639	0.017544
ENSMUSG00000094347	OLFR784	0.687448	0.265583	0.009641	0.017545
ENSMUSG00000074217	2210011C24RII	-1.26246	0.488	0.009681	0.017616
ENSMUSG00000044330	GM9790	1.888176	0.729894	0.009684	0.017619
ENSMUSG00000059060	RAD51B	0.762553	0.294798	0.00969	0.017629
ENSMUSG00000043415	OTUD1	1.566128	0.605769	0.009728	0.017695
ENSMUSG00000030059	TMF1	0.322177	0.124625	0.009733	0.017703
ENSMUSG00000022779	TOP3B	-0.27606	0.106797	0.00974	0.017715
ENSMUSG00000097891	GM3650	0.881508	0.34103	0.009742	0.017716
ENSMUSG00000014198	ZFP385C	-1.30614	0.505318	0.009744	0.017716
ENSMUSG00000021714	CENPK	0.961636	0.372134	0.009763	0.01775
ENSMUSG00000039771	POLR2J	0.229006	0.08864	0.009779	0.017777
ENSMUSG00000099980	GM5619	0.833748	0.322723	0.009781	0.017779
ENSMUSG00000031709	TBC1D9	0.441767	0.171014	0.009788	0.01779
ENSMUSG00000033161	ATP1A1	-0.21783	0.084332	0.009792	0.017796
ENSMUSG00000060143	GM10076	1.021299	0.395462	0.009807	0.017821
ENSMUSG00000053519	KCNIP1	1.190126	0.460859	0.009811	0.017826
ENSMUSG00000019856	FAM184A	-0.74491	0.28846	0.009813	0.017827
ENSMUSG00000099034	2810039B14RII	0.447456	0.173288	0.009819	0.017836
ENSMUSG00000084081	GM12057	1.435837	0.556137	0.009828	0.017852
ENSMUSG00000031980	AGT	-0.62683	0.242822	0.009839	0.017868
ENSMUSG00000040938	SLC16A11	0.750613	0.290791	0.009844	0.017875
ENSMUSG00000031059	NDUFB11	0.361827	0.140207	0.009861	0.017905
ENSMUSG00000050714	ZBTB26	-0.46191	0.17907	0.009894	0.017963
ENSMUSG00000030541	IDH2	-0.63309	0.245445	0.009898	0.017969

ENSMUSG000000100200	H2AL1M	2.066614	0.801231	0.0099	0.01797
ENSMUSG000000029605	OAS1B	-0.72357	0.280549	0.009905	0.017977
ENSMUSG000000034854	MFSD12	-0.48564	0.1883	0.009906	0.017977
ENSMUSG000000049670	MORN4	-0.48023	0.186219	0.009913	0.017988
ENSMUSG000000035551	IGFBPL1	-0.99285	0.385136	0.00994	0.018035
ENSMUSG000000055413	H2-Q5	-1.08616	0.421342	0.009941	0.018035
ENSMUSG000000029630	CYP3A25	-0.99161	0.384747	0.009957	0.018062
ENSMUSG000000025358	CDK2	0.37301	0.144746	0.009966	0.018077
ENSMUSG000000027009	ITGA4	0.475619	0.184612	0.009986	0.018111
ENSMUSG000000057465	SAA2	2.62184	1.01791	0.010003	0.01814
ENSMUSG000000014980	TSEN15	0.283674	0.110141	0.010008	0.018146
ENSMUSG000000021339	MRS2	0.387779	0.150563	0.010009	0.018146
ENSMUSG000000045689	PCDHB4	-0.77113	0.299469	0.010024	0.018169
ENSMUSG000000047388	ATMIN	0.220202	0.085515	0.010023	0.018169
ENSMUSG000000046982	TSHZ1	0.29003	0.112693	0.010064	0.018236
ENSMUSG000000042784	MUC1	1.025256	0.398404	0.01007	0.018246
ENSMUSG000000081375	GM14686	2.410782	0.936829	0.010072	0.018247
ENSMUSG000000047369	DNAH14	1.064117	0.413672	0.0101	0.018297
ENSMUSG000000038296	GALNT18	0.532234	0.206911	0.010103	0.018299
ENSMUSG000000051182	OLFR655	1.623562	0.63132	0.01012	0.018329
ENSMUSG000000075000	NRBF2	0.287165	0.111714	0.010154	0.018388
ENSMUSG000000039065	FAM173B	0.238284	0.09272	0.010172	0.018419
ENSMUSG000000031077	FADD	0.231961	0.090273	0.010183	0.018436
ENSMUSG000000044339	ALKBH2	0.51215	0.199323	0.010186	0.01844
ENSMUSG000000027189	TRIM44	-0.32628	0.126993	0.010192	0.018449
ENSMUSG000000046562	UNC119B	-0.39927	0.155452	0.010215	0.018489
ENSMUSG000000107411	GM19040	1.624445	0.632582	0.01023	0.018513
ENSMUSG000000040424	HIPK4	-0.78202	0.304549	0.010235	0.01852
ENSMUSG000000055003	LRTM2	1.625465	0.633432	0.010284	0.018608
ENSMUSG000000020829	SLC46A1	-0.69792	0.272018	0.010296	0.018628
ENSMUSG000000022305	LRP12	0.304732	0.118792	0.01031	0.01865
ENSMUSG000000053111	FANK1	1.953403	0.761798	0.010341	0.018705
ENSMUSG000000110327	GM17994	2.252455	0.878514	0.010349	0.018717
ENSMUSG000000026821	RALGDS	-0.40429	0.157719	0.010367	0.018747
ENSMUSG000000078452	RAET1D	1.067684	0.416567	0.010376	0.018761
ENSMUSG000000047648	FBXO30	0.243003	0.094817	0.010381	0.018769
ENSMUSG000000015214	MTMR1	-0.3029	0.118199	0.01039	0.018782
ENSMUSG000000073898	OLFR713	0.824258	0.321827	0.010432	0.018855
ENSMUSG000000102261	GM18864	1.157747	0.452036	0.010432	0.018855
ENSMUSG000000020101	VSIR	0.36103	0.14097	0.010436	0.01886
ENSMUSG000000020312	SHC2	-0.73429	0.286736	0.010441	0.018868
ENSMUSG000000073490	IFI207	0.392277	0.153245	0.010473	0.018923
ENSMUSG000000025467	PRAP1	-1.28141	0.500627	0.010479	0.018932
ENSMUSG000000010290	AI597479	0.215976	0.0844	0.010499	0.018966
ENSMUSG000000059429	OLFR365	0.47098	0.184056	0.0105	0.018966
ENSMUSG000000022848	DIRC2	-0.30904	0.120806	0.010523	0.019006
ENSMUSG000000025272	TRO	-0.7951	0.310912	0.010548	0.019049
ENSMUSG000000018398	Sep-08	-0.29947	0.117132	0.010567	0.01908
ENSMUSG000000074001	KLHL40	0.640699	0.250623	0.010575	0.019094
ENSMUSG000000047466	8030462N17RI	-0.22498	0.088043	0.010609	0.019153

ENSMUSG00000036892	PRODH2	-0.9062	0.354783	0.010642	0.019206
ENSMUSG00000047878	A4GALT	0.459651	0.179975	0.01065	0.019218
ENSMUSG00000030790	ADM	0.914776	0.358282	0.010673	0.019258
ENSMUSG00000068794	COL28A1	-1.17979	0.46215	0.010685	0.019278
ENSMUSG00000041138	NME8	1.303493	0.510749	0.010707	0.019315
ENSMUSG00000056019	ZFP709	0.45218	0.177191	0.010713	0.019323
ENSMUSG00000021913	OGDHL	-1.22874	0.481547	0.010721	0.019335
ENSMUSG00000074793	HSPA12B	-0.30508	0.119563	0.010721	0.019335
ENSMUSG00000046836	BROX	-0.27736	0.1087	0.010723	0.019336
ENSMUSG00000028825	RHD	-0.55756	0.218532	0.010729	0.019345
ENSMUSG00000029148	NRBP1	-0.21519	0.084357	0.010744	0.019369
ENSMUSG00000096916	ZFP850	0.992484	0.389073	0.010745	0.019369
ENSMUSG00000018672	COPZ2	-0.23808	0.093362	0.010771	0.019415
ENSMUSG00000068452	DUOX2	-1.15533	0.453127	0.010782	0.019432
ENSMUSG00000058997	VWA8	-0.35763	0.140271	0.010787	0.019438
ENSMUSG00000066148	PRPF4	-0.2601	0.102049	0.01081	0.019479
ENSMUSG00000036880	ACAA2	-0.41429	0.162604	0.010839	0.019529
ENSMUSG00000048755	MCAT	-0.21853	0.085774	0.01084	0.019529
ENSMUSG00000100621	GM28374	1.768601	0.69435	0.010861	0.019564
ENSMUSG00000035161	INTS6	-0.35561	0.139622	0.010866	0.019571
ENSMUSG00000021460	AUH	-0.31212	0.122586	0.010893	0.019618
ENSMUSG00000043068	FAM89A	0.469811	0.184534	0.010899	0.019626
ENSMUSG00000044308	UBR3	0.293068	0.115157	0.010929	0.019679
ENSMUSG00000042396	RBM7	0.230551	0.090615	0.01095	0.019714
ENSMUSG00000063801	AP3S2	0.25169	0.098931	0.010956	0.019722
ENSMUSG00000032553	SRPRB	0.22226	0.087381	0.010973	0.019751
ENSMUSG00000045672	COL27A1	0.324274	0.127492	0.010975	0.019753
ENSMUSG00000072825	CEP170B	0.23845	0.093771	0.010994	0.019784
ENSMUSG00000081712	GM12096	-1.58983	0.625312	0.011007	0.019806
ENSMUSG00000038619	ENSA	0.212883	0.08374	0.011016	0.019819
ENSMUSG00000043419	RNF227	0.858136	0.337578	0.011021	0.019827
ENSMUSG00000031937	VSTM5	-0.84604	0.332898	0.01104	0.019859
ENSMUSG00000023079	GTF2IRD1	0.281427	0.110746	0.011048	0.01987
ENSMUSG00000033545	ZNRF1	-0.39575	0.155938	0.011153	0.020058
ENSMUSG00000024232	BAMBI	0.297584	0.117291	0.011176	0.020097
ENSMUSG00000020134	PELI1	0.242898	0.095793	0.011223	0.02018
ENSMUSG00000033706	SMYD5	0.31093	0.122626	0.011226	0.020183
ENSMUSG00000029072	TAS1R3	0.583953	0.230314	0.01123	0.020187
ENSMUSG00000056724	NBEAL2	-0.31573	0.124528	0.011231	0.020187
ENSMUSG00000075553	GM5464	1.669364	0.658465	0.011237	0.020196
ENSMUSG00000034007	SCAPER	-0.22495	0.088762	0.011267	0.020248
ENSMUSG00000024535	SNX24	-0.29572	0.116692	0.011271	0.020253
ENSMUSG00000036087	SLAIN2	0.254295	0.100353	0.011277	0.020262
ENSMUSG00000032495	LRRC2	-0.37392	0.147599	0.011298	0.020297
ENSMUSG00000074203	G430095P16RI	0.979329	0.386824	0.011351	0.02039
ENSMUSG00000060579	FHIT	0.505784	0.199812	0.011364	0.020409
ENSMUSG00000091672	GM17129	1.436782	0.567603	0.011364	0.020409
ENSMUSG00000029597	SDS	0.477535	0.188686	0.011379	0.020434
ENSMUSG00000015755	TAB2	0.210796	0.083301	0.011389	0.020449
ENSMUSG00000034412	TBC1D10A	0.282702	0.111765	0.011425	0.020512

ENSMUSG00000008373	PRPF31	0.220997	0.087378	0.011432	0.020521
ENSMUSG00000022604	CEP97	0.404323	0.159861	0.011432	0.020521
ENSMUSG000000053950	ADNP2	0.477634	0.188867	0.011441	0.020534
ENSMUSG000000030770	PARVA	0.449668	0.17782	0.011446	0.020542
ENSMUSG000000074361	C5AR2	0.475277	0.187967	0.011455	0.020554
ENSMUSG000000075172	OLFR1090	1.406385	0.556244	0.01146	0.020561
ENSMUSG000000046441	CMTR2	0.395735	0.15655	0.011476	0.020589
ENSMUSG000000081187	3110067C02RII	-1.31438	0.52001	0.011485	0.020602
ENSMUSG000000022130	TGDS	-0.2884	0.114118	0.011499	0.020625
ENSMUSG000000040904	GM21988	0.303812	0.120246	0.011517	0.020654
ENSMUSG000000078880	GM14308	-0.83163	0.32915	0.011517	0.020654
ENSMUSG000000102049	ZBED6	-1.54316	0.610829	0.011526	0.020667
ENSMUSG000000106188	GM9710	2.240529	0.887333	0.011569	0.020743
ENSMUSG000000017670	ELMO2	0.339852	0.134602	0.011574	0.020747
ENSMUSG000000062170	FMR1NB	3.07349	1.217277	0.011573	0.020747
ENSMUSG000000004610	ETFB	0.502453	0.199073	0.011604	0.020799
ENSMUSG000000026098	PMS1	-0.79139	0.313561	0.011607	0.020802
ENSMUSG000000032333	STOML1	0.306597	0.121491	0.011615	0.020814
ENSMUSG000000044348	SLC25A53	0.587315	0.232781	0.011634	0.020847
ENSMUSG000000075102	OLFR1221	0.642748	0.254779	0.011644	0.020861
ENSMUSG000000010048	IFRD2	-0.3704	0.146866	0.011669	0.020904
ENSMUSG000000025162	CSNK1D	0.245861	0.097513	0.011692	0.020943
ENSMUSG000000020633	DCDC2C	-1.14013	0.452312	0.011713	0.020979
ENSMUSG000000038967	PDK2	-0.56657	0.224798	0.011723	0.020995
ENSMUSG000000090319	GM4462	1.060571	0.421042	0.011772	0.021079
ENSMUSG000000022070	BORA	0.692085	0.275016	0.011852	0.021221
ENSMUSG000000032555	TOPBP1	0.364272	0.144785	0.011871	0.021253
ENSMUSG000000030946	LHPP	-0.44205	0.175727	0.011884	0.021274
ENSMUSG000000023903	MMP25	0.961673	0.382306	0.011888	0.021278
ENSMUSG000000021559	DAPK1	-0.36307	0.144391	0.011922	0.021336
ENSMUSG000000032763	ILVBL	0.229413	0.091253	0.011936	0.02136
ENSMUSG000000008140	EMC10	0.305387	0.121483	0.011943	0.02137
ENSMUSG000000029775	KLHDC10	0.273176	0.108674	0.011947	0.021375
ENSMUSG000000092417	GPANK1	0.296512	0.117976	0.01196	0.021396
ENSMUSG000000019326	AOC3	-0.86513	0.344266	0.011972	0.021415
ENSMUSG000000028563	TM2D1	0.283303	0.112749	0.011982	0.02143
ENSMUSG000000024610	CD74	0.654676	0.260571	0.011989	0.021441
ENSMUSG000000026156	B3GAT2	0.611143	0.243294	0.012006	0.02147
ENSMUSG000000026670	UAP1	0.482449	0.192112	0.012029	0.021508
ENSMUSG000000036282	NAA30	-0.25265	0.100623	0.012045	0.021535
ENSMUSG000000039738	SLX4	0.420291	0.167399	0.012049	0.021537
ENSMUSG000000050014	APOL10B	-0.35193	0.140169	0.012048	0.021537
ENSMUSG000000021133	SUSD6	-0.3361	0.133869	0.012051	0.021539
ENSMUSG000000015488	CACFD1	-0.23271	0.092692	0.012055	0.021544
ENSMUSG000000034544	RSRC1	0.246153	0.098056	0.012062	0.021553
ENSMUSG000000069588	GM11733	-2.12222	0.845548	0.012077	0.021579
ENSMUSG000000026435	SLC45A3	0.367526	0.146438	0.012081	0.021581
ENSMUSG000000064016	GM648	1.475012	0.5877	0.01208	0.021581
ENSMUSG000000056602	FRY	-0.31039	0.123675	0.012083	0.021582
ENSMUSG000000063382	BCL9L	-0.53081	0.211518	0.01209	0.021592

ENSMUSG00000048249	CREBRF	0.368881	0.147064	0.012131	0.021663
ENSMUSG00000018661	COG1	0.365969	0.145914	0.012138	0.021673
ENSMUSG00000030960	EEF1AKMT2	0.401489	0.160127	0.012165	0.021717
ENSMUSG00000035948	ACSS3	-0.5283	0.210699	0.012164	0.021717
ENSMUSG00000062202	BTBD9	0.219404	0.087514	0.012174	0.02173
ENSMUSG00000024873	CNIH2	0.659573	0.263108	0.012181	0.021741
ENSMUSG00000030782	TGFB1I1	0.343826	0.137268	0.012253	0.021867
ENSMUSG00000025533	ASL	0.326186	0.130264	0.012278	0.02191
ENSMUSG00000095403	GM21092	-0.54339	0.217015	0.012282	0.021914
ENSMUSG00000028703	LRRC41	0.316778	0.126547	0.012306	0.021955
ENSMUSG00000059742	KCNH7	-0.73506	0.293675	0.012316	0.02197
ENSMUSG00000081807	GM14849	-1.14825	0.458782	0.012321	0.021976
ENSMUSG00000009246	TRPM5	0.88192	0.35257	0.01237	0.022062
ENSMUSG00000028540	DPH2	0.311056	0.124369	0.012381	0.02208
ENSMUSG00000048279	SACS	0.474442	0.189757	0.01241	0.022129
ENSMUSG00000020368	CANX	0.290564	0.116241	0.012431	0.022164
ENSMUSG00000083022	RPS15A-PS6	1.506415	0.602924	0.012472	0.022234
ENSMUSG00000051344	PLEKHM3	0.363395	0.145472	0.012488	0.022261
ENSMUSG00000111288	ENSMUSG0000C	-0.62574	0.250532	0.012502	0.022283
ENSMUSG00000044037	ALS2CL	-0.29998	0.120133	0.012523	0.022319
ENSMUSG00000019737	SYNE4	0.642333	0.257327	0.012554	0.022372
ENSMUSG00000022884	EIF4A2	-0.57537	0.230522	0.012561	0.022382
ENSMUSG00000084159	GM12696	0.510616	0.204587	0.012566	0.022388
ENSMUSG00000030203	DUSP16	0.237449	0.095153	0.01258	0.022411
ENSMUSG00000041777	CIR1	0.229735	0.092082	0.0126	0.022443
ENSMUSG00000022407	ADSL	-0.2128	0.085297	0.012601	0.022444
ENSMUSG00000052533	NUP188	0.318716	0.127765	0.012612	0.022458
ENSMUSG00000058402	ZFP420	-0.64167	0.257226	0.012611	0.022458
ENSMUSG00000030061	UBA3	0.206147	0.082649	0.012623	0.022475
ENSMUSG00000025279	DNASE1L3	-0.80617	0.323256	0.012634	0.022493
ENSMUSG00000027188	PAMR1	-1.26216	0.506214	0.012655	0.022527
ENSMUSG00000079442	ST6GALNAC4	0.226346	0.090787	0.012661	0.022536
ENSMUSG00000031641	CBR4	0.262296	0.105232	0.012683	0.022572
ENSMUSG00000030888	RRP8	0.333031	0.133618	0.012688	0.02258
ENSMUSG00000028293	SLC35A1	-0.32861	0.131868	0.012705	0.022608
ENSMUSG00000053168	9030619P08RII	-1.42388	0.571407	0.012707	0.022608
ENSMUSG00000027534	SNX16	-0.3005	0.120622	0.012729	0.022645
ENSMUSG00000030577	CD22	0.928279	0.372618	0.01273	0.022645
ENSMUSG00000030869	NDUFAB1	0.332957	0.133685	0.012753	0.02268
ENSMUSG00000053475	TNFAIP6	1.111007	0.446079	0.012753	0.02268
ENSMUSG00000079083	JRKL	0.383072	0.153879	0.012794	0.022752
ENSMUSG00000053219	RAET1E	2.168321	0.87115	0.012809	0.022776
ENSMUSG00000022040	EPHX2	-0.45183	0.181541	0.012816	0.022785
ENSMUSG00000055024	EP300	-0.36828	0.148004	0.012834	0.022815
ENSMUSG00000031931	ANKRD49	-0.31055	0.124805	0.012838	0.022819
ENSMUSG00000039179	TEKT5	1.303635	0.523997	0.012851	0.022841
ENSMUSG00000025437	USP33	-0.28074	0.112871	0.012874	0.02288
ENSMUSG00000091415	AK9	-1.1589	0.466136	0.012912	0.02294
ENSMUSG00000058239	USF2	0.207315	0.083391	0.012917	0.022946
ENSMUSG00000082480	GM11687	0.987203	0.397193	0.012939	0.022982

ENSMUSG00000013921	CLIP3	-0.56675	0.228054	0.01295	0.022998
ENSMUSG00000036810	CNEP1R1	-0.21712	0.087366	0.01295	0.022998
ENSMUSG00000045932	IFIT2	-0.77856	0.313419	0.012989	0.023063
ENSMUSG00000056758	HMGA2	0.774115	0.311746	0.013022	0.023121
ENSMUSG00000031755	BBS2	-0.52503	0.211449	0.013028	0.023128
ENSMUSG00000034832	TET3	0.246994	0.099477	0.013031	0.023132
ENSMUSG00000022686	B3GNT5	0.81999	0.330271	0.013036	0.023138
ENSMUSG00000072664	UGT3A1	-0.86117	0.347031	0.013082	0.023217
ENSMUSG00000001930	VWF	0.388389	0.156545	0.013101	0.023249
ENSMUSG00000073010	GM5127	-0.85819	0.346274	0.013198	0.023419
ENSMUSG00000026064	PTP4A1	0.347946	0.140423	0.013218	0.023451
ENSMUSG00000021870	SLMAP	-0.21734	0.08772	0.013225	0.023461
ENSMUSG00000028270	GBP2	-0.37362	0.150846	0.013256	0.023513
ENSMUSG00000024957	KCNK4	-0.90781	0.366687	0.013297	0.023585
ENSMUSG00000096775	GM5796	1.889423	0.763275	0.013308	0.023601
ENSMUSG00000032359	CTSH	-0.25661	0.103684	0.013325	0.023629
ENSMUSG00000025789	ST8SIA2	-1.9197	0.775799	0.013343	0.023658
ENSMUSG00000020894	VAMP2	-0.20943	0.084642	0.013351	0.023669
ENSMUSG00000031070	MRGPRF	-1.07807	0.435749	0.013359	0.023681
ENSMUSG00000004371	IL11	1.741056	0.703836	0.013373	0.023705
ENSMUSG00000091845	RPL36-PS12	0.88887	0.359398	0.01339	0.023732
ENSMUSG00000063730	HSD3B2	0.873193	0.35307	0.013393	0.023734
ENSMUSG00000021711	TRAPPC13	0.217857	0.088102	0.013406	0.023755
ENSMUSG00000041638	GCN1L1	0.342576	0.138549	0.013414	0.023766
ENSMUSG00000035208	SLFN8	0.417148	0.168769	0.013447	0.023823
ENSMUSG00000072709	OLFR380	-1.00957	0.408462	0.013449	0.023824
ENSMUSG00000011831	EVI5	0.43017	0.174088	0.013474	0.023865
ENSMUSG00000045248	MED26	-0.25218	0.102078	0.013494	0.023899
ENSMUSG00000036334	IGSF10	-1.04948	0.424826	0.013497	0.023901
ENSMUSG00000034088	HDLBP	-0.26798	0.108485	0.013504	0.023912
ENSMUSG00000026042	COL5A2	0.709683	0.287321	0.013511	0.023922
ENSMUSG00000044468	TENT5C	0.889962	0.360496	0.01356	0.024005
ENSMUSG00000038607	GNG10	0.259401	0.105108	0.013589	0.024054
ENSMUSG00000042787	EXOG	0.344665	0.139679	0.013604	0.024078
ENSMUSG00000007950	ABHD8	-0.52012	0.210807	0.013614	0.024093
ENSMUSG00000078934	9230113P08RII	0.854205	0.346452	0.013679	0.024205
ENSMUSG00000094439	GM21969	-1.86346	0.755796	0.01368	0.024205
ENSMUSG00000039623	AP5Z1	-0.33518	0.135949	0.013683	0.024208
ENSMUSG00000005043	SGSH	-0.57563	0.233495	0.01369	0.024216
ENSMUSG00000091007	D630036H23RI	0.818322	0.331939	0.013691	0.024216
ENSMUSG00000057649	BRD9	0.207948	0.084391	0.013736	0.024293
ENSMUSG00000028669	PITHD1	0.282507	0.114698	0.013776	0.024363
ENSMUSG00000023088	ABCC1	-0.23533	0.095554	0.013787	0.024379
ENSMUSG00000034206	POLQ	-0.82599	0.33544	0.013801	0.024401
ENSMUSG00000091043	GLYATL3	1.402417	0.570146	0.013903	0.024575
ENSMUSG00000048578	MLEC	0.259421	0.105473	0.013909	0.024583
ENSMUSG00000059552	TRP53	0.234239	0.095238	0.013913	0.024586
ENSMUSG00000068604	GM8225	1.075653	0.437357	0.013915	0.024588
ENSMUSG00000040483	XAF1	-0.30623	0.12455	0.013943	0.024635
ENSMUSG00000054309	CPSF3	0.232374	0.094526	0.013959	0.02466

ENSMUSG00000054758	ENSMUSG000C	-1.51198	0.615123	0.013971	0.024678
ENSMUSG00000024002	BRD4	-0.24286	0.098809	0.013975	0.024683
ENSMUSG00000053004	HRH1	-0.92421	0.376209	0.014024	0.024767
ENSMUSG00000020590	SNX13	-0.22132	0.090122	0.014059	0.024827
ENSMUSG00000031828	KLHL36	-0.45699	0.186116	0.014073	0.024849
ENSMUSG00000030424	ZFP939	-0.42272	0.172184	0.014087	0.02487
ENSMUSG00000026238	PTMA	0.201888	0.082239	0.014092	0.024876
ENSMUSG00000037475	THOC2	0.279389	0.11381	0.014093	0.024876
ENSMUSG00000031765	MT1	1.140287	0.464509	0.014096	0.024878
ENSMUSG00000029123	STK32B	-0.89494	0.364609	0.014107	0.024896
ENSMUSG00000034109	GOLIM4	-0.453	0.184559	0.014108	0.024896
ENSMUSG00000022877	HRG	-1.06687	0.434867	0.014154	0.024974
ENSMUSG00000046093	HPCAL4	-1.43691	0.585911	0.014189	0.025034
ENSMUSG00000029859	EPHA1	-0.59972	0.244638	0.014227	0.025098
ENSMUSG00000080848	GM9385	2.188456	0.892745	0.014231	0.025102
ENSMUSG00000072653	ZFP783	0.659089	0.268941	0.014259	0.025148
ENSMUSG00000010080	EPN3	-0.58928	0.24049	0.014273	0.02517
ENSMUSG00000082585	GM15387	0.214498	0.087545	0.01428	0.02518
ENSMUSG000000109610	GM7432	0.844724	0.344825	0.014297	0.025207
ENSMUSG00000020290	XPO1	-0.38939	0.158964	0.014304	0.025216
ENSMUSG00000021822	PLAU	0.639431	0.261044	0.014305	0.025216
ENSMUSG00000040525	CBLC	0.693958	0.283343	0.014318	0.025237
ENSMUSG00000034800	ZFP661	-0.38301	0.156391	0.014323	0.025243
ENSMUSG00000081769	GM12216	-1.16006	0.473844	0.014358	0.025302
ENSMUSG00000001021	S100A3	1.253142	0.512029	0.014389	0.025354
ENSMUSG00000030657	XYLT1	0.531201	0.217072	0.0144	0.025371
ENSMUSG00000043855	OLFR479	0.69928	0.285914	0.014454	0.025464
ENSMUSG00000028525	PDE4B	0.501765	0.205214	0.014482	0.025505
ENSMUSG00000048965	MRGPRE	-0.65741	0.268871	0.014482	0.025505
ENSMUSG00000049926	OLFR921	1.747017	0.714497	0.014481	0.025505
ENSMUSG00000047261	GAP43	0.974081	0.398423	0.014492	0.025519
ENSMUSG00000021120	PIGH	-0.3707	0.151666	0.014517	0.02556
ENSMUSG00000040813	TEX264	-0.24501	0.10024	0.014518	0.02556
ENSMUSG00000069171	NR2F1	-0.68471	0.280183	0.014534	0.025586
ENSMUSG00000071398	2410004P03RII	0.804004	0.329025	0.014542	0.025596
ENSMUSG00000031493	GGN	0.76387	0.312695	0.014571	0.025646
ENSMUSG00000014453	BLK	-0.8592	0.351754	0.014582	0.025661
ENSMUSG00000056155	NANOS3	0.999176	0.409067	0.014583	0.025661
ENSMUSG00000028291	AKIRIN2	0.210376	0.086142	0.014598	0.025684
ENSMUSG00000027366	SPPL2A	-0.22658	0.092783	0.014606	0.025696
ENSMUSG00000074218	COX7A1	0.297737	0.121939	0.014619	0.025715
ENSMUSG00000086925	GM6286	1.320469	0.540806	0.01462	0.025715
ENSMUSG00000063286	GM8995	-0.23355	0.095655	0.014621	0.025715
ENSMUSG00000022096	HR	-1.14358	0.468437	0.014635	0.025737
ENSMUSG00000029138	4930548H24RI	0.897846	0.367815	0.014646	0.025753
ENSMUSG00000000776	POLR3D	0.236834	0.097037	0.01466	0.025775
ENSMUSG00000037062	SH3GLB1	0.213762	0.087594	0.014672	0.025793
ENSMUSG00000051675	TRIM32	-0.28588	0.117146	0.014673	0.025793
ENSMUSG00000037740	MRPS26	0.3654	0.149744	0.014681	0.025803
ENSMUSG00000037217	SYN1	0.649172	0.266088	0.0147	0.025835

ENSMUSG00000030600	LRFN1	-0.93314	0.382607	0.014733	0.025889
ENSMUSG00000022913	PSMG1	-0.2445	0.100253	0.014734	0.02589
ENSMUSG00000079508	APOO	-0.22275	0.091349	0.014751	0.025916
ENSMUSG00000074166	AW146154	-0.46803	0.19195	0.014756	0.025922
ENSMUSG00000045838	CCDC9B	-0.4819	0.197641	0.014758	0.025924
ENSMUSG00000054715	ZSCAN22	-0.32232	0.132198	0.014761	0.025926
ENSMUSG00000047343	METTTL21C	1.363513	0.559324	0.014777	0.025951
ENSMUSG00000052595	A1CF	-1.10479	0.453198	0.014779	0.025951
ENSMUSG00000081600	GM12286	0.398426	0.163477	0.014802	0.02599
ENSMUSG00000066877	NCK2	-0.32106	0.131739	0.014806	0.025994
ENSMUSG00000026255	EFHD1	0.532081	0.218398	0.014839	0.026049
ENSMUSG00000057738	SPTAN1	0.255791	0.105004	0.01485	0.026067
ENSMUSG00000017478	ZC3H18	0.219014	0.089943	0.01489	0.026134
ENSMUSG00000085272	SBK3	-0.60687	0.249235	0.014895	0.026141
ENSMUSG00000038406	SCAF1	-0.22171	0.091059	0.014899	0.026145
ENSMUSG00000010651	ACAA1B	-1.99138	0.818095	0.014926	0.026189
ENSMUSG00000048120	ENTPD1	0.409406	0.168203	0.014933	0.026198
ENSMUSG00000034917	TJP3	0.920201	0.378206	0.014971	0.026263
ENSMUSG00000026239	PDE6D	-0.23574	0.096934	0.015015	0.026338
ENSMUSG00000015733	CAPZA2	0.203243	0.083648	0.015109	0.0265
ENSMUSG00000034858	FAM214A	0.220584	0.090794	0.01512	0.026516
ENSMUSG00000019849	PREP	-0.20163	0.083005	0.015136	0.026541
ENSMUSG00000027288	ZFP106	-0.21358	0.087934	0.015144	0.026552
ENSMUSG00000069495	EPC2	-0.25668	0.105699	0.015167	0.026589
ENSMUSG00000020087	TYSND1	0.211714	0.087204	0.015191	0.026629
ENSMUSG00000027246	ELL3	0.779423	0.321133	0.01522	0.026677
ENSMUSG00000050567	MAML1	0.224624	0.092564	0.015237	0.026704
ENSMUSG00000089798	1700028K03RII	1.194694	0.492355	0.015246	0.026717
ENSMUSG00000046721	RPL14-PS1	-3.75759	1.548661	0.015252	0.026721
ENSMUSG00000092256	GM18359	-1.26036	0.519443	0.01525	0.026721
ENSMUSG00000040771	OARD1	0.318098	0.131106	0.015255	0.026724
ENSMUSG00000008482	RNF151	1.490087	0.614261	0.015274	0.026753
ENSMUSG00000034354	MTMR3	0.200702	0.082736	0.015275	0.026753
ENSMUSG00000096463	GM21750	-0.68259	0.281453	0.015299	0.026793
ENSMUSG00000028339	COL15A1	0.454584	0.18749	0.015326	0.026839
ENSMUSG00000042523	DNAL1	-0.52239	0.215468	0.015332	0.026846
ENSMUSG00000027570	COL9A3	0.86778	0.357942	0.015335	0.026849
ENSMUSG00000032121	TMEM218	-0.37734	0.155672	0.015354	0.026878
ENSMUSG00000029576	RADIL	-0.90497	0.373426	0.015375	0.026912
ENSMUSG00000068205	MACROD2	0.284276	0.117309	0.01538	0.026919
ENSMUSG00000073209	KLF14	-1.31447	0.542594	0.015411	0.026971
ENSMUSG00000024065	EHD3	-0.37484	0.154763	0.015435	0.027009
ENSMUSG00000036356	CSGALNACT1	0.572226	0.236267	0.015438	0.027011
ENSMUSG00000028223	DECR1	-0.32571	0.134488	0.015443	0.027017
ENSMUSG00000005656	SNX6	0.207265	0.085604	0.015469	0.027058
ENSMUSG00000027652	RALGAPB	0.22021	0.09095	0.015469	0.027058
ENSMUSG00000034765	DUSP5	0.950921	0.392841	0.015494	0.027096
ENSMUSG00000037772	MRPL23	0.47049	0.19441	0.015516	0.027129
ENSMUSG00000024019	CMTR1	-0.26502	0.109521	0.015528	0.027147
ENSMUSG00000030314	ATG7	0.31197	0.129001	0.015591	0.027254

ENSMUSG00000030865	CHP2	-2.49094	1.030063	0.015596	0.027259
ENSMUSG00000036377	C530008M17R	-1.20049	0.496591	0.01563	0.027316
ENSMUSG00000050332	AMER1	0.288309	0.119273	0.01564	0.027331
ENSMUSG00000021143	PACS2	-0.22745	0.094108	0.015653	0.027352
ENSMUSG00000031825	CRISPLD2	-0.53491	0.221349	0.015665	0.02737
ENSMUSG00000036894	RAP2B	0.528689	0.218777	0.015668	0.027371
ENSMUSG00000051669	AU021092	-1.03432	0.428051	0.015678	0.027386
ENSMUSG00000022615	TYMP	-0.40186	0.166352	0.015705	0.027431
ENSMUSG00000006218	FAM131C	-1.08539	0.449329	0.01571	0.027437
ENSMUSG000000106225	GM43564	1.292646	0.535289	0.015741	0.027489
ENSMUSG00000074259	GRAMD2	1.339201	0.554687	0.015764	0.027525
ENSMUSG00000028954	NUB1	0.199582	0.082667	0.015766	0.027527
ENSMUSG00000028996	RBP7	-0.39936	0.165499	0.015819	0.027613
ENSMUSG00000037824	TSPAN14	0.239065	0.09907	0.015818	0.027613
ENSMUSG00000078485	PLEKHN1	-0.52619	0.218131	0.015855	0.027672
ENSMUSG00000038563	EFL1	0.280391	0.11628	0.015894	0.027738
ENSMUSG00000037470	UGGT1	0.254461	0.10553	0.015897	0.027741
ENSMUSG00000052459	ATP6V1A	0.231951	0.096204	0.015908	0.027756
ENSMUSG00000050428	FBXO46	-0.30214	0.125329	0.015919	0.027773
ENSMUSG00000018362	KPNA2	0.515087	0.213768	0.015972	0.027862
ENSMUSG00000046152	FUT10	-0.52499	0.217882	0.015973	0.027862
ENSMUSG00000038910	PLCL2	-0.3015	0.125132	0.015975	0.027863
ENSMUSG00000021294	KIF26A	-0.46305	0.192239	0.016008	0.027915
ENSMUSG00000093979	GM2237	0.938178	0.389492	0.016008	0.027915
ENSMUSG00000022122	EDNRB	0.596073	0.247544	0.016042	0.027971
ENSMUSG00000027419	PCSK2	0.888587	0.36912	0.01607	0.028017
ENSMUSG00000095040	1700001J03RIK	1.021982	0.424564	0.016078	0.028028
ENSMUSG00000060224	PYROXD2	-0.48367	0.201013	0.016121	0.0281
ENSMUSG00000020063	SIRT1	0.226542	0.094169	0.016141	0.028132
ENSMUSG00000025509	PNPLA2	0.212205	0.088239	0.016177	0.028192
ENSMUSG00000023484	PRPH	1.150363	0.478372	0.016184	0.0282
ENSMUSG00000084106	GM6136	1.100415	0.457784	0.016226	0.028271
ENSMUSG00000031342	GPM6B	0.246428	0.102522	0.016232	0.028279
ENSMUSG00000029676	POT1A	-0.28458	0.118417	0.016253	0.028311
ENSMUSG00000039201	TBC1D25	0.289315	0.120424	0.016285	0.028364
ENSMUSG00000044352	SOWAHA	-1.21435	0.505584	0.016312	0.028408
ENSMUSG00000039873	NEURL2	-0.5189	0.216081	0.016332	0.028442
ENSMUSG000000106948	GM42785	-0.34789	0.144881	0.01634	0.028452
ENSMUSG00000020272	STK10	-0.28446	0.118467	0.016342	0.028453
ENSMUSG00000034275	IGSF9B	-0.48373	0.20148	0.016356	0.028474
ENSMUSG00000028179	CTH	-0.7349	0.306108	0.01636	0.028477
ENSMUSG00000078762	HAUS5	0.324339	0.135139	0.016393	0.028533
ENSMUSG00000059772	SLX1B	-0.35039	0.14603	0.016419	0.028576
ENSMUSG000000109493	GM45208	1.467245	0.611537	0.016428	0.028587
ENSMUSG00000024811	TNKS2	-0.23558	0.098198	0.016437	0.0286
ENSMUSG00000033208	S100B	0.760569	0.317072	0.016452	0.028624
ENSMUSG00000026112	COA5	-0.19876	0.08287	0.016462	0.028638
ENSMUSG00000055415	ATP10B	0.833115	0.347395	0.016477	0.028661
ENSMUSG00000041126	H2AFV	0.44233	0.184459	0.016486	0.028673
ENSMUSG00000011306	SUGP1	0.208432	0.086924	0.016491	0.028679

ENSMUSG00000020009	IFNGR1	0.247225	0.103118	0.016507	0.028705
ENSMUSG00000051910	SOX6	-0.29787	0.124289	0.016548	0.028774
ENSMUSG00000075284	WIPF1	0.344568	0.143853	0.016608	0.028874
ENSMUSG00000035642	AAMDC	0.346041	0.144493	0.016626	0.028903
ENSMUSG00000040331	NSMCE4A	0.218369	0.09119	0.016636	0.028917
ENSMUSG00000033306	LPP	0.471015	0.196738	0.01666	0.028956
ENSMUSG00000038544	INIP	-0.28004	0.117014	0.016703	0.029028
ENSMUSG00000025175	FN3K	-1.15236	0.481572	0.016715	0.029045
ENSMUSG00000036572	UPF3B	0.221468	0.092567	0.016733	0.029074
ENSMUSG00000013629	CAD	-0.41808	0.174752	0.016739	0.029081
ENSMUSG00000044461	SHISA2	-0.98113	0.410245	0.016776	0.029143
ENSMUSG00000049864	OLFR250	-0.86121	0.360283	0.016832	0.029237
ENSMUSG00000031881	CDH16	0.582657	0.243772	0.016841	0.029249
ENSMUSG00000025961	4933402D24RI	-1.24995	0.523078	0.016866	0.02929
ENSMUSG00000022521	CREBBP	0.269869	0.11298	0.016911	0.029365
ENSMUSG00000031565	FGFR1	-0.23709	0.099322	0.016983	0.029487
ENSMUSG00000044006	CILP2	-1.20725	0.505755	0.016985	0.029487
ENSMUSG00000024339	TAP2	-0.35664	0.149413	0.016989	0.029491
ENSMUSG000000101751	GM2427	-0.81198	0.340179	0.016991	0.029492
ENSMUSG00000045377	TMEM88	0.303478	0.12716	0.017006	0.029515
ENSMUSG00000022025	CNMD	-1.49921	0.628514	0.017064	0.029613
ENSMUSG00000028756	PINK1	-0.40091	0.16814	0.017109	0.029687
ENSMUSG00000050345	4930486L24RI	0.748906	0.314125	0.017121	0.029702
ENSMUSG00000066632	PGK1-RS7	2.69051	1.128507	0.017119	0.029702
ENSMUSG00000032415	UBE2CBP	-0.52687	0.221105	0.017176	0.029795
ENSMUSG00000026100	MSTN	-1.15924	0.486513	0.017184	0.029806
ENSMUSG00000017978	CADPS2	-0.61559	0.258378	0.017194	0.029821
ENSMUSG00000055228	ZFP935	-0.53784	0.225888	0.017265	0.02994
ENSMUSG00000028362	TNFSF8	1.294448	0.543779	0.017291	0.029982
ENSMUSG00000090641	ZFP712	-0.48333	0.203059	0.017302	0.029997
ENSMUSG00000047117	ANKDD1B	-0.53408	0.224426	0.017324	0.030034
ENSMUSG00000052005	GM9864	-0.97758	0.410814	0.017331	0.030042
ENSMUSG00000029428	STX2	-0.65657	0.275941	0.017342	0.030059
ENSMUSG000000109901	CHMP1B	0.247463	0.104045	0.017387	0.030133
ENSMUSG00000046229	SCAND1	0.345092	0.145155	0.017435	0.030213
ENSMUSG00000076437	SELENOH	-0.25873	0.108851	0.017458	0.030251
ENSMUSG00000041143	TMCO4	-0.25363	0.106742	0.017495	0.030312
ENSMUSG000000101904	GM29427	-0.9272	0.390249	0.017505	0.030325
ENSMUSG00000044835	ANKRD45	0.731074	0.307896	0.017577	0.030446
ENSMUSG00000052563	D930048N14RI	-0.4765	0.200719	0.017599	0.030482
ENSMUSG00000022629	KIF21A	-0.26032	0.109662	0.017602	0.030485
ENSMUSG00000021188	TRIP11	0.242625	0.102223	0.01762	0.030511
ENSMUSG00000026630	BATF3	0.824574	0.347411	0.017621	0.030511
ENSMUSG00000058932	GM2174	-1.08241	0.456061	0.017626	0.030516
ENSMUSG00000040432	LTB4R2	-1.14764	0.483579	0.017633	0.030526
ENSMUSG00000018752	TNFSFM13	-0.40749	0.17173	0.017651	0.030553
ENSMUSG00000048230	FBXO43	1.383304	0.583179	0.017692	0.030621
ENSMUSG00000026958	DPP7	0.652416	0.275114	0.017719	0.030665
ENSMUSG00000051184	ZFP524	-0.46416	0.195737	0.017724	0.03067
ENSMUSG00000038593	TCTN1	-0.53914	0.227386	0.017739	0.030693

ENSMUSG00000024095	HNRNPLL	-0.20889	0.088119	0.017761	0.030727
ENSMUSG00000038034	IGSF8	0.364859	0.153915	0.017763	0.030728
ENSMUSG00000090213	TMEM189	0.217333	0.091701	0.017788	0.030768
ENSMUSG00000024922	OVOL1	1.398955	0.590302	0.017793	0.030774
ENSMUSG00000078591	HS3ST4	-1.08926	0.459723	0.017818	0.030813
ENSMUSG00000019891	DCBLD1	-0.3943	0.166442	0.017837	0.030844
ENSMUSG00000047414	FLRT2	-0.39765	0.167885	0.017857	0.030874
ENSMUSG00000029699	SSC4D	0.658045	0.277862	0.017873	0.0309
ENSMUSG00000050853	OLFR958	-1.13813	0.480682	0.017897	0.030938
ENSMUSG00000045165	AI467606	0.49475	0.208975	0.017909	0.030951
ENSMUSG00000024979	TECTB	-1.59544	0.67394	0.017917	0.03096
ENSMUSG00000054836	ELP6	0.447964	0.189236	0.017922	0.030966
ENSMUSG00000047604	FRAT2	1.107494	0.4679	0.017936	0.030986
ENSMUSG00000079137	RPL27-PS1	1.230628	0.519952	0.017942	0.030994
ENSMUSG00000044968	NAPEPLD	0.452243	0.191107	0.01796	0.031022
ENSMUSG00000020897	AURKB	1.019081	0.430708	0.017979	0.03105
ENSMUSG00000025240	SACM1L	-0.28093	0.118779	0.018023	0.031124
ENSMUSG00000055313	PGBD1	-0.55796	0.235955	0.018046	0.03116
ENSMUSG00000026153	FAM135A	-0.22715	0.096099	0.018093	0.03124
ENSMUSG00000030701	PLEKHB1	-0.81031	0.342824	0.018096	0.031241
ENSMUSG00000016498	PDCD1LG2	1.825726	0.772478	0.018105	0.031253
ENSMUSG00000064068	MTX1	-0.22314	0.094416	0.018112	0.031262
ENSMUSG00000035007	RUNDC1	0.211442	0.089551	0.018219	0.031444
ENSMUSG00000030693	KLK10	-1.74085	0.737316	0.018222	0.031446
ENSMUSG00000042328	HPS4	-0.36679	0.155358	0.018228	0.031452
ENSMUSG00000074030	EXOC8	-0.33925	0.143704	0.018238	0.031467
ENSMUSG00000082465	RPS6-PS3	1.328365	0.56279	0.018259	0.0315
ENSMUSG00000056966	GJC3	-1.0188	0.431647	0.018262	0.031501
ENSMUSG00000022385	GTSE1	1.1186	0.473977	0.018274	0.031518
ENSMUSG00000058252	TCP11X2	1.212228	0.51366	0.018276	0.031519
ENSMUSG00000029563	FOXP2	-0.70273	0.297805	0.01829	0.03154
ENSMUSG00000043991	PURA	0.223534	0.094758	0.018324	0.031595
ENSMUSG00000021403	SERPINB9B	1.576682	0.668424	0.018334	0.03161
ENSMUSG00000024427	SPRY4	1.039656	0.440813	0.018349	0.031633
ENSMUSG00000028484	PSIP1	-0.26204	0.111159	0.018405	0.031722
ENSMUSG00000032393	DPP8	-0.20122	0.085359	0.018405	0.031722
ENSMUSG000000108484	GM18537	0.488585	0.207273	0.018413	0.031734
ENSMUSG00000004110	CACNA1E	-0.77482	0.328749	0.01843	0.031758
ENSMUSG00000031903	PLA2G15	-0.42402	0.179927	0.018442	0.031777
ENSMUSG00000063556	GM10132	0.762147	0.323505	0.018478	0.031835
ENSMUSG00000036218	PDZRN4	-1.01312	0.430047	0.018481	0.031837
ENSMUSG00000027433	XRN2	0.269322	0.114388	0.01855	0.031953
ENSMUSG00000015747	VPS45	0.299683	0.127335	0.018598	0.032032
ENSMUSG00000024993	FAM45A	0.306012	0.130037	0.018609	0.032048
ENSMUSG00000026004	KANSL1L	-0.21602	0.091805	0.01862	0.032063
ENSMUSG00000024201	KDM4B	0.279039	0.118596	0.01863	0.032078
ENSMUSG00000057133	CHD6	-0.44523	0.189307	0.018679	0.032158
ENSMUSG00000028393	ALAD	0.432977	0.18414	0.018705	0.032201
ENSMUSG00000037406	HTRA4	-0.92867	0.395093	0.018748	0.032271
ENSMUSG00000022477	ACO2	-0.2541	0.108138	0.018786	0.032333

ENSMUSG00000024810	IL33	1.408192	0.59939	0.018805	0.032359
ENSMUSG00000066456	HMG3	-0.4464	0.190004	0.018803	0.032359
ENSMUSG00000079323	GM20661	-1.23331	0.524964	0.018807	0.03236
ENSMUSG00000050530	FAM171A1	-0.39116	0.166516	0.018818	0.032376
ENSMUSG00000036214	ZNRD1AS	0.442549	0.188427	0.018842	0.032413
ENSMUSG00000027893	AHCYL1	0.195495	0.083261	0.018876	0.032462
ENSMUSG00000021099	SIX6	-0.90678	0.386321	0.018914	0.032524
ENSMUSG00000071658	GNG3	1.115593	0.475305	0.01892	0.032531
ENSMUSG00000025239	LIMD1	0.233786	0.099626	0.018944	0.032568
ENSMUSG00000004897	HDGF	0.193867	0.082621	0.018953	0.032581
ENSMUSG00000089715	CBX6	-0.5363	0.228626	0.018988	0.032638
ENSMUSG00000047409	CTDSPL	-0.43707	0.186441	0.019064	0.032765
ENSMUSG00000041205	MAP6D1	-0.79825	0.34052	0.019068	0.032769
ENSMUSG00000111834	GM40020	-1.02974	0.439364	0.019093	0.032808
ENSMUSG00000060703	CD302	0.306635	0.130852	0.01911	0.032835
ENSMUSG00000032641	GPR19	0.408982	0.174549	0.019125	0.032857
ENSMUSG00000057895	ZFP105	0.471168	0.201199	0.019191	0.032967
ENSMUSG00000045007	TUBG2	-0.65035	0.27782	0.019237	0.033042
ENSMUSG00000026632	TATDN3	-0.26684	0.113998	0.019246	0.033054
ENSMUSG00000082031	GM8097	-1.2089	0.516551	0.019267	0.033087
ENSMUSG00000035354	UVRAG	0.273623	0.116943	0.019294	0.03313
ENSMUSG00000037784	DZIP1L	-0.52433	0.224132	0.019315	0.033163
ENSMUSG00000111187	ENSMUSG000C	2.147592	0.918137	0.019332	0.033188
ENSMUSG00000030287	ITPR2	-0.53399	0.228369	0.019373	0.033255
ENSMUSG00000036779	TENT4B	0.216966	0.092794	0.019379	0.033263
ENSMUSG00000050213	SNIP1	0.278266	0.119042	0.019411	0.033314
ENSMUSG00000002058	UNC119	-0.35081	0.150081	0.019413	0.033315
ENSMUSG00000000305	CDH4	-0.65749	0.281304	0.019424	0.03333
ENSMUSG00000060467	GM10080	1.012066	0.433103	0.019451	0.033373
ENSMUSG00000070942	IL1RL2	0.404986	0.173329	0.019464	0.033392
ENSMUSG00000032407	U2SURP	0.227125	0.097241	0.019508	0.033463
ENSMUSG00000022208	JPH4	-0.73039	0.31275	0.019524	0.033488
ENSMUSG00000011751	SPTBN4	-1.22091	0.522902	0.01955	0.033527
ENSMUSG00000024222	FKBP5	0.817968	0.350337	0.019554	0.033527
ENSMUSG00000047379	B4GAT1	-0.1958	0.083861	0.019554	0.033527
ENSMUSG00000090035	GALNT4	0.309163	0.132415	0.019554	0.033527
ENSMUSG00000022973	SYNJ1	0.231231	0.099047	0.019566	0.033541
ENSMUSG00000029033	ACAP3	-0.30301	0.129794	0.019566	0.033541
ENSMUSG00000003814	CALR	0.19363	0.082946	0.019574	0.03355
ENSMUSG00000070823	ENSMUSG000C	-0.92716	0.397333	0.019624	0.033633
ENSMUSG00000048200	CRACR2B	-0.39291	0.168422	0.019652	0.033677
ENSMUSG00000037503	FAM168B	0.229412	0.09834	0.019656	0.03368
ENSMUSG00000031657	HEATR3	0.202264	0.086742	0.019711	0.033772
ENSMUSG00000022665	CCDC80	-0.38277	0.164182	0.019733	0.033806
ENSMUSG00000071716	APOL7E	3.864176	1.657657	0.019748	0.033827
ENSMUSG00000028995	FAM126A	-0.36274	0.155634	0.019769	0.033857
ENSMUSG00000029250	POLR2B	-0.25846	0.110893	0.019768	0.033857
ENSMUSG00000030806	STX1B	-0.70425	0.302184	0.019778	0.033869
ENSMUSG00000067338	TUBA3B	-1.21823	0.522748	0.019783	0.033874
ENSMUSG00000033460	ARMCX1	-0.48463	0.208003	0.019812	0.03392

ENSMUSG00000006720	ZFP184	-1.08835	0.467155	0.01982	0.03393
ENSMUSG000000021135	SLC10A1	-1.13441	0.487101	0.019864	0.034003
ENSMUSG000000021973	MICU2	-0.19239	0.082631	0.019897	0.034055
ENSMUSG000000000028	CDC45	-0.39976	0.171773	0.019953	0.034148
ENSMUSG000000022824	MUC13	0.987121	0.424191	0.019962	0.03416
ENSMUSG000000058838	RPS27A-PS2	2.734112	1.175099	0.019981	0.034189
ENSMUSG000000033222	TTF2	-0.57388	0.246708	0.020011	0.034237
ENSMUSG000000032094	CD3D	1.029229	0.442486	0.020018	0.034245
ENSMUSG000000049091	SEPHS2	-0.20105	0.086442	0.02003	0.034262
ENSMUSG000000073980	GM9574	-1.10404	0.4748	0.020057	0.034306
ENSMUSG000000024985	TCF7L2	-0.27918	0.120071	0.020066	0.034317
ENSMUSG000000019933	MRLN	0.709004	0.304954	0.020074	0.034328
ENSMUSG000000044287	NRN1L	0.788352	0.339091	0.020077	0.03433
ENSMUSG000000038037	SOCS1	0.582671	0.250664	0.020098	0.034362
ENSMUSG000000022818	CYP2AB1	-1.02735	0.441996	0.020107	0.034373
ENSMUSG000000010592	DAZL	0.800866	0.34464	0.020138	0.034422
ENSMUSG000000024807	SYVN1	0.237467	0.102264	0.020228	0.034574
ENSMUSG000000029521	CHEK2	-0.61136	0.263325	0.020249	0.034605
ENSMUSG000000030741	SPNS1	0.231579	0.099747	0.020251	0.034605
ENSMUSG000000020064	HERC4	-0.19705	0.084994	0.020425	0.034899
ENSMUSG000000010503	GM43064	2.663923	1.149138	0.020439	0.03492
ENSMUSG000000023031	CELA1	1.508233	0.650645	0.020446	0.034928
ENSMUSG000000026048	ERCC5	0.255788	0.110406	0.020516	0.035038
ENSMUSG000000032841	PRR5L	0.888896	0.38368	0.020517	0.035038
ENSMUSG000000070438	OLFR313	-0.76527	0.330317	0.020516	0.035038
ENSMUSG000000028860	SYTL1	0.851602	0.367626	0.020532	0.03506
ENSMUSG000000036053	FMNL2	0.487877	0.210635	0.020546	0.035082
ENSMUSG000000036860	MRPL55	-0.19341	0.083519	0.020575	0.035127
ENSMUSG000000028678	KIF2C	0.804116	0.347268	0.020583	0.035138
ENSMUSG000000038002	CRAMP1L	-0.20481	0.088466	0.020603	0.035167
ENSMUSG000000011516	CR954983.1	-0.7183	0.310257	0.020604	0.035167
ENSMUSG000000033416	GUCD1	-0.23487	0.101455	0.020609	0.035172
ENSMUSG000000029882	2210010C04RII	-0.89202	0.385455	0.020656	0.035248
ENSMUSG000000056782	OLFR667	0.665994	0.287832	0.020677	0.03528
ENSMUSG000000031696	VPS35	-0.23207	0.10037	0.020768	0.035432
ENSMUSG000000004952	RASA4	0.697654	0.30175	0.020776	0.035443
ENSMUSG000000048456	OLFR1448	-1.25791	0.544201	0.020806	0.03549
ENSMUSG000000032584	MST1R	-0.76341	0.330365	0.020843	0.035549
ENSMUSG000000020051	PAH	-1.96305	0.849601	0.020857	0.03557
ENSMUSG000000090176	CD200R2	1.226029	0.530679	0.020871	0.035591
ENSMUSG000000027800	TM4SF1	0.366467	0.158654	0.020896	0.03563
ENSMUSG000000058064	GM10036	1.14272	0.494883	0.02094	0.0357
ENSMUSG000000050549	FAM241A	0.333683	0.144557	0.020981	0.035764
ENSMUSG000000073771	BTBD19	0.410198	0.177701	0.020979	0.035764
ENSMUSG000000031142	CACNA1F	1.177175	0.510004	0.02099	0.035771
ENSMUSG000000094686	CCL21A	-0.95343	0.413065	0.02099	0.035771
ENSMUSG000000039662	ICMT	-0.19641	0.085124	0.021039	0.035852
ENSMUSG000000038178	SLC43A2	-0.31019	0.134446	0.021045	0.035854
ENSMUSG000000052616	TERB1	1.056121	0.457756	0.021045	0.035854
ENSMUSG000000063687	PCDHB5	-0.61097	0.264818	0.021047	0.035854

ENSMUSG00000000983	WFDC18	1.174747	0.50936	0.021093	0.035925
ENSMUSG00000042644	ITPR3	-0.35437	0.153649	0.021091	0.035925
ENSMUSG00000047881	RELL1	0.957641	0.415294	0.021114	0.035958
ENSMUSG00000069830	NLRP1A	1.272796	0.551977	0.021117	0.035959
ENSMUSG00000006575	RUNDC3A	-0.51556	0.22361	0.021132	0.03598
ENSMUSG00000014195	DNAJC7	0.272266	0.118138	0.021187	0.036071
ENSMUSG00000061353	CXCL12	-0.39339	0.170733	0.021214	0.036114
ENSMUSG00000049107	NTF3	-0.45867	0.199232	0.021324	0.036297
ENSMUSG00000092051	GM17229	-0.66701	0.289756	0.021336	0.036314
ENSMUSG00000002274	METRN	0.308257	0.13393	0.021356	0.036344
ENSMUSG00000082319	GM8822	1.61725	0.702727	0.021369	0.036363
ENSMUSG00000028467	GBA2	-0.30698	0.133419	0.021397	0.036407
ENSMUSG00000031715	SMARCA5	-0.26534	0.11533	0.021409	0.036423
ENSMUSG00000034616	SSH3	-0.27049	0.117571	0.021412	0.036425
ENSMUSG00000030793	PYCARD	0.359016	0.156054	0.021415	0.036426
ENSMUSG00000020694	TLK2	0.197939	0.086049	0.021432	0.036451
ENSMUSG000000106350	GM4869	1.230487	0.535007	0.021451	0.03648
ENSMUSG00000070047	FAT1	0.576286	0.250583	0.021461	0.036493
ENSMUSG00000053581	ZFAND2A	0.328638	0.142976	0.021531	0.036609
ENSMUSG00000054728	PHACTR1	-0.55475	0.241486	0.021606	0.036732
ENSMUSG00000026277	STK25	-0.20896	0.090984	0.021636	0.03678
ENSMUSG00000030610	DET1	0.322287	0.140337	0.021646	0.036793
ENSMUSG00000022863	BTG3	0.281396	0.122548	0.021664	0.03682
ENSMUSG00000021555	NAA35	0.219182	0.095473	0.02169	0.03686
ENSMUSG00000037263	ALDH3B3	-1.09799	0.478458	0.021742	0.036945
ENSMUSG00000051323	PCDH19	0.390503	0.170177	0.021751	0.036957
ENSMUSG00000029482	AACS	0.552381	0.240753	0.021768	0.036982
ENSMUSG00000098192	GM3534	0.800696	0.349013	0.02178	0.037
ENSMUSG00000029477	MORN3	1.426584	0.621973	0.021811	0.037048
ENSMUSG00000027324	RPUSD2	-0.31141	0.135779	0.021817	0.037054
ENSMUSG00000057982	ZFP809	-0.40104	0.17491	0.021858	0.037121
ENSMUSG00000066629	RPL36-PS3	1.007336	0.439473	0.021897	0.037183
ENSMUSG00000027306	NUSAP1	0.598289	0.261096	0.021937	0.037247
ENSMUSG00000028986	KLHL7	-0.39928	0.174262	0.021949	0.037264
ENSMUSG00000039145	CAMK1D	0.550065	0.240127	0.02198	0.037312
ENSMUSG00000037275	GEMIN5	-0.22056	0.096293	0.021992	0.037328
ENSMUSG00000044477	ZFAND3	0.189505	0.082743	0.022005	0.037346
ENSMUSG00000078902	GM14443	-0.42697	0.186431	0.022006	0.037346
ENSMUSG00000022479	VDR	0.829267	0.362144	0.022028	0.037379
ENSMUSG00000039879	HECA	0.191867	0.083805	0.022053	0.037417
ENSMUSG00000034792	GNA15	0.621697	0.271588	0.022073	0.037447
ENSMUSG00000034880	MRPL34	-0.34906	0.152494	0.022078	0.037453
ENSMUSG00000041842	FHDC1	1.273171	0.55623	0.022084	0.037458
ENSMUSG00000093942	OLFR46	-0.65686	0.287024	0.022108	0.037496
ENSMUSG00000094531	OLFR671	-0.69052	0.301752	0.022116	0.037501
ENSMUSG000000106433	GM32102	-0.58807	0.256982	0.022116	0.037501
ENSMUSG00000042116	VWA1	0.300995	0.131549	0.022133	0.037527
ENSMUSG00000058883	ZFP708	-0.99368	0.434439	0.022179	0.037602
ENSMUSG00000026860	SH3GLB2	-0.3236	0.14148	0.022182	0.037603
ENSMUSG00000035142	NUBPL	0.342001	0.14955	0.022203	0.037635

ENSMUSG00000068226	GM6723	-0.99964	0.437126	0.022205	0.037635
ENSMUSG00000034538	ZFP418	-0.50546	0.221052	0.022218	0.037652
ENSMUSG00000004044	CAVIN1	0.292739	0.12803	0.022226	0.037662
ENSMUSG00000027108	OLA1	0.19617	0.085805	0.022241	0.037684
ENSMUSG00000069305	HIST1H4N	1.450804	0.634665	0.022258	0.037709
ENSMUSG00000051977	PRDM9	0.353955	0.154893	0.022304	0.037779
ENSMUSG00000067063	GM6990	-1.05657	0.462354	0.022301	0.037779
ENSMUSG00000001100	POLDIP2	0.187822	0.082195	0.022309	0.037784
ENSMUSG00000053931	CNN3	0.382479	0.167436	0.022352	0.037853
ENSMUSG00000006517	MVD	0.2735	0.119769	0.022397	0.037925
ENSMUSG00000036916	ZFP280C	-0.30779	0.134884	0.022499	0.038094
ENSMUSG000000106568	GM42814	1.368896	0.599972	0.022513	0.038114
ENSMUSG00000061080	LSAMP	-0.85108	0.373153	0.022562	0.038193
ENSMUSG00000007872	ID3	0.208314	0.091346	0.022579	0.038217
ENSMUSG00000032582	RBM6	0.234856	0.102988	0.022583	0.038217
ENSMUSG00000047702	OLFR1388	-0.4995	0.219035	0.022581	0.038217
ENSMUSG00000026974	ZMYND19	-0.26336	0.115492	0.022585	0.038218
ENSMUSG00000020386	SAR1B	0.254819	0.111782	0.022631	0.038291
ENSMUSG00000040078	PTGES3-PS	-4.83759	2.122763	0.022672	0.038357
ENSMUSG00000006471	NDOR1	0.301136	0.132148	0.022681	0.038368
ENSMUSG00000025935	TRAM1	0.268685	0.117933	0.022709	0.038412
ENSMUSG00000034639	SETMAR	0.375679	0.164931	0.022738	0.038458
ENSMUSG00000022403	ST13	0.334468	0.146899	0.022794	0.038548
ENSMUSG00000021234	FAM161B	-0.41748	0.183446	0.022861	0.038653
ENSMUSG00000026790	ODF2	0.200662	0.088174	0.02286	0.038653
ENSMUSG00000035237	LCAT	-0.40703	0.178915	0.022905	0.038724
ENSMUSG00000031353	RBBP7	-0.189	0.08309	0.022926	0.038756
ENSMUSG00000032997	CHPF	0.198872	0.087431	0.022929	0.038757
ENSMUSG00000032417	RWDD2A	0.898566	0.395066	0.022938	0.038764
ENSMUSG00000058625	GM17383	1.773615	0.779781	0.022936	0.038764
ENSMUSG00000026134	PRIM2	0.442219	0.194455	0.022957	0.038792
ENSMUSG00000032498	MLH1	-0.34093	0.149931	0.022972	0.038814
ENSMUSG00000048450	MSX1	-0.4254	0.187084	0.022974	0.038814
ENSMUSG00000026011	CTLA4	-1.22962	0.540891	0.023006	0.038864
ENSMUSG00000034416	PKD1L2	1.246663	0.54854	0.023045	0.038921
ENSMUSG00000034731	DGKH	-0.38037	0.167366	0.023044	0.038921
ENSMUSG00000069727	ZFP975	-0.34593	0.152236	0.023068	0.038956
ENSMUSG00000016349	EEF1A2	-0.37495	0.16502	0.023078	0.038969
ENSMUSG00000034379	WDR5B	-0.32102	0.141291	0.023083	0.038974
ENSMUSG00000061684	RPL21-PS8	1.139495	0.501616	0.023108	0.039013
ENSMUSG00000037860	AIM2	0.559098	0.246222	0.023165	0.039104
ENSMUSG00000039735	FNBP1L	-0.20835	0.091758	0.023167	0.039104
ENSMUSG00000053852	ADGRG4	-1.16225	0.512014	0.02321	0.039172
ENSMUSG000000101397	MUG-PS1	-1.92116	0.846352	0.023212	0.039172
ENSMUSG00000019214	CHTF18	0.69185	0.304836	0.023233	0.039204
ENSMUSG00000053091	LINS1	0.308616	0.135986	0.02324	0.039212
ENSMUSG00000022003	SLC25A30	-0.31947	0.140806	0.023274	0.039266
ENSMUSG00000028970	ABCB1B	0.390759	0.172239	0.023286	0.039282
ENSMUSG00000027890	GSTM4	0.309316	0.136359	0.023305	0.039311
ENSMUSG00000032604	QARS	0.309012	0.136239	0.023319	0.03933

ENSMUSG00000032186	TMOD2	-0.60016	0.264612	0.023325	0.039337
ENSMUSG00000009575	CBX5	-0.20453	0.090201	0.02336	0.039392
ENSMUSG00000030532	HDDC3	0.271626	0.119806	0.023377	0.039415
ENSMUSG00000070803	CITED4	-0.46276	0.204126	0.023388	0.03943
ENSMUSG00000040591	1110051M20R	0.274649	0.121227	0.023477	0.039577
ENSMUSG00000027845	DCLRE1B	0.459987	0.203049	0.023488	0.039592
ENSMUSG00000020198	AP3D1	-0.18723	0.08266	0.023507	0.03962
ENSMUSG00000054237	FRA10AC1	0.209076	0.092306	0.023511	0.039622
ENSMUSG00000024236	SVIL	-0.5173	0.228458	0.023554	0.039691
ENSMUSG00000034353	RAMP1	-0.99877	0.441118	0.023564	0.039703
ENSMUSG00000080205	GM15526	1.436099	0.634395	0.023591	0.039744
ENSMUSG00000021662	ARHGEF28	-0.27191	0.120168	0.023649	0.039839
ENSMUSG00000032561	ACPP	0.678336	0.299915	0.023712	0.039941
ENSMUSG00000036103	COLEC12	-0.73116	0.323336	0.023741	0.039985
ENSMUSG00000050052	TDRP	-0.59016	0.26112	0.023814	0.040105
ENSMUSG00000067356	B430203G13RI	-1.00333	0.443958	0.023823	0.040116
ENSMUSG00000030147	CLEC4B1	0.855877	0.378726	0.023828	0.040121
ENSMUSG00000020241	COL6A2	-0.48247	0.213523	0.023848	0.04015
ENSMUSG00000110632	GM45880	1.684182	0.745456	0.023867	0.040178
ENSMUSG00000024697	GNA14	-1.26255	0.558846	0.023871	0.04018
ENSMUSG00000105370	GM42718	-0.56628	0.250711	0.023903	0.040231
ENSMUSG00000027984	HADH	-0.42581	0.188565	0.023936	0.040275
ENSMUSG00000033597	CASKIN1	-0.69804	0.309119	0.023935	0.040275
ENSMUSG00000063229	LDHA	0.343753	0.152225	0.023934	0.040275
ENSMUSG00000000884	GNB1L	0.437664	0.193833	0.023949	0.040293
ENSMUSG00000020115	TBK1	0.198636	0.088014	0.024016	0.0404
ENSMUSG00000026344	LYPD1	0.713072	0.315959	0.024018	0.0404
ENSMUSG00000060288	PPIH	0.450102	0.199477	0.024045	0.040441
ENSMUSG00000026848	TOR1B	0.214157	0.094919	0.024058	0.040459
ENSMUSG00000002948	MAP2K7	-0.19299	0.085541	0.024066	0.040469
ENSMUSG00000026162	NHEJ1	0.368633	0.163456	0.024118	0.040553
ENSMUSG00000028847	TRAPPC3	0.192275	0.08526	0.024123	0.040557
ENSMUSG00000046546	FAM43A	0.630897	0.279781	0.024135	0.040573
ENSMUSG00000019775	RGS17	-0.61787	0.274016	0.024143	0.040582
ENSMUSG00000051457	SPN	0.471594	0.209167	0.024157	0.040602
ENSMUSG00000027378	NPHP1	-0.24994	0.110861	0.024161	0.040604
ENSMUSG00000028952	ZBTB48	0.398023	0.176621	0.024225	0.040708
ENSMUSG00000021009	PTPN21	0.187455	0.083186	0.024231	0.040714
ENSMUSG00000021916	GLT8D1	-0.20034	0.088962	0.024324	0.040866
ENSMUSG00000055069	RAB39	0.852887	0.378796	0.024349	0.040905
ENSMUSG00000015090	PTGDS	-0.36158	0.160624	0.02438	0.040953
ENSMUSG00000072812	AHNAK2	0.559721	0.248654	0.024385	0.040958
ENSMUSG00000087412	GM15501	0.75334	0.3347	0.024399	0.040976
ENSMUSG00000022272	MYO10	-0.26997	0.120008	0.024473	0.041096
ENSMUSG00000033257	TTLL4	0.309488	0.137615	0.024516	0.041165
ENSMUSG00000058740	KCNT1	-1.55592	0.691899	0.024527	0.04118
ENSMUSG00000014550	RBSN	0.292254	0.129965	0.024531	0.041181
ENSMUSG00000029384	2010109A12RI	1.241544	0.552136	0.024537	0.041187
ENSMUSG00000014782	PLEKHG4	1.074722	0.478002	0.024553	0.04121
ENSMUSG00000027408	CPXM1	0.376831	0.167627	0.024574	0.041242

ENSMUSG00000001665	GSTT3	-1.48847	0.662266	0.024605	0.04129
ENSMUSG000000030055	RAB43	-0.68377	0.30428	0.024628	0.041324
ENSMUSG000000028221	PIP4P2	0.192781	0.085805	0.024657	0.041368
ENSMUSG000000038074	FKBP14	-0.33217	0.147877	0.024689	0.041419
ENSMUSG000000036305	RPL39-PS	0.672213	0.299275	0.024695	0.041421
ENSMUSG000000111409	GM49380	1.539375	0.685344	0.024695	0.041421
ENSMUSG000000043463	RAB9B	-1.2885	0.57369	0.024705	0.041432
ENSMUSG000000058966	FAM57B	0.279838	0.124597	0.024708	0.041434
ENSMUSG000000037730	MYNN	0.26047	0.115989	0.024726	0.04146
ENSMUSG000000010358	IFI35	-0.30786	0.137118	0.024756	0.041507
ENSMUSG000000020131	PCSK4	0.342558	0.152608	0.024788	0.041555
ENSMUSG000000024182	AXIN1	0.248367	0.110737	0.024906	0.041749
ENSMUSG000000022394	L3MBTL2	-0.31706	0.14137	0.024911	0.041753
ENSMUSG000000061981	FLOT2	-0.2313	0.103142	0.024926	0.041775
ENSMUSG000000008496	POU2F2	0.585857	0.261353	0.024985	0.041868
ENSMUSG000000050761	GP1BB	0.74642	0.332985	0.024987	0.041868
ENSMUSG000000061032	RRP1	0.235888	0.105245	0.025005	0.041895
ENSMUSG000000035692	ISG15	0.324284	0.144692	0.025013	0.0419
ENSMUSG000000037577	EPHX3	0.511135	0.228061	0.025012	0.0419
ENSMUSG000000043267	OLFR1031	1.399825	0.624909	0.025088	0.042021
ENSMUSG000000047617	PAXX	0.214012	0.095555	0.025113	0.042058
ENSMUSG000000046714	FOXC2	0.635958	0.283996	0.025135	0.042092
ENSMUSG000000079550	MPP4	0.815867	0.364378	0.025151	0.042115
ENSMUSG000000025494	SIGIRR	-0.65746	0.293645	0.025157	0.042121
ENSMUSG000000025584	PDE8A	-0.30276	0.135255	0.025194	0.042172
ENSMUSG000000082383	GM9670	1.075118	0.480295	0.025192	0.042172
ENSMUSG000000094708	GM10359	-7.00739	3.130597	0.025198	0.042172
ENSMUSG000000095937	GM12671	-7.00739	3.130597	0.025198	0.042172
ENSMUSG000000025229	PITX3	-1.18636	0.530649	0.025373	0.042461
ENSMUSG000000014030	PAX5	1.090915	0.488269	0.025467	0.042613
ENSMUSG000000025464	PAOX	0.398377	0.178317	0.025477	0.042627
ENSMUSG000000039834	ZFP335	-0.21303	0.095371	0.025501	0.042662
ENSMUSG000000005102	EIF2AK4	0.361547	0.161864	0.025507	0.042668
ENSMUSG000000031204	ASB12	-0.57585	0.257862	0.025537	0.042714
ENSMUSG000000039304	TNFSF10	-1.24585	0.557914	0.025546	0.042725
ENSMUSG000000025245	LZTFL1	-0.33053	0.148029	0.025558	0.04274
ENSMUSG000000078851	HIST3H2A	-0.84881	0.380185	0.025575	0.042765
ENSMUSG000000092035	PEG10	0.724556	0.324691	0.025646	0.04288
ENSMUSG000000109293	DCST2	1.052958	0.471867	0.02565	0.042882
ENSMUSG000000015812	GNRH1	0.526441	0.235928	0.025657	0.042885
ENSMUSG000000030247	KCNJ8	-0.21603	0.096813	0.025656	0.042885
ENSMUSG000000054162	SPOCK3	1.857229	0.832584	0.025702	0.042957
ENSMUSG000000033739	FKBPL	-0.36735	0.164728	0.025744	0.043022
ENSMUSG000000026819	SLC25A25	0.603986	0.270894	0.025774	0.043068
ENSMUSG000000027575	ARFGAP1	-0.20349	0.091271	0.025778	0.04307
ENSMUSG000000039476	PRRX2	1.072079	0.480909	0.025796	0.043096
ENSMUSG000000060586	H2-EB1	0.535844	0.240421	0.025829	0.043147
ENSMUSG000000052631	SH2D6	1.348263	0.605053	0.025858	0.043191
ENSMUSG000000022129	DCT	-0.42012	0.188612	0.025918	0.043288
ENSMUSG000000049985	ANKRD55	0.588357	0.26433	0.026025	0.043453

ENSMUSG00000014301	PAM16	0.286016	0.128511	0.026039	0.043473
ENSMUSG00000021615	XRCC4	0.373246	0.167763	0.026092	0.043556
ENSMUSG00000074909	RANBP6	0.198903	0.089403	0.026095	0.043558
ENSMUSG00000090223	PCP4	-1.4103	0.63391	0.026098	0.043558
ENSMUSG00000061119	PRCP	0.28968	0.130211	0.026101	0.04356
ENSMUSG00000044948	CFAP43	0.581008	0.261238	0.026145	0.043628
ENSMUSG00000052981	UBE2QL1	-0.36173	0.162654	0.026153	0.043638
ENSMUSG00000004567	MCOLN1	0.229707	0.103305	0.026177	0.043672
ENSMUSG00000080984	GM14469	-1.16823	0.525661	0.026256	0.043801
ENSMUSG00000041740	RNF10	0.227608	0.102427	0.026274	0.043826
ENSMUSG00000057406	NSD2	0.235624	0.106044	0.026286	0.043842
ENSMUSG000000106565	GM43582	0.857996	0.386202	0.026309	0.043875
ENSMUSG00000003184	IRF3	0.226081	0.101799	0.026361	0.043953
ENSMUSG00000035539	CCDC180	-0.85969	0.3871	0.026361	0.043953
ENSMUSG00000037526	ATG14	-0.21744	0.097915	0.026372	0.043968
ENSMUSG00000041235	CHD7	0.303124	0.136506	0.026378	0.043974
ENSMUSG00000050578	MMP13	0.642593	0.289457	0.026419	0.044038
ENSMUSG00000069922	CES3A	-1.83774	0.827869	0.02643	0.044051
ENSMUSG00000020638	CMPK2	-0.84214	0.379452	0.026462	0.044101
ENSMUSG00000079164	TLR5	-0.53591	0.241513	0.026488	0.04414
ENSMUSG00000032500	DCLK3	-1.32789	0.59844	0.026493	0.044143
ENSMUSG00000027227	SORD	-0.25558	0.115228	0.02655	0.044234
ENSMUSG00000049624	SLC17A5	-0.25677	0.115789	0.026587	0.044292
ENSMUSG00000058655	EIF4B	0.243443	0.109792	0.026602	0.044312
ENSMUSG00000021504	B4GALT7	-0.24956	0.112566	0.02662	0.044338
ENSMUSG00000004552	CTSE	1.239121	0.559017	0.02665	0.044384
ENSMUSG00000063268	PARP10	-0.28894	0.130386	0.026688	0.044443
ENSMUSG00000051506	WDFY4	0.579937	0.261715	0.026697	0.044454
ENSMUSG00000048439	NUPL2	0.281906	0.127229	0.02671	0.04447
ENSMUSG00000021990	SPATA13	0.385423	0.173991	0.026747	0.044528
ENSMUSG00000034640	TIPARP	0.683761	0.308849	0.026836	0.044671
ENSMUSG00000028211	TRP53INP1	0.478859	0.216336	0.026863	0.044713
ENSMUSG00000042106	INKA1	0.537486	0.242875	0.026897	0.044764
ENSMUSG00000031010	USP9X	0.18785	0.08489	0.026907	0.044777
ENSMUSG00000024558	MAPK4	0.688456	0.311144	0.026921	0.044795
ENSMUSG00000028619	TCEANC2	0.325604	0.147163	0.02693	0.044797
ENSMUSG00000031595	PDGFRL	-0.61167	0.276457	0.02693	0.044797
ENSMUSG00000035504	REEP6	-0.40922	0.184949	0.026926	0.044797
ENSMUSG00000028804	CSMD2	1.019997	0.461084	0.026955	0.044834
ENSMUSG00000025150	CBR2	-0.56212	0.25414	0.026977	0.044867
ENSMUSG00000070822	ZSCAN18	0.473984	0.214375	0.027036	0.04496
ENSMUSG00000040929	RFX3	-0.47505	0.214874	0.027048	0.044976
ENSMUSG00000027171	PRRG4	-0.63346	0.286576	0.027075	0.045003
ENSMUSG00000096145	VKORC1	0.26777	0.121138	0.027074	0.045003
ENSMUSG00000027187	CAT	-0.27504	0.124436	0.027085	0.045016
ENSMUSG00000090628	GM17083	1.228292	0.555743	0.027093	0.045023
ENSMUSG00000070570	SLC17A7	-0.41326	0.186986	0.027097	0.045027
ENSMUSG000000105359	RPL21-PS10	1.187906	0.53751	0.027104	0.045034
ENSMUSG00000042705	COMMD10	-0.22931	0.103775	0.027128	0.045069
ENSMUSG00000027896	SLC16A4	0.396226	0.179346	0.027155	0.045109

ENSMUSG00000024308	TAPBP	-0.2125	0.09633	0.027383	0.045484
ENSMUSG00000021900	BTB	-0.27548	0.124903	0.027416	0.045532
ENSMUSG00000082926	GM8172	1.236595	0.560681	0.027417	0.045532
ENSMUSG00000013858	TMEM259	-0.2206	0.100026	0.027423	0.045536
ENSMUSG00000027439	GZF1	-0.27454	0.124513	0.027461	0.045595
ENSMUSG00000038390	GPR162	-0.35951	0.163103	0.02751	0.045673
ENSMUSG00000082179	GM11407	-0.8343	0.37866	0.027574	0.045774
ENSMUSG00000041935	AW549877	-0.18499	0.083987	0.027619	0.045845
ENSMUSG00000032925	ITGBL1	-1.04445	0.474224	0.027634	0.045864
ENSMUSG00000020993	TRAPPC6B	-0.18583	0.084402	0.027683	0.045942
ENSMUSG00000022560	SLC52A2	0.358542	0.162849	0.027687	0.045944
ENSMUSG00000046962	ZBTB21	0.430236	0.195498	0.027756	0.046053
ENSMUSG00000041134	CYYR1	-0.20157	0.091632	0.027827	0.046167
ENSMUSG00000033488	CRYZL2	0.438689	0.199434	0.02783	0.046168
ENSMUSG00000094132	GM3264	-1.81457	0.825317	0.027904	0.046276
ENSMUSG00000017830	DHX58	0.466688	0.21228	0.027917	0.046293
ENSMUSG00000068551	ZFP467	-0.37473	0.170526	0.027984	0.046401
ENSMUSG00000008090	FGFRL1	-0.30682	0.139663	0.028031	0.046474
ENSMUSG00000029319	COQ2	0.256388	0.116734	0.028067	0.046529
ENSMUSG00000039114	NRN1	-0.81445	0.370857	0.028083	0.046552
ENSMUSG00000019975	IKBIP	-0.27752	0.126387	0.028107	0.046585
ENSMUSG00000069227	GPRIN1	-1.28074	0.583443	0.028153	0.046658
ENSMUSG00000038383	PIGU	-0.19608	0.089348	0.028192	0.046718
ENSMUSG00000074797	ITPA	0.377204	0.171897	0.02821	0.046743
ENSMUSG00000024043	ARHGAP28	-0.5245	0.239054	0.028232	0.046774
ENSMUSG00000093839	OLFR462	-0.96557	0.440381	0.028337	0.046945
ENSMUSG00000027358	BMP2	0.784356	0.357922	0.028422	0.04708
ENSMUSG00000031596	SLC7A2	0.461528	0.210613	0.028426	0.047083
ENSMUSG00000024069	SLC30A6	-0.25416	0.116024	0.028482	0.047171
ENSMUSG00000026095	ASNSD1	0.183087	0.083596	0.028514	0.047219
ENSMUSG00000025728	PIGQ	-0.2154	0.098363	0.028536	0.047251
ENSMUSG00000027076	TIMM10	0.229729	0.104913	0.028545	0.047262
ENSMUSG00000042133	PPIG	0.271063	0.123808	0.028569	0.047297
ENSMUSG00000022890	ATP5J	0.227024	0.103713	0.028599	0.047342
ENSMUSG00000022404	SLC25A17	-0.21098	0.096399	0.028628	0.047384
ENSMUSG00000026775	YME1L1	0.210434	0.096154	0.028632	0.047387
ENSMUSG00000034121	MKS1	-0.34191	0.15628	0.028685	0.04747
ENSMUSG00000051515	FAM181B	-0.45012	0.205746	0.028688	0.047471
ENSMUSG00000026427	EIF2D	0.184236	0.084232	0.028725	0.047522
ENSMUSG00000078870	GM14410	0.362171	0.165582	0.028723	0.047522
ENSMUSG00000022771	PPIL2	0.211704	0.096798	0.028738	0.047538
ENSMUSG000000110404	RNF223	0.833331	0.381108	0.028772	0.04759
ENSMUSG00000038570	SAXO2	-0.44054	0.201516	0.028806	0.047643
ENSMUSG00000059475	ZFP426	0.32537	0.148841	0.028814	0.04765
ENSMUSG00000062611	RPS3A2	1.313209	0.600953	0.028873	0.047744
ENSMUSG00000029536	GATC	-0.19143	0.087609	0.028886	0.04776
ENSMUSG00000041607	MBP	0.439844	0.201314	0.028899	0.047778
ENSMUSG00000024073	BIRC6	0.202943	0.092943	0.028996	0.047934
ENSMUSG000000107478	GM45234	-2.13309	0.976974	0.029009	0.04795
ENSMUSG00000029361	NOS1	-1.07164	0.490916	0.02904	0.047997

ENSMUSG00000029089	5730480H06RI	0.431302	0.197593	0.029052	0.048012
ENSMUSG00000067787	BLCAP	-0.23471	0.107599	0.029155	0.048178
ENSMUSG00000027351	SPRED1	0.314282	0.144085	0.029167	0.048193
ENSMUSG00000032053	POU2AF1	0.73885	0.338816	0.029207	0.048254
ENSMUSG000000102692	DCHS2	-0.94999	0.4357	0.029229	0.048286
ENSMUSG00000040188	SCAMP2	0.234572	0.107616	0.029278	0.048363
ENSMUSG00000051339	2900026A02RI	0.410086	0.188142	0.029283	0.048365
ENSMUSG00000028351	BRINP1	-1.24042	0.569111	0.029289	0.048366
ENSMUSG00000073894	RBMXL2	-1.35472	0.621546	0.029287	0.048366
ENSMUSG00000034566	ATP5H	0.290193	0.133146	0.029294	0.048368
ENSMUSG00000058093	ZFP729B	-0.49859	0.228767	0.029296	0.048368
ENSMUSG00000021577	SDHA	-0.30559	0.140283	0.029377	0.048492
ENSMUSG00000026726	CUBN	-0.40034	0.183778	0.029377	0.048492
ENSMUSG00000041921	METAP1D	0.182211	0.083653	0.029393	0.048515
ENSMUSG00000032009	SESN3	-0.44578	0.204712	0.029435	0.048575
ENSMUSG00000066129	KNDC1	-0.45838	0.210495	0.029433	0.048575
ENSMUSG00000020364	ZFP354A	-0.86032	0.395098	0.029444	0.048584
ENSMUSG00000022240	CTNND2	0.821032	0.37716	0.02949	0.048655
ENSMUSG00000091784	GM17022	-0.63738	0.2929	0.029547	0.048745
ENSMUSG00000030315	VGLL4	0.245236	0.112705	0.029562	0.048764
ENSMUSG00000079457	GM7609	-0.77391	0.355714	0.029581	0.048791
ENSMUSG00000041616	NPPA	0.992323	0.456166	0.029603	0.048823
ENSMUSG00000034107	ANO7	2.008146	0.923162	0.029608	0.048827
ENSMUSG00000029452	TMEM116	0.518379	0.238342	0.029635	0.048865
ENSMUSG00000001349	CNN1	1.119801	0.514986	0.029673	0.048919
ENSMUSG00000028292	RARS2	-0.25455	0.117063	0.029673	0.048919
ENSMUSG00000039671	ZMYND8	-0.32511	0.149562	0.029726	0.049002
ENSMUSG00000039480	NT5DC1	-0.28051	0.129127	0.029827	0.049164
ENSMUSG00000020114	CAND1	-0.28599	0.131656	0.029838	0.049177
ENSMUSG00000021928	EBPL	-0.33228	0.153014	0.029891	0.049259
ENSMUSG00000096712	GM15454	1.510654	0.695759	0.029914	0.049292
ENSMUSG00000037148	ARHGAP10	-0.18081	0.083291	0.029944	0.049336
ENSMUSG00000064179	TNNT1	0.368418	0.169715	0.029946	0.049336
ENSMUSG00000038122	TBC1D32	-0.45465	0.209473	0.029971	0.049373
ENSMUSG00000031667	AKTIP	0.188428	0.08682	0.029981	0.049383
ENSMUSG00000047284	NEURL4	-0.20353	0.093783	0.029987	0.049389
ENSMUSG00000021591	GLRX	-0.37126	0.171069	0.029991	0.04939
ENSMUSG00000026676	CCDC3	-0.90793	0.418688	0.030119	0.049597
ENSMUSG00000051379	FLRT3	0.909516	0.41955	0.030171	0.049678
ENSMUSG00000024381	BIN1	0.416328	0.192099	0.030215	0.049745
ENSMUSG00000039270	MEGF9	-0.42171	0.194593	0.030226	0.049759
ENSMUSG00000047361	GM973	1.561612	0.720715	0.030254	0.049799
ENSMUSG00000028180	ZRANB2	0.223013	0.102934	0.030269	0.049819
ENSMUSG00000031202	RAB39B	1.180035	0.544711	0.030284	0.04984
ENSMUSG00000045624	ESF1	0.290151	0.133942	0.030293	0.049849
ENSMUSG00000026275	PPP1R7	0.302113	0.139471	0.030301	0.049857
ENSMUSG00000018736	NDEL1	0.185957	0.085872	0.030349	0.049931
ENSMUSG00000026202	TUBA4A	0.280954	0.129746	0.030356	0.049936
ENSMUSG00000039089	L3MBTL3	-0.27666	0.127762	0.030358	0.049936
ENSMUSG00000023832	ACAT2	-0.30513	0.140938	0.030387	0.04998

ENSMUSG00000062345	SERPINB2	2.006735	0.926945	0.030396	0.04999
ENSMUSG00000039774	GALNT12	0.717703	0.331542	0.030408	0.050002
ENSMUSG00000066755	TNFSF18	0.96796	0.447154	0.03041	0.050002
ENSMUSG00000031851	NTPCR	0.240519	0.111177	0.030512	0.050165
ENSMUSG00000054957	GM9959	1.284561	0.593936	0.030557	0.050235
ENSMUSG00000098692	GM28041	0.804293	0.371888	0.030562	0.050238
ENSMUSG00000000959	OXA1L	-0.3084	0.142602	0.030566	0.05024
ENSMUSG00000038135	CRYGN	-1.57496	0.72833	0.030586	0.050267
ENSMUSG000000102824	PDCD5-PS	0.510555	0.236113	0.030592	0.050274
ENSMUSG00000070427	IL18BP	-0.27262	0.126086	0.030607	0.050293
ENSMUSG00000044617	ZBTB39	0.220673	0.102083	0.030642	0.050345
ENSMUSG00000039244	E130309D02RI	0.201272	0.093162	0.030738	0.050498
ENSMUSG00000020220	VPS13D	0.254151	0.117675	0.030791	0.050579
ENSMUSG00000020788	ATP2A3	-0.34285	0.158745	0.030793	0.050579
ENSMUSG00000037685	ATP8A1	-0.33584	0.155554	0.030852	0.050671
ENSMUSG00000022023	WBP4	0.184715	0.085561	0.03086	0.050676
ENSMUSG00000027035	CERS6	0.498011	0.230683	0.030861	0.050676
ENSMUSG00000000037	SCML2	-0.68416	0.316937	0.030877	0.050697
ENSMUSG00000048126	COL6A3	0.59275	0.27461	0.030887	0.05071
ENSMUSG00000032280	TLE3	0.401818	0.186158	0.030891	0.05071
ENSMUSG00000021391	CENPP	0.316567	0.146668	0.030897	0.050716
ENSMUSG00000061589	DOT1L	-0.35466	0.164322	0.030903	0.05072
ENSMUSG00000071311	GPR31B	1.234128	0.571833	0.030912	0.050731
ENSMUSG00000096699	RPS19-PS4	1.261563	0.58459	0.030926	0.050747
ENSMUSG00000098905	ZFP953	-0.40479	0.187576	0.030928	0.050747
ENSMUSG00000090981	OLFR718-PS1	0.391782	0.181554	0.030933	0.05075
ENSMUSG00000024271	ELP2	-0.19926	0.092377	0.031004	0.050862
ENSMUSG00000073802	CDKN2B	0.812113	0.37651	0.03101	0.050866
ENSMUSG00000046607	HRK	-1.47761	0.6852	0.031047	0.050923
ENSMUSG00000038902	POGZ	-0.23605	0.10947	0.03106	0.050939
ENSMUSG00000074034	GM5921	1.153075	0.53489	0.031105	0.051008
ENSMUSG00000070644	ETNK2	-0.69246	0.32128	0.031138	0.051057
ENSMUSG00000003135	CNOT11	0.222688	0.103324	0.031143	0.051061
ENSMUSG00000020029	NUDT4	-0.30352	0.140855	0.031175	0.051108
ENSMUSG00000025645	CCDC51	-0.37192	0.172706	0.031278	0.051272
ENSMUSG00000051965	NANOS2	1.346131	0.625107	0.031284	0.051277
ENSMUSG00000038517	TBKBP1	-0.21432	0.099541	0.031308	0.05131
ENSMUSG00000010025	ALDH3A2	-0.21219	0.098555	0.03132	0.051325
ENSMUSG00000022914	BRWD1	-0.18751	0.087114	0.031361	0.051388
ENSMUSG00000090236	CAR15	0.504063	0.234199	0.031375	0.051406
ENSMUSG00000058281	GM10038	0.910596	0.423103	0.031383	0.051413
ENSMUSG00000038664	HERC1	-0.19727	0.091665	0.031394	0.051427
ENSMUSG000000111877	GM6477	1.144197	0.531698	0.0314	0.051431
ENSMUSG00000037190	CYB561D2	0.374569	0.174085	0.031425	0.051468
ENSMUSG00000083816	GM13033	0.687519	0.319603	0.031463	0.051525
ENSMUSG00000020700	MAP3K3	-0.28949	0.134739	0.031672	0.051862
ENSMUSG00000026927	ENTR1	0.18254	0.084974	0.031699	0.051901
ENSMUSG00000019916	P4HA1	-0.19694	0.091683	0.031709	0.051914
ENSMUSG00000033847	PLA2G4C	-1.28277	0.597194	0.031715	0.051917
ENSMUSG00000031889	D230025D16RI	-0.19623	0.091362	0.031728	0.051932

ENSMUSG00000035505	COX18	0.248821	0.115849	0.03173	0.051932
ENSMUSG00000061295	OLFR1261	-0.92945	0.432782	0.031744	0.05195
ENSMUSG00000002845	TMEM39A	0.258875	0.12058	0.031801	0.052038
ENSMUSG00000030276	TTLL3	0.358961	0.16728	0.031884	0.052169
ENSMUSG00000031201	BRCC3	0.270075	0.125875	0.031906	0.0522
ENSMUSG00000030982	VPS35L	0.207147	0.096549	0.031912	0.052205
ENSMUSG00000028560	USP1	-0.27494	0.128163	0.031931	0.052222
ENSMUSG00000074547	RPS8-PS4	1.322684	0.616559	0.031932	0.052222
ENSMUSG00000078441	ENSMUSG0000C	0.198909	0.092718	0.031928	0.052222
ENSMUSG00000078747	GM20878	-0.90871	0.423677	0.031967	0.052275
ENSMUSG00000022216	PSME1	-0.30518	0.142298	0.031981	0.052293
ENSMUSG00000023169	SLC38A1	-0.39522	0.184324	0.032021	0.052353
ENSMUSG00000069114	ZBTB10	-0.21294	0.09932	0.032032	0.052366
ENSMUSG00000072235	TUBA1A	0.941967	0.439531	0.032104	0.052478
ENSMUSG00000040713	CREG1	0.397255	0.185468	0.032201	0.052632
ENSMUSG00000030685	KCTD13	-0.29802	0.13917	0.032244	0.052696
ENSMUSG00000024242	MAP4K3	-0.18351	0.085704	0.032257	0.052713
ENSMUSG00000024936	KCNK7	1.920574	0.897364	0.032336	0.052837
ENSMUSG00000036330	SLC18A1	0.779831	0.364373	0.032339	0.052837
ENSMUSG00000032281	ACSBG1	0.969338	0.453078	0.032399	0.05293
ENSMUSG00000036687	TMEM184A	1.091608	0.510335	0.032435	0.052985
ENSMUSG00000057706	MEX3B	-0.46066	0.215405	0.032469	0.053034
ENSMUSG00000045876	PCDHB8	-1.02347	0.47868	0.032509	0.053094
ENSMUSG000000111692	GM49373	-2.18029	1.01988	0.032534	0.05313
ENSMUSG00000017314	MPP2	-0.5744	0.268697	0.032541	0.053136
ENSMUSG00000032383	PPIB	0.20762	0.097148	0.032586	0.053205
ENSMUSG00000074634	TMEM267	-0.50759	0.237527	0.0326	0.053223
ENSMUSG00000001964	EMD	0.197049	0.092239	0.032656	0.053308
ENSMUSG00000020230	PRMT2	0.193684	0.090669	0.032665	0.053319
ENSMUSG00000027651	RPRD1B	-0.21318	0.099799	0.032671	0.053323
ENSMUSG00000041671	PYROXD1	0.211197	0.098898	0.032721	0.053399
ENSMUSG00000002409	DYRK1B	-0.26126	0.12236	0.032748	0.053435
ENSMUSG00000030706	MRPL48	0.19938	0.09338	0.032749	0.053435
ENSMUSG00000021550	2210016F16RII	-0.17619	0.082534	0.032786	0.05349
ENSMUSG00000045983	EIF4G1	0.184333	0.086368	0.032821	0.053542
ENSMUSG00000076612	IGHG2C	0.415396	0.194646	0.032834	0.053558
ENSMUSG00000011148	ADSSL1	0.177994	0.083414	0.032854	0.053585
ENSMUSG00000072066	6720489N17RI	-0.52064	0.244051	0.032898	0.053652
ENSMUSG00000028159	DAPP1	0.765886	0.359054	0.032919	0.053682
ENSMUSG00000021209	PPP4R4	0.66012	0.309571	0.032977	0.05377
ENSMUSG00000083563	GM13340	-0.31108	0.145896	0.03299	0.053787
ENSMUSG00000001300	EFNB2	-0.24986	0.117198	0.033013	0.053814
ENSMUSG00000074629	4930518I15RIK	-1.17429	0.550805	0.033011	0.053814
ENSMUSG00000046589	LRRC8E	-0.60924	0.285783	0.03302	0.053821
ENSMUSG00000078653	CNTD1	-0.81782	0.383638	0.033028	0.053828
ENSMUSG00000029106	ADD1	0.180129	0.084506	0.033044	0.05385
ENSMUSG00000079316	RAB9	-0.2232	0.104724	0.03306	0.05387
ENSMUSG00000021097	CLMN	-0.75181	0.352748	0.033066	0.053874
ENSMUSG00000004568	ARHGEF18	0.212375	0.099692	0.033147	0.054001
ENSMUSG00000089803	GM10171	-5.06946	2.379795	0.033155	0.054009

ENSMUSG00000061576	DPP6	-0.74108	0.347935	0.033177	0.05404
ENSMUSG00000029616	ERP29	0.17881	0.083961	0.033198	0.054069
ENSMUSG00000014907	NAF1	0.246575	0.115786	0.033206	0.054078
ENSMUSG00000020257	WDR82	-0.25382	0.119201	0.033228	0.054107
ENSMUSG00000021536	ADCY2	-1.11786	0.525018	0.033239	0.054121
ENSMUSG00000037972	SNN	-0.26794	0.125853	0.033257	0.054144
ENSMUSG00000093445	LRCH4	-0.27833	0.130777	0.033316	0.054236
ENSMUSG00000068758	IL3RA	0.37128	0.174475	0.033339	0.054267
ENSMUSG00000021993	MIPEP	-0.24928	0.117165	0.033371	0.054315
ENSMUSG00000023008	FMNL3	0.185129	0.087027	0.033398	0.054352
ENSMUSG00000026228	HTR2B	1.032277	0.485273	0.033403	0.054355
ENSMUSG00000021952	XPO4	0.280387	0.13185	0.033457	0.054433
ENSMUSG00000022031	ELP3	0.178483	0.08393	0.033455	0.054433
ENSMUSG00000029640	USP12	0.190922	0.089784	0.033466	0.054438
ENSMUSG00000030008	PRADC1	-0.26308	0.123719	0.033467	0.054438
ENSMUSG00000020814	MXRA7	-0.69609	0.327396	0.033491	0.054473
ENSMUSG00000024006	STK38	0.268124	0.126128	0.033519	0.054514
ENSMUSG00000051497	KCNJ16	-0.87388	0.411233	0.033585	0.054615
ENSMUSG00000054611	KDM2A	-0.19651	0.092489	0.033616	0.05466
ENSMUSG00000024077	STRN	0.518795	0.244209	0.033638	0.054686
ENSMUSG00000039929	URB1	0.32428	0.152645	0.033636	0.054686
ENSMUSG00000070526	PEG12	0.533402	0.251091	0.033642	0.054687
ENSMUSG00000022139	MBNL2	0.179199	0.084362	0.033655	0.054704
ENSMUSG00000037363	LETM2	-0.44717	0.21056	0.033695	0.054762
ENSMUSG00000058927	GM10053	0.192859	0.090824	0.033717	0.054794
ENSMUSG000000108948	OLFR695	1.058139	0.498408	0.033751	0.054843
ENSMUSG00000046743	FAT4	-0.48442	0.228182	0.033759	0.054851
ENSMUSG00000021039	SNW1	-0.17866	0.084163	0.03377	0.054863
ENSMUSG00000030284	CRELD1	-0.19906	0.093782	0.033788	0.054888
ENSMUSG00000027326	KNL1	0.623002	0.293584	0.033833	0.054955
ENSMUSG00000032463	FAIM	0.296851	0.139916	0.033868	0.055003
ENSMUSG00000041135	RIPK2	0.265459	0.12512	0.033869	0.055003
ENSMUSG00000053730	TMEM39B	-0.39978	0.188486	0.033922	0.055085
ENSMUSG00000022861	DGKG	0.49721	0.234432	0.033929	0.055091
ENSMUSG00000021175	CDCA7L	0.950761	0.448326	0.033948	0.055105
ENSMUSG00000028700	POMGNT1	0.177275	0.08359	0.033942	0.055105
ENSMUSG00000041773	ENC1	0.629754	0.296954	0.033946	0.055105
ENSMUSG00000030672	MYLPF	-0.76438	0.360509	0.033981	0.055154
ENSMUSG00000079429	MROH2A	0.645641	0.30457	0.034019	0.05521
ENSMUSG00000021557	AGTPBP1	-0.31034	0.146429	0.034056	0.055265
ENSMUSG00000055296	TMEM245	-0.33667	0.158862	0.034067	0.055277
ENSMUSG00000048080	OLFR731	-0.46184	0.217949	0.034087	0.055304
ENSMUSG000000107071	GM42420	0.748384	0.353373	0.03419	0.055466
ENSMUSG00000025036	SFXN2	-0.30627	0.144626	0.034205	0.055486
ENSMUSG00000051335	GFOD1	-0.25504	0.120448	0.03422	0.055505
ENSMUSG00000030493	FAAP24	0.487721	0.230368	0.034248	0.055545
ENSMUSG00000070837	AURKC	0.960198	0.45369	0.034309	0.055639
ENSMUSG00000052428	TMCO1	0.259429	0.122653	0.034418	0.05581
ENSMUSG00000051674	DCUN1D4	0.35917	0.169844	0.034455	0.055865
ENSMUSG00000042388	DLGAP3	-0.94479	0.446803	0.034467	0.055878

ENSMUSG00000037013	SS18	-0.17949	0.084905	0.034517	0.055954
ENSMUSG00000022508	BCL6	-0.72972	0.345451	0.034656	0.056174
ENSMUSG00000024371	C2	0.745417	0.352979	0.034705	0.056237
ENSMUSG00000027427	POLR3F	-0.31814	0.150649	0.034701	0.056237
ENSMUSG00000054641	MMRN1	-0.81731	0.387017	0.034703	0.056237
ENSMUSG00000071252	2210408I21RIK	-0.31666	0.149973	0.034733	0.056277
ENSMUSG00000033760	RBM4B	0.285245	0.13512	0.034768	0.056328
ENSMUSG00000027778	IFT80	-0.33598	0.159183	0.034802	0.056379
ENSMUSG00000074731	ZFP345	0.934297	0.442667	0.034806	0.056379
ENSMUSG00000092229	GM5977	-0.65815	0.311927	0.034863	0.056467
ENSMUSG00000043029	TRPV3	0.766399	0.363307	0.034901	0.056523
ENSMUSG00000029545	ACADS	-0.27364	0.129824	0.03505	0.056759
ENSMUSG00000014329	BICC1	-0.29648	0.140687	0.035083	0.056807
ENSMUSG00000028681	PTCH2	-0.7038	0.334041	0.035124	0.056868
ENSMUSG00000007080	POLE	0.377467	0.179171	0.03514	0.056888
ENSMUSG000000110690	GM18001	1.294962	0.614718	0.035153	0.056903
ENSMUSG00000039294	CYBC1	0.26711	0.126813	0.035175	0.056935
ENSMUSG00000001082	MFSD10	0.40274	0.191246	0.035216	0.056994
ENSMUSG00000044505	LINGO4	0.837246	0.397758	0.035299	0.057124
ENSMUSG00000030157	CLEC2D	0.206104	0.097922	0.035311	0.057132
ENSMUSG00000054455	VAPB	0.196695	0.093452	0.035311	0.057132
ENSMUSG000000101523	GM10031	2.738504	1.302002	0.035439	0.057334
ENSMUSG00000062054	IAH1	0.212558	0.10107	0.035459	0.05736
ENSMUSG00000072244	TRIM6	-0.64552	0.307043	0.03552	0.057453
ENSMUSG00000000751	RPA1	0.230856	0.109835	0.035568	0.057525
ENSMUSG00000032267	USP28	0.542616	0.258234	0.035618	0.057602
ENSMUSG00000038216	PNMT	-0.7016	0.333953	0.03565	0.057648
ENSMUSG00000030056	ISY1	0.259606	0.123572	0.035655	0.05765
ENSMUSG00000042761	MRAP2	0.611446	0.291065	0.035666	0.057662
ENSMUSG00000051149	ADNP	-0.69378	0.330286	0.035682	0.057683
ENSMUSG00000039656	RXRΒ	0.308963	0.147099	0.035696	0.0577
ENSMUSG00000002326	GMPR2	0.203648	0.096978	0.035734	0.057757
ENSMUSG00000044055	OTOS	1.703677	0.811465	0.035772	0.057812
ENSMUSG000000106864	GTF3C2	-0.21014	0.100125	0.035834	0.057907
ENSMUSG00000033819	PPP1R16A	0.198967	0.094803	0.035839	0.05791
ENSMUSG00000020258	GLYCTK	-0.66504	0.316963	0.035891	0.057988
ENSMUSG00000018909	ARRB1	-0.37535	0.178918	0.035915	0.058021
ENSMUSG00000021947	CRYL1	-0.28885	0.137832	0.036112	0.058329
ENSMUSG00000058152	CHSY3	0.763709	0.364419	0.03611	0.058329
ENSMUSG00000002625	AKAP8L	-0.17653	0.084249	0.036142	0.058371
ENSMUSG00000023868	PDE10A	-0.44291	0.211424	0.036179	0.058426
ENSMUSG00000018570	2810408A11RII	0.846071	0.403898	0.036192	0.05844
ENSMUSG00000061897	GM14292	0.440656	0.210455	0.036276	0.058571
ENSMUSG00000039883	LRRC17	-0.98012	0.46819	0.036311	0.058621
ENSMUSG00000028360	SLC44A5	-0.88913	0.424808	0.036348	0.058676
ENSMUSG00000063445	NMRAL1	-0.4338	0.207349	0.036429	0.058801
ENSMUSG00000005893	NR2C2	-0.31508	0.150695	0.036543	0.058974
ENSMUSG00000075033	NXPE3	0.64809	0.309966	0.036542	0.058974
ENSMUSG00000025962	FASTKD2	0.250119	0.119629	0.036547	0.058975
ENSMUSG00000048040	ARXES2	-1.49321	0.714215	0.036555	0.058982

ENSMUSG00000063919	SRRM4	-0.59113	0.282769	0.036572	0.059005
ENSMUSG00000005907	PEX1	-0.32444	0.155204	0.036583	0.059015
ENSMUSG000000036196	SLC26A8	0.668972	0.320108	0.036633	0.059091
ENSMUSG000000035133	ARHGAP5	-0.36385	0.174127	0.036656	0.059123
ENSMUSG000000075195	OLFR1048	1.091722	0.522666	0.03673	0.059219
ENSMUSG000000083558	GM12896	-1.04079	0.498276	0.036728	0.059219
ENSMUSG000000027048	ABCB11	-1.47475	0.706118	0.036749	0.059245
ENSMUSG000000013160	ATP6V0D1	0.183513	0.087874	0.036766	0.059266
ENSMUSG000000014245	PIGL	0.311424	0.149136	0.036781	0.059279
ENSMUSG000000046798	CLDN12	-0.31429	0.150506	0.03678	0.059279
ENSMUSG000000034833	TESPA1	1.294624	0.620104	0.03682	0.059336
ENSMUSG000000007035	MSH5	0.687542	0.329386	0.036857	0.05939
ENSMUSG000000038295	ATG9B	-1.04968	0.502933	0.036878	0.059414
ENSMUSG000000039536	STAU1	-0.17954	0.086022	0.036879	0.059414
ENSMUSG000000030616	SYTL2	-0.73853	0.353881	0.036894	0.059433
ENSMUSG000000038213	TAPBPL	-0.47104	0.225718	0.036902	0.05944
ENSMUSG000000041362	SHTN1	0.283425	0.135846	0.036944	0.059503
ENSMUSG000000073927	OLFR652	-0.78417	0.376006	0.037022	0.059623
ENSMUSG000000037674	RFX7	0.23969	0.114964	0.037078	0.059707
ENSMUSG000000027420	BFSP1	0.600968	0.288297	0.037111	0.059754
ENSMUSG000000025266	GNL3L	-0.26792	0.12853	0.037115	0.059755
ENSMUSG0000000100838	GM29094	1.836801	0.881339	0.037151	0.059807
ENSMUSG000000070443	GM10291	0.602899	0.289361	0.037201	0.059882
ENSMUSG000000020806	RHBDF2	0.220932	0.106068	0.037258	0.059969
ENSMUSG000000083734	GM16209	-0.83412	0.400482	0.03727	0.059982
ENSMUSG000000030884	UQCRC2	-0.21036	0.101014	0.037297	0.06002
ENSMUSG000000050147	F2RL3	0.586902	0.281862	0.037321	0.060053
ENSMUSG000000019232	ETNPPL	-1.11176	0.534041	0.037362	0.060113
ENSMUSG000000001143	LMAN2L	0.293822	0.141153	0.03738	0.060136
ENSMUSG000000037940	INPP4B	-0.45676	0.219461	0.037408	0.060176
ENSMUSG000000041406	BC055324	0.63567	0.305492	0.037452	0.06024
ENSMUSG000000093456	GM20662	0.93895	0.451401	0.037518	0.060341
ENSMUSG000000047591	MAFA	-0.95974	0.46152	0.03757	0.060418
ENSMUSG000000061702	TMEM91	0.529847	0.254812	0.037584	0.060435
ENSMUSG000000028571	CYP2J13	1.001122	0.481507	0.037604	0.060462
ENSMUSG000000028042	ZBTB7B	0.251223	0.120833	0.037609	0.060464
ENSMUSG000000022659	GCSAM	1.145934	0.551212	0.037623	0.060482
ENSMUSG000000001998	AP4E1	0.337083	0.162167	0.037652	0.060523
ENSMUSG000000083700	GM2986	1.272401	0.61221	0.037675	0.060553
ENSMUSG000000049999	PPP1R3D	-0.4782	0.230099	0.037688	0.060568
ENSMUSG000000027931	NPR1	-0.3191	0.15361	0.037771	0.060697
ENSMUSG000000024670	CD6	0.893887	0.430357	0.037794	0.060727
ENSMUSG000000020658	EFR3B	-0.21695	0.104452	0.0378	0.060731
ENSMUSG000000094970	OLFR943	-0.78561	0.378272	0.037816	0.060751
ENSMUSG000000075200	OLFR1044	-0.85903	0.413868	0.037929	0.060921
ENSMUSG000000079462	GM15737	-0.81115	0.390798	0.037928	0.060921
ENSMUSG000000081684	RPS2-PS13	1.334742	0.643162	0.037961	0.060966
ENSMUSG000000094724	RNASET2B	-0.17641	0.085012	0.037981	0.060993
ENSMUSG000000004071	CDIP1	-0.17231	0.083042	0.037985	0.060994
ENSMUSG000000014778	FHOD1	-0.21843	0.105267	0.037989	0.060994

ENSMUSG00000024457	TRIM26	0.19865	0.095792	0.038101	0.061168
ENSMUSG00000078853	IGTP	-0.60231	0.290473	0.038121	0.061194
ENSMUSG00000074102	RBM15B	0.232554	0.112174	0.038157	0.061247
ENSMUSG00000042055	WDR11	0.222883	0.107546	0.038225	0.06135
ENSMUSG00000021583	ERAP1	-0.17504	0.084465	0.03823	0.061352
ENSMUSG00000035232	PDK3	0.502341	0.242411	0.03824	0.061363
ENSMUSG00000060240	CEND1	-0.65413	0.315699	0.038263	0.061394
ENSMUSG00000003779	KIF20A	0.310436	0.149834	0.038278	0.061412
ENSMUSG00000004270	LPCAT3	-0.21172	0.102206	0.03831	0.061458
ENSMUSG00000069609	CD300LD4	-2.27739	1.099681	0.038363	0.061537
ENSMUSG00000062382	FTL1-PS1	2.423105	1.170407	0.038423	0.061628
ENSMUSG00000024798	HTR7	0.723241	0.349416	0.038466	0.06169
ENSMUSG00000074874	CTLA2B	0.678813	0.327984	0.038485	0.061715
ENSMUSG00000094845	TMEM95	1.099389	0.531365	0.038547	0.061808
ENSMUSG00000037822	SMIM14	-0.23011	0.111242	0.038588	0.061869
ENSMUSG00000073889	IL11RA1	0.381644	0.18452	0.038612	0.061901
ENSMUSG00000031558	SLIT2	-0.91976	0.444806	0.03866	0.061972
ENSMUSG00000052854	NRK	-1.27528	0.617012	0.038747	0.062105
ENSMUSG00000020255	D10WSU102E	-0.17753	0.085908	0.038778	0.062149
ENSMUSG00000055692	TMEM191C	0.339208	0.164156	0.038793	0.062168
ENSMUSG00000096169	OLFR1564	-0.64081	0.310148	0.038815	0.062197
ENSMUSG00000022469	RAPGEF3	-0.28357	0.137263	0.038837	0.062226
ENSMUSG00000029455	ALDH2	-0.35693	0.172818	0.038886	0.0623
ENSMUSG00000098090	2700099C18RII	0.776736	0.376221	0.038963	0.062417
ENSMUSG00000035686	THRSP	-0.54496	0.264034	0.03902	0.062502
ENSMUSG00000029111	NELFA	0.207135	0.100368	0.039042	0.062531
ENSMUSG00000016494	CD34	-0.25713	0.124627	0.039092	0.062606
ENSMUSG00000094891	OLFR55	0.834311	0.404402	0.039106	0.062621
ENSMUSG00000056608	CHD9	0.173757	0.084247	0.039163	0.062708
ENSMUSG00000045062	PCDHB7	-0.54412	0.263869	0.039199	0.062759
ENSMUSG00000028649	MACF1	-0.18338	0.088968	0.039283	0.062887
ENSMUSG00000027223	MAPK8IP1	-0.68393	0.331836	0.039297	0.062904
ENSMUSG00000024858	GRK2	0.201789	0.097918	0.039322	0.062939
ENSMUSG00000021692	DIMT1	-0.25211	0.122359	0.039359	0.062992
ENSMUSG00000000631	MYO18A	-0.18445	0.089529	0.039376	0.063012
ENSMUSG00000030598	FBXO17	0.427676	0.207639	0.039427	0.063088
ENSMUSG00000003134	TBC1D8	-0.29036	0.14099	0.039452	0.063122
ENSMUSG00000031636	PDLIM3	0.258993	0.12578	0.039485	0.063169
ENSMUSG00000056174	COL8A2	-0.94391	0.458477	0.039514	0.06321
ENSMUSG00000038256	BCL9	-0.27203	0.132162	0.039561	0.063279
ENSMUSG00000020908	MYH3	0.822821	0.399765	0.039565	0.063279
ENSMUSG00000060568	FAM78B	-0.29948	0.145516	0.039586	0.063307
ENSMUSG00000047879	USP14	-0.17363	0.084401	0.039666	0.063429
ENSMUSG00000019518	AP4M1	-0.28645	0.139247	0.03967	0.06343
ENSMUSG00000010047	HYAL2	-0.38286	0.186152	0.039716	0.063497
ENSMUSG00000089789	RDH1	0.475315	0.231147	0.039751	0.063546
ENSMUSG00000027999	PLA2G12A	0.284825	0.138545	0.039799	0.063617
ENSMUSG00000092558	MED20	-0.38636	0.187952	0.039818	0.063641
ENSMUSG00000032897	NFYC	-0.18236	0.088729	0.039851	0.063689
ENSMUSG00000026342	SLC35F5	-0.2348	0.11426	0.039879	0.063722

ENSMUSG00000045318	ADRA2C	-0.90108	0.43848	0.039878	0.063722
ENSMUSG00000046658	ZFP316	-0.38246	0.186248	0.040022	0.063944
ENSMUSG00000032251	IRAK1BP1	-0.31203	0.151993	0.040079	0.064017
ENSMUSG00000023110	PRMT5	0.197266	0.096102	0.040104	0.064045
ENSMUSG00000037022	MMAA	-0.17582	0.085653	0.040102	0.064045
ENSMUSG00000052906	UBXN8	0.214135	0.104352	0.040165	0.064136
ENSMUSG00000032652	CREBL2	-0.31808	0.155016	0.04018	0.064155
ENSMUSG00000021171	ESYT2	-0.17405	0.084908	0.040376	0.064461
ENSMUSG00000035681	KCNC2	-0.84397	0.411785	0.040409	0.064508
ENSMUSG00000032489	KIF9	0.56002	0.273265	0.040427	0.06453
ENSMUSG00000079484	PHYHD1	-0.47219	0.230439	0.040452	0.064564
ENSMUSG00000005609	CTR9	0.243811	0.118993	0.040466	0.06458
ENSMUSG00000051978	ERICH1	-0.3185	0.155513	0.040556	0.064717
ENSMUSG00000041598	CDC42EP4	0.510109	0.249122	0.040597	0.064777
ENSMUSG00000033237	ARID2	-0.22369	0.109254	0.040615	0.064794
ENSMUSG00000041396	METTL18	0.291657	0.14245	0.040615	0.064794
ENSMUSG00000023243	KCNK5	-0.65419	0.319572	0.040649	0.064843
ENSMUSG00000020277	PFKL	-0.43154	0.210855	0.040694	0.064903
ENSMUSG00000027694	GM8325	-2.30407	1.125791	0.040695	0.064903
ENSMUSG00000000934	TOP1MT	-0.31682	0.154808	0.040706	0.064914
ENSMUSG00000103476	GM34302	1.207261	0.590175	0.040796	0.065052
ENSMUSG00000026587	ASTN1	-1.14954	0.5623	0.040918	0.06524
ENSMUSG00000031665	SALL1	-0.951	0.465225	0.040936	0.065263
ENSMUSG00000036402	GNG12	0.2003	0.097989	0.040942	0.065266
ENSMUSG00000026492	TFB2M	0.242166	0.118506	0.041004	0.065355
ENSMUSG00000053510	NRD1	0.171315	0.083835	0.041005	0.065355
ENSMUSG00000019794	KATNA1	0.22532	0.110281	0.041038	0.065402
ENSMUSG00000099471	GM8451	1.025847	0.502261	0.041106	0.065503
ENSMUSG00000070985	ACNAT1	0.854962	0.418932	0.041269	0.065758
ENSMUSG00000028861	MRPS15	0.219788	0.10774	0.041351	0.065882
ENSMUSG00000071036	GM10309	1.467154	0.719461	0.041426	0.065995
ENSMUSG00000071708	SMS	-0.17782	0.087209	0.041445	0.066018
ENSMUSG00000095865	GM13237	2.448321	1.200787	0.041457	0.066032
ENSMUSG00000074497	A430078G23RI	0.50322	0.246852	0.041495	0.066087
ENSMUSG00000036686	CC2D1A	0.201916	0.099072	0.041543	0.066156
ENSMUSG00000031910	HAS3	-0.49358	0.242186	0.041547	0.066157
ENSMUSG00000028617	LRRC42	0.344842	0.169216	0.041562	0.066174
ENSMUSG00000027284	CDAN1	-0.29874	0.146663	0.041661	0.066326
ENSMUSG00000034317	TRIM59	0.742789	0.364714	0.041687	0.066361
ENSMUSG00000018761	MPDU1	0.29475	0.144772	0.041755	0.066463
ENSMUSG00000032314	ETFA	-0.27132	0.133269	0.04176	0.066464
ENSMUSG00000036905	C1QB	0.395877	0.194474	0.041787	0.066502
ENSMUSG00000028149	RAP1GDS1	-0.17568	0.086314	0.041814	0.066538
ENSMUSG00000091507	GM17194	-1.23125	0.604985	0.041834	0.066563
ENSMUSG00000021248	TMED10	0.169735	0.083418	0.041877	0.066626
ENSMUSG00000022414	TAB1	-0.18085	0.088884	0.041882	0.066628
ENSMUSG00000053040	APH1C	0.583799	0.286942	0.041896	0.066643
ENSMUSG00000063875	RPS6-PS1	1.189313	0.584584	0.041905	0.066652
ENSMUSG00000025498	IRF7	-0.43205	0.212449	0.041986	0.066775
ENSMUSG00000049796	CRH	1.162321	0.571562	0.041993	0.066779

ENSMUSG00000020044	TIMP3	-0.36052	0.177294	0.042004	0.06679
ENSMUSG00000029686	CUL1	-0.19186	0.09439	0.042095	0.066927
ENSMUSG00000032289	THSD4	-0.79552	0.391393	0.042098	0.066927
ENSMUSG00000036989	TRIM3	-0.19311	0.095019	0.042123	0.066961
ENSMUSG00000040170	FMO2	-0.24614	0.121183	0.042244	0.067146
ENSMUSG00000027500	STMN2	-1.4592	0.718626	0.042302	0.067226
ENSMUSG00000046818	DDIT4L	-0.82245	0.40504	0.042301	0.067226
ENSMUSG00000015314	SLAMF6	0.725709	0.357437	0.042325	0.067256
ENSMUSG00000030862	CPXM2	-0.68655	0.338155	0.042329	0.067256
ENSMUSG00000017774	MYO1C	0.3108	0.153113	0.042369	0.067307
ENSMUSG00000047909	ANKRD16	0.201612	0.099322	0.042368	0.067307
ENSMUSG000000091119	CCDC152	-0.56584	0.278817	0.042415	0.067374
ENSMUSG00000020175	RAB36	-0.60518	0.298233	0.042435	0.067388
ENSMUSG00000042099	KANK3	-0.32163	0.158497	0.042434	0.067388
ENSMUSG00000049106	DCAF5	-0.16834	0.082953	0.042428	0.067388
ENSMUSG00000020107	ANAPC16	0.180567	0.089035	0.042555	0.067571
ENSMUSG00000096607	7530416G11RI	-1.19249	0.588033	0.042567	0.067585
ENSMUSG00000022956	ATP5O	0.269167	0.132747	0.042594	0.06762
ENSMUSG00000017764	ZSWIM1	0.249587	0.123117	0.042639	0.067686
ENSMUSG00000040356	SKIV2L	0.214131	0.105636	0.042656	0.067706
ENSMUSG00000057337	CHST3	0.356076	0.175675	0.042673	0.067727
ENSMUSG00000045374	WDR81	0.194561	0.096017	0.042732	0.067814
ENSMUSG00000015335	ZDHHC12	0.341157	0.168403	0.042782	0.067888
ENSMUSG00000053588	A730061H03RI	-0.58594	0.289329	0.04285	0.067989
ENSMUSG00000019917	Sep-10	0.19036	0.094001	0.042858	0.06799
ENSMUSG00000036353	P2RY12	0.385491	0.190358	0.042859	0.06799
ENSMUSG00000099083	ATF7	-0.25577	0.126316	0.042888	0.06803
ENSMUSG00000028911	SRSF4	0.200195	0.098883	0.042913	0.068063
ENSMUSG00000066613	ZFP932	0.27106	0.133908	0.042946	0.06811
ENSMUSG00000028246	FAXC	-0.74498	0.368039	0.042951	0.068111
ENSMUSG00000039740	ALG2	-0.32553	0.160914	0.043074	0.068299
ENSMUSG00000085666	GM9855	-1.5352	0.758976	0.043102	0.068337
ENSMUSG00000031561	TENM3	-0.57164	0.282689	0.043162	0.068426
ENSMUSG00000028111	CTSK	0.283111	0.140024	0.043188	0.068462
ENSMUSG00000037005	XPNPEP2	-0.58478	0.28927	0.04322	0.068506
ENSMUSG00000020928	HIGD1B	-0.58205	0.287964	0.043253	0.06855
ENSMUSG00000037126	PSD	0.391657	0.193772	0.043256	0.06855
ENSMUSG00000031749	ST3GAL2	-0.38994	0.192946	0.043282	0.068585
ENSMUSG00000042650	ALKBH5	0.245795	0.121638	0.043311	0.068624
ENSMUSG000000110860	PTPMT1	0.186723	0.092409	0.04332	0.068633
ENSMUSG00000057522	SPOP	0.168161	0.083243	0.043371	0.068707
ENSMUSG00000025200	CWF19L1	0.236825	0.11724	0.043384	0.068721
ENSMUSG00000025381	CNPY2	0.21457	0.106253	0.043444	0.068809
ENSMUSG00000061482	HIST1H4D	1.06185	0.525974	0.043505	0.0689
ENSMUSG00000027224	DUOXA1	-1.02992	0.510255	0.043545	0.068956
ENSMUSG00000022570	TSTA3	0.191016	0.094637	0.043549	0.068957
ENSMUSG00000024295	CYP4F41-PS	0.939557	0.465541	0.04357	0.068984
ENSMUSG00000040760	APPL1	0.234632	0.116301	0.043649	0.069101
ENSMUSG00000048617	RTBDN	-0.71032	0.352156	0.043689	0.069158
ENSMUSG00000021066	ATL1	-0.6389	0.316795	0.043721	0.069203

ENSMUSG00000044145	1810024B03RII	0.450802	0.223576	0.043766	0.069267
ENSMUSG0000004070	HMOX2	-0.16958	0.08411	0.043786	0.069293
ENSMUSG00000045215	ASXL3	-0.52798	0.262001	0.043886	0.069445
ENSMUSG00000021038	VIPAS39	0.288517	0.143179	0.043896	0.069447
ENSMUSG00000046768	RHOJ	0.563156	0.279468	0.043894	0.069447
ENSMUSG00000024620	PDGFRB	0.167649	0.083233	0.043989	0.069588
ENSMUSG00000006313	UPK1A	0.477486	0.237214	0.044126	0.069799
ENSMUSG00000037580	GCH1	0.408877	0.203138	0.044135	0.069806
ENSMUSG00000074457	S100A16	0.22469	0.111653	0.044177	0.069867
ENSMUSG00000040187	ARNTL2	-0.26533	0.131853	0.044185	0.069872
ENSMUSG00000110761	GM29761	1.098039	0.545896	0.044279	0.070014
ENSMUSG00000056498	TMEM154	0.41882	0.208263	0.044323	0.070078
ENSMUSG00000055725	PAQR3	-0.36602	0.18212	0.044455	0.07028
ENSMUSG00000020911	KRT19	0.984362	0.48993	0.044517	0.070371
ENSMUSG00000050896	RTN4RL2	0.597816	0.2976	0.04456	0.070432
ENSMUSG00000030054	GP9	1.022721	0.509188	0.044587	0.070468
ENSMUSG00000041426	HIBCH	-0.17622	0.087745	0.044609	0.070497
ENSMUSG00000030218	MGP	0.206106	0.102709	0.044781	0.070749
ENSMUSG00000031453	RASA3	0.281419	0.140252	0.0448	0.070773
ENSMUSG00000039748	EXO1	1.200213	0.59822	0.044823	0.070803
ENSMUSG00000060487	SAMD5	-0.49007	0.244378	0.044925	0.070956
ENSMUSG00000096740	LBHD1	0.613468	0.305931	0.044936	0.070968
ENSMUSG00000020455	TRIM11	-0.28633	0.142817	0.044978	0.071021
ENSMUSG00000031826	USP10	0.319665	0.159445	0.044978	0.071021
ENSMUSG00000062444	AP3B2	0.842144	0.420099	0.045003	0.071041
ENSMUSG00000083856	GM13886	-1.3695	0.683413	0.04508	0.071155
ENSMUSG00000098488	PLA2G4B	-0.56106	0.279992	0.045088	0.071161
ENSMUSG00000029314	GPAT3	-0.27946	0.139478	0.045113	0.071194
ENSMUSG00000025001	HELLS	0.811167	0.40492	0.045147	0.071242
ENSMUSG00000057464	OLFR1415	0.997589	0.498061	0.045183	0.071291
ENSMUSG00000024908	PPP6R3	0.165936	0.082859	0.045217	0.071337
ENSMUSG00000022371	COL14A1	-0.74366	0.371417	0.04526	0.0714
ENSMUSG00000027533	FABP5	0.422245	0.210911	0.045284	0.071431
ENSMUSG00000040372	GPR63	-0.83933	0.419269	0.045297	0.071444
ENSMUSG00000052336	CX3CR1	0.5929	0.296178	0.045302	0.071446
ENSMUSG00000052821	CYSLTR1	0.711423	0.35542	0.045324	0.071473
ENSMUSG00000020867	SPATA20	-0.80617	0.402875	0.045386	0.071565
ENSMUSG00000026542	APCS	0.839996	0.419789	0.045393	0.071569
ENSMUSG00000070390	NLRP1B	0.881916	0.440816	0.045431	0.071622
ENSMUSG00000032580	RBM5	-0.1841	0.092023	0.04544	0.071629
ENSMUSG00000020868	XYLT2	-0.38612	0.193118	0.045563	0.071818
ENSMUSG00000040028	ELAVL1	0.168801	0.084429	0.045573	0.071827
ENSMUSG00000078867	GM14418	-0.45619	0.228205	0.045605	0.07187
ENSMUSG00000050967	CREG2	0.718747	0.359588	0.045629	0.071902
ENSMUSG00000024430	CABYR	1.085008	0.543042	0.045714	0.072029
ENSMUSG00000032355	MLIP	0.264311	0.132326	0.04578	0.072126
ENSMUSG00000003344	BTBD2	-0.30944	0.154931	0.045794	0.072141
ENSMUSG00000029468	P2RX7	0.550616	0.275753	0.04585	0.072223
ENSMUSG00000022523	FGF12	-0.77336	0.387421	0.045916	0.07232
ENSMUSG00000078491	GM13090	-0.87707	0.439506	0.045979	0.072412

ENSMUSG00000018820	ZFYVE27	0.215983	0.108255	0.046029	0.072485
ENSMUSG00000031221	IGBP1	0.166255	0.083345	0.046067	0.072537
ENSMUSG00000090691	GM3667	0.670004	0.335968	0.046125	0.072622
ENSMUSG00000092074	DYNLT1A	0.839776	0.421164	0.046159	0.072668
ENSMUSG00000026923	NOTCH1	-0.41392	0.207686	0.046261	0.072823
ENSMUSG00000023882	ZFP54	-0.47739	0.239613	0.046332	0.072928
ENSMUSG00000080773	GM12955	1.108539	0.556424	0.046343	0.072938
ENSMUSG00000090486	BC035947	-0.29734	0.149261	0.046364	0.072964
ENSMUSG00000061330	GM6436	4.032882	2.024804	0.0464	0.073014
ENSMUSG00000037885	STK35	0.435927	0.218875	0.046407	0.073019
ENSMUSG00000040455	USP45	-0.28627	0.143747	0.046431	0.07305
ENSMUSG00000041560	NOP53	0.299808	0.150611	0.046523	0.073188
ENSMUSG00000044783	HJURP	-0.76293	0.383299	0.046543	0.073212
ENSMUSG00000031360	CTPS2	0.271882	0.13672	0.046744	0.073522
ENSMUSG00000015224	CYP2J9	-0.92319	0.464275	0.046762	0.073543
ENSMUSG00000031304	IL2RG	0.540057	0.271624	0.046784	0.07357
ENSMUSG00000037996	SLC24A2	0.550721	0.277012	0.046803	0.073595
ENSMUSG00000021388	ASPN	-0.96955	0.48773	0.046825	0.073622
ENSMUSG00000061068	MCPT4	-1.47293	0.741388	0.046953	0.073817
ENSMUSG00000035109	SHC4	0.432829	0.217953	0.047046	0.073956
ENSMUSG000000110510	GM45908	-0.9463	0.476586	0.047081	0.074003
ENSMUSG00000004655	AQP1	-0.40318	0.203085	0.047111	0.074044
ENSMUSG00000038670	MYBPC2	0.354325	0.178484	0.047123	0.074057
ENSMUSG00000033852	GM28042	-0.34276	0.172703	0.04718	0.074131
ENSMUSG00000059939	9430015G10RI	-0.37003	0.18644	0.047177	0.074131
ENSMUSG00000038745	NLRP6	-0.67391	0.339625	0.047224	0.074194
ENSMUSG00000028750	PLA2G2C	-0.61941	0.312247	0.047286	0.074285
ENSMUSG00000045092	S1PR1	0.342771	0.172802	0.0473	0.0743
ENSMUSG00000067148	POLR1C	0.216793	0.109305	0.047325	0.074332
ENSMUSG00000020723	CACNG4	0.868753	0.438044	0.047339	0.074347
ENSMUSG00000074211	SDHAF1	0.179703	0.090616	0.047353	0.074363
ENSMUSG00000022940	PIGP	-0.18449	0.093056	0.04742	0.074461
ENSMUSG00000042677	ZC3H12A	0.348245	0.175665	0.04743	0.07447
ENSMUSG00000045252	ZFP574	-0.23159	0.116833	0.04745	0.074494
ENSMUSG00000061778	MOSPD2	-0.22059	0.111347	0.047577	0.074686
ENSMUSG00000022668	GTPBP8	0.261375	0.131939	0.047588	0.074697
ENSMUSG00000031355	ARHGAP6	-0.3875	0.195669	0.04766	0.074803
ENSMUSG00000060675	PLA2G16	-0.16541	0.08356	0.047755	0.074946
ENSMUSG00000030124	LAG3	0.559596	0.2827	0.047763	0.074951
ENSMUSG00000024049	MYOM1	-0.19767	0.099868	0.047776	0.074964
ENSMUSG00000081234	OLFR1120	-0.48066	0.243022	0.047947	0.075219
ENSMUSG00000081512	GM15821	-0.68193	0.344783	0.047946	0.075219
ENSMUSG00000020682	MMP28	-1.18382	0.59859	0.047965	0.075239
ENSMUSG00000020676	CCL11	1.535945	0.776954	0.048055	0.075375
ENSMUSG00000026883	DAB2IP	-0.16565	0.08386	0.048233	0.075647
ENSMUSG00000040410	FBXL4	-0.25065	0.126896	0.048243	0.075655
ENSMUSG00000032400	ZWILCH	0.887343	0.449283	0.048266	0.075684
ENSMUSG00000027569	MRGBP	-0.24352	0.123309	0.048286	0.075709
ENSMUSG00000053310	NRGN	0.342435	0.173439	0.048338	0.075784
ENSMUSG00000021666	GFM2	0.163166	0.082659	0.048385	0.07585

ENSMUSG00000044881	COA4	0.206267	0.10453	0.048464	0.075967
ENSMUSG00000025578	CBX8	-1.0256	0.519828	0.048499	0.076015
ENSMUSG00000075040	ZFP408	0.34004	0.172374	0.048531	0.076058
ENSMUSG00000038013	WIPF2	0.275371	0.139595	0.048536	0.076058
ENSMUSG00000006611	HFE	-0.40548	0.205573	0.048561	0.07609
ENSMUSG00000021098	4930447C04RII	0.850859	0.431411	0.048579	0.076112
ENSMUSG00000056148	RDH9	0.512286	0.259753	0.048587	0.076117
ENSMUSG00000025422	AGAP2	-0.33202	0.168383	0.048632	0.07618
ENSMUSG00000029534	ST7	0.394041	0.199895	0.048697	0.076275
ENSMUSG00000110237	GM18258	-0.71097	0.360706	0.048717	0.0763
ENSMUSG00000025959	KLF7	0.32912	0.166988	0.048733	0.076318
ENSMUSG00000044080	S100A1	0.206028	0.104545	0.048757	0.076349
ENSMUSG00000033365	IPO13	-0.2486	0.126156	0.048776	0.07637
ENSMUSG00000035270	IMPG2	1.069339	0.542722	0.048801	0.076403
ENSMUSG00000054568	USP17LA	-0.50189	0.254755	0.048828	0.076439
ENSMUSG00000102440	PCDHGA9	-0.9277	0.471031	0.048894	0.076535
ENSMUSG00000043496	TRIL	-1.10678	0.562295	0.049031	0.076742
ENSMUSG00000025261	HUWE1	-0.19224	0.097671	0.049047	0.076759
ENSMUSG00000032839	TRPC1	-0.24839	0.126255	0.049136	0.076893
ENSMUSG00000078813	LENG1	0.179496	0.091245	0.049162	0.076925
ENSMUSG00000033313	FBXL8	-0.33544	0.1706	0.049271	0.07709
ENSMUSG00000031808	SLC27A1	-0.38685	0.196754	0.049277	0.077091
ENSMUSG00000045757	ZFP764	-0.29938	0.152295	0.04932	0.077151
ENSMUSG00000024542	CEP192	-0.40073	0.203869	0.049339	0.077162
ENSMUSG00000083849	GM13477	1.010817	0.514243	0.04934	0.077162
ENSMUSG00000097906	GM9625	0.513081	0.261024	0.04934	0.077162
ENSMUSG00000089682	BCL2L2	-0.16582	0.084371	0.049368	0.077198
ENSMUSG00000039450	DCXR	0.429738	0.218659	0.049375	0.077202
ENSMUSG00000035266	HELQ	0.345996	0.176077	0.049412	0.077252
ENSMUSG00000097061	9330151L19RIH	0.286249	0.145688	0.049436	0.077283
ENSMUSG00000024241	SOS1	-0.22813	0.116114	0.049445	0.07729
ENSMUSG00000081984	DNAJB3	0.746177	0.379833	0.049473	0.077327
ENSMUSG00000001016	ILF2	-0.23326	0.118748	0.049497	0.077358
ENSMUSG00000060019	GM10073	1.111127	0.565727	0.049522	0.077389
ENSMUSG00000034263	INTS14	0.175785	0.089507	0.049538	0.0774
ENSMUSG00000041180	HECTD2	0.25011	0.127349	0.049534	0.0774
ENSMUSG00000051177	PLCB1	-0.32715	0.166613	0.049583	0.077463
ENSMUSG00000041907	GPR45	0.933037	0.475233	0.049609	0.077496
ENSMUSG00000022641	BBX	-0.2129	0.108461	0.049659	0.077567
ENSMUSG00000022415	SYNGR1	0.168827	0.086039	0.049738	0.077684
ENSMUSG00000040280	NDUFA4L2	-0.38694	0.197209	0.049754	0.077701
ENSMUSG00000037257	AAGAB	-0.283	0.144239	0.049758	0.077701
ENSMUSG00000055900	TMEM69	-0.19191	0.097828	0.049791	0.077746
ENSMUSG00000027322	SIGLEC1	-0.77246	0.393832	0.049833	0.077804
ENSMUSG00000041025	IFFO2	0.269791	0.137558	0.049845	0.077809
ENSMUSG00000108265	OLFR318	-0.56974	0.290489	0.049843	0.077809
ENSMUSG00000024683	MRPL16	0.250801	0.127888	0.049867	0.077836
ENSMUSG00000107573	OLFR1389	1.96704	1.003109	0.049886	0.077857
ENSMUSG00000020898	CTC1	0.259509	0.132363	0.049928	0.077916
ENSMUSG00000024538	PPIC	-0.31058	0.158419	0.049939	0.077926

ENSMUSG00000066068	GM13611	1.227762	0.62627	0.049945	0.077928
ENSMUSG00000048550	THNSL1	-0.2549	0.130089	0.050063	0.078098
ENSMUSG00000049562	AP5B1	0.422835	0.215794	0.050062	0.078098
ENSMUSG00000081269	GM14659	0.890802	0.454873	0.050189	0.078287
ENSMUSG00000079177	FAM228A	-1.4813	0.756474	0.050211	0.078315
ENSMUSG00000020740	GGA3	0.232443	0.118731	0.050262	0.078386
ENSMUSG00000066880	ZFP617	0.341293	0.174334	0.050266	0.078386
ENSMUSG00000038500	PRR3	0.330295	0.168826	0.050415	0.078612
ENSMUSG00000085793	LIN52	-0.47547	0.243037	0.050421	0.078614
ENSMUSG00000067924	RTL8B	-0.24461	0.125036	0.050427	0.078615
ENSMUSG00000027456	SDCBP2	0.567453	0.290103	0.050461	0.078655
ENSMUSG00000049488	TMEM67	-0.40456	0.206826	0.050462	0.078655
ENSMUSG00000034647	ANKRD12	0.251104	0.128417	0.050538	0.078766
ENSMUSG00000024735	PRPF19	-0.16074	0.082223	0.050591	0.078843
ENSMUSG00000086965	RTL10	-0.55278	0.282866	0.050674	0.078965
ENSMUSG00000063931	PEPD	0.227648	0.116496	0.050686	0.078975
ENSMUSG00000026792	LRSAM1	-0.28373	0.145241	0.050755	0.079076
ENSMUSG00000005716	PVALB	1.02459	0.525001	0.050986	0.079429
ENSMUSG00000020974	POLE2	0.503222	0.257923	0.05105	0.079521
ENSMUSG00000035621	MIDN	0.188487	0.096684	0.051233	0.079798
ENSMUSG00000081738	HMGB1-PS2	1.308461	0.671536	0.05136	0.079989
ENSMUSG00000015002	EFR3A	0.225669	0.115851	0.051424	0.080082
ENSMUSG00000053552	EBF4	-0.52283	0.26855	0.05155	0.080271
ENSMUSG00000026867	GAPVD1	-0.17494	0.089858	0.051558	0.080276
ENSMUSG00000038173	ENPP6	-0.86834	0.446067	0.051575	0.080295
ENSMUSG00000036144	MEOX2	-0.41823	0.214905	0.051639	0.08038
ENSMUSG00000057134	ADO	-0.17204	0.0884	0.051638	0.08038
ENSMUSG00000042476	ABCB4	0.171753	0.088257	0.051647	0.080385
ENSMUSG00000031539	AP3M2	-0.45368	0.23313	0.051652	0.080385
ENSMUSG00000021420	FARS2	-0.26965	0.138586	0.051686	0.08043
ENSMUSG00000032080	APOA4	-1.02729	0.528016	0.051707	0.080455
ENSMUSG00000043644	0610009L18RIH	0.260876	0.134093	0.051716	0.080463
ENSMUSG00000000673	HAAO	0.715694	0.367893	0.051728	0.080474
ENSMUSG00000049532	SALL2	-0.35584	0.182919	0.051736	0.080479
ENSMUSG00000032578	CISH	-0.51304	0.263752	0.051757	0.080505
ENSMUSG00000061759	ARMT1	-0.2648	0.136135	0.051762	0.080505
ENSMUSG00000083705	GM8624	0.968171	0.497763	0.05177	0.080509
ENSMUSG00000027522	STX16	-0.22334	0.114859	0.051844	0.080617
ENSMUSG00000009291	PTTG1IP	0.24631	0.126687	0.051867	0.080645
ENSMUSG00000038909	KAT7	0.172449	0.088768	0.052055	0.08093
ENSMUSG00000025736	JMJD8	0.321263	0.165417	0.05212	0.081024
ENSMUSG00000070544	TOP1	-0.199	0.102477	0.052145	0.081056
ENSMUSG00000026556	VANGL2	-0.58985	0.303758	0.052156	0.081065
ENSMUSG00000099835	GM29668	0.391139	0.201432	0.052163	0.081068
ENSMUSG00000034456	UROC1	-1.67669	0.863514	0.052172	0.081076
ENSMUSG00000028016	INTS12	0.212176	0.109301	0.052233	0.081162
ENSMUSG00000066838	ZFP772	0.266003	0.137034	0.05224	0.081166
ENSMUSG00000078317	F8A	0.371432	0.191403	0.052309	0.081266
ENSMUSG00000037379	SPON2	-0.53972	0.278139	0.052324	0.081282
ENSMUSG00000036412	ARSI	0.480567	0.247671	0.052338	0.081296

ENSMUSG00000059970	HSPA2	0.240059	0.123756	0.052406	0.081394
ENSMUSG00000070564	NTN5	0.849131	0.438022	0.052555	0.081619
ENSMUSG00000037997	PARP11	-0.29673	0.153078	0.052575	0.081642
ENSMUSG00000019854	REPS1	0.175485	0.090545	0.05261	0.081689
ENSMUSG00000030022	ADAMTS9	0.817944	0.422319	0.052771	0.081931
ENSMUSG00000014773	DLL1	-0.44288	0.2287	0.052808	0.081981
ENSMUSG00000034390	CMIP	0.241733	0.124865	0.052874	0.082075
ENSMUSG00000010911	APIP	0.282701	0.146052	0.052914	0.082131
ENSMUSG00000040632	NRL	1.153736	0.59626	0.052996	0.08225
ENSMUSG000000103600	GM17952	-0.95695	0.494639	0.053033	0.082301
ENSMUSG00000031906	SMPD3	0.40024	0.206893	0.053049	0.082308
ENSMUSG00000044328	TRP53I13	0.251296	0.129902	0.053051	0.082308
ENSMUSG00000056682	4930465K10RII	0.866624	0.447985	0.053053	0.082308
ENSMUSG00000044807	ZFP354C	-0.82716	0.427611	0.053068	0.082325
ENSMUSG00000031533	MRPS31	0.176047	0.091035	0.053132	0.082416
ENSMUSG00000055497	GM9974	1.070976	0.553849	0.05315	0.082437
ENSMUSG00000030235	SLCO1C1	0.696548	0.360249	0.053172	0.082463
ENSMUSG00000048096	LMOD1	-0.80082	0.414219	0.053197	0.082495
ENSMUSG00000019467	ARHGEF25	-0.49439	0.255771	0.053243	0.08255
ENSMUSG00000024483	ANKHD1	-0.19174	0.099196	0.053239	0.08255
ENSMUSG00000048402	GLI2	-0.78965	0.408553	0.053261	0.082571
ENSMUSG00000044626	LIPH	1.18083	0.611145	0.05334	0.082686
ENSMUSG00000006235	EPOR	-0.49034	0.253794	0.053356	0.082704
ENSMUSG00000032978	GUCA2B	1.132899	0.586537	0.053421	0.082796
ENSMUSG00000025427	RNF165	-0.82601	0.427672	0.053431	0.082805
ENSMUSG00000041632	MRPS27	-0.1606	0.083156	0.053441	0.082813
ENSMUSG00000068267	CENPB	0.163163	0.084496	0.05348	0.082865
ENSMUSG00000021501	CAML	0.227559	0.117851	0.053494	0.08288
ENSMUSG00000083474	GM15267	1.005186	0.520616	0.053512	0.0829
ENSMUSG00000000627	SEMA4F	0.821074	0.42529	0.05353	0.08292
ENSMUSG00000026623	LPGAT1	-0.28455	0.1474	0.053549	0.082942
ENSMUSG00000001173	OCRL	0.19237	0.099657	0.053568	0.082963
ENSMUSG00000021096	PPM1A	-0.16003	0.082924	0.053625	0.083045
ENSMUSG00000042351	GRAP2	0.758968	0.393326	0.053655	0.083083
ENSMUSG00000025141	MYADML2	0.190772	0.098869	0.053664	0.08309
ENSMUSG00000045467	TTLL13	0.720169	0.373278	0.053692	0.083126
ENSMUSG00000025888	CASP1	0.527075	0.273203	0.053701	0.083132
ENSMUSG00000021235	COQ6	0.163253	0.084644	0.053768	0.083228
ENSMUSG00000036270	EDC4	-0.19421	0.100737	0.053865	0.08337
ENSMUSG00000026307	SCLY	0.268333	0.1393	0.054067	0.083668
ENSMUSG00000064368	MT-ND6	0.25543	0.1326	0.054064	0.083668
ENSMUSG00000090129	OLFR287	1.120404	0.581757	0.054117	0.083738
ENSMUSG00000033794	LPCAT2B	0.871862	0.452721	0.054126	0.083744
ENSMUSG00000069920	B3GNT9	-0.35597	0.184861	0.054155	0.083782
ENSMUSG00000046388	GM9806	-0.88935	0.461928	0.054193	0.083833
ENSMUSG00000064294	AOX3	-0.96981	0.503926	0.05429	0.083975
ENSMUSG00000004837	GRAP	0.28058	0.1458	0.054302	0.083985
ENSMUSG00000027185	NAT10	0.305839	0.158946	0.054334	0.084027
ENSMUSG00000078872	GM14401	-0.86183	0.447968	0.05437	0.084076
ENSMUSG00000061436	HIPK2	-0.32966	0.171363	0.054387	0.084093

ENSMUSG00000003809	GCDH	-0.33021	0.1717	0.054456	0.084193
ENSMUSG00000016758	BIK	0.236243	0.122857	0.054492	0.084233
ENSMUSG000000046269	USP27X	0.456396	0.237346	0.054491	0.084233
ENSMUSG00000007837	PRRG2	0.258042	0.134199	0.054502	0.084241
ENSMUSG000000044337	ACKR3	-0.58639	0.305075	0.054591	0.08437
ENSMUSG000000031015	SWAP70	0.192812	0.100352	0.054686	0.08451
ENSMUSG000000091191	GM17334	-0.88165	0.458884	0.054695	0.084517
ENSMUSG000000041849	CARD6	-0.37785	0.196689	0.054727	0.084558
ENSMUSG000000026563	TADA1	-0.24491	0.127492	0.054734	0.084561
ENSMUSG000000025776	CRISPLD1	-0.64923	0.337981	0.054743	0.084568
ENSMUSG000000043872	ZMYM1	0.261699	0.136244	0.054756	0.084581
ENSMUSG000000090728	GM17420	0.581782	0.302899	0.054768	0.084591
ENSMUSG000000097245	GM5421	0.861848	0.448728	0.054776	0.084596
ENSMUSG000000068417	PNP2	0.547219	0.284925	0.054786	0.084603
ENSMUSG000000061950	PPP4R1	0.196246	0.102202	0.054837	0.084674
ENSMUSG000000046591	TICRR	-0.85924	0.447525	0.05486	0.084694
ENSMUSG000000051225	FAM83A	1.092803	0.569166	0.054857	0.084694
ENSMUSG000000058600	RPL30	0.6874	0.358126	0.054929	0.084794
ENSMUSG000000080783	GM8250	0.842149	0.438801	0.054958	0.084831
ENSMUSG000000051224	TCEANC	0.363566	0.189447	0.054973	0.084846
ENSMUSG000000040423	RC3H1	0.385862	0.201072	0.054981	0.084851
ENSMUSG000000049643	2310022A10RI	0.164333	0.085661	0.055058	0.084962
ENSMUSG000000029162	KHK	0.501894	0.261639	0.055077	0.084983
ENSMUSG000000074811	HPS6	-0.33851	0.17647	0.055082	0.084983
ENSMUSG000000037640	ZFP60	0.267469	0.13946	0.055126	0.085042
ENSMUSG000000035783	ACTA2	-0.61823	0.322495	0.055235	0.085204
ENSMUSG000000019888	MGAT4C	0.860431	0.448883	0.05526	0.085234
ENSMUSG000000027882	STXBP3	0.211763	0.110483	0.055276	0.085252
ENSMUSG000000018387	SHROOM1	-0.62156	0.324299	0.055287	0.085261
ENSMUSG000000025128	BHLHE22	0.766356	0.399926	0.055334	0.085325
ENSMUSG000000038007	ACER2	0.16938	0.088427	0.055433	0.085469
ENSMUSG000000083396	GM15542	1.370153	0.715636	0.055544	0.085618
ENSMUSG000000054580	PLA2R1	-0.46688	0.24387	0.05556	0.085635
ENSMUSG000000004056	AKT2	0.228742	0.11955	0.055703	0.085847
ENSMUSG000000072621	SLFN10-PS	0.571115	0.298502	0.055714	0.085856
ENSMUSG000000020184	MDM2	0.169544	0.088619	0.055724	0.085857
ENSMUSG000000030560	CTSC	0.375295	0.19616	0.055721	0.085857
ENSMUSG000000025040	FUNDC1	-0.23392	0.1223	0.05579	0.08595
ENSMUSG000000049922	SLC35C1	-0.25216	0.131848	0.055815	0.085981
ENSMUSG000000032409	ATR	0.225069	0.117688	0.055822	0.085984
ENSMUSG000000091183	GM5141	-0.60635	0.317109	0.055861	0.086036
ENSMUSG000000070695	CNTNAP5A	-1.16029	0.606849	0.055877	0.086052
ENSMUSG000000032336	NPTN	-0.16486	0.086229	0.055885	0.086058
ENSMUSG000000025024	SMNDC1	0.231341	0.121006	0.0559	0.086072
ENSMUSG000000025409	MBD6	0.22011	0.115154	0.055947	0.086138
ENSMUSG000000022658	TAGLN3	-0.52031	0.27225	0.055985	0.086189
ENSMUSG000000016283	H2-M2	-1.16793	0.611163	0.056005	0.086211
ENSMUSG000000044646	ZBTB7C	-0.37632	0.197127	0.05626	0.086595
ENSMUSG000000022514	IL1RAP	0.44551	0.233414	0.056305	0.086657
ENSMUSG000000034908	SIDT2	-0.18103	0.094866	0.05635	0.086719

ENSMUSG00000026965	ANAPC2	0.178704	0.09365	0.056363	0.08673
ENSMUSG00000003411	RAB3B	0.629118	0.329721	0.056387	0.08676
ENSMUSG000000108249	GM43960	-0.4069	0.213281	0.056418	0.0868
ENSMUSG000000037971	1110032A03RII	0.322083	0.168875	0.056491	0.086904
ENSMUSG000000063611	GM10134	0.734881	0.385381	0.056534	0.086963
ENSMUSG000000043733	PTPN11	0.165746	0.086928	0.05656	0.086994
ENSMUSG000000038702	DSEL	-0.35117	0.184182	0.056567	0.086997
ENSMUSG000000033450	TAGAP	0.275003	0.144261	0.056614	0.087061
ENSMUSG000000084381	AA413626	1.0662	0.559498	0.056697	0.087166
ENSMUSG000000038057	DBIL5	0.703623	0.369284	0.056732	0.087211
ENSMUSG000000017897	EYA2	-0.72131	0.378639	0.056778	0.087274
ENSMUSG000000048388	FAM171B	-0.98856	0.519005	0.056816	0.087324
ENSMUSG000000025231	SUFU	0.250691	0.131653	0.056886	0.087425
ENSMUSG000000028158	MTTP	0.535606	0.281292	0.056898	0.087435
ENSMUSG000000050628	UBALD2	-0.19239	0.101049	0.056914	0.087452
ENSMUSG000000067235	H2-Q10	0.936497	0.492141	0.057053	0.087658
ENSMUSG000000073179	GM10478	0.91939	0.483283	0.057121	0.087754
ENSMUSG000000062184	HS6ST2	0.571382	0.300397	0.05716	0.087806
ENSMUSG000000028788	PTP4A2	-0.15904	0.083635	0.057225	0.087899
ENSMUSG000000075502	KBTBD6	0.737979	0.388243	0.057326	0.088045
ENSMUSG000000018548	TRIM37	-0.26046	0.13703	0.057333	0.088048
ENSMUSG000000076430	HUS1B	1.096135	0.57699	0.057466	0.088245
ENSMUSG000000038067	CSF3	2.218355	1.16801	0.05753	0.088335
ENSMUSG000000045102	POLN	-0.35704	0.188052	0.057614	0.088455
ENSMUSG000000016984	ETAA1	-0.32511	0.171262	0.057655	0.08851
ENSMUSG000000018765	FXR2	0.233168	0.12284	0.057676	0.088535
ENSMUSG000000059713	RCAN3	-0.3576	0.188461	0.057765	0.088663
ENSMUSG000000026103	GLS	-0.17651	0.093028	0.05778	0.088678
ENSMUSG000000004931	APBA3	-0.21952	0.115733	0.057861	0.088794
ENSMUSG000000067878	MAP7D3	0.550266	0.290228	0.057963	0.088942
ENSMUSG000000102748	PCDHGB2	-0.32005	0.16881	0.057969	0.088945
ENSMUSG000000033533	ACSM1	-1.77825	0.938027	0.057995	0.088975
ENSMUSG000000033845	MRPL15	0.496509	0.261947	0.058032	0.089016
ENSMUSG000000038486	SV2A	-0.48468	0.255704	0.058027	0.089016
ENSMUSG000000047959	KCNA3	1.561026	0.823658	0.058061	0.089053
ENSMUSG000000092060	BEND4	0.330821	0.174637	0.058181	0.089229
ENSMUSG000000029710	EPHB4	-0.24116	0.127362	0.058296	0.089398
ENSMUSG000000028763	HSPG2	0.224359	0.118511	0.058337	0.089452
ENSMUSG000000022678	NDE1	-0.17106	0.090358	0.058344	0.089455
ENSMUSG000000030930	CHST15	-0.23726	0.125347	0.058383	0.089506
ENSMUSG000000025192	ENTPD7	0.447899	0.236665	0.058419	0.089554
ENSMUSG000000022261	SDC2	-0.67172	0.355014	0.05848	0.089639
ENSMUSG000000061455	STX17	-0.20084	0.106163	0.058516	0.089687
ENSMUSG000000079614	SEH1L	0.173107	0.091535	0.058603	0.089811
ENSMUSG000000096553	GM10097	0.644767	0.340946	0.05861	0.089813
ENSMUSG000000025723	NMB	-0.38763	0.204979	0.058618	0.089818
ENSMUSG000000050538	B230217C12RII	0.560676	0.296586	0.0587	0.089936
ENSMUSG000000058420	SYT17	-1.37519	0.72748	0.058711	0.089945
ENSMUSG000000030214	PLBD1	-0.1618	0.085608	0.058751	0.08999
ENSMUSG000000038010	CCDC138	0.399758	0.211503	0.058747	0.08999

ENSMUSG00000024109	NRXN1	-0.959	0.507499	0.058804	0.090062
ENSMUSG00000032589	BSN	0.674105	0.356793	0.058846	0.090119
ENSMUSG00000008348	UBC	0.210291	0.111308	0.058856	0.090125
ENSMUSG00000043207	ZMPSTE24	-0.22809	0.120763	0.058931	0.090229
ENSMUSG00000091831	GM4707	-0.70316	0.372304	0.058934	0.090229
ENSMUSG00000031628	CASP3	0.363412	0.192425	0.058947	0.090241
ENSMUSG00000038700	HOXB5	-0.89533	0.474146	0.058985	0.090291
ENSMUSG00000024026	GLO1	0.176417	0.093434	0.059005	0.090314
ENSMUSG00000016664	PACSIN2	-0.16065	0.085099	0.059048	0.090371
ENSMUSG00000091512	LAMTOR3	-0.16281	0.086253	0.059083	0.090417
ENSMUSG00000004500	ZFP324	-0.43697	0.231555	0.059143	0.090501
ENSMUSG00000038705	GMEB2	0.264507	0.140172	0.059158	0.090516
ENSMUSG00000025489	IFITM5	0.489402	0.259427	0.059231	0.090619
ENSMUSG00000024974	SMC3	-0.23373	0.123963	0.059365	0.090811
ENSMUSG00000032743	D430042O09RI	-0.20088	0.106543	0.059367	0.090811
ENSMUSG00000031284	PAK3	1.288288	0.68337	0.059403	0.090857
ENSMUSG00000055748	GSDMC4	1.056861	0.560632	0.059413	0.090864
ENSMUSG00000025217	BTRC	-0.16939	0.089878	0.059481	0.09096
ENSMUSG00000014791	ELMO3	0.251847	0.133671	0.059554	0.091063
ENSMUSG00000056215	LRGUK	1.054457	0.559833	0.05963	0.091171
ENSMUSG00000086596	SUSD5	-1.44624	0.768053	0.059701	0.091272
ENSMUSG00000029504	DDX51	0.313701	0.166618	0.059733	0.091313
ENSMUSG00000048170	MCMBP	0.224371	0.119225	0.059847	0.091479
ENSMUSG00000059901	ADAMTS14	-0.34831	0.1851	0.059872	0.091508
ENSMUSG00000035093	SECISBP2L	0.262051	0.139291	0.059929	0.091587
ENSMUSG00000032754	SLC8B1	0.224635	0.119465	0.060061	0.09178
ENSMUSG00000022614	LMF2	-0.16213	0.086247	0.060132	0.091881
ENSMUSG00000020231	DIP2A	-0.23693	0.126068	0.060195	0.091968
ENSMUSG00000026669	MCM10	0.887303	0.472138	0.0602	0.091968
ENSMUSG00000037608	BCLAF1	-0.16067	0.085506	0.06023	0.092006
ENSMUSG00000032782	CNTROB	-0.39513	0.210306	0.060266	0.092044
ENSMUSG00000043998	MGAT2	0.169624	0.09028	0.060263	0.092044
ENSMUSG00000020354	SGCD	-0.31269	0.166438	0.060284	0.092064
ENSMUSG00000029253	CENPC1	-0.25094	0.1336	0.060344	0.092142
ENSMUSG00000082305	GM2420	0.850741	0.452942	0.060346	0.092142
ENSMUSG00000066149	CDC26	0.162163	0.086351	0.060389	0.092199
ENSMUSG00000019779	FRK	-0.65232	0.347375	0.060402	0.092211
ENSMUSG00000025813	HOMER2	-0.24325	0.129543	0.06042	0.09223
ENSMUSG00000070720	TMEM200B	-0.28323	0.150929	0.060572	0.092454
ENSMUSG00000032349	ELOVL5	-0.23599	0.125772	0.060605	0.092495
ENSMUSG00000062760	SHISAL1	-0.73158	0.389923	0.060627	0.09252
ENSMUSG00000071303	RPS8-PS1	0.954186	0.50863	0.060656	0.092557
ENSMUSG00000050471	FAM118B	-0.21669	0.115512	0.060668	0.092566
ENSMUSG00000021936	MAPK8	-0.17982	0.095893	0.060765	0.092707
ENSMUSG00000020954	STRN3	0.155815	0.08311	0.06082	0.092782
ENSMUSG00000074627	MROH8	0.878372	0.468618	0.060877	0.092861
ENSMUSG00000045441	GPRIN3	0.812899	0.433757	0.060918	0.092915
ENSMUSG00000034958	ATCAY	-0.7089	0.378531	0.061099	0.093183
ENSMUSG00000091358	SPEER5-PS1	-0.59869	0.319743	0.061151	0.093254
ENSMUSG00000051166	EML5	0.279525	0.14933	0.061226	0.09336

ENSMUSG00000024248	COX7A2L	0.299649	0.160157	0.061349	0.093539
ENSMUSG00000037896	RCOR1	-0.17461	0.093376	0.061485	0.093738
ENSMUSG00000000693	LOXL3	0.835984	0.447334	0.061648	0.093978
ENSMUSG000000052117	D630039A03RI	-0.79645	0.426207	0.061665	0.093992
ENSMUSG000000106529	GM18451	0.68869	0.368545	0.061669	0.093992
ENSMUSG000000006724	CYP27B1	0.943902	0.505156	0.061688	0.094013
ENSMUSG000000111611	OLFR157	-1.19802	0.641266	0.061734	0.094074
ENSMUSG000000078789	DPH1	0.247345	0.132416	0.061771	0.094123
ENSMUSG000000083716	GM13436	1.056622	0.565731	0.061802	0.094162
ENSMUSG00000004032	GSTM5	0.279742	0.149815	0.061866	0.094251
ENSMUSG000000098915	RPL15-PS2	0.410815	0.220115	0.06199	0.094431
ENSMUSG000000061578	KSR2	-1.06886	0.572712	0.061997	0.094433
ENSMUSG000000031168	EBP	0.224883	0.120516	0.06204	0.094491
ENSMUSG000000052726	KCNT2	-0.4129	0.221397	0.062183	0.094699
ENSMUSG000000020783	NCBP3	0.199507	0.107004	0.062255	0.094801
ENSMUSG000000086697	4933427G23RI	0.722926	0.387894	0.062361	0.094953
ENSMUSG000000054892	TXK	0.5753	0.308868	0.062517	0.095183
ENSMUSG000000037254	ITIH2	-1.07468	0.577031	0.062542	0.095212
ENSMUSG000000041189	CHRNA1	0.277717	0.149218	0.062724	0.09548
ENSMUSG000000032076	CADM1	0.34034	0.182923	0.062806	0.095588
ENSMUSG000000063684	GM13910	-0.54025	0.290366	0.062806	0.095588
ENSMUSG000000037902	SIRPA	0.255229	0.137184	0.062818	0.095597
ENSMUSG000000060152	POP5	0.240493	0.129295	0.062881	0.095685
ENSMUSG000000052374	ACTN2	-0.19061	0.102489	0.06291	0.09572
ENSMUSG000000026806	DDX31	0.354796	0.190911	0.063108	0.096013
ENSMUSG000000022512	CLDN1	0.99647	0.536317	0.063171	0.096101
ENSMUSG000000022103	GFRA2	-0.42545	0.229053	0.063248	0.096193
ENSMUSG000000073647	GM10557	-0.4091	0.220342	0.06336	0.096354
ENSMUSG000000024176	SOX8	-0.92371	0.497562	0.063388	0.096387
ENSMUSG000000005493	MSH4	0.43239	0.232975	0.063461	0.09649
ENSMUSG000000003316	GLG1	0.153304	0.082606	0.063474	0.096501
ENSMUSG000000079051	GM14025	0.655038	0.352996	0.063503	0.096537
ENSMUSG000000062683	ATP5G2	0.281469	0.151688	0.063514	0.096545
ENSMUSG000000032657	FAM189B	-0.60439	0.325734	0.063528	0.096557
ENSMUSG000000035861	TMPRSS11B	-0.70393	0.379563	0.063654	0.09674
ENSMUSG000000044022	PCDHB21	-0.5973	0.322189	0.063757	0.096887
ENSMUSG000000047507	BAIAP3	0.705864	0.380763	0.063766	0.096893
ENSMUSG000000050545	FAM228B	-0.47698	0.257314	0.063784	0.096912
ENSMUSG000000050621	RPS27RT	2.147798	1.158782	0.063811	0.096944
ENSMUSG000000000392	FAP	-0.45942	0.247906	0.063854	0.097001
ENSMUSG000000026825	DNM1	-0.93964	0.50709	0.063882	0.097035
ENSMUSG000000023140	REG2	-0.51737	0.279218	0.063893	0.097042
ENSMUSG000000047654	TSSK6	0.696936	0.376161	0.063917	0.09707
ENSMUSG000000031196	F8	-0.47808	0.258068	0.063949	0.09711
ENSMUSG000000020895	TMEM107	0.321848	0.17374	0.063958	0.097116
ENSMUSG000000078377	GM4294	3.299434	1.781301	0.063988	0.097153
ENSMUSG000000015749	ANP32E	0.163309	0.088172	0.064002	0.097165
ENSMUSG000000027863	CD2	0.730178	0.394258	0.064022	0.097186
ENSMUSG000000056917	SIPA1	-0.26126	0.141075	0.064033	0.097194
ENSMUSG000000022092	PPP3CC	-0.16162	0.087292	0.064094	0.097278

ENSMUSG00000083307	AA414768	0.616681	0.333091	0.064114	0.097299
ENSMUSG00000022899	SLC15A2	-1.11611	0.602952	0.064159	0.09736
ENSMUSG00000060096	AMD-PS3	1.429225	0.772199	0.064191	0.0974
ENSMUSG00000021938	PSPC1	0.295548	0.159698	0.064218	0.097431
ENSMUSG00000001768	RIN2	-0.32147	0.173757	0.064301	0.097549
ENSMUSG00000084989	CROCC2	-0.57916	0.313094	0.064342	0.097603
ENSMUSG00000033075	SENP1	0.194372	0.105083	0.064356	0.097615
ENSMUSG00000030522	MTMR10	0.197409	0.106749	0.064417	0.097698
ENSMUSG00000087385	FRG2F1	0.256412	0.138659	0.064425	0.097702
ENSMUSG00000078922	TGTP1	-0.70223	0.379778	0.064449	0.097729
ENSMUSG00000079111	KDEL2	0.162181	0.087721	0.064484	0.097774
ENSMUSG00000074364	EHD2	-0.3843	0.207913	0.06455	0.097865
ENSMUSG00000020335	ZFP354B	-0.37261	0.201634	0.064606	0.097935
ENSMUSG00000027884	CLCC1	0.17055	0.092291	0.064607	0.097935
ENSMUSG00000066902	RPS23-PS2	1.121853	0.60715	0.06464	0.097976
ENSMUSG00000016018	MTREX	-0.18811	0.101809	0.064652	0.097986
ENSMUSG00000020652	CENPO	-0.33919	0.183586	0.064665	0.097996
ENSMUSG00000082593	GM11331	1.191209	0.644851	0.064709	0.098054
ENSMUSG00000040151	HS2ST1	0.218098	0.118091	0.064766	0.098131
ENSMUSG00000027770	DHX36	0.167326	0.090614	0.064807	0.09818
ENSMUSG00000041064	PIF1	1.376693	0.74554	0.064809	0.09818
ENSMUSG00000059864	OLFR1393	-0.39773	0.215421	0.064852	0.098235
ENSMUSG00000047880	CXCR5	0.693311	0.375683	0.064969	0.098404
ENSMUSG00000031887	TRADD	0.320493	0.173677	0.064988	0.098424
ENSMUSG00000028937	ACOT7	-0.31193	0.169072	0.065041	0.098496
ENSMUSG00000015879	FAM184B	0.953413	0.516854	0.065089	0.098558
ENSMUSG00000037622	WDTC1	-0.16757	0.090844	0.065094	0.098558
ENSMUSG00000048647	EXD1	0.337565	0.183005	0.0651	0.098558
ENSMUSG00000059791	NRM	0.46985	0.254735	0.065115	0.098573
ENSMUSG00000010914	PDHX	-0.19623	0.106416	0.065186	0.098671
ENSMUSG00000036934	4921524J17RIK	0.245562	0.133237	0.065323	0.098869
ENSMUSG00000027763	MBNL1	-0.15806	0.085769	0.065354	0.098907
ENSMUSG00000093385	A330044P14RII	-0.59068	0.320534	0.06536	0.098908
ENSMUSG00000061099	GAPDHS	0.293106	0.1591	0.065434	0.099011
ENSMUSG00000033114	SLC35D2	0.482687	0.262037	0.065467	0.099052
ENSMUSG00000072763	5430403G16RI	0.437631	0.237638	0.065535	0.099147
ENSMUSG00000062762	EI24	-0.1681	0.091292	0.065569	0.099188
ENSMUSG00000090122	KCNE1L	-0.91578	0.497349	0.065575	0.099189
ENSMUSG00000064317	GM10146	0.219559	0.119259	0.065618	0.099246
ENSMUSG00000020432	TCN2	0.22763	0.123659	0.065652	0.099288
ENSMUSG00000067085	GM10197	-2.01002	1.092112	0.065697	0.099347
ENSMUSG00000060600	ENO3	-0.30005	0.163051	0.06574	0.099404
ENSMUSG00000021395	SPIN1	0.154267	0.083853	0.065808	0.099497
ENSMUSG00000050288	FZD2	-0.82385	0.447851	0.065833	0.099526
ENSMUSG00000032257	ANKK1	1.765522	0.959787	0.065843	0.099532
ENSMUSG00000059336	SLC14A1	-0.6526	0.3548	0.065863	0.099553
ENSMUSG00000040363	BCOR	-0.21409	0.116406	0.065894	0.099592
ENSMUSG00000024667	TMEM216	0.247667	0.13467	0.065906	0.099602
ENSMUSG00000006021	KPTN	-0.24909	0.135506	0.066027	0.099764
ENSMUSG00000030924	REXO5	0.444213	0.241657	0.066034	0.099764

ENSMUSG00000045210	VCPIP1	0.250387	0.136215	0.066037	0.099764
ENSMUSG00000056091	ST3GAL5	-0.36366	0.197831	0.066029	0.099764
ENSMUSG00000039176	POLG	0.172653	0.093956	0.066122	0.099883
ENSMUSG00000004031	BRINP2	-0.82932	0.451357	0.066151	0.099918
ENSMUSG00000031093	DOCK11	0.310471	0.168989	0.066176	0.099938
ENSMUSG000000101477	GM18448	-0.73671	0.400982	0.066171	0.099938
ENSMUSG000000066191	ANKS6	-0.69238	0.376883	0.066191	0.099951
ENSMUSG00000026585	KIFAP3	-0.15563	0.084746	0.066291	0.100094
ENSMUSG00000059810	RGS3	-0.40086	0.2183	0.066319	0.100127
ENSMUSG00000029431	B3GNT4	-1.45215	0.791464	0.066541	0.100453
ENSMUSG00000026347	TMEM163	-1.0743	0.58587	0.0667	0.100684
ENSMUSG00000034308	SDR42E1	-0.44697	0.243823	0.066774	0.100788
ENSMUSG00000038323	1700066M21R	-0.64518	0.352115	0.066904	0.100975
ENSMUSG00000026417	PIGR	-1.18146	0.644956	0.066974	0.101071
ENSMUSG00000068647	OLFR1278	1.024401	0.55945	0.067088	0.101234
ENSMUSG00000096171	GM8055	-1.0889	0.594706	0.067103	0.101247
ENSMUSG00000020253	PPM1M	-0.42697	0.233209	0.06712	0.101265
ENSMUSG00000050908	TVP23A	0.572964	0.313003	0.067169	0.10133
ENSMUSG00000059555	TOR4A	0.363278	0.198477	0.067201	0.101368
ENSMUSG00000024425	NDFIP1	0.151297	0.082679	0.067259	0.101447
ENSMUSG00000009876	COX4I2	-0.31582	0.172618	0.067315	0.101522
ENSMUSG00000025743	SDC3	-0.21276	0.116306	0.067351	0.101567
ENSMUSG00000011877	GIT1	-0.15597	0.085269	0.067374	0.101593
ENSMUSG00000052512	NAV2	-0.43181	0.236113	0.067423	0.101659
ENSMUSG00000032551	1110059G10RI	0.218368	0.11947	0.067578	0.101883
ENSMUSG00000041540	SOX5	-0.64597	0.353491	0.067641	0.101969
ENSMUSG00000044921	RASSF9	-0.48554	0.265729	0.067668	0.101991
ENSMUSG00000053898	ECH1	-0.30606	0.167498	0.067666	0.101991
ENSMUSG00000097739	GM2539	-0.68515	0.375055	0.067728	0.102073
ENSMUSG00000069300	HIST1H2BJ	0.937749	0.513637	0.067895	0.102316
ENSMUSG00000006740	KIF5B	0.285371	0.15642	0.068094	0.102606
ENSMUSG00000000420	GALNT1	-0.1584	0.086824	0.068102	0.102609
ENSMUSG000000111585	GM47355	-0.40562	0.222384	0.068156	0.102681
ENSMUSG00000035458	TNNI3	-0.39918	0.218893	0.068206	0.10274
ENSMUSG00000041846	PPP4R3A	0.154356	0.084642	0.068207	0.10274
ENSMUSG000000103677	PCDHGA4	-0.39508	0.216685	0.068256	0.102804
ENSMUSG00000024137	E4F1	0.17173	0.094208	0.06832	0.102892
ENSMUSG00000034271	JDP2	0.298458	0.163757	0.068369	0.102956
ENSMUSG00000025189	CNNM1	-1.24811	0.684831	0.068379	0.102963
ENSMUSG00000020807	4933427D14RI	-0.37537	0.20604	0.068479	0.103104
ENSMUSG00000037418	BEST1	0.928046	0.509751	0.06867	0.103382
ENSMUSG00000028999	RINT1	0.226049	0.124179	0.068706	0.103428
ENSMUSG00000029068	CCNL2	0.25402	0.13962	0.068855	0.103634
ENSMUSG00000063239	GRM4	-0.99348	0.54605	0.06885	0.103634
ENSMUSG00000027951	ADAR	-0.28687	0.157689	0.068883	0.103657
ENSMUSG00000041827	OASL1	0.482321	0.265128	0.068881	0.103657
ENSMUSG00000085957	SYNA	0.974673	0.535865	0.06893	0.103719
ENSMUSG00000098557	KCTD12	-0.18711	0.10288	0.068948	0.103737
ENSMUSG00000023921	MUT	-0.19403	0.106689	0.068971	0.103761
ENSMUSG00000023918	ADGRF4	-1.03592	0.56977	0.069043	0.103861

ENSMUSG00000074489	BGLAP3	0.470514	0.258883	0.069144	0.104005
ENSMUSG00000031433	RBM41	-0.29603	0.162891	0.069165	0.104026
ENSMUSG00000032380	DAPK2	-0.33013	0.18169	0.069215	0.104092
ENSMUSG00000032870	SMAP2	-0.15214	0.083754	0.069285	0.104189
ENSMUSG00000052137	RBM12B2	0.239105	0.131678	0.069396	0.104346
ENSMUSG00000022016	AKAP11	0.272284	0.149962	0.069418	0.10437
ENSMUSG00000072770	ACRBP	-0.46521	0.256257	0.069461	0.104425
ENSMUSG00000027550	LRRCC1	-0.22459	0.123744	0.069527	0.104515
ENSMUSG00000063895	NUPL1	0.162547	0.089576	0.069581	0.104587
ENSMUSG00000078139	AK157302	-1.10975	0.611627	0.069613	0.104626
ENSMUSG00000044216	KCNJ4	-0.54638	0.301181	0.069657	0.104683
ENSMUSG00000079491	H2-T10	0.36838	0.203088	0.069694	0.104729
ENSMUSG00000038903	CCDC68	0.444945	0.245314	0.069712	0.104747
ENSMUSG00000036030	PRTG	-1.03877	0.572727	0.069721	0.104751
ENSMUSG00000025224	GBF1	0.212223	0.117014	0.069732	0.104758
ENSMUSG00000067795	4930444P10RII	0.997423	0.550271	0.069893	0.104991
ENSMUSG00000004947	DTX2	-0.20844	0.115011	0.069928	0.105034
ENSMUSG00000028274	RNGTT	-0.19827	0.109407	0.069953	0.105062
ENSMUSG00000032475	NCK1	-0.17227	0.095068	0.069972	0.105081
ENSMUSG00000021203	OTUB2	-0.4615	0.254702	0.069997	0.10511
ENSMUSG00000024863	MBL2	-1.77557	0.980064	0.070035	0.105158
ENSMUSG00000067916	ZFP991	0.267253	0.147593	0.070181	0.105368
ENSMUSG00000032324	TSPAN3	-0.15115	0.083481	0.070212	0.105391
ENSMUSG00000037296	LSM1	0.28112	0.155271	0.070215	0.105391
ENSMUSG00000079492	GM11127	1.163293	0.642514	0.070213	0.105391
ENSMUSG00000027805	PFN2	-0.27048	0.149468	0.07036	0.105599
ENSMUSG00000073062	ZXDB	-0.24637	0.136164	0.07039	0.105634
ENSMUSG000000105081	GM43110	1.708922	0.944716	0.070462	0.105734
ENSMUSG00000057244	GM6139	0.989085	0.546878	0.070513	0.1058
ENSMUSG00000031935	MED17	0.22527	0.124604	0.070625	0.10596
ENSMUSG00000009640	DMAP1	0.183957	0.101768	0.070666	0.106012
ENSMUSG00000069823	OLFR1	-0.83352	0.461137	0.070679	0.106022
ENSMUSG000000110472	GM45739	0.716267	0.396319	0.070715	0.106067
ENSMUSG00000060470	ADGRG3	0.478781	0.26496	0.070763	0.10613
ENSMUSG00000024846	CST6	0.362229	0.200482	0.070794	0.106157
ENSMUSG00000089727	KLRA8	0.94899	0.525227	0.07079	0.106157
ENSMUSG00000022091	SORBS3	0.205412	0.113802	0.071074	0.106568
ENSMUSG00000050382	KIF7	-0.33514	0.185721	0.071145	0.106663
ENSMUSG000000081471	GM14735	0.45606	0.252739	0.071158	0.106674
ENSMUSG00000073386	9830107B12RII	0.950111	0.526588	0.071187	0.106709
ENSMUSG00000004843	CHMP2B	-0.15134	0.083905	0.071277	0.106833
ENSMUSG00000039048	FOXRED1	-0.19535	0.108318	0.071306	0.106868
ENSMUSG00000002733	PLEKHA3	-0.17747	0.098412	0.07133	0.106885
ENSMUSG00000022304	DPYS	-1.13958	0.631916	0.071329	0.106885
ENSMUSG00000089739	GM20431	-3.25685	1.806461	0.071406	0.106989
ENSMUSG00000066366	SERPINA1A	-1.35334	0.750892	0.071497	0.107115
ENSMUSG00000076441	ASS1	0.660677	0.366602	0.07152	0.107141
ENSMUSG00000068391	CHRA1	0.156008	0.086581	0.071565	0.107199
ENSMUSG00000042594	SH2B3	-0.1625	0.090196	0.071604	0.107249
ENSMUSG00000079553	KIFC1	0.928795	0.51563	0.071659	0.107321

ENSMUSG00000046317	BC107364	0.553171	0.307136	0.071693	0.107362
ENSMUSG00000025255	ZFHX4	-0.63804	0.354304	0.071728	0.107405
ENSMUSG00000023047	AMHR2	0.893189	0.495999	0.071736	0.107408
ENSMUSG00000013878	RNF170	-0.21377	0.11874	0.071811	0.107511
ENSMUSG00000007338	MRPL49	0.202489	0.11248	0.071826	0.107524
ENSMUSG00000029780	NT5C3	-0.15052	0.083621	0.071848	0.107528
ENSMUSG00000049076	ACAP2	0.168264	0.093473	0.07184	0.107528
ENSMUSG00000055633	ZFP580	-0.2656	0.147551	0.071848	0.107528
ENSMUSG00000057729	PRTN3	0.91011	0.50565	0.071879	0.107565
ENSMUSG00000022510	TRP63	-1.11927	0.622058	0.071972	0.107694
ENSMUSG00000016496	CD274	-0.39102	0.217327	0.071984	0.107703
ENSMUSG00000022948	SETD4	0.303209	0.168604	0.072123	0.107901
ENSMUSG00000039810	ZC3H10	0.261379	0.145376	0.072185	0.107986
ENSMUSG00000036111	LMO1	0.376298	0.209363	0.072281	0.108119
ENSMUSG00000029499	PXMP2	-0.35748	0.198975	0.0724	0.108288
ENSMUSG00000043088	IL17RE	-0.51111	0.284502	0.072416	0.108303
ENSMUSG00000037722	GNPNAT1	0.186856	0.104055	0.072535	0.108461
ENSMUSG000000108857	GM44578	-0.58092	0.323494	0.072532	0.108461
ENSMUSG00000063760	RNF217	-0.38277	0.213189	0.072581	0.10852
ENSMUSG00000031450	GRK1	-0.25408	0.141581	0.072716	0.108712
ENSMUSG00000026442	NFASC	-1.44379	0.804641	0.072762	0.108771
ENSMUSG00000098176	CCDC166	-0.45966	0.256311	0.072912	0.108986
ENSMUSG00000035799	TWIST1	0.411037	0.229256	0.072986	0.109088
ENSMUSG00000007646	RAD51C	0.419379	0.233924	0.073005	0.109106
ENSMUSG00000032519	SLC25A38	0.187985	0.104894	0.07311	0.109253
ENSMUSG00000082390	GM12136	0.907384	0.506386	0.073152	0.109307
ENSMUSG00000033809	ALG3	0.210471	0.117485	0.073217	0.109394
ENSMUSG00000029270	FAM69A	0.261862	0.146183	0.07324	0.109418
ENSMUSG00000069972	RPS13-PS2	3.534596	1.973225	0.073249	0.109422
ENSMUSG00000000708	KAT2B	-0.1945	0.108588	0.073269	0.109442
ENSMUSG00000026803	TTF1	-0.24711	0.137973	0.073289	0.109462
ENSMUSG00000048458	INKA2	-0.31038	0.173308	0.07331	0.109485
ENSMUSG00000036466	MEGF11	0.480503	0.268335	0.073345	0.109526
ENSMUSG00000071793	2610005L07RIH	-0.19865	0.110939	0.07335	0.109526
ENSMUSG00000031517	GPM6A	-0.65962	0.368446	0.07341	0.109605
ENSMUSG00000034807	COLGALT1	0.14936	0.08344	0.073449	0.109644
ENSMUSG00000051510	MAFG	0.260721	0.14565	0.073445	0.109644
ENSMUSG00000025821	ZFP282	-0.21507	0.120174	0.073507	0.109721
ENSMUSG00000032606	NICN1	-0.29952	0.167452	0.073662	0.109943
ENSMUSG00000022225	CMA1	-0.95507	0.534176	0.073787	0.11012
ENSMUSG00000018893	MB	-0.2329	0.130285	0.073835	0.110181
ENSMUSG00000094942	GM3604	-0.39165	0.219157	0.073922	0.110301
ENSMUSG00000042178	ARMC5	0.213359	0.119422	0.074002	0.110412
ENSMUSG00000076433	CEP295NL	0.878794	0.491893	0.074009	0.110412
ENSMUSG00000042506	USP22	-0.20159	0.112863	0.074076	0.110502
ENSMUSG00000021252	ERG28	-0.32016	0.17938	0.074296	0.110821
ENSMUSG00000029674	LIMK1	0.208718	0.116989	0.074411	0.110983
ENSMUSG00000024173	TPSAB1	1.039828	0.582892	0.074438	0.111013
ENSMUSG00000019732	CALR3	0.281771	0.158128	0.074762	0.111467
ENSMUSG00000048349	POU4F1	0.853909	0.479285	0.074809	0.111527

ENSMUSG00000043932	KLRI2	1.609065	0.903328	0.074869	0.111607
ENSMUSG00000033618	MAP3K13	-0.45893	0.257692	0.074925	0.111662
ENSMUSG00000034205	LOXL2	0.415135	0.233101	0.074926	0.111662
ENSMUSG000000102443	GM37102	-0.4888	0.274463	0.074924	0.111662
ENSMUSG00000038976	PPP1R9B	0.149186	0.083824	0.075116	0.111925
ENSMUSG00000079038	D130040H23RI	-0.40012	0.224817	0.075114	0.111925
ENSMUSG00000030887	PDZD9	0.450465	0.253139	0.075156	0.111975
ENSMUSG00000021496	PCBD2	0.185417	0.104204	0.07518	0.112002
ENSMUSG00000027952	PMVK	0.206425	0.116014	0.075191	0.112007
ENSMUSG00000046186	CD109	0.414615	0.233038	0.075212	0.112029
ENSMUSG00000020519	SAP30L	-0.16171	0.090896	0.075226	0.11204
ENSMUSG00000002981	CLPTM1	0.153641	0.086383	0.075304	0.112147
ENSMUSG00000056899	IMMP2L	0.190441	0.107091	0.075352	0.112209
ENSMUSG00000000600	KRIT1	-0.14871	0.083645	0.075425	0.112298
ENSMUSG00000033152	PODXL2	-0.35613	0.200312	0.075421	0.112298
ENSMUSG00000006711	D130043K22RI	1.520937	0.855564	0.075453	0.112329
ENSMUSG00000027435	CD93	-0.14703	0.082716	0.075477	0.112355
ENSMUSG00000063550	NUP98	0.156056	0.087818	0.075562	0.112462
ENSMUSG00000011436	GM47356	-0.4846	0.272702	0.075561	0.112462
ENSMUSG00000031844	HSD17B2	-1.0584	0.595796	0.075659	0.112597
ENSMUSG00000049421	ZFP260	-0.22303	0.125651	0.075895	0.112927
ENSMUSG00000051242	PCDHB9	-0.80809	0.455247	0.075889	0.112927
ENSMUSG00000042197	ZFP451	0.267667	0.15083	0.07596	0.113014
ENSMUSG00000027932	SLC27A3	-0.63192	0.356308	0.076141	0.113274
ENSMUSG00000044211	GM7887	2.145263	1.210719	0.076412	0.113668
ENSMUSG00000068877	SELENBP2	-1.29097	0.729057	0.076605	0.113945
ENSMUSG00000039552	RSPH4A	-1.08302	0.611668	0.076627	0.113957
ENSMUSG00000040624	PLEKHG1	0.391596	0.221164	0.076625	0.113957
ENSMUSG00000027878	NOTCH2	0.167337	0.094514	0.076645	0.113974
ENSMUSG00000038481	CDK19	-0.26379	0.149028	0.076711	0.114062
ENSMUSG00000033623	PCGF3	0.236621	0.133709	0.076782	0.114156
ENSMUSG00000035443	THYN1	0.160094	0.090467	0.076787	0.114156
ENSMUSG00000016942	TMPRSS6	-0.97038	0.548711	0.076981	0.114433
ENSMUSG00000041133	SMC1A	0.194345	0.109905	0.077009	0.114465
ENSMUSG00000067642	ADGRF3	0.916636	0.518385	0.077019	0.11447
ENSMUSG00000068587	MGAM	0.705494	0.399074	0.07709	0.114565
ENSMUSG00000082183	GM15994	0.847451	0.479545	0.077195	0.114712
ENSMUSG00000071052	RPL7A-PS5	1.156441	0.654675	0.077323	0.114892
ENSMUSG00000031103	ELF4	0.175893	0.099616	0.077443	0.11506
ENSMUSG00000039285	AZI2	-0.14982	0.084858	0.077477	0.115101
ENSMUSG00000026424	GPR37L1	-0.76639	0.434123	0.077501	0.11512
ENSMUSG00000062981	MRPL42	0.226137	0.128097	0.077503	0.11512
ENSMUSG00000022957	ITSN1	0.165587	0.093811	0.077543	0.115168
ENSMUSG00000043290	ZFP784	0.236367	0.133916	0.077558	0.11518
ENSMUSG00000012017	SCARF2	0.296501	0.168006	0.077593	0.115223
ENSMUSG00000044349	SNHG11	0.409783	0.232213	0.077617	0.115248
ENSMUSG00000028397	KDM4C	-0.23091	0.130868	0.07766	0.115301
ENSMUSG00000030158	CLEC12B	0.38517	0.218307	0.077672	0.11531
ENSMUSG00000020598	NRCAM	0.618937	0.350838	0.077704	0.115346
ENSMUSG00000025374	NABP2	0.15817	0.089672	0.077754	0.115411

ENSMUSG00000027530	FABP12	1.378377	0.781563	0.077797	0.115464
ENSMUSG00000073794	I0C0044D17RIK	1.061452	0.601928	0.07783	0.115503
ENSMUSG00000022012	ENOX1	-0.48029	0.272393	0.077864	0.115544
ENSMUSG00000036185	SAPCD1	0.572659	0.324804	0.077885	0.115565
ENSMUSG00000067010	VMN2R10	1.031001	0.584815	0.077909	0.11559
ENSMUSG00000041096	TSPYL2	-0.16641	0.094421	0.077989	0.115699
ENSMUSG00000031775	PLLP	-0.6388	0.362468	0.078007	0.115716
ENSMUSG00000020079	SUPV3L1	-0.24336	0.138094	0.078022	0.115728
ENSMUSG00000049439	CYP20A1	0.18945	0.107519	0.078067	0.115784
ENSMUSG00000003206	EBI3	0.433381	0.245982	0.078096	0.115817
ENSMUSG00000041817	FAM169A	0.326023	0.185079	0.078148	0.115885
ENSMUSG00000072849	SERPINA1E	-2.03688	1.156574	0.078217	0.115976
ENSMUSG00000038346	ZFP384	0.150935	0.08572	0.078272	0.116048
ENSMUSG00000056666	RETSAT	0.161832	0.091948	0.078399	0.116226
ENSMUSG00000037922	BANK1	-0.65293	0.371053	0.078463	0.116311
ENSMUSG00000002602	AXL	-0.19065	0.108355	0.078497	0.116352
ENSMUSG00000042515	MUM1L1	0.319755	0.181818	0.078636	0.116547
ENSMUSG00000020227	IRAK3	0.287871	0.163701	0.078659	0.116571
ENSMUSG00000045257	MORN2	0.25464	0.144813	0.078678	0.116588
ENSMUSG00000028899	TAF12	0.191365	0.108896	0.078865	0.116855
ENSMUSG00000033430	TERF2IP	-0.18511	0.105343	0.078875	0.11686
ENSMUSG00000087635	GM13414	-1.41128	0.803134	0.078881	0.11686
ENSMUSG00000052974	CYP2F2	-1.33815	0.761613	0.078918	0.116903
ENSMUSG00000030484	LYPD5	-0.56783	0.323208	0.078944	0.116932
ENSMUSG00000045730	ADRB2	0.281547	0.160261	0.078952	0.116933
ENSMUSG00000061393	ACVR2B	-0.39866	0.22697	0.079011	0.117011
ENSMUSG00000024054	SMCHD1	0.176701	0.100634	0.079109	0.117125
ENSMUSG00000027209	FAM227B	1.083241	0.6169	0.079098	0.117125
ENSMUSG00000039196	ORM1	0.596286	0.339586	0.079102	0.117125
ENSMUSG00000041000	TRIM62	0.560727	0.319369	0.079134	0.117151
ENSMUSG00000055093	GM8430	3.663602	2.087143	0.079205	0.117247
ENSMUSG00000052812	ATAD2B	0.224565	0.12794	0.079219	0.117257
ENSMUSG00000071202	CCDC78	0.615505	0.350691	0.079239	0.117277
ENSMUSG00000032776	MCTP2	1.054096	0.600636	0.079265	0.117305
ENSMUSG00000024524	GNAL	-0.21398	0.121965	0.079359	0.117435
ENSMUSG00000020745	PAFAH1B1	0.155584	0.0887	0.079423	0.117518
ENSMUSG00000003604	AVEN	-0.20254	0.115506	0.079515	0.117645
ENSMUSG00000001785	PWP1	0.157418	0.089785	0.079555	0.117693
ENSMUSG00000038540	TMC3	-0.54907	0.313233	0.079617	0.117775
ENSMUSG00000050234	GJA4	0.21608	0.123274	0.07963	0.117784
ENSMUSG00000029787	AVL9	0.273477	0.156063	0.079714	0.117897
ENSMUSG00000064360	MT-ND3	0.207201	0.118246	0.079725	0.117903
ENSMUSG00000046876	ATXN1	-0.35728	0.203909	0.079747	0.117926
ENSMUSG00000006906	STAMBP	-0.32188	0.18371	0.079756	0.117928
ENSMUSG00000046456	TMEM150B	0.682881	0.390155	0.080069	0.118382
ENSMUSG00000070883	CCDC173	0.361523	0.206581	0.080113	0.118437
ENSMUSG00000060198	GM11353	1.293311	0.739162	0.08017	0.11851
ENSMUSG00000059412	FXD2	-0.42191	0.241252	0.080322	0.118724
ENSMUSG00000024579	PCYOX1L	-0.3835	0.219404	0.080475	0.11894
ENSMUSG00000062353	GM15772	1.453599	0.831723	0.080517	0.118991

ENSMUSG00000050232	CXCR3	1.59731	0.914663	0.080752	0.119322
ENSMUSG00000081473	GM4853	0.984311	0.563647	0.080754	0.119322
ENSMUSG00000034480	DIAPH2	0.180502	0.103369	0.080778	0.119346
ENSMUSG00000061544	ZFP229	-0.45952	0.263201	0.08083	0.119413
ENSMUSG00000085998	AW822252	0.45502	0.260718	0.08094	0.119565
ENSMUSG00000087542	GM15878	-0.91045	0.521824	0.081028	0.119684
ENSMUSG00000067780	PI15	0.486083	0.278672	0.081109	0.119794
ENSMUSG00000028758	KIF17	0.753268	0.431953	0.081183	0.119882
ENSMUSG00000055150	ZFP78	-0.49263	0.282492	0.081182	0.119882
ENSMUSG00000028044	CKS1B	0.585354	0.33582	0.081323	0.120079
ENSMUSG00000027692	TNIK	-0.26879	0.154234	0.081375	0.120145
ENSMUSG00000021285	PPP1R13B	-0.20799	0.11939	0.081485	0.120297
ENSMUSG00000033825	TPSB2	-0.48699	0.279548	0.081498	0.120305
ENSMUSG00000040310	ALX4	-0.81141	0.465839	0.081538	0.120354
ENSMUSG00000054027	NT5DC3	0.17903	0.102834	0.081689	0.120566
ENSMUSG00000014075	TCTEX1D2	0.221391	0.12719	0.081749	0.120645
ENSMUSG00000022564	GRINA	0.143546	0.082476	0.081779	0.120679
ENSMUSG00000063358	MAPK1	0.147326	0.084709	0.081999	0.120992
ENSMUSG00000002980	BCAM	0.142725	0.08212	0.082209	0.121292
ENSMUSG00000020994	PNN	-0.14394	0.08284	0.082282	0.121389
ENSMUSG00000005483	DNAJB1	0.685322	0.394551	0.082393	0.121543
ENSMUSG00000032667	PON2	0.214295	0.123422	0.082515	0.121711
ENSMUSG00000029417	CXCL9	-0.72999	0.420471	0.082541	0.121739
ENSMUSG00000033576	APOL6	0.790912	0.455573	0.082549	0.121741
ENSMUSG00000027620	RBM39	0.143969	0.082932	0.082567	0.121757
ENSMUSG00000025870	ARL10	-0.27647	0.159278	0.082607	0.121804
ENSMUSG00000028020	GLRB	0.451215	0.260197	0.082896	0.122211
ENSMUSG00000038637	LRRC56	-0.27716	0.159829	0.082897	0.122211
ENSMUSG00000004085	MAP3K20	0.143499	0.082763	0.082944	0.12227
ENSMUSG00000094893	GM4791	0.802424	0.463234	0.083235	0.122688
ENSMUSG00000020205	PHLDA1	0.487621	0.281561	0.0833	0.122774
ENSMUSG00000042485	MUSTN1	0.472349	0.272891	0.083468	0.123011
ENSMUSG00000052271	BHLHA15	0.944217	0.54555	0.083494	0.123038
ENSMUSG00000052942	GLIS3	0.658139	0.380353	0.083569	0.123139
ENSMUSG00000034057	MYRFL	-0.54509	0.315055	0.083604	0.123179
ENSMUSG00000001376	VPS50	-0.18341	0.106064	0.083765	0.123385
ENSMUSG00000035757	SELENOO	-0.16042	0.09277	0.083767	0.123385
ENSMUSG00000042105	INPP5F	0.204597	0.118321	0.083779	0.123385
ENSMUSG00000044017	ADGRD1	-0.22719	0.131388	0.083775	0.123385
ENSMUSG00000094825	GM3194	-0.6284	0.363416	0.083781	0.123385
ENSMUSG00000030671	PDE3B	-0.35046	0.202683	0.08379	0.123389
ENSMUSG00000022844	PDIA5	-0.47462	0.274639	0.083958	0.123626
ENSMUSG00000025701	ALOX5	-0.27318	0.1582	0.084199	0.123967
ENSMUSG00000046442	PPM1E	0.172368	0.09982	0.084204	0.123967
ENSMUSG00000029030	TPRGL	0.142567	0.082578	0.084268	0.124049
ENSMUSG00000076490	TRBC1	0.826735	0.478963	0.08433	0.124131
ENSMUSG00000038005	HPF1	0.305607	0.177059	0.084344	0.124139
ENSMUSG00000040258	NXPH4	-0.67415	0.390613	0.08437	0.124168
ENSMUSG00000032899	STYK1	0.509813	0.295405	0.084382	0.124174
ENSMUSG00000031627	IRF2	-0.23776	0.137833	0.084534	0.124377

ENSMUSG00000031783	POLR2C	0.215782	0.125093	0.084532	0.124377
ENSMUSG00000050212	EVA1B	0.24803	0.143817	0.084596	0.124457
ENSMUSG00000062488	IFIT3B	-0.59597	0.345586	0.084615	0.124474
ENSMUSG00000024150	MCFD2	0.151084	0.087634	0.084702	0.124592
ENSMUSG00000067370	B3GALT4	-0.34294	0.19901	0.084843	0.124787
ENSMUSG00000064140	TRIM38	0.772195	0.448286	0.08497	0.124963
ENSMUSG00000002881	NAB1	0.183766	0.106753	0.085176	0.125234
ENSMUSG00000005774	RFX5	-0.33529	0.194773	0.085171	0.125234
ENSMUSG00000032388	SPG21	0.209982	0.121979	0.085167	0.125234
ENSMUSG00000029817	TRA2A	0.207737	0.120733	0.085317	0.125431
ENSMUSG00000030088	ALDH1L1	-0.41417	0.240717	0.085328	0.125436
ENSMUSG00000029826	ZC3HAV1	0.163306	0.094962	0.085487	0.125658
ENSMUSG00000073422	H2-KE6	0.19482	0.1133	0.085523	0.125701
ENSMUSG00000048148	NWD1	0.527927	0.307045	0.085546	0.125723
ENSMUSG00000037709	FAM13A	-0.6388	0.371654	0.085649	0.125864
ENSMUSG00000081557	GM5697	0.442831	0.2578	0.085846	0.126142
ENSMUSG00000002778	KDELRL1	-0.28798	0.16767	0.085884	0.126188
ENSMUSG00000093908	GM5784	-0.72511	0.422216	0.08591	0.126215
ENSMUSG00000092486	ENSMUSG0000	0.485231	0.282566	0.085937	0.126243
ENSMUSG00000060090	RP2	0.217417	0.126628	0.085985	0.126303
ENSMUSG00000059434	GCKR	1.022574	0.59561	0.086006	0.126323
ENSMUSG00000009030	PDCL	-0.25712	0.149854	0.086193	0.126587
ENSMUSG00000030779	RBBP6	0.176401	0.10282	0.086228	0.126628
ENSMUSG00000051243	ISLR2	-0.60831	0.354631	0.086286	0.126702
ENSMUSG00000040219	TTC12	-0.14779	0.08619	0.086397	0.126854
ENSMUSG00000062743	ZFP677	-0.45818	0.267248	0.086447	0.126917
ENSMUSG00000075703	SELENOI	-0.25592	0.149369	0.086647	0.127199
ENSMUSG00000055675	KBTBD11	0.362649	0.211791	0.086842	0.127474
ENSMUSG00000038591	COLEC10	0.720829	0.421013	0.086872	0.127508
ENSMUSG00000001988	NPAS1	-0.53492	0.312442	0.086885	0.127515
ENSMUSG00000019146	CACNG2	-0.45388	0.265124	0.086905	0.127533
ENSMUSG00000030351	TSPAN11	-1.36893	0.799661	0.086916	0.127539
ENSMUSG00000055235	WDR86	-0.78273	0.457371	0.087012	0.127669
ENSMUSG00000031984	2810004N23RI	0.223611	0.130694	0.08709	0.12776
ENSMUSG00000035215	LSM7	0.616381	0.360251	0.087085	0.12776
ENSMUSG00000038546	RANBP9	-0.15031	0.087859	0.087115	0.127787
ENSMUSG00000042118	BHMT2	-0.70373	0.411433	0.087184	0.127876
ENSMUSG00000031329	TSX	1.114163	0.651455	0.087216	0.127913
ENSMUSG000000107185	GM42642	0.680819	0.398095	0.08723	0.127922
ENSMUSG00000022751	NIT2	-0.21732	0.127105	0.08731	0.128029
ENSMUSG00000041220	ELOVL6	0.502595	0.294012	0.08737	0.128105
ENSMUSG00000029502	GOLGA3	0.141164	0.08263	0.087566	0.128381
ENSMUSG00000025384	FAAP100	-0.39726	0.232605	0.087659	0.128506
ENSMUSG00000052508	OLFR536	-0.53355	0.312584	0.087842	0.128763
ENSMUSG00000056900	USP13	0.144523	0.084717	0.088016	0.129008
ENSMUSG00000094520	OLFR635	-0.41378	0.24257	0.088042	0.129035
ENSMUSG00000092305	PRPS1L1	1.075908	0.630902	0.088129	0.129151
ENSMUSG00000029726	MEPCE	-0.22381	0.131298	0.08827	0.129346
ENSMUSG00000052544	ST6GALNAC3	-0.61238	0.359365	0.088369	0.12948
ENSMUSG00000033943	MGA	-0.23193	0.136132	0.088436	0.129568

ENSMUSG00000029212	GABRB1	0.571405	0.335562	0.0886	0.129785
ENSMUSG00000032540	ABHD5	-0.15255	0.089583	0.088597	0.129785
ENSMUSG00000092233	GM20403	-0.57944	0.340423	0.088734	0.12997
ENSMUSG00000029267	MTF2	0.300566	0.17659	0.088745	0.129975
ENSMUSG00000002771	GRIN2D	-0.40359	0.237127	0.088754	0.129977
ENSMUSG00000043432	LENG9	0.224082	0.131708	0.088877	0.130135
ENSMUSG00000097075	CDIPTOS	0.429623	0.252513	0.08887	0.130135
ENSMUSG00000037552	PLEKHG2	-0.19996	0.117562	0.088959	0.130243
ENSMUSG00000048473	SULT6B2	-1.30431	0.766865	0.088975	0.130256
ENSMUSG00000027901	DENND2D	0.482437	0.283667	0.088997	0.130276
ENSMUSG00000039461	TCTA	-0.22723	0.133631	0.089054	0.130349
ENSMUSG00000039745	HTATIP2	0.263489	0.155016	0.089177	0.130518
ENSMUSG00000035152	AP2B1	0.144328	0.084918	0.089204	0.130535
ENSMUSG00000040204	PCLAF	0.962391	0.566234	0.0892	0.130535
ENSMUSG00000031845	BCO1	0.839513	0.494143	0.089333	0.130712
ENSMUSG00000025076	CASP7	-0.26236	0.154444	0.089369	0.130753
ENSMUSG00000091472	GM3739	0.412386	0.242794	0.089413	0.130807
ENSMUSG00000074604	MGST2	0.916335	0.539592	0.08947	0.130879
ENSMUSG00000085642	3110053B16RII	-0.42174	0.248376	0.089511	0.130928
ENSMUSG00000081992	GM13408	0.839474	0.494451	0.089548	0.130962
ENSMUSG00000091989	NDUFAB1-PS	0.876817	0.516451	0.08955	0.130962
ENSMUSG00000018476	KDM6B	-0.47622	0.280624	0.089693	0.13116
ENSMUSG00000032092	MPZL2	0.595435	0.350879	0.089701	0.13116
ENSMUSG00000079104	PRPS1L3	0.171272	0.101037	0.090048	0.131657
ENSMUSG00000074240	CIB3	-0.69572	0.410456	0.090075	0.131684
ENSMUSG00000036086	ZRANB3	0.267152	0.157686	0.090227	0.131895
ENSMUSG00000017718	AFMID	0.229578	0.135542	0.090308	0.132002
ENSMUSG00000022494	SHISA9	-1.58742	0.937543	0.090422	0.132158
ENSMUSG00000049112	OXTR	0.777577	0.459337	0.090489	0.132244
ENSMUSG00000031214	OPHN1	-0.36771	0.217466	0.090856	0.132769
ENSMUSG00000025538	SUMF2	-0.25724	0.152184	0.090965	0.132917
ENSMUSG00000023938	AARS2	-0.17885	0.105828	0.091024	0.132992
ENSMUSG00000025104	HDGFL3	-0.19213	0.113705	0.091082	0.133064
ENSMUSG00000072946	PTGR2	-0.29836	0.176648	0.091217	0.133251
ENSMUSG00000032913	LRIG2	0.200103	0.118525	0.091359	0.133446
ENSMUSG00000002365	SNX9	0.144159	0.085393	0.091377	0.133462
ENSMUSG00000097789	GM2115	-0.99718	0.590727	0.091402	0.133487
ENSMUSG00000021469	MSX2	-0.76854	0.455346	0.091449	0.133543
ENSMUSG00000073937	OLFR633	-1.49356	0.884964	0.091468	0.13356
ENSMUSG00000021569	TRIP13	1.047943	0.620976	0.091493	0.133585
ENSMUSG00000029635	CDK8	0.159664	0.094629	0.091555	0.133664
ENSMUSG00000049422	CHCHD10	0.236505	0.140197	0.091614	0.133739
ENSMUSG00000082163	GM14276	0.726306	0.430672	0.091709	0.133866
ENSMUSG00000038801	SCGB1C1	-0.36738	0.217882	0.091765	0.133936
ENSMUSG00000023025	LARP4	-0.13984	0.082948	0.091823	0.134009
ENSMUSG00000038872	ZFHX3	-0.24221	0.143707	0.091908	0.134122
ENSMUSG00000000120	NGFR	0.608482	0.361186	0.092051	0.134319
ENSMUSG00000046585	CFAP58	1.000805	0.594154	0.0921	0.134379
ENSMUSG00000059183	MTFMT	-0.21799	0.129487	0.092277	0.134626
ENSMUSG00000009563	TOR2A	0.223038	0.132549	0.092437	0.134847

ENSMUSG00000094426	OLFR478	-0.62003	0.368596	0.092542	0.134989
ENSMUSG000000102758	NAALADL2	-0.84495	0.502368	0.092582	0.135035
ENSMUSG00000020878	LRRC46	-0.76148	0.452849	0.092659	0.135136
ENSMUSG00000064115	CADM2	-1.15067	0.684413	0.092715	0.135206
ENSMUSG00000028780	SEMA3C	-0.22541	0.134118	0.092826	0.135356
ENSMUSG00000079235	CCDC13	-1.04206	0.620086	0.092857	0.135391
ENSMUSG00000028261	NDUFAF4	-0.15614	0.092967	0.093043	0.135649
ENSMUSG00000023800	TIAM2	0.369072	0.219768	0.09308	0.135692
ENSMUSG00000036718	MICALL2	0.447636	0.266613	0.093158	0.135794
ENSMUSG00000040022	RAB11FIP2	-0.31731	0.189096	0.093338	0.136045
ENSMUSG00000030309	CAPRIN2	0.279922	0.166841	0.09339	0.13611
ENSMUSG00000044562	RASIP1	0.467271	0.278517	0.093403	0.136116
ENSMUSG00000032238	RORA	-0.22157	0.132168	0.093656	0.136473
ENSMUSG00000026527	RGS7	-0.62292	0.37159	0.093667	0.136478
ENSMUSG00000030083	ABTB1	0.181163	0.108105	0.093776	0.13662
ENSMUSG00000032096	ARCN1	0.13811	0.082415	0.093781	0.13662
ENSMUSG00000024997	PRDX3	-0.16357	0.097624	0.093839	0.136693
ENSMUSG000000107499	CCDC142	-0.4002	0.238897	0.093898	0.136768
ENSMUSG00000022552	SHARPIN	0.15531	0.092726	0.093946	0.136826
ENSMUSG00000041153	OSGIN2	0.228776	0.136631	0.09405	0.136965
ENSMUSG00000091449	GM10269	1.005962	0.600884	0.094104	0.137031
ENSMUSG00000033703	FUK	-0.28775	0.171942	0.094222	0.137191
ENSMUSG00000054293	P2RY10B	0.524343	0.313644	0.094568	0.137684
ENSMUSG00000026034	CLK1	0.141626	0.084741	0.094665	0.137814
ENSMUSG00000025413	TTC4	0.172158	0.103056	0.094813	0.138017
ENSMUSG00000038587	AKAP12	1.053392	0.630727	0.094895	0.138124
ENSMUSG00000037544	DLGAP5	0.980438	0.58709	0.09492	0.138137
ENSMUSG00000069804	GM10277	0.678243	0.406131	0.094917	0.138137
ENSMUSG00000038665	DGKI	-0.95626	0.572976	0.09513	0.138431
ENSMUSG00000032565	NUDT16	-0.20304	0.12168	0.095195	0.138512
ENSMUSG00000036647	OLFR6	-0.60409	0.362041	0.095202	0.138512
ENSMUSG00000025607	COPG2	-0.15641	0.093821	0.095484	0.13891
ENSMUSG00000032625	THSD7A	-0.36029	0.216136	0.095522	0.138954
ENSMUSG00000022974	PAXBP1	0.161769	0.09707	0.09561	0.139058
ENSMUSG00000047485	KLHL34	-0.91877	0.551311	0.095609	0.139058
ENSMUSG00000028277	UBE2J1	0.208732	0.12526	0.095635	0.139077
ENSMUSG00000060671	ATP8B2	-0.28771	0.172654	0.09564	0.139077
ENSMUSG00000072115	ANG	-0.33275	0.199702	0.09567	0.139109
ENSMUSG00000026398	NR5A2	0.482689	0.289782	0.095773	0.139248
ENSMUSG00000092232	GM20521	1.804154	1.08329	0.095825	0.139311
ENSMUSG00000026634	ANGEL2	0.148708	0.089299	0.095856	0.139344
ENSMUSG00000027801	TM4SF4	-1.04234	0.626217	0.096011	0.139557
ENSMUSG00000026946	NMI	-0.2035	0.122262	0.096021	0.13956
ENSMUSG000000105156	GM9057	0.856386	0.514617	0.096088	0.139645
ENSMUSG00000030551	NR2F2	-0.30585	0.183913	0.096312	0.139948
ENSMUSG00000045294	INSIG1	-0.17402	0.104642	0.096306	0.139948
ENSMUSG00000002010	IDH3G	-0.16741	0.100682	0.096352	0.139993
ENSMUSG00000074754	SMIM26	0.185197	0.111384	0.096374	0.140014
ENSMUSG00000013418	B4GALNT2	-0.54803	0.329673	0.096441	0.140098
ENSMUSG00000024359	HSPA9	-0.17875	0.107533	0.096449	0.140099

ENSMUSG00000059708	AKAP17B	-0.55746	0.335384	0.096482	0.140134
ENSMUSG00000047884	KLK9	0.700876	0.421763	0.096557	0.140223
ENSMUSG00000068466	GM5518	1.10912	0.667434	0.09656	0.140223
ENSMUSG00000028809	SRRM1	-0.1424	0.08575	0.096777	0.140527
ENSMUSG00000032271	NNMT	0.360784	0.217316	0.096878	0.140662
ENSMUSG00000043079	SYNPO	-0.19219	0.115777	0.096917	0.140706
ENSMUSG00000044703	PHF11A	0.576185	0.34718	0.096992	0.140803
ENSMUSG00000045409	TRIM39	0.154933	0.093381	0.097086	0.140926
ENSMUSG00000034684	SEMA3F	0.485345	0.292588	0.097157	0.141018
ENSMUSG00000037638	ZBTB42	-0.30323	0.182859	0.097256	0.14115
ENSMUSG00000096810	GM10481	0.418773	0.252554	0.097287	0.141182
ENSMUSG00000053559	SMAGP	-0.20499	0.123646	0.097336	0.141242
ENSMUSG00000032987	OLFR281	0.712333	0.429983	0.09759	0.141598
ENSMUSG00000073876	GM13305	2.139821	1.292113	0.097709	0.141755
ENSMUSG000000107037	GM29793	1.359562	0.820975	0.097715	0.141755
ENSMUSG00000017868	SGK2	1.552654	0.937809	0.097799	0.141865
ENSMUSG00000022801	LRCH3	-0.17065	0.103123	0.097967	0.142089
ENSMUSG00000032434	CMTM6	0.150081	0.090696	0.09797	0.142089
ENSMUSG00000025127	GCGR	-0.48425	0.292752	0.098102	0.142268
ENSMUSG00000025997	IKZF2	-0.40015	0.242016	0.098247	0.142466
ENSMUSG00000042272	SESTD1	0.154318	0.093357	0.098333	0.142579
ENSMUSG00000027472	PDRG1	0.182499	0.110426	0.098396	0.142658
ENSMUSG00000024621	CSF1R	0.182638	0.110524	0.098437	0.142705
ENSMUSG00000021965	SKA3	0.765938	0.463648	0.098539	0.14284
ENSMUSG00000077450	RAB11B	0.13641	0.082607	0.098676	0.143027
ENSMUSG00000053399	ADAMTS18	0.523313	0.316988	0.09876	0.143137
ENSMUSG000000110926	GM5917	0.587149	0.355751	0.09885	0.143255
ENSMUSG00000038538	UBN2	0.165904	0.100528	0.098877	0.143281
ENSMUSG00000042104	UGGT2	-0.26549	0.160924	0.098982	0.143421
ENSMUSG00000029442	WDR66	-0.32707	0.198256	0.098997	0.143431
ENSMUSG00000006649	NPHS1	0.905337	0.54885	0.099042	0.143484
ENSMUSG00000014932	YES1	0.192072	0.116554	0.099369	0.143933
ENSMUSG00000021518	PTDSS1	0.136314	0.082717	0.099361	0.143933
ENSMUSG00000051811	COX6B2	0.351119	0.213152	0.099503	0.144115
ENSMUSG00000054383	PNMA1	-0.55229	0.335326	0.099553	0.144175
ENSMUSG00000062198	2700097O09RI	0.334524	0.203234	0.099764	0.144468
ENSMUSG00000000278	SCPEP1	0.15889	0.096535	0.09978	0.144475
ENSMUSG00000031651	TRIML1	0.657138	0.399259	0.099785	0.144475
ENSMUSG00000094986	OLFR1454	0.818894	0.497747	0.099929	0.14467
ENSMUSG00000094320	CHCHD2-PS	1.303249	0.792416	0.100041	0.144821
ENSMUSG00000070044	FAM149A	-0.34802	0.211616	0.100058	0.144833
ENSMUSG00000032263	BCKDHB	0.530904	0.322867	0.100105	0.144864
ENSMUSG00000090363	GM3512	0.438731	0.266804	0.100096	0.144864
ENSMUSG00000093561	ENSMUSG000C	0.944253	0.57424	0.100103	0.144864
ENSMUSG00000001855	NUP214	0.227005	0.138059	0.100122	0.144876
ENSMUSG00000069089	CDK7	-0.14482	0.088109	0.100254	0.145054
ENSMUSG00000040850	PSME4	-0.14184	0.086304	0.100273	0.145069
ENSMUSG00000049649	GPR3	0.795343	0.483993	0.100322	0.145128
ENSMUSG00000057400	CES1C	-1.66966	1.016285	0.100403	0.145233
ENSMUSG00000028161	PPP3CA	-0.14107	0.085872	0.100417	0.145241

ENSMUSG00000023944	HSP90AB1	0.23408	0.142539	0.100545	0.145413
ENSMUSG00000020520	GALNT10	-0.30374	0.184998	0.10062	0.145497
ENSMUSG00000028978	NOS3	0.268932	0.163796	0.100617	0.145497
ENSMUSG00000096320	OLFR1471	0.543196	0.330998	0.10078	0.145716
ENSMUSG00000050623	CATSPERZ	-0.50486	0.307908	0.10108	0.146138
ENSMUSG00000055401	FBXO6	0.146037	0.089086	0.101155	0.146234
ENSMUSG00000092277	GM19684	-0.76097	0.464491	0.10136	0.146518
ENSMUSG00000020553	PCTP	-0.51492	0.314407	0.101473	0.146669
ENSMUSG00000044359	P2RY4	-0.66759	0.407765	0.101589	0.146823
ENSMUSG00000029607	ANKRD61	0.42508	0.259649	0.101603	0.146831
ENSMUSG00000042046	DSTYK	-0.18404	0.112427	0.101637	0.146868
ENSMUSG00000037833	SH2D4B	0.56044	0.342387	0.10166	0.146888
ENSMUSG00000019878	HSF2	0.154679	0.094507	0.101694	0.146925
ENSMUSG00000074206	ADH6B	0.500604	0.305879	0.101712	0.146939
ENSMUSG00000029603	DTX1	-0.68341	0.417876	0.101959	0.147272
ENSMUSG00000031545	GPAT4	-0.35177	0.215103	0.101977	0.147272
ENSMUSG00000053930	SHISA6	-0.58498	0.357714	0.101977	0.147272
ENSMUSG00000098934	GM18853	0.550225	0.336449	0.101968	0.147272
ENSMUSG00000082286	PISD-PS1	0.365507	0.223552	0.102049	0.147363
ENSMUSG00000001986	GRIA3	-0.75052	0.459157	0.10214	0.147481
ENSMUSG00000035258	ABI3BP	-0.25296	0.154786	0.102201	0.147557
ENSMUSG00000037316	BAG4	-0.31252	0.191277	0.102289	0.147672
ENSMUSG00000060441	TRIM5	-0.3241	0.198376	0.102303	0.147679
ENSMUSG00000030075	CNTN3	-0.53059	0.32484	0.102388	0.147789
ENSMUSG000000107002	0610012G03RI	0.220253	0.134876	0.102469	0.147893
ENSMUSG00000020654	ADCY3	-0.29652	0.181587	0.102487	0.147907
ENSMUSG00000074646	6430550D23RI	0.601514	0.368418	0.102533	0.147961
ENSMUSG00000063179	PSTK	0.277853	0.170234	0.102641	0.148104
ENSMUSG00000002603	TGFB1	0.215393	0.131983	0.102685	0.148155
ENSMUSG00000038751	PTK6	0.385698	0.236372	0.102734	0.148214
ENSMUSG00000031737	IRX5	-0.50929	0.31217	0.102797	0.148291
ENSMUSG00000095789	NUPR1L	0.675593	0.414174	0.102852	0.148358
ENSMUSG00000021499	CATSPER3	0.776035	0.475811	0.102896	0.148409
ENSMUSG00000005089	SLC1A2	1.029736	0.631423	0.102929	0.148431
ENSMUSG00000010663	FADS1	-0.25272	0.154964	0.102922	0.148431
ENSMUSG00000044350	LACC1	-0.31262	0.191737	0.103	0.148521
ENSMUSG00000015468	NOTCH4	0.221757	0.136019	0.103029	0.14855
ENSMUSG00000073481	Mar-02	0.246652	0.151295	0.103043	0.148558
ENSMUSG00000042129	RASSF4	0.331232	0.203198	0.103082	0.148602
ENSMUSG00000032590	APEH	0.221026	0.13561	0.10313	0.148658
ENSMUSG00000020171	YEATS4	0.219051	0.134415	0.103171	0.148705
ENSMUSG00000024059	CLIP4	-0.63249	0.388228	0.103278	0.148822
ENSMUSG00000041079	RWDD2B	0.247769	0.152084	0.103279	0.148822
ENSMUSG00000094122	RPL31-PS9	1.182184	0.725638	0.103278	0.148822
ENSMUSG00000095042	GM12537	0.491407	0.301672	0.103325	0.148876
ENSMUSG00000003099	PPP5C	-0.18598	0.114244	0.103538	0.149162
ENSMUSG00000087303	LIPO2	-0.50494	0.310173	0.103541	0.149162
ENSMUSG00000048696	MEX3D	0.187003	0.114884	0.103577	0.149201
ENSMUSG00000075132	OLFR1173	0.43837	0.269393	0.103683	0.149342
ENSMUSG00000081648	GM13423	0.576617	0.354362	0.103695	0.149345

ENSMUSG00000023084	LRRC71	-0.6333	0.389281	0.103768	0.149438
ENSMUSG00000024209	1700061G19RI	0.633877	0.389679	0.103808	0.149484
ENSMUSG00000024713	PCSK5	-0.29954	0.184167	0.103852	0.149522
ENSMUSG00000066568	LSM14A	0.136468	0.083904	0.103849	0.149522
ENSMUSG00000027115	KIF18A	0.482869	0.296965	0.103946	0.149644
ENSMUSG00000017950	HNF4A	-0.97397	0.599036	0.103972	0.149668
ENSMUSG00000038206	FBXO8	-0.14058	0.086473	0.104003	0.1497
ENSMUSG000000110298	GM8189	0.755339	0.464624	0.104014	0.149703
ENSMUSG00000036553	SH3TC1	0.271527	0.167033	0.104038	0.149725
ENSMUSG00000039515	PTPA	0.139261	0.085707	0.104196	0.149941
ENSMUSG00000019767	CCDC170	-0.9216	0.567328	0.104279	0.150032
ENSMUSG00000025551	FGF14	-1.26423	0.778283	0.104295	0.150032
ENSMUSG00000052825	GM9892	0.462676	0.284831	0.104294	0.150032
ENSMUSG00000081126	GM15784	0.782069	0.481427	0.104274	0.150032
ENSMUSG00000020346	MGAT1	-0.16287	0.100277	0.10434	0.150084
ENSMUSG00000031465	ANGPT2	0.569085	0.350439	0.104393	0.150147
ENSMUSG00000021418	RPP40	0.310453	0.191197	0.104432	0.15019
ENSMUSG00000082535	GM7860	0.630283	0.388242	0.104498	0.150272
ENSMUSG00000014956	PPP1CB	0.137635	0.08481	0.10462	0.150436
ENSMUSG00000060594	LAYN	0.330581	0.203711	0.104633	0.150442
ENSMUSG00000096237	CT868723.1	-1.46232	0.901703	0.104862	0.150758
ENSMUSG00000029994	ANXA4	0.35121	0.21661	0.104934	0.150848
ENSMUSG00000029464	GPN3	-0.18027	0.111184	0.104944	0.150851
ENSMUSG00000029426	SCARB2	-0.13409	0.082774	0.105233	0.151253
ENSMUSG00000041836	PTPRE	0.218657	0.134987	0.105268	0.15129
ENSMUSG00000042616	OSCP1	-0.38831	0.239911	0.105543	0.151673
ENSMUSG00000021048	MTHFD1	-0.13716	0.084754	0.105579	0.151712
ENSMUSG00000059820	NKAPD1	0.185654	0.114719	0.10559	0.151715
ENSMUSG00000059488	OLFR727	-0.73374	0.453445	0.105631	0.151749
ENSMUSG00000073737	GM10566	0.399528	0.246905	0.105632	0.151749
ENSMUSG00000022895	ETS2	0.22903	0.141593	0.105765	0.151912
ENSMUSG00000041592	SDK2	0.521667	0.322524	0.105781	0.151912
ENSMUSG00000061540	ORM2	0.741831	0.458642	0.105781	0.151912
ENSMUSG00000099517	HIST1H3G	-1.00457	0.621067	0.105771	0.151912
ENSMUSG00000032125	ROBO4	0.420941	0.260287	0.105831	0.151971
ENSMUSG00000007653	GABRB2	-0.74186	0.458743	0.105843	0.151975
ENSMUSG00000025575	CANT1	-0.21372	0.132189	0.105923	0.152077
ENSMUSG00000000399	NDUFA9	0.213462	0.132062	0.106013	0.152173
ENSMUSG00000020818	MFSD11	0.156204	0.096639	0.106014	0.152173
ENSMUSG00000023883	PHF10	0.182072	0.112644	0.106019	0.152173
ENSMUSG00000043850	CLRN1	0.624903	0.386622	0.106026	0.152173
ENSMUSG00000010045	TMEM115	0.193802	0.119916	0.106062	0.152212
ENSMUSG00000027889	AMPD2	0.409999	0.253716	0.1061	0.152254
ENSMUSG00000036199	NDUFA13	0.239987	0.148534	0.106159	0.152326
ENSMUSG00000082778	GM15191	0.661836	0.409729	0.106245	0.152437
ENSMUSG00000032547	RYK	0.139307	0.086249	0.106274	0.152466
ENSMUSG00000048391	OLFR843	-0.87149	0.539631	0.106318	0.152516
ENSMUSG00000027455	NSFL1C	0.135025	0.083617	0.106351	0.15255
ENSMUSG00000001053	N4BP3	0.213627	0.132296	0.106361	0.152552
ENSMUSG00000032323	CYP11A1	0.674572	0.417784	0.106388	0.152577

ENSMUSG00000028344	INVS	-0.25624	0.158741	0.106489	0.152709
ENSMUSG00000039787	CERCAM	0.431743	0.267478	0.1065	0.152712
ENSMUSG00000035062	ZC4H2	-0.44692	0.27701	0.106663	0.15292
ENSMUSG00000063652	SLC22A21	0.439909	0.272658	0.106655	0.15292
ENSMUSG00000041245	WNK3	0.719654	0.446082	0.106684	0.152938
ENSMUSG00000034634	LY6D	0.632603	0.392181	0.106736	0.152986
ENSMUSG00000074735	GM21994	-0.50998	0.316158	0.106733	0.152986
ENSMUSG00000083658	GM15798	-0.628	0.389423	0.106822	0.153096
ENSMUSG00000068947	OLFR366	-0.45478	0.28202	0.106839	0.153107
ENSMUSG00000027524	EDN3	-0.97361	0.603798	0.106857	0.153121
ENSMUSG00000026224	4933407L21RIH	0.872538	0.541168	0.106891	0.153157
ENSMUSG00000019659	CCDC12	0.147314	0.091445	0.107188	0.153556
ENSMUSG00000050747	TRIM15	-0.90281	0.560401	0.107179	0.153556
ENSMUSG00000030711	SULT1A1	-0.30512	0.189439	0.107252	0.153634
ENSMUSG00000033124	ATG9A	-0.13815	0.085778	0.107278	0.153659
ENSMUSG00000015579	NKX2-5	-0.15032	0.093354	0.107355	0.153756
ENSMUSG00000002870	MCM2	-0.31486	0.195577	0.10742	0.153826
ENSMUSG00000004540	PSG17	0.976158	0.60635	0.107422	0.153826
ENSMUSG00000071005	CCL19	0.76307	0.474121	0.10752	0.153954
ENSMUSG00000019943	ATP2B1	-0.13318	0.082791	0.107692	0.154187
ENSMUSG00000070305	MPZL3	0.299739	0.186338	0.10771	0.1542
ENSMUSG00000074165	ZFP788	0.184956	0.115033	0.107867	0.154411
ENSMUSG00000029389	DDX55	-0.21228	0.13204	0.107907	0.154444
ENSMUSG00000038180	SPAG4	-0.5602	0.348454	0.107908	0.154444
ENSMUSG00000028657	PPT1	-0.13429	0.083543	0.107955	0.154499
ENSMUSG00000032840	2410131K14RII	-0.28334	0.176355	0.108131	0.154733
ENSMUSG00000049676	CATSPERG1	-0.40894	0.254534	0.108137	0.154733
ENSMUSG00000018481	APPBP2	0.135381	0.084287	0.10823	0.154853
ENSMUSG00000064080	FBLN2	0.465482	0.289817	0.108247	0.154864
ENSMUSG00000024471	MYOT	-0.82735	0.515238	0.108327	0.154965
ENSMUSG00000009035	TMEM184B	-0.17184	0.10707	0.108504	0.155206
ENSMUSG00000037808	FAM76B	0.234535	0.146183	0.108627	0.155366
ENSMUSG00000054967	ZFP647	-0.52558	0.3276	0.108642	0.155366
ENSMUSG00000075588	HOXB2	-0.37016	0.230726	0.108643	0.155366
ENSMUSG00000040181	FMO1	-0.17022	0.106108	0.108666	0.155377
ENSMUSG00000068917	CLK2	0.152439	0.095025	0.10867	0.155377
ENSMUSG00000042182	BEND6	0.532185	0.331791	0.108719	0.155435
ENSMUSG00000066677	IFI208	-0.4607	0.287289	0.108799	0.155535
ENSMUSG00000063808	GPATCH1	-0.15382	0.095936	0.108857	0.155606
ENSMUSG00000061411	NOL4L	-0.31541	0.196759	0.108926	0.155691
ENSMUSG00000038112	AW551984	0.712589	0.444602	0.108988	0.155767
ENSMUSG00000035836	UGT2B1	-2.15453	1.345482	0.109309	0.156212
ENSMUSG00000054827	CYP2C50	-1.39368	0.870369	0.10932	0.156215
ENSMUSG00000027498	CSTF1	0.156349	0.097687	0.109484	0.156436
ENSMUSG00000028626	COL9A2	-0.81127	0.506945	0.109528	0.156486
ENSMUSG00000043885	SLC36A4	-0.23034	0.14395	0.109571	0.156534
ENSMUSG00000024386	PROC	-1.04965	0.656058	0.109614	0.156582
ENSMUSG00000028969	CDK5	-0.18237	0.114034	0.109765	0.156785
ENSMUSG00000000402	EGFL6	-0.73039	0.456875	0.109897	0.156961
ENSMUSG00000060477	IRAK2	0.370067	0.231892	0.11052	0.157837

ENSMUSG00000026674	DDR2	-0.18599	0.116566	0.11059	0.157924
ENSMUSG00000026080	CHST10	-0.59143	0.370762	0.110674	0.15803
ENSMUSG00000028096	GPR89	0.194172	0.121766	0.110793	0.158187
ENSMUSG00000020193	ZBPB	-0.35805	0.224612	0.110916	0.158349
ENSMUSG00000058976	USP17LC	0.571225	0.358573	0.111149	0.158668
ENSMUSG00000031965	TBX20	0.499431	0.313555	0.111205	0.158735
ENSMUSG00000026736	4930426L09RIH	0.782556	0.49143	0.111294	0.158835
ENSMUSG00000036858	PTCRA	0.771374	0.484397	0.111286	0.158835
ENSMUSG00000028066	PMF1	0.179067	0.112486	0.111406	0.158981
ENSMUSG00000110954	ENSMUSG0000C	2.501071	1.571312	0.11145	0.159031
ENSMUSG00000052406	REXO4	-0.19708	0.123839	0.111519	0.159116
ENSMUSG00000029463	FAM216A	-0.40427	0.254204	0.111764	0.159452
ENSMUSG00000067049	UNC93A	0.852345	0.536005	0.111794	0.159481
ENSMUSG00000006930	HAP1	-0.45254	0.284847	0.112122	0.159936
ENSMUSG00000083238	HSPE1-PS4	0.805931	0.507386	0.112196	0.160028
ENSMUSG00000045980	TMEM104	-0.1713	0.10786	0.11224	0.160078
ENSMUSG00000032435	DYNC1LI1	0.131035	0.082511	0.112267	0.16009
ENSMUSG00000066894	VSIG10	0.205353	0.129306	0.11226	0.16009
ENSMUSG00000035125	GCFC2	-0.32637	0.205538	0.112308	0.160134
ENSMUSG00000074467	GM10702	1.209579	0.761794	0.112331	0.160153
ENSMUSG00000019261	MAP1S	0.218489	0.13761	0.112346	0.160162
ENSMUSG00000098078	GM26992	-1.34752	0.84886	0.112411	0.160241
ENSMUSG00000038738	SHANK1	-0.26249	0.165365	0.11244	0.160268
ENSMUSG00000051736	FAM229B	-0.41797	0.26334	0.112472	0.1603
ENSMUSG00000069041	SLC25A31	-0.68072	0.428942	0.11252	0.160356
ENSMUSG00000054161	FAM83E	-0.79297	0.499779	0.112592	0.160445
ENSMUSG00000091636	AKAIN1	0.945395	0.595878	0.112613	0.160462
ENSMUSG00000047227	GM527	0.302343	0.190583	0.112646	0.160495
ENSMUSG00000002812	FLII	0.136535	0.086076	0.11269	0.160545
ENSMUSG00000028415	SPINK4	0.505857	0.318924	0.112709	0.160557
ENSMUSG00000029992	GFPT1	-0.19861	0.125222	0.112718	0.160557
ENSMUSG00000028945	RHEB	0.135444	0.085412	0.11279	0.160646
ENSMUSG00000000295	HDDC2	0.253457	0.159873	0.112884	0.160766
ENSMUSG00000018537	PCGF2	-0.31511	0.198775	0.112911	0.160791
ENSMUSG00000027395	POLR1B	0.257404	0.162402	0.112969	0.160861
ENSMUSG00000005161	PRDX2	0.220357	0.139041	0.113004	0.160897
ENSMUSG00000073973	OLFR552	0.450259	0.284135	0.113042	0.160938
ENSMUSG00000042942	GREB1L	-0.58097	0.366729	0.113152	0.161081
ENSMUSG00000021303	GNG4	-1.07491	0.678572	0.113175	0.161099
ENSMUSG00000040048	NDUFB10	0.305642	0.192959	0.113201	0.161124
ENSMUSG00000042743	SGTB	0.479859	0.302978	0.113237	0.161161
ENSMUSG00000015656	HSPA8	0.471157	0.297578	0.113352	0.161311
ENSMUSG00000098369	GM2274	-2.35803	1.490268	0.113585	0.161629
ENSMUSG00000022468	ENDOU	-0.23355	0.147619	0.113625	0.161673
ENSMUSG00000037605	ADGRL3	-0.39839	0.251845	0.113674	0.161729
ENSMUSG00000020000	MOXD1	-0.65257	0.412609	0.113748	0.16182
ENSMUSG00000073413	LY6G6D	-0.56881	0.359732	0.113833	0.161928
ENSMUSG00000031785	ADGRG1	0.307959	0.194821	0.11394	0.162041
ENSMUSG00000035378	SHQ1	0.227606	0.143992	0.113951	0.162041
ENSMUSG00000041775	MAPK1IP1	-0.13898	0.087917	0.113932	0.162041

ENSMUSG00000089769	GM16574	-0.26716	0.169018	0.113949	0.162041
ENSMUSG00000048478	SPATA33	0.258494	0.163587	0.114071	0.162198
ENSMUSG00000040761	SPEN	-0.36554	0.23138	0.114142	0.162286
ENSMUSG00000010607	PIGYL	-0.15641	0.099016	0.114181	0.162324
ENSMUSG00000096629	GM3383	-0.57826	0.366069	0.114188	0.162324
ENSMUSG00000034438	GBP8	-0.65194	0.412757	0.114226	0.162364
ENSMUSG00000068876	CGN	0.639766	0.405212	0.114372	0.162559
ENSMUSG00000030131	MUG2	-1.94825	1.234447	0.114512	0.162739
ENSMUSG000000103817	GM6680	-0.75484	0.478291	0.114519	0.162739
ENSMUSG00000031982	ARV1	0.214316	0.135803	0.114534	0.162748
ENSMUSG00000030353	CYP2C29	-1.73746	1.101496	0.114712	0.162987
ENSMUSG00000038370	PCP4L1	0.13473	0.085454	0.11488	0.163212
ENSMUSG00000057554	LGALS8	0.133569	0.084724	0.114907	0.163237
ENSMUSG00000028653	TRIT1	0.191938	0.121752	0.114919	0.16324
ENSMUSG00000025876	UNC5A	-0.44411	0.281763	0.114986	0.163322
ENSMUSG00000090877	HSPA1B	1.913338	1.213971	0.115003	0.163332
ENSMUSG00000054484	TMEM62	0.292561	0.185631	0.115018	0.16334
ENSMUSG00000022962	GART	0.131085	0.083185	0.115065	0.163388
ENSMUSG00000042590	IPO11	0.148079	0.093971	0.115071	0.163388
ENSMUSG00000013353	4931406B18RII	0.737875	0.468908	0.115579	0.164096
ENSMUSG00000068290	DDR GK1	0.138748	0.088221	0.115778	0.164365
ENSMUSG00000040234	TM7SF3	-0.21698	0.137994	0.115861	0.164468
ENSMUSG00000029369	AFM	-1.07786	0.68574	0.115992	0.164641
ENSMUSG000000100922	GM8520	1.007056	0.640747	0.116022	0.16467
ENSMUSG00000037020	WDR62	0.564201	0.359034	0.11608	0.164737
ENSMUSG00000029405	G3BP2	-0.196	0.124731	0.116102	0.164742
ENSMUSG00000041578	CRX	-0.67173	0.42748	0.116097	0.164742
ENSMUSG00000052102	GNPDA1	-0.21331	0.135802	0.116235	0.164916
ENSMUSG00000072582	PTRH2	0.155934	0.099295	0.11632	0.165023
ENSMUSG00000020886	DLG4	-0.66183	0.421516	0.11639	0.165109
ENSMUSG00000024759	ATL3	0.192491	0.122608	0.116422	0.165137
ENSMUSG00000060733	IPMK	0.201706	0.12848	0.11643	0.165137
ENSMUSG00000022529	ZFP263	0.158904	0.101234	0.11649	0.165196
ENSMUSG00000036990	OTUD4	-0.16678	0.10625	0.116483	0.165196
ENSMUSG00000024673	MS4A1	0.581128	0.370384	0.116651	0.165409
ENSMUSG00000006445	EPHA2	0.392555	0.250252	0.116732	0.165511
ENSMUSG00000021037	AHSA1	0.229512	0.146378	0.116895	0.165728
ENSMUSG00000034035	CCDC17	-0.28222	0.180009	0.116932	0.165767
ENSMUSG00000036459	WTIP	0.245427	0.156568	0.116989	0.165833
ENSMUSG00000040749	SIAH1B	-0.22856	0.145827	0.117033	0.165883
ENSMUSG00000031536	POLB	0.264016	0.168545	0.117244	0.166167
ENSMUSG00000026220	SLC16A14	-0.73003	0.466104	0.117292	0.166216
ENSMUSG00000082776	GM7061	0.64849	0.414049	0.117298	0.166216
ENSMUSG00000059981	TAOK2	-0.13766	0.087896	0.11731	0.166219
ENSMUSG00000074405	ZFP865	0.221587	0.141512	0.117383	0.166309
ENSMUSG000000110601	GM45834	-1.57403	1.005276	0.117402	0.166322
ENSMUSG00000026150	MFF	0.132398	0.084616	0.117653	0.166664
ENSMUSG00000057110	CNTRL	0.168569	0.10776	0.117746	0.166781
ENSMUSG00000024665	FADS2	-0.4384	0.280358	0.117886	0.166966
ENSMUSG00000021671	POC5	-0.18531	0.118563	0.118068	0.167209

ENSMUSG00000060679	MRPS9	-0.21391	0.136911	0.118191	0.167371
ENSMUSG00000098428	GM2260	-0.25841	0.165414	0.118244	0.16743
ENSMUSG00000001248	GRAMD1A	-0.278	0.177968	0.118269	0.167452
ENSMUSG00000028278	RRAGD	0.328899	0.210617	0.118384	0.167601
ENSMUSG00000041444	ARHGAP32	0.236704	0.151601	0.11844	0.167666
ENSMUSG00000054690	EMCN	-0.19267	0.123428	0.11853	0.16778
ENSMUSG00000034430	ZXDC	-0.15211	0.097497	0.118722	0.168038
ENSMUSG00000057236	RBBP4	0.136425	0.087452	0.118762	0.16808
ENSMUSG00000073197	5730507C01RII	-0.75278	0.482623	0.118815	0.168141
ENSMUSG00000032556	BFSP2	0.530185	0.340018	0.11893	0.16829
ENSMUSG00000000562	ADORA3	0.40331	0.258738	0.119054	0.168452
ENSMUSG00000051412	VAMP7	-0.17839	0.114481	0.119172	0.168604
ENSMUSG00000007207	STX1A	-0.34379	0.220661	0.119233	0.168677
ENSMUSG00000080888	GM14387	-0.88372	0.567266	0.119266	0.168709
ENSMUSG00000029059	FAM213B	-0.25502	0.163857	0.119623	0.169201
ENSMUSG00000005142	MAN2B1	-0.17189	0.110455	0.119666	0.169247
ENSMUSG00000053977	CD8A	0.405372	0.260516	0.1197	0.169281
ENSMUSG00000021774	UBE2E1	0.144046	0.092594	0.119786	0.169388
ENSMUSG00000024903	LAO1	1.175815	0.755948	0.119847	0.16946
ENSMUSG00000040220	GAS8	-0.15629	0.10052	0.120002	0.169665
ENSMUSG00000020955	AP4S1	0.162663	0.104634	0.120044	0.169711
ENSMUSG00000036599	CHST12	0.342764	0.220515	0.120093	0.169766
ENSMUSG00000036411	9530077C05RII	0.754109	0.485275	0.120189	0.169887
ENSMUSG00000091405	HIST2H4	0.576104	0.370829	0.12029	0.170016
ENSMUSG00000047988	4933428G20RI	0.506484	0.326324	0.120641	0.170492
ENSMUSG00000064280	CCDC146	-0.3613	0.232785	0.120647	0.170492
ENSMUSG00000095427	RPS2-PS6	1.030373	0.663965	0.120698	0.170551
ENSMUSG00000090019	GIMAP1	-0.34936	0.225145	0.120731	0.170582
ENSMUSG00000005677	NR1I3	-0.59141	0.381248	0.120843	0.170727
ENSMUSG00000036912	PIWIL4	0.733062	0.472665	0.120923	0.170825
ENSMUSG00000036257	PNPLA8	0.165313	0.106613	0.121002	0.170923
ENSMUSG000000107892	GM44524	-0.67861	0.437901	0.121216	0.171211
ENSMUSG00000026174	CNOT9	-0.2071	0.133768	0.121572	0.1717
ENSMUSG000000102269	GM7357	-0.73255	0.473466	0.121811	0.172023
ENSMUSG00000027075	SLC43A1	-0.35857	0.231793	0.12188	0.172106
ENSMUSG00000082262	GM14730	0.892974	0.577299	0.121908	0.172132
ENSMUSG00000078995	ZFP456	-0.42767	0.276495	0.121922	0.172137
ENSMUSG00000054648	ZFP869	0.17206	0.111128	0.122058	0.172314
ENSMUSG00000036390	GADD45A	0.578451	0.374125	0.12207	0.172316
ENSMUSG00000029050	SKI	-0.12775	0.082652	0.122189	0.172471
ENSMUSG00000001228	UHRF1	0.898126	0.581182	0.122263	0.172561
ENSMUSG00000021668	POLK	-0.20816	0.134711	0.122294	0.172591
ENSMUSG00000041974	SPIDR	0.292216	0.189123	0.122319	0.172611
ENSMUSG00000049504	PROSER1	-0.18023	0.116653	0.122334	0.172618
ENSMUSG00000016128	STARD13	-0.22608	0.14635	0.122397	0.172692
ENSMUSG00000041020	MAP7D2	-0.57914	0.375018	0.122517	0.172847
ENSMUSG00000045962	WNK1	0.129819	0.084086	0.122614	0.172955
ENSMUSG00000058135	GSTM1	-0.24766	0.160408	0.12261	0.172955
ENSMUSG00000032295	MAN2C1	-0.14411	0.093349	0.122639	0.172976
ENSMUSG00000072623	ZFP9	-0.20292	0.131517	0.122856	0.173268

ENSMUSG00000021127	ZFP36L1	-0.171	0.110834	0.122879	0.173285
ENSMUSG00000006010	ODR4	-0.14554	0.094338	0.122896	0.173295
ENSMUSG00000026798	COQ4	-0.17092	0.110823	0.123006	0.173426
ENSMUSG00000059482	2610301B20RII	-0.25375	0.164531	0.123009	0.173426
ENSMUSG00000040621	GEMIN8	0.273641	0.177445	0.123044	0.173462
ENSMUSG00000029516	CIT	-0.68569	0.44494	0.123297	0.173803
ENSMUSG00000033701	ACBD6	0.229731	0.149076	0.123307	0.173803
ENSMUSG00000031125	3830403N18RI	0.828553	0.537857	0.123446	0.173984
ENSMUSG00000062822	4833420G17RI	0.44943	0.291798	0.12351	0.174045
ENSMUSG00000097327	E030030I06RIK	0.31471	0.204325	0.123501	0.174045
ENSMUSG00000020614	FAM20A	-0.3143	0.204083	0.123543	0.174078
ENSMUSG00000072704	SMIM10L1	-0.13194	0.085677	0.12358	0.174116
ENSMUSG00000035547	CAPN5	-0.76746	0.498653	0.123791	0.174398
ENSMUSG00000052748	SWT1	0.379242	0.246438	0.12383	0.174439
ENSMUSG00000027822	SLC33A1	-0.15622	0.101517	0.123851	0.174443
ENSMUSG00000052426	GM9877	0.68564	0.445568	0.123854	0.174443
ENSMUSG00000039000	UBE3C	0.128692	0.083648	0.123925	0.174525
ENSMUSG00000042684	NPL	0.376629	0.244807	0.123933	0.174525
ENSMUSG00000014547	WDFY2	0.297194	0.193281	0.12414	0.174774
ENSMUSG00000037466	TEDC1	0.898417	0.584269	0.124127	0.174774
ENSMUSG00000085521	4930526A20RII	0.820459	0.53358	0.124135	0.174774
ENSMUSG00000041037	IRGQ	-0.12907	0.08396	0.124219	0.174871
ENSMUSG00000022184	FBXO4	0.235198	0.153011	0.124261	0.174915
ENSMUSG00000021302	GGPS1	0.218234	0.142003	0.124338	0.175009
ENSMUSG00000066538	GM6254	1.303671	0.848452	0.124409	0.175094
ENSMUSG00000039934	GSAP	0.371188	0.241677	0.124567	0.175303
ENSMUSG00000029125	STX18	0.164843	0.107387	0.124776	0.175582
ENSMUSG00000023348	TRIP6	-0.20872	0.135979	0.124801	0.175602
ENSMUSG00000024639	GNAQ	-0.19844	0.129353	0.125014	0.175887
ENSMUSG00000022113	TRIM52	0.468032	0.305148	0.125083	0.17597
ENSMUSG00000009588	ST6GALNAC1	-1.36259	0.88887	0.125288	0.176215
ENSMUSG00000026553	COPA	-0.12655	0.082555	0.125288	0.176215
ENSMUSG000000106028	GM8493	0.761098	0.49648	0.125279	0.176215
ENSMUSG00000057770	OLFR668	-0.87509	0.571222	0.125531	0.176543
ENSMUSG00000059049	FREM1	-0.83143	0.542913	0.125667	0.176718
ENSMUSG00000030867	PLK1	0.837435	0.546942	0.125739	0.176805
ENSMUSG00000036893	EHMT1	-0.19561	0.127768	0.125768	0.176831
ENSMUSG00000019935	SLC17A8	-0.51413	0.335889	0.125855	0.176928
ENSMUSG00000027833	SHOX2	-0.70667	0.461681	0.125858	0.176928
ENSMUSG00000026121	SEMA4C	0.561145	0.366639	0.12589	0.176959
ENSMUSG00000018583	G3BP1	0.189682	0.123949	0.125937	0.177011
ENSMUSG00000062758	GM16477	1.339095	0.875126	0.125974	0.177047
ENSMUSG00000035310	LIN54	0.403182	0.26368	0.126251	0.177422
ENSMUSG00000022868	AHSG	-1.04873	0.686409	0.126551	0.177829
ENSMUSG00000037653	KCTD8	-0.60247	0.394623	0.126839	0.178219
ENSMUSG00000028186	UOX	-1.28568	0.842187	0.126862	0.178237
ENSMUSG00000079015	SERPINA1C	-1.26556	0.829087	0.126899	0.178274
ENSMUSG00000003662	CIAO1	0.185612	0.121619	0.126964	0.178351
ENSMUSG00000032221	MNS1	-0.71724	0.470288	0.127231	0.178711
ENSMUSG00000029729	ZKSCAN1	-0.14297	0.093776	0.127353	0.178867

ENSMUSG00000036957	LRFN3	-0.41085	0.269538	0.127437	0.178971
ENSMUSG00000038175	MYLIP	0.148259	0.097301	0.127582	0.179159
ENSMUSG00000070699	SARS2	-0.15041	0.098729	0.127651	0.179241
ENSMUSG00000023791	PIGX	-0.18752	0.123123	0.127746	0.17936
ENSMUSG00000027478	DNMT3B	-0.30899	0.202882	0.127757	0.179361
ENSMUSG00000032316	CLK3	-0.13821	0.090802	0.127974	0.179636
ENSMUSG00000050737	PTGES	0.512009	0.336368	0.127967	0.179636
ENSMUSG00000028011	TDO2	-0.8974	0.589627	0.128014	0.179676
ENSMUSG00000028845	TEKT2	-0.45712	0.300373	0.128051	0.179714
ENSMUSG00000004612	NKG7	0.859812	0.565186	0.128187	0.17989
ENSMUSG00000019998	STX7	-0.12727	0.083678	0.128263	0.179982
ENSMUSG00000055963	TRIQK	0.252653	0.166246	0.128572	0.1804
ENSMUSG00000038718	PBX3	-0.20617	0.135723	0.128746	0.18063
ENSMUSG00000024533	SPIRE1	0.176536	0.116256	0.128887	0.180812
ENSMUSG00000025658	CNKSR2	-0.63921	0.420982	0.12892	0.180843
ENSMUSG00000042289	HSD3B7	-0.23058	0.151904	0.129031	0.180984
ENSMUSG00000024740	DDB1	-0.12805	0.084368	0.129079	0.181037
ENSMUSG00000076617	IGHM	-0.2012	0.132576	0.129108	0.181062
ENSMUSG00000021959	LATS2	0.168966	0.111342	0.129129	0.181077
ENSMUSG00000011178	ENSMUSG0000C	-0.83165	0.548231	0.129272	0.181263
ENSMUSG00000028051	HCN3	-0.87916	0.579818	0.129449	0.181496
ENSMUSG000000091227	GM3755	0.851591	0.561759	0.129536	0.181602
ENSMUSG00000032312	CSK	0.198635	0.131036	0.129549	0.181606
ENSMUSG00000041954	TNFRSF18	-0.30598	0.201915	0.129674	0.181752
ENSMUSG00000042453	RELN	-0.45907	0.302938	0.129671	0.181752
ENSMUSG00000037134	PRMT9	0.146441	0.096644	0.129708	0.181783
ENSMUSG00000008682	RPL10	0.272696	0.179993	0.129762	0.181845
ENSMUSG00000048776	PTHLH	-0.59781	0.39466	0.129839	0.181937
ENSMUSG00000033287	KCTD17	0.220374	0.145589	0.13011	0.182302
ENSMUSG00000031864	INTS10	-0.13211	0.087286	0.13016	0.182357
ENSMUSG00000034997	HTR2A	-0.32494	0.214759	0.130271	0.182497
ENSMUSG00000057778	CYB5D2	0.189644	0.125349	0.130299	0.182522
ENSMUSG00000055088	OLFR354	-0.43756	0.289299	0.130414	0.182668
ENSMUSG00000032246	CALML4	0.725251	0.479852	0.130686	0.183033
ENSMUSG00000090291	LRRC10B	-0.52947	0.350443	0.130827	0.183217
ENSMUSG00000032011	THY1	-0.2298	0.152125	0.130883	0.18328
ENSMUSG00000050555	HYLS1	-0.24674	0.163348	0.130907	0.183298
ENSMUSG00000058290	ESPL1	0.460195	0.304691	0.130949	0.183342
ENSMUSG00000045078	RNF216	-0.14105	0.093431	0.131119	0.183565
ENSMUSG00000021356	IRF4	-0.49589	0.328562	0.13123	0.183705
ENSMUSG00000093866	OLFR802	-0.39	0.2585	0.131371	0.183888
ENSMUSG00000096688	MUP17	-0.93862	0.622428	0.131557	0.184132
ENSMUSG00000049630	C1QL3	-0.71494	0.474197	0.131635	0.184212
ENSMUSG00000081228	GM16089	0.50103	0.332318	0.131636	0.184212
ENSMUSG00000063334	KRR1	0.136255	0.090396	0.131728	0.184325
ENSMUSG00000003410	ELAVL3	0.639502	0.424288	0.13175	0.18433
ENSMUSG00000076432	YWHAQ	-0.12581	0.083475	0.131753	0.18433
ENSMUSG00000034868	MYL12B	0.356947	0.236856	0.131805	0.184388
ENSMUSG00000021130	GALNT16	0.293	0.19449	0.131939	0.18456
ENSMUSG00000041703	ZIC5	-0.71536	0.474956	0.132023	0.184657

ENSMUSG00000050600	ZFP831	0.772804	0.513101	0.13203	0.184657
ENSMUSG00000043384	GPRASP1	0.202409	0.134403	0.13207	0.184698
ENSMUSG00000027296	ITPKA	-0.7711	0.512177	0.132188	0.184822
ENSMUSG00000029191	RFC1	-0.21988	0.146047	0.132188	0.184822
ENSMUSG00000032892	RANGRF	-0.19806	0.131557	0.132192	0.184822
ENSMUSG00000029802	ABCG2	0.210805	0.140085	0.132366	0.185051
ENSMUSG00000072941	SOD3	-0.2268	0.150734	0.132414	0.185103
ENSMUSG00000021279	CDC42BPB	-0.1244	0.082683	0.132446	0.185132
ENSMUSG00000036887	C1QA	0.23025	0.15305	0.132476	0.185147
ENSMUSG00000055424	GM9970	-0.79911	0.53118	0.132479	0.185147
ENSMUSG00000029017	PMPCB	0.152644	0.101493	0.132586	0.185282
ENSMUSG00000054206	GZMM	-0.28817	0.191652	0.132675	0.185391
ENSMUSG00000024576	CSNK1A1	0.126925	0.084491	0.133036	0.18588
ENSMUSG00000064356	MT-ATP8	-0.27358	0.182123	0.133056	0.185893
ENSMUSG00000058579	CELA2A	-0.72815	0.484966	0.133242	0.186137
ENSMUSG00000034867	ANKRD27	-0.2332	0.155352	0.133322	0.186233
ENSMUSG00000031562	DCTD	-0.35555	0.236986	0.133537	0.186518
ENSMUSG00000025986	SLC39A10	0.205448	0.136995	0.133699	0.18673
ENSMUSG00000031478	NEK3	0.376936	0.251359	0.133721	0.186745
ENSMUSG00000029145	EIF2B4	0.211409	0.140986	0.133743	0.186761
ENSMUSG00000014303	GLIS2	-0.31016	0.206859	0.133778	0.186777
ENSMUSG00000025479	CYP2E1	-0.92727	0.618437	0.133776	0.186777
ENSMUSG00000038604	RIPOR1	-0.12381	0.08258	0.133788	0.186777
ENSMUSG00000033502	CDC14A	-0.31445	0.20976	0.133854	0.186854
ENSMUSG00000029671	WNT16	0.804971	0.537045	0.133902	0.186906
ENSMUSG00000035337	UCHL4	0.733776	0.48958	0.133929	0.186928
ENSMUSG00000022701	CCDC191	-0.27747	0.185183	0.13404	0.187067
ENSMUSG00000051169	RPUSD3	-0.23332	0.155754	0.134135	0.187184
ENSMUSG00000003581	RNF215	-0.17578	0.117374	0.13424	0.187316
ENSMUSG00000095687	RNASET2A	-0.45098	0.301151	0.134262	0.187331
ENSMUSG00000038552	FNDC4	-0.30595	0.204335	0.134317	0.187392
ENSMUSG00000057789	BAK1	0.287548	0.192069	0.134365	0.187445
ENSMUSG00000091971	HSPA1A	1.437062	0.961078	0.134846	0.1881
ENSMUSG00000079109	PMS2	0.262624	0.17565	0.134873	0.188122
ENSMUSG00000030670	CYP2R1	-0.62846	0.420386	0.134924	0.188178
ENSMUSG00000027649	CTNBL1	0.2078	0.139037	0.135027	0.188307
ENSMUSG00000078776	9530053A07RI	0.711558	0.47613	0.135055	0.18833
ENSMUSG00000025225	NFKB2	0.28634	0.191642	0.135139	0.188431
ENSMUSG00000030530	FURIN	-0.1265	0.084686	0.135239	0.188555
ENSMUSG00000004542	PSG19	-0.51401	0.344132	0.135267	0.188563
ENSMUSG00000074061	FBXW19	0.516132	0.345551	0.135267	0.188563
ENSMUSG00000048661	LEMD3	0.138186	0.092527	0.135313	0.188611
ENSMUSG00000094856	GM21962	-1.78496	1.195566	0.135441	0.188775
ENSMUSG00000042379	ESM1	-0.54244	0.363403	0.135526	0.188877
ENSMUSG00000026018	ICA1L	0.772836	0.517895	0.135629	0.189006
ENSMUSG00000024575	PDE6A	0.683119	0.457796	0.135649	0.189018
ENSMUSG00000023032	SLC4A8	0.419393	0.281166	0.1358	0.189212
ENSMUSG00000037386	RIMS2	0.615244	0.412759	0.136076	0.189574
ENSMUSG00000050558	PROKR2	0.392195	0.263122	0.136082	0.189574
ENSMUSG00000040481	BPTF	0.238207	0.159833	0.136134	0.189631

ENSMUSG00000055216	9430025C20RII	0.484644	0.325466	0.136467	0.19008
ENSMUSG00000023064	SNCG	-0.47826	0.321215	0.13651	0.190125
ENSMUSG00000023159	PSG29	0.782759	0.525763	0.136539	0.190149
ENSMUSG00000076937	IGLC2	1.239553	0.832812	0.136647	0.190284
ENSMUSG00000074384	AI429214	0.564658	0.379394	0.136668	0.190297
ENSMUSG00000032915	ADGRE4	0.436236	0.293206	0.1368	0.19045
ENSMUSG00000035367	RMI1	0.141913	0.095382	0.136794	0.19045
ENSMUSG00000001285	MYG1	0.157999	0.106229	0.136926	0.19061
ENSMUSG00000039208	METRNL	0.265982	0.17885	0.136968	0.190652
ENSMUSG00000020949	FKBP3	0.171181	0.11511	0.136987	0.190663
ENSMUSG00000082985	GM14042	0.791621	0.532414	0.137054	0.190741
ENSMUSG00000051940	5031410I06RIK	-1.47276	0.990618	0.137093	0.19078
ENSMUSG00000031312	ITGB1BP2	0.143869	0.096794	0.137192	0.190902
ENSMUSG00000029032	ARHGEF16	-0.70685	0.475824	0.137405	0.191182
ENSMUSG00000092097	GM5819	0.773361	0.520838	0.137587	0.191419
ENSMUSG00000027281	SLX4IP	0.287116	0.193376	0.137607	0.191433
ENSMUSG00000029016	CLCN6	0.151665	0.102184	0.137746	0.19161
ENSMUSG00000020167	TCF3	-0.22184	0.1495	0.137834	0.191716
ENSMUSG00000031921	TERF2	0.145634	0.098207	0.138092	0.192045
ENSMUSG00000052584	SERP2	0.770428	0.519524	0.138088	0.192045
ENSMUSG00000003458	NCSTN	0.124624	0.084102	0.138387	0.192345
ENSMUSG00000028348	CAVIN4	0.129274	0.087231	0.138346	0.192345
ENSMUSG00000032845	ALPK2	-0.35641	0.240504	0.138361	0.192345
ENSMUSG00000042804	GPR153	-0.22894	0.154501	0.138384	0.192345
ENSMUSG00000048222	MFAP1B	-0.14484	0.09773	0.138338	0.192345
ENSMUSG00000084131	RPL3-PS2	0.908104	0.612796	0.138366	0.192345
ENSMUSG00000095588	GM12350	0.849628	0.573367	0.138388	0.192345
ENSMUSG00000073795	6430531B16RII	0.47758	0.322335	0.13844	0.192402
ENSMUSG00000032480	DHX30	0.318723	0.215145	0.138491	0.192457
ENSMUSG00000024593	MEGF10	-0.58841	0.397403	0.138702	0.192735
ENSMUSG00000028878	FAM76A	-0.13959	0.094313	0.138859	0.192937
ENSMUSG00000051037	ZFP455	-0.37084	0.250613	0.138949	0.193045
ENSMUSG00000022386	TRMU	-0.17278	0.116818	0.139133	0.193254
ENSMUSG00000063524	ENO1	0.122438	0.082782	0.139129	0.193254
ENSMUSG00000090996	GM20458	-0.99147	0.670323	0.139116	0.193254
ENSMUSG00000051786	TUBGCP6	0.218634	0.147884	0.139296	0.193465
ENSMUSG00000031751	AMFR	0.12975	0.087766	0.139311	0.19347
ENSMUSG00000030359	PZP	-0.66571	0.450611	0.139584	0.193802
ENSMUSG00000014074	RNF168	-0.28006	0.18958	0.139602	0.19381
ENSMUSG00000074500	ZFP558	-0.4029	0.272988	0.139978	0.194317
ENSMUSG00000043144	AQP6	-1.24027	0.840411	0.14	0.194332
ENSMUSG00000090935	SYNJ2BP	0.181265	0.12286	0.140111	0.194469
ENSMUSG00000071177	SERPINA1D	-1.23387	0.836331	0.140123	0.19447
ENSMUSG00000015776	MED22	0.149329	0.101227	0.140159	0.194504
ENSMUSG00000026696	VAMP4	-0.15087	0.102277	0.140181	0.194518
ENSMUSG00000033792	ATP7A	0.209053	0.141789	0.140375	0.194772
ENSMUSG00000079162	TRIM43B	-0.73923	0.501581	0.140535	0.194978
ENSMUSG00000050910	CDR2L	0.239309	0.162408	0.140616	0.195074
ENSMUSG00000038271	IFFO1	-0.18108	0.122955	0.140815	0.195334
ENSMUSG00000025227	MFS13A	-0.256	0.173893	0.140971	0.195536

ENSMUSG00000043099	HIC1	-0.31944	0.217069	0.141126	0.195734
ENSMUSG00000027868	TBX15	0.550009	0.373779	0.14116	0.195766
ENSMUSG00000059923	GRB2	0.129155	0.087833	0.141435	0.196131
ENSMUSG00000000085	SCMH1	-0.16628	0.113088	0.141469	0.196161
ENSMUSG00000008035	MID1IP1	-0.583	0.396601	0.141566	0.196281
ENSMUSG00000091811	INAFM1	0.196764	0.13386	0.141582	0.196286
ENSMUSG00000025060	SLK	-0.1285	0.08743	0.14163	0.196337
ENSMUSG00000025862	STAG2	0.139427	0.094932	0.141913	0.196698
ENSMUSG00000029924	SLC37A3	0.209045	0.142338	0.141925	0.196698
ENSMUSG00000071176	ARHGEF10	-0.20776	0.141463	0.141918	0.196698
ENSMUSG00000028047	THBS3	0.249366	0.169912	0.142207	0.197059
ENSMUSG00000033712	CCAR2	0.124966	0.08515	0.142215	0.197059
ENSMUSG00000038658	RIC1	-0.1468	0.100031	0.142221	0.197059
ENSMUSG00000027463	SLC52A3	0.282262	0.192376	0.14231	0.197167
ENSMUSG00000001942	SIAE	-0.33452	0.228021	0.142365	0.197227
ENSMUSG00000078495	ZFP984	-0.18289	0.124694	0.142454	0.197335
ENSMUSG00000052776	OAS1A	0.216929	0.147915	0.142491	0.19737
ENSMUSG00000027263	TUBGCP4	-0.19338	0.131871	0.142536	0.197415
ENSMUSG00000110275	GM5905	0.56935	0.388298	0.142575	0.197453
ENSMUSG00000037573	TOB1	0.223672	0.152609	0.142742	0.197669
ENSMUSG00000041187	PRKD2	-0.18525	0.126492	0.143056	0.198087
ENSMUSG00000000093	TBX2	-0.30769	0.210116	0.143092	0.198111
ENSMUSG00000042390	GATAD2B	0.140844	0.096182	0.143096	0.198111
ENSMUSG00000018363	SMURF2	-0.13239	0.090434	0.143218	0.198245
ENSMUSG00000033634	NAT8F2	-1.30367	0.890516	0.143206	0.198245
ENSMUSG00000051728	FAM243	-1.11894	0.764367	0.143228	0.198245
ENSMUSG00000034037	FGD5	-0.27168	0.185608	0.143264	0.198278
ENSMUSG00000028909	PTPRU	-0.52298	0.357303	0.143283	0.198289
ENSMUSG00000035078	MTMR9	0.202336	0.138246	0.143306	0.198304
ENSMUSG00000047631	APOF	0.627621	0.42888	0.143359	0.198362
ENSMUSG00000052099	PRSS51	-0.64189	0.438769	0.143484	0.198518
ENSMUSG00000021478	DRD1	0.560895	0.383485	0.143569	0.19862
ENSMUSG00000021500	DDX46	0.198242	0.135557	0.143625	0.198681
ENSMUSG00000020105	LRIG3	-0.31912	0.218275	0.143741	0.198825
ENSMUSG00000044224	DNAJC21	0.14546	0.099502	0.143774	0.198855
ENSMUSG00000093930	HMGCS1	-0.18026	0.123313	0.143796	0.198869
ENSMUSG00000062991	NRG1	0.879536	0.601802	0.143877	0.198965
ENSMUSG00000046613	VWA5B2	0.704787	0.482558	0.144147	0.199321
ENSMUSG00000041623	D11WSU47E	-0.1818	0.124487	0.144181	0.199352
ENSMUSG00000082922	GM6939	-0.46724	0.320024	0.144286	0.199482
ENSMUSG00000027220	SYT13	-0.59621	0.408439	0.144366	0.199575
ENSMUSG00000022178	AJUBA	0.176491	0.120934	0.144455	0.199678
ENSMUSG00000046380	JRK	0.204894	0.140399	0.144463	0.199678
ENSMUSG00000078673	MUP19	-1.1496	0.788062	0.144628	0.199889
ENSMUSG00000027996	SFRP2	-0.97603	0.669121	0.144655	0.19991
ENSMUSG00000037071	SCD1	-0.32799	0.224866	0.144671	0.199916
ENSMUSG00000003721	INSIG2	0.152771	0.104752	0.144728	0.199962
ENSMUSG00000059775	RPS26-PS1	0.753476	0.516641	0.144727	0.199962
ENSMUSG00000025352	GDF11	-0.27077	0.185712	0.144843	0.200105
ENSMUSG00000022181	C6	-0.65598	0.449982	0.144898	0.200165

ENSMUSG00000027667	ZFP639	0.150405	0.10318	0.144925	0.200186
ENSMUSG00000030223	PTPRO	0.390983	0.268232	0.144942	0.200193
ENSMUSG00000034108	CCS	-0.13803	0.094734	0.14512	0.200423
ENSMUSG00000067156	GM7337	-0.75021	0.514941	0.145146	0.200442
ENSMUSG00000035051	DHX57	-0.14977	0.102853	0.145359	0.20072
ENSMUSG00000089886	GM16184	-0.48628	0.33398	0.145388	0.200744
ENSMUSG00000020280	PUS10	-0.26306	0.180769	0.145613	0.201038
ENSMUSG00000020522	MFAP3	-0.21066	0.144765	0.145626	0.20104
ENSMUSG00000031388	NAA10	0.196285	0.134963	0.145847	0.201328
ENSMUSG00000032560	DNAJC13	0.183608	0.126285	0.145969	0.201481
ENSMUSG00000026259	NGEF	1.184394	0.814714	0.146015	0.201527
ENSMUSG00000020156	MUM1	-0.1787	0.122929	0.14603	0.201532
ENSMUSG00000024055	CYP4F13	0.16397	0.112904	0.146418	0.202045
ENSMUSG00000084274	GM12504	1.033015	0.711309	0.146426	0.202045
ENSMUSG00000045071	E130308A19RII	0.334227	0.23015	0.146443	0.202052
ENSMUSG00000058114	OLFR127	0.494636	0.340622	0.146458	0.202057
ENSMUSG00000063047	ZFP780B	-0.16578	0.114176	0.146505	0.202106
ENSMUSG00000026088	MITD1	0.227594	0.156785	0.146603	0.202224
ENSMUSG00000022108	ITM2B	-0.14667	0.101052	0.14665	0.202272
ENSMUSG00000061374	FIZ1	0.142878	0.098441	0.146666	0.202278
ENSMUSG00000048960	PREX2	-0.21194	0.146049	0.146729	0.202349
ENSMUSG00000024603	DCTN4	-0.12038	0.082982	0.14688	0.202539
ENSMUSG00000050944	EFCAB5	0.411978	0.284485	0.147574	0.203481
ENSMUSG00000043019	EDEM3	0.225622	0.155839	0.147677	0.203605
ENSMUSG00000096289	OLFR1484	0.549388	0.379603	0.147822	0.203789
ENSMUSG00000052364	B630019K06RII	-0.36831	0.254664	0.14811	0.204169
ENSMUSG00000058163	GM5431	-0.31772	0.21971	0.148151	0.204206
ENSMUSG00000095567	NOC2L	0.22234	0.153755	0.14816	0.204206
ENSMUSG00000092192	DYX1C1	-0.34662	0.239717	0.148192	0.204233
ENSMUSG00000078580	E430018J23RIK	-0.22246	0.153873	0.14825	0.204296
ENSMUSG00000079259	TRIM71	-0.83682	0.578991	0.148369	0.204444
ENSMUSG00000022515	ANKS3	0.138934	0.096188	0.148624	0.204778
ENSMUSG00000020642	RNF144A	-0.18508	0.12818	0.148757	0.204929
ENSMUSG00000046881	OLFR374	0.293273	0.203103	0.14875	0.204929
ENSMUSG00000007682	DIO2	0.516773	0.357941	0.148813	0.204972
ENSMUSG00000020524	GRIA1	-0.83106	0.57563	0.14881	0.204972
ENSMUSG00000097487	PTGES3L	0.139781	0.096823	0.148832	0.204982
ENSMUSG00000033949	TRIM36	-0.3037	0.210409	0.148914	0.205079
ENSMUSG00000037224	ZFYVE28	-0.39049	0.270631	0.149047	0.205245
ENSMUSG00000030722	NFATC2IP	0.28045	0.19438	0.149079	0.205255
ENSMUSG00000057101	ZFP180	-0.13408	0.092931	0.149068	0.205255
ENSMUSG00000028238	ATP6V0D2	0.646129	0.447911	0.149151	0.205338
ENSMUSG00000064138	FAM172A	-0.14589	0.101143	0.14918	0.205362
ENSMUSG00000029012	ORC5	-0.16221	0.112483	0.149266	0.205464
ENSMUSG00000032309	FBXO22	-0.12557	0.087107	0.149414	0.20565
ENSMUSG00000020441	2310033P09RII	0.160945	0.111655	0.149457	0.205677
ENSMUSG00000041720	PI4KA	0.203385	0.141094	0.149446	0.205677
ENSMUSG00000029326	ENOPH1	-0.18882	0.131035	0.14958	0.205828
ENSMUSG00000037727	AVP	2.409253	1.672099	0.149626	0.205875
ENSMUSG00000018574	ACADVL	0.205484	0.142621	0.14965	0.205892

ENSMUSG00000094595	FSBP	-0.289	0.200595	0.149672	0.205906
ENSMUSG00000018593	SPARC	0.303698	0.210837	0.149742	0.205985
ENSMUSG00000084329	GM6733	0.800129	0.555618	0.149847	0.206113
ENSMUSG00000028884	RPA2	0.179403	0.124615	0.149963	0.206255
ENSMUSG00000079388	2610042L04RIH	0.808734	0.561789	0.14999	0.206275
ENSMUSG000000107822	OLFR1358	-0.7555	0.524845	0.150015	0.206294
ENSMUSG00000027677	TTC14	-0.1788	0.124225	0.150067	0.206332
ENSMUSG00000030965	ABRAXAS2	0.128465	0.089253	0.150057	0.206332
ENSMUSG00000024653	SCGB1A1	2.247913	1.562597	0.150271	0.206595
ENSMUSG00000095648	GM2004	-0.75267	0.523562	0.150549	0.206961
ENSMUSG00000039621	PREX1	0.241327	0.167888	0.150596	0.207009
ENSMUSG00000038212	MFSD14B	-0.13565	0.094377	0.150625	0.207015
ENSMUSG00000091478	GM10039	0.833586	0.579943	0.150616	0.207015
ENSMUSG00000023755	RHEBL1	-0.2562	0.178323	0.150793	0.207229
ENSMUSG00000003527	ESS2	0.142139	0.098942	0.150836	0.207272
ENSMUSG00000038151	PRDM1	-0.3105	0.216145	0.150854	0.20728
ENSMUSG00000022664	SLC35A5	0.237747	0.165516	0.150889	0.20731
ENSMUSG00000014503	PKD2L2	-0.21848	0.152113	0.150921	0.207338
ENSMUSG00000030041	M1AP	0.742879	0.517256	0.150947	0.207357
ENSMUSG00000029838	PTN	-0.797	0.555019	0.151006	0.207421
ENSMUSG00000020483	DYNLL2	-0.21318	0.148507	0.151151	0.207604
ENSMUSG00000065968	IFITM7	0.605165	0.421592	0.151164	0.207605
ENSMUSG00000027374	MRPS5	-0.14459	0.100749	0.151237	0.207688
ENSMUSG00000078636	GM7336	0.208826	0.145522	0.151283	0.207734
ENSMUSG00000026878	RAB14	-0.12411	0.086511	0.151382	0.207854
ENSMUSG00000098374	GM28043	-0.14642	0.102074	0.151449	0.207929
ENSMUSG00000018677	SLC25A39	0.118217	0.082424	0.151499	0.207981
ENSMUSG00000032179	BMP5	-0.41353	0.288452	0.151677	0.208198
ENSMUSG00000042686	JPH1	-0.22729	0.158545	0.151682	0.208198
ENSMUSG00000074476	SPC24	-0.27421	0.191334	0.151819	0.208369
ENSMUSG00000020936	NMT1	0.134494	0.093876	0.15195	0.208533
ENSMUSG000000105150	GM43615	0.630507	0.44075	0.152564	0.209358
ENSMUSG00000031480	THSD1	0.185964	0.130076	0.152818	0.209689
ENSMUSG00000039715	WDR34	-0.25763	0.1803	0.153027	0.20996
ENSMUSG00000020411	NIPAL4	0.856749	0.599713	0.153119	0.210069
ENSMUSG00000071661	ZBTB3	-0.32999	0.230995	0.153131	0.210069
ENSMUSG00000049280	OLFR509	0.42639	0.298672	0.153402	0.210423
ENSMUSG00000045733	SPRN	-0.90674	0.635344	0.153531	0.210583
ENSMUSG00000004961	SYT5	0.653696	0.458059	0.153551	0.210593
ENSMUSG00000007944	TTC9B	1.015835	0.711947	0.153626	0.210679
ENSMUSG00000004562	ARHGEF40	0.231376	0.162193	0.153709	0.210775
ENSMUSG00000071669	SNX29	0.219307	0.153739	0.153727	0.210783
ENSMUSG00000020534	SHMT1	-0.28376	0.199038	0.153969	0.211098
ENSMUSG00000092416	ZFP141	0.269307	0.188933	0.154039	0.211176
ENSMUSG00000034906	NCAPH	0.652998	0.458168	0.154089	0.211229
ENSMUSG00000014767	TBP	0.182575	0.128117	0.154139	0.211263
ENSMUSG00000025823	PDIA4	-0.28537	0.200249	0.154136	0.211263
ENSMUSG00000001166	OAS1C	0.547058	0.38408	0.154349	0.211534
ENSMUSG00000034762	GLIS1	-0.76669	0.538304	0.154368	0.211543
ENSMUSG00000026509	CAPN2	-0.14441	0.101438	0.154546	0.21177

ENSMUSG00000036223	SKA1	0.935022	0.656882	0.154613	0.211844
ENSMUSG000000107951	GM6210	0.486353	0.341693	0.154631	0.211852
ENSMUSG000000084845	TMEM240	-0.53634	0.376876	0.154701	0.211931
ENSMUSG000000054626	XLR	0.463685	0.326008	0.154935	0.212234
ENSMUSG000000079428	TCEAL7	0.636635	0.447658	0.154984	0.212284
ENSMUSG000000097656	GM26712	-0.25222	0.177382	0.155063	0.212375
ENSMUSG000000050973	GDPGP1	-0.24808	0.174692	0.155579	0.213065
ENSMUSG000000026005	RPE	-0.20251	0.142645	0.155711	0.213229
ENSMUSG000000051648	KCTD19	-0.75826	0.534184	0.155763	0.213282
ENSMUSG000000026941	MAMDC4	-0.5021	0.35383	0.155885	0.213432
ENSMUSG000000039782	CPEB2	0.207729	0.146433	0.156019	0.213598
ENSMUSG000000040569	SLC26A7	0.559168	0.394203	0.156051	0.213626
ENSMUSG000000024990	RBP4	-0.8145	0.574389	0.156183	0.213788
ENSMUSG000000022109	MED4	0.125523	0.088539	0.156274	0.213896
ENSMUSG000000024210	IP6K3	-0.23203	0.163674	0.156297	0.213911
ENSMUSG000000038742	ANGPTL6	-0.70939	0.500686	0.156531	0.214213
ENSMUSG000000051220	ERCC6L	0.336526	0.237559	0.1566	0.214291
ENSMUSG000000035211	XRRA1	0.549298	0.388186	0.157058	0.214899
ENSMUSG000000035944	TTC38	-0.59548	0.421014	0.157243	0.215135
ENSMUSG000000095366	GM21860	0.409583	0.289666	0.157366	0.215269
ENSMUSG000000096850	GM21748	0.409583	0.289666	0.157366	0.215269
ENSMUSG000000021118	PLEK2	-0.63522	0.449358	0.157476	0.215396
ENSMUSG000000040829	ZMYND15	-0.33732	0.238625	0.157484	0.215396
ENSMUSG000000052738	SUCLG1	0.163955	0.116104	0.157908	0.215959
ENSMUSG000000041124	MSANTD4	-0.16677	0.118104	0.157925	0.215964
ENSMUSG000000038422	HDHD3	0.273013	0.193348	0.157943	0.215971
ENSMUSG000000004929	THOP1	0.161126	0.114173	0.158172	0.216267
ENSMUSG000000027248	PDIA3	0.120395	0.085315	0.158193	0.216278
ENSMUSG000000029307	DMP1	0.514146	0.364411	0.158276	0.216374
ENSMUSG000000020707	RNF135	-0.29965	0.212442	0.158391	0.216514
ENSMUSG000000020282	RHBDF1	-0.18768	0.13307	0.158437	0.216529
ENSMUSG000000022885	ST6GAL1	-0.20339	0.144209	0.158434	0.216529
ENSMUSG000000031079	ZFP300	-0.65004	0.460913	0.15844	0.216529
ENSMUSG000000028053	ASH1L	0.11666	0.08273	0.158502	0.216579
ENSMUSG000000030051	APLF	0.327361	0.23215	0.158502	0.216579
ENSMUSG000000038366	LASP1	0.188783	0.133963	0.158771	0.216929
ENSMUSG000000024206	RFX2	-0.20607	0.146239	0.1588	0.216951
ENSMUSG000000040086	TNNI3K	-0.31584	0.224203	0.158919	0.217095
ENSMUSG000000022125	CLN5	0.134757	0.095683	0.159021	0.217148
ENSMUSG000000041241	MUL1	0.139822	0.099272	0.158989	0.217148
ENSMUSG000000062478	CTRC	0.218546	0.155159	0.158975	0.217148
ENSMUSG000000063011	MSLN	0.585855	0.416063	0.159103	0.217243
ENSMUSG000000029419	AJM1	-0.5295	0.376105	0.159173	0.21732
ENSMUSG000000049848	CEACAM19	0.776309	0.551577	0.159299	0.217475
ENSMUSG000000013076	AMOTL1	-0.15838	0.112545	0.159362	0.217543
ENSMUSG000000050445	CYP8B1	-0.71877	0.510984	0.159535	0.217762
ENSMUSG000000033767	TMEM131L	-0.26439	0.188034	0.159699	0.217969
ENSMUSG000000023806	RSPH3B	-0.11868	0.084466	0.160017	0.218385
ENSMUSG000000061143	MAML3	-0.18749	0.133462	0.160071	0.218441
ENSMUSG000000025474	TUBGCP2	0.201673	0.143649	0.160338	0.21877

ENSMUSG00000026187	XRCC5	0.180146	0.128314	0.160336	0.21877
ENSMUSG00000040720	VIRMA	-0.12319	0.08781	0.160655	0.219171
ENSMUSG00000092544	GM20422	0.76059	0.54217	0.160658	0.219171
ENSMUSG00000023039	KRT7	0.615731	0.439017	0.16076	0.219293
ENSMUSG00000024131	SLC3A1	0.844057	0.60184	0.160778	0.2193
ENSMUSG00000027810	EIF2A	0.166134	0.118472	0.160823	0.219329
ENSMUSG00000041673	LRRC18	-0.66635	0.475186	0.160825	0.219329
ENSMUSG00000049556	LINGO1	0.349666	0.249431	0.160958	0.219493
ENSMUSG00000036427	GPI1	0.217939	0.155567	0.161235	0.219853
ENSMUSG00000020536	LLGL1	0.124551	0.088917	0.161288	0.219908
ENSMUSG00000025737	WDR24	-0.19959	0.142563	0.161501	0.220181
ENSMUSG00000068854	HIST2H2BE	0.206078	0.147227	0.161594	0.22029
ENSMUSG00000048310	PSKH1	0.121732	0.086987	0.161686	0.220397
ENSMUSG00000042474	FCMR	0.616288	0.440494	0.161788	0.2205
ENSMUSG00000048490	NRIP1	0.161499	0.115432	0.161785	0.2205
ENSMUSG00000026638	IRF6	0.506814	0.362293	0.161841	0.220556
ENSMUSG00000032035	ETS1	-0.1228	0.087786	0.161855	0.220556
ENSMUSG00000033006	SOX10	-0.37748	0.26988	0.1619	0.220583
ENSMUSG00000079681	ZGLP1	1.070071	0.765022	0.161889	0.220583
ENSMUSG00000090675	OLFR111	0.694377	0.496659	0.162084	0.220816
ENSMUSG00000031668	EIF2AK3	0.225173	0.161139	0.162296	0.221087
ENSMUSG00000028545	BEND5	-0.21229	0.151936	0.162338	0.221126
ENSMUSG00000056211	R3HDM1	-0.11944	0.085499	0.162433	0.22122
ENSMUSG000000106924	GM42857	-0.21965	0.157237	0.162429	0.22122
ENSMUSG000000110057	GM2225	1.043152	0.747041	0.162601	0.22143
ENSMUSG00000040599	MIS12	0.454579	0.325624	0.162706	0.221557
ENSMUSG00000028950	TAS1R1	0.649787	0.465525	0.16277	0.221626
ENSMUSG00000028849	MAP7D1	-0.12124	0.086877	0.162851	0.221669
ENSMUSG00000084010	GM13302	-1.16801	0.836905	0.162824	0.221669
ENSMUSG00000074607	TOX2	0.557625	0.39964	0.162919	0.22174
ENSMUSG00000025223	LDB1	-0.17822	0.127737	0.162955	0.22177
ENSMUSG00000078521	AUNIP	0.902911	0.647188	0.162977	0.221783
ENSMUSG00000019088	DNASE1L1	-0.16464	0.11802	0.163009	0.221809
ENSMUSG00000034194	R3HCC1	0.160581	0.115156	0.163178	0.222004
ENSMUSG00000041831	SYTL3	-0.51187	0.367065	0.163171	0.222004
ENSMUSG00000032017	GRIK4	-0.4393	0.315085	0.163249	0.222083
ENSMUSG00000034460	SIX4	-0.2912	0.208897	0.163316	0.222137
ENSMUSG00000042423	FBRS	-0.14213	0.101958	0.163316	0.222137
ENSMUSG00000027663	ZMAT3	0.250278	0.179696	0.163684	0.22262
ENSMUSG00000035171	1110059E24RII	-0.2182	0.156677	0.16372	0.222652
ENSMUSG00000018819	LSP1	-0.26011	0.186802	0.163788	0.222725
ENSMUSG00000006651	APLP1	-0.39886	0.286466	0.16382	0.222734
ENSMUSG000000107845	GM44212	0.717231	0.515119	0.163813	0.222734
ENSMUSG00000031060	RBM10	-0.12171	0.087461	0.164034	0.223007
ENSMUSG00000090408	GM17402	0.77408	0.556261	0.164051	0.223012
ENSMUSG00000057457	PHEX	0.545792	0.392265	0.164108	0.223072
ENSMUSG00000017843	PPP2R5C	-0.1484	0.106658	0.164123	0.223075
ENSMUSG00000055240	ZFP101	-0.25284	0.181761	0.164208	0.223172
ENSMUSG00000059811	ATL2	0.115887	0.083348	0.164406	0.223423
ENSMUSG00000028487	BNC2	0.52976	0.381131	0.164539	0.223585

ENSMUSG00000037849	IFI206	1.192154	0.858007	0.164697	0.223783
ENSMUSG00000024008	CPNE5	-0.45298	0.326113	0.164828	0.223943
ENSMUSG00000006542	PRKAG3	0.192522	0.138642	0.164946	0.224086
ENSMUSG000000098132	RASSF10	-0.33823	0.243696	0.16516	0.22434
ENSMUSG000000111779	AL611930.1	-0.83064	0.598468	0.165152	0.22434
ENSMUSG000000025377	TEPSIN	-0.19018	0.137071	0.165304	0.224453
ENSMUSG000000036306	LZTS1	-0.27844	0.200694	0.165322	0.224453
ENSMUSG000000040498	IGSF23	0.456404	0.328954	0.165308	0.224453
ENSMUSG000000091735	GPR62	0.591149	0.426083	0.165319	0.224453
ENSMUSG000000036908	UNC93B1	0.24768	0.17859	0.165485	0.224656
ENSMUSG000000019861	GOPC	-0.12286	0.088592	0.165516	0.224662
ENSMUSG000000024033	RSPH1	-0.42684	0.307796	0.165511	0.224662
ENSMUSG000000102697	PCDHAC2	-1.18625	0.85613	0.165872	0.225127
ENSMUSG000000081605	GM15953	-0.69676	0.503046	0.166027	0.22532
ENSMUSG000000029330	CDS1	0.284302	0.205322	0.166155	0.225475
ENSMUSG000000040666	SH3BGR	0.114424	0.082654	0.166244	0.225578
ENSMUSG000000027030	STK39	-0.35423	0.255896	0.166279	0.225608
ENSMUSG000000040380	CBLN3	-0.47248	0.341412	0.166393	0.225743
ENSMUSG000000109398	GM3854	-0.32878	0.237584	0.166407	0.225745
ENSMUSG000000022248	RAD1	-0.19737	0.142691	0.166608	0.225999
ENSMUSG000000047123	TICAM1	-0.16307	0.117905	0.16665	0.226039
ENSMUSG000000030324	RHO	-0.75944	0.549188	0.166714	0.22609
ENSMUSG000000030739	MYH14	0.308774	0.223291	0.166715	0.22609
ENSMUSG000000044876	ZFP444	-0.21786	0.15764	0.166961	0.226406
ENSMUSG000000024668	SDHAF2	0.124647	0.090215	0.167071	0.226537
ENSMUSG000000002059	RAB34	-0.17917	0.129685	0.167111	0.226567
ENSMUSG000000095917	OLFR740	-0.58077	0.420387	0.16712	0.226567
ENSMUSG000000021215	NET1	0.189086	0.136874	0.167138	0.226574
ENSMUSG000000019846	LAMA4	-0.243	0.176027	0.167449	0.226977
ENSMUSG000000027496	AURKA	0.506355	0.366905	0.167565	0.227116
ENSMUSG000000052926	RNASEH2A	-0.16418	0.118969	0.167579	0.227117
ENSMUSG000000050410	TCF19	0.447876	0.324598	0.167652	0.227198
ENSMUSG000000057262	GM10020	0.385306	0.279296	0.167721	0.227273
ENSMUSG000000022544	EEF2KMT	-0.16699	0.121093	0.167878	0.227468
ENSMUSG000000038393	TXNIP	0.277408	0.20118	0.167924	0.227512
ENSMUSG000000099913	GM28551	-0.40269	0.292088	0.167997	0.227593
ENSMUSG000000068227	IL2RB	0.39866	0.289438	0.168401	0.228123
ENSMUSG000000027641	RBL1	0.400405	0.290718	0.168421	0.228131
ENSMUSG000000018648	DUSP14	0.499676	0.362932	0.168582	0.228312
ENSMUSG000000050144	SLC25A44	0.159142	0.11559	0.168579	0.228312
ENSMUSG000000023132	GZMA	0.803113	0.583536	0.168733	0.228498
ENSMUSG000000069117	GM10260	2.960763	2.152376	0.168952	0.228771
ENSMUSG000000110104	GM45717	1.084097	0.788119	0.168961	0.228771
ENSMUSG000000074516	GM10709	0.849739	0.617913	0.169077	0.22891
ENSMUSG000000029234	TMEM165	-0.22641	0.164649	0.169107	0.228932
ENSMUSG000000047787	FLRT1	-0.46553	0.338604	0.16918	0.229012
ENSMUSG000000039055	EME1	0.73391	0.533847	0.169207	0.229031
ENSMUSG000000037058	PAIP2	0.135664	0.098688	0.169233	0.229048
ENSMUSG000000037353	LETMD1	-0.14263	0.103781	0.169326	0.229155
ENSMUSG000000007655	CAV1	-0.13723	0.099881	0.169452	0.2293

ENSMUSG00000037801	IQCH	0.696014	0.506598	0.169473	0.2293
ENSMUSG00000081049	RPS24-PS3	1.007273	0.73314	0.169468	0.2293
ENSMUSG00000071256	ZFP213	-0.197	0.143466	0.169714	0.229608
ENSMUSG00000091277	GM1818	0.241243	0.175714	0.169773	0.229669
ENSMUSG00000024290	ROCK1	-0.24972	0.181902	0.169801	0.229689
ENSMUSG00000049164	ZFP518A	0.144779	0.105481	0.169889	0.229789
ENSMUSG00000071477	ZFP777	0.187267	0.136449	0.169928	0.229823
ENSMUSG00000021754	MAP3K1	-0.25924	0.188906	0.169968	0.229859
ENSMUSG00000020843	TIMM22	0.141606	0.103226	0.170124	0.230052
ENSMUSG00000043061	TMEM18	0.275774	0.201137	0.170352	0.230342
ENSMUSG00000034837	GNAT1	0.425221	0.310201	0.17044	0.230443
ENSMUSG00000029368	ALB	-1.15032	0.83963	0.170678	0.230728
ENSMUSG000000110545	GM7730	-0.49472	0.361098	0.170674	0.230728
ENSMUSG00000068086	CYP2D9	-1.02157	0.74583	0.170776	0.230842
ENSMUSG00000026659	DUSP12	-0.16661	0.121738	0.171113	0.23128
ENSMUSG00000024677	MS4A6B	0.485039	0.354466	0.171198	0.231375
ENSMUSG00000041945	MFS9	0.292818	0.214051	0.171318	0.231519
ENSMUSG00000043948	OLFR691	0.484398	0.354115	0.17134	0.23153
ENSMUSG00000000223	DRP2	-0.46326	0.338771	0.171479	0.2317
ENSMUSG00000017211	GSDMA2	-0.65681	0.480333	0.1715	0.23171
ENSMUSG00000022900	ILDR1	-0.6864	0.502127	0.171629	0.231866
ENSMUSG00000044149	NKRF	0.183106	0.134007	0.171815	0.232098
ENSMUSG00000022595	LYPD2	-0.55776	0.408308	0.171928	0.232233
ENSMUSG00000079906	GM15846	0.614022	0.449795	0.172217	0.232604
ENSMUSG00000035860	CDHR3	-0.83157	0.609185	0.172236	0.232612
ENSMUSG00000020170	FRS2	-0.17469	0.128011	0.172352	0.23275
ENSMUSG00000014592	CAMTA1	0.128294	0.094045	0.172511	0.232947
ENSMUSG00000001270	CKB	-0.26336	0.193063	0.172531	0.232955
ENSMUSG00000059173	PDE1A	0.214252	0.157176	0.17284	0.233353
ENSMUSG00000027261	HAO1	0.774105	0.567921	0.172867	0.233371
ENSMUSG00000059878	ZFP422	-0.11854	0.086972	0.172897	0.233393
ENSMUSG00000004637	WVOX	0.185998	0.136538	0.173122	0.233678
ENSMUSG00000074139	1700057G04RI	0.417461	0.306478	0.173158	0.233709
ENSMUSG00000041911	DLX1	0.524728	0.385331	0.173274	0.233846
ENSMUSG00000032864	RAG2	-0.48764	0.358161	0.173349	0.233928
ENSMUSG00000046101	MCMDC2	0.387896	0.284942	0.173414	0.233998
ENSMUSG00000035376	HACD2	-0.1633	0.119963	0.173428	0.233998
ENSMUSG00000033526	PPIP5K1	0.228139	0.167674	0.173637	0.234243
ENSMUSG00000037686	ASPG	-0.57908	0.425601	0.173633	0.234243
ENSMUSG00000025197	CYP2C23	-0.86478	0.635635	0.173674	0.234275
ENSMUSG00000026175	VIL1	0.552411	0.406139	0.173782	0.234401
ENSMUSG00000043880	OLFR323	0.535138	0.393587	0.173943	0.2346
ENSMUSG00000003355	FKBP11	0.435297	0.320184	0.173982	0.234633
ENSMUSG00000066270	GM10157	0.364642	0.26829	0.174105	0.234781
ENSMUSG00000037942	CRP	-0.70768	0.520734	0.174144	0.234814
ENSMUSG00000061626	OLFR68	-0.64416	0.474647	0.174735	0.235593
ENSMUSG00000049044	RAPGEF4	-0.52827	0.389384	0.17488	0.23577
ENSMUSG00000049687	PHETA2	0.409382	0.30177	0.174908	0.235788
ENSMUSG00000025403	SHMT2	-0.16839	0.124147	0.174974	0.235859
ENSMUSG00000022449	ADAMTS20	-0.67936	0.50093	0.175039	0.235928

ENSMUSG00000032220	MYO1E	-0.14223	0.104888	0.175098	0.235989
ENSMUSG00000089859	GM13769	0.559079	0.412325	0.175125	0.236007
ENSMUSG00000027827	KCNAB1	0.513227	0.378687	0.175328	0.236261
ENSMUSG00000012123	CRYBG2	0.552245	0.407507	0.17536	0.236286
ENSMUSG00000020185	E2F7	0.32245	0.237974	0.175424	0.236334
ENSMUSG00000038725	PKHD1L1	-1.09872	0.810869	0.175421	0.236334
ENSMUSG00000033491	PRSS35	0.726798	0.536694	0.175669	0.236627
ENSMUSG00000063704	MAPK15	0.520525	0.384363	0.175656	0.236627
ENSMUSG00000032018	SC5D	0.144779	0.106952	0.175836	0.236785
ENSMUSG00000034201	GAS2L1	-0.41032	0.303107	0.175826	0.236785
ENSMUSG00000045799	GM9800	-1.0222	0.755913	0.17629	0.237369
ENSMUSG00000056234	NCOA4	-0.36036	0.266609	0.176484	0.237612
ENSMUSG00000025981	COQ10B	0.213142	0.157702	0.176519	0.237641
ENSMUSG00000069890	1700024J04RIK	-0.46316	0.342938	0.17683	0.23804
ENSMUSG00000002342	TMEM161A	0.118473	0.087758	0.177017	0.238264
ENSMUSG00000047238	MAGEH1	-0.20047	0.148499	0.177031	0.238264
ENSMUSG00000095286	OLFR117	0.50857	0.376739	0.177039	0.238264
ENSMUSG00000027173	DEPDC7	-0.29896	0.221593	0.177289	0.238582
ENSMUSG00000030761	MYO7A	0.219722	0.162915	0.177435	0.23876
ENSMUSG00000004267	ENO2	0.484443	0.359308	0.177573	0.238927
ENSMUSG00000075569	RSPH10B	0.454247	0.336979	0.177659	0.239023
ENSMUSG00000023764	SFI1	-0.14555	0.10799	0.177726	0.239095
ENSMUSG00000026469	XPR1	0.216484	0.160638	0.177771	0.239136
ENSMUSG00000045333	ZFP423	0.364854	0.270743	0.177786	0.239137
ENSMUSG00000025529	ZFP711	0.456775	0.33897	0.177807	0.239147
ENSMUSG00000045503	SYS1	0.150357	0.111794	0.178642	0.240251
ENSMUSG00000024563	SMAD2	0.13885	0.103255	0.178713	0.240328
ENSMUSG00000048482	BDNF	-0.19907	0.148091	0.178863	0.240509
ENSMUSG00000056536	PIGN	0.262838	0.195655	0.17915	0.24087
ENSMUSG00000062553	OLFR709-PS1	-0.40137	0.298786	0.179159	0.24087
ENSMUSG00000089872	RPS6KC1	0.137885	0.102688	0.17935	0.241108
ENSMUSG00000005470	ASF1B	0.435144	0.32434	0.179716	0.24158
ENSMUSG00000064127	MED14	-0.12028	0.089714	0.180017	0.241965
ENSMUSG00000053192	MLLT11	0.266638	0.198956	0.180186	0.242174
ENSMUSG00000079317	TRAPPC2	-0.14577	0.108796	0.180304	0.242313
ENSMUSG00000071362	GM10330	-0.47558	0.355084	0.18046	0.242503
ENSMUSG00000036745	TTLL7	0.190333	0.142211	0.180771	0.242902
ENSMUSG00000027394	TTL	-0.13992	0.104567	0.18088	0.243029
ENSMUSG00000080002	GM5566	0.622679	0.465398	0.180913	0.243054
ENSMUSG00000027397	SLC20A1	0.19911	0.148856	0.181027	0.243188
ENSMUSG00000056073	GRIK2	-0.56306	0.421181	0.181266	0.24349
ENSMUSG00000034145	TMEM63C	0.48037	0.359513	0.181495	0.243778
ENSMUSG00000002413	BRAF	0.152218	0.113951	0.18161	0.243914
ENSMUSG000000108662	OLFR188-PS1	-0.69118	0.517592	0.181756	0.24409
ENSMUSG00000083044	GM12416	0.203428	0.152381	0.181877	0.244233
ENSMUSG00000020376	RNF130	0.114182	0.085545	0.181958	0.244303
ENSMUSG00000032040	DCPS	0.124691	0.093418	0.181953	0.244303
ENSMUSG00000037375	HHAT	-0.19379	0.145196	0.181988	0.244325
ENSMUSG00000024422	DHX16	0.158714	0.118923	0.182007	0.244331
ENSMUSG00000028073	PEAR1	-0.18341	0.137454	0.182083	0.244414

ENSMUSG00000021263	DEGS2	0.243348	0.182443	0.18226	0.244613
ENSMUSG00000028341	NR4A3	-0.27453	0.205819	0.18225	0.244613
ENSMUSG00000025958	CREB1	-0.16718	0.125348	0.182295	0.24464
ENSMUSG00000026705	KLHL20	-0.12899	0.096722	0.182331	0.244669
ENSMUSG00000037355	UVSSA	-0.13243	0.099327	0.182436	0.244791
ENSMUSG00000036634	MAG	0.778006	0.583896	0.182716	0.245147
ENSMUSG00000058396	GPR182	0.210341	0.157871	0.182742	0.245163
ENSMUSG00000022217	EMC9	0.267525	0.200798	0.182758	0.245165
ENSMUSG00000029810	TMEM176B	-0.28714	0.215534	0.182783	0.245178
ENSMUSG00000056987	FAM71D	0.682409	0.512255	0.182805	0.245189
ENSMUSG00000072624	GM5460	0.541995	0.407125	0.183098	0.245563
ENSMUSG00000061477	RPS7	0.620707	0.466398	0.183237	0.24573
ENSMUSG00000021758	DDX4	0.765882	0.575621	0.183343	0.245852
ENSMUSG00000049866	ARL4C	0.147683	0.111055	0.183577	0.246147
ENSMUSG00000042570	MIER2	-0.17531	0.131848	0.183643	0.246216
ENSMUSG00000014355	ANAPC1	-0.14682	0.110438	0.183708	0.246283
ENSMUSG00000033446	LPAR6	-0.15225	0.114564	0.183856	0.246462
ENSMUSG00000071392	ECT2L	-0.33333	0.250907	0.184014	0.246655
ENSMUSG00000050043	TMX2	-0.11014	0.082919	0.184087	0.246734
ENSMUSG00000038594	CEP85L	0.257725	0.194215	0.184505	0.247274
ENSMUSG00000027953	SLC50A1	0.143924	0.108482	0.184607	0.247391
ENSMUSG00000027936	CRTC2	0.125347	0.094486	0.184637	0.247412
ENSMUSG00000041570	CAMSAP2	0.127356	0.09602	0.184727	0.247513
ENSMUSG00000042408	ZMYM6	0.132065	0.09971	0.185342	0.248278
ENSMUSG00000033147	SLC22A15	0.184052	0.138972	0.185378	0.248307
ENSMUSG00000027377	MALL	0.373648	0.282144	0.185397	0.248313
ENSMUSG00000015149	SIRT2	-0.10975	0.082878	0.185421	0.248325
ENSMUSG00000030996	ART1	-0.33966	0.256506	0.185441	0.248331
ENSMUSG00000030062	RPN1	0.125284	0.094631	0.185532	0.248435
ENSMUSG00000032733	SNX33	-0.14463	0.109252	0.185561	0.248453
ENSMUSG00000030970	CTBP2	0.150548	0.113727	0.185581	0.248461
ENSMUSG00000029663	GNGT1	-0.50946	0.384993	0.185736	0.248649
ENSMUSG00000054280	PRR14L	-0.3451	0.260886	0.185905	0.248855
ENSMUSG00000049576	ZFA-PS	0.665346	0.503146	0.186044	0.249022
ENSMUSG00000026826	NR4A2	0.50668	0.38347	0.186401	0.24948
ENSMUSG00000054723	VMAC	-0.30478	0.23071	0.186481	0.249567
ENSMUSG00000017561	CRLF3	-0.17503	0.132509	0.18654	0.249626
ENSMUSG00000026641	USF1	0.13334	0.100956	0.186578	0.249658
ENSMUSG00000037679	INF2	0.124271	0.094112	0.18668	0.249755
ENSMUSG00000046210	OLFR735	-0.24154	0.18292	0.186672	0.249755
ENSMUSG00000055015	GM9961	-0.52419	0.397012	0.186725	0.249795
ENSMUSG00000021876	RNASE4	-0.32813	0.248539	0.18676	0.249822
ENSMUSG00000003452	BICD1	-0.30309	0.229586	0.186784	0.249835
ENSMUSG00000023249	PARP3	-0.14419	0.109235	0.186832	0.24988
ENSMUSG00000028497	HACD4	-0.58244	0.441359	0.186951	0.250006
ENSMUSG00000037990	SH3RF3	-0.45101	0.341766	0.186956	0.250006
ENSMUSG00000049658	BDP1	0.184825	0.140067	0.186984	0.250024
ENSMUSG00000035877	ZHX3	0.121119	0.091794	0.187014	0.250044
ENSMUSG00000045273	CENPH	1.191617	0.903324	0.18712	0.250166
ENSMUSG00000024660	INCENP	0.499162	0.378455	0.187187	0.250235

ENSMUSG00000094091	GM21885	0.991728	0.751978	0.187228	0.250271
ENSMUSG00000049008	BB014433	-0.99271	0.753014	0.187399	0.25048
ENSMUSG00000038991	TXNDC5	-0.11354	0.086158	0.187565	0.250666
ENSMUSG00000049811	FAM161A	-0.25105	0.190504	0.187568	0.250666
ENSMUSG00000040524	ZFP609	-0.19748	0.149897	0.187691	0.250812
ENSMUSG00000082475	GM7206	1.689597	1.282542	0.187711	0.250818
ENSMUSG00000064363	MT-ND4	-0.21506	0.163253	0.187728	0.250821
ENSMUSG00000095595	FAM177A	0.118512	0.089987	0.187841	0.250952
ENSMUSG00000051147	NAT2	0.2768	0.210182	0.187855	0.250952
ENSMUSG00000021055	ESR2	0.707596	0.537386	0.187927	0.251028
ENSMUSG00000071267	ZFP942	-0.16525	0.125547	0.188101	0.251241
ENSMUSG00000028389	ZFP37	0.537194	0.408538	0.188537	0.251803
ENSMUSG00000091736	YY2	0.568556	0.432585	0.188739	0.252052
ENSMUSG00000043140	TMEM186	-0.11303	0.086006	0.188759	0.25206
ENSMUSG00000013155	ENKD1	0.3506	0.266776	0.188775	0.252061
ENSMUSG00000001366	FBXO9	-0.19436	0.147943	0.188941	0.252263
ENSMUSG00000082214	GM15009	0.491856	0.37455	0.189119	0.252481
ENSMUSG00000020392	CDKN2AIPNL	0.201138	0.153283	0.189453	0.252907
ENSMUSG00000034382	AI661453	0.418907	0.319522	0.189844	0.253408
ENSMUSG00000021676	IQGAP2	0.27784	0.211952	0.189904	0.25347
ENSMUSG00000030753	THAP12	0.14636	0.111785	0.190434	0.254157
ENSMUSG00000042331	SPECC1	0.291401	0.222609	0.190526	0.254259
ENSMUSG00000007610	GTPBP3	-0.17743	0.135567	0.190606	0.254346
ENSMUSG00000040651	FAM208A	-0.11738	0.089693	0.190648	0.254382
ENSMUSG000000107705	GM45062	-0.72403	0.553615	0.190936	0.254746
ENSMUSG00000033530	TTC7B	-0.1362	0.104214	0.191251	0.255146
ENSMUSG00000029681	BCL7B	0.119002	0.091135	0.191627	0.255628
ENSMUSG00000003573	HOMER3	-0.18904	0.144781	0.191664	0.255657
ENSMUSG00000092356	GM20532	-0.77129	0.590797	0.19172	0.255712
ENSMUSG00000024999	NOC3L	-0.16885	0.129348	0.191765	0.255752
ENSMUSG00000024926	KAT5	0.119105	0.091272	0.191909	0.255924
ENSMUSG00000032512	WDR48	-0.12947	0.099232	0.191983	0.256002
ENSMUSG00000046314	STXBP6	-0.37434	0.286926	0.192013	0.256022
ENSMUSG00000015659	SERAC1	0.194801	0.14938	0.192213	0.256249
ENSMUSG00000038550	CIART	-0.3239	0.248375	0.192207	0.256249
ENSMUSG00000024534	SNCAIP	-0.37096	0.284659	0.19251	0.256625
ENSMUSG00000050605	ZFP61	-0.34679	0.266173	0.192616	0.256745
ENSMUSG00000037216	LIPT1	0.161667	0.124124	0.192759	0.256916
ENSMUSG00000067889	SPTBN2	-0.24164	0.185531	0.192775	0.256917
ENSMUSG00000021306	GPR137B	-0.21169	0.162592	0.192935	0.25711
ENSMUSG00000034799	UNC13A	0.323845	0.24885	0.193134	0.257356
ENSMUSG00000045903	NPAS4	-0.81433	0.62622	0.193469	0.257782
ENSMUSG00000074529	ZFP972	-0.26036	0.2003	0.193656	0.25801
ENSMUSG00000030763	LCMT1	0.124335	0.095671	0.193734	0.258094
ENSMUSG00000015605	SRF	-0.17299	0.133249	0.194215	0.258713
ENSMUSG00000043372	HEXIM2	0.276506	0.212997	0.194229	0.258713
ENSMUSG00000028864	HGF	0.676498	0.521154	0.194261	0.258735
ENSMUSG00000044313	MAB21L3	1.081153	0.832936	0.194286	0.258749
ENSMUSG00000039617	GM7488	0.185704	0.143144	0.194519	0.259039
ENSMUSG00000072082	CCNF	0.93811	0.723728	0.1949	0.259485

ENSMUSG00000042501	CPA6	0.368202	0.284144	0.195035	0.259644
ENSMUSG00000021108	PRKCH	0.164159	0.126706	0.195118	0.259734
ENSMUSG00000050423	PPP1R3G	-0.95732	0.73926	0.195331	0.259997
ENSMUSG00000022759	LRRC74B	0.514401	0.397274	0.19538	0.260042
ENSMUSG00000025075	HABP2	0.781957	0.604084	0.19551	0.260194
ENSMUSG00000091534	GM17195	-0.53644	0.414441	0.195537	0.26021
ENSMUSG00000082068	GM2673	0.918569	0.709752	0.195592	0.260263
ENSMUSG00000032477	CDC25A	-0.30328	0.234396	0.195707	0.260375
ENSMUSG00000063216	OLFR1351	0.697963	0.539429	0.195702	0.260375
ENSMUSG00000073834	MUP11	-0.94282	0.728773	0.195766	0.260433
ENSMUSG00000031156	SLC35A2	0.191741	0.148264	0.195928	0.260629
ENSMUSG00000062376	BORCS7	0.131712	0.101853	0.195957	0.260646
ENSMUSG00000039577	NPHP4	-0.49182	0.380717	0.196416	0.261236
ENSMUSG00000046434	HNRNPA1	0.159756	0.12368	0.196466	0.261283
ENSMUSG00000020917	ACLY	-0.12556	0.097215	0.19652	0.261334
ENSMUSG00000110918	GM48862	-0.36273	0.280921	0.19663	0.261459
ENSMUSG00000027646	SRC	0.193533	0.149916	0.196724	0.261564
ENSMUSG00000041852	TCF20	-0.1184	0.091735	0.196834	0.26169
ENSMUSG00000022311	CSMD3	-0.69355	0.537417	0.196869	0.261716
ENSMUSG00000061947	SERPINA10	-0.44125	0.341935	0.196891	0.261726
ENSMUSG00000020074	CCAR1	0.114677	0.088892	0.197023	0.26188
ENSMUSG00000083327	VCP-RS	0.782356	0.606734	0.19724	0.262148
ENSMUSG00000031153	GRIPAP1	0.113501	0.088054	0.197397	0.262336
ENSMUSG00000027359	SLC27A2	-0.93246	0.723592	0.19752	0.262479
ENSMUSG00000026608	KCTD3	-0.16728	0.12994	0.197978	0.263067
ENSMUSG00000039982	DTX4	0.155336	0.120708	0.198141	0.263262
ENSMUSG00000032376	USP3	0.179681	0.139661	0.198252	0.26339
ENSMUSG00000035776	CD99L2	-0.10698	0.083192	0.198453	0.263637
ENSMUSG00000051238	SWSAP1	-0.14732	0.114722	0.199097	0.264471
ENSMUSG00000036281	SNAPC4	0.178786	0.139236	0.199124	0.264486
ENSMUSG00000057132	RPGRIP1	0.478873	0.373082	0.199296	0.264693
ENSMUSG00000028538	ST3GAL3	-0.2085	0.162446	0.199312	0.264694
ENSMUSG00000040734	PPP1R13L	-0.14271	0.111197	0.199343	0.264694
ENSMUSG00000042102	DMGDH	-0.81985	0.638793	0.199342	0.264694
ENSMUSG00000054381	ZFP747	-0.27121	0.211398	0.199519	0.264907
ENSMUSG00000084372	GM13988	0.546504	0.426006	0.199543	0.264918
ENSMUSG00000024477	PGGT1B	-0.11968	0.093333	0.19973	0.265145
ENSMUSG00000001865	CPA3	-0.59122	0.461128	0.199799	0.265216
ENSMUSG00000021629	SLC30A5	-0.11305	0.088232	0.200076	0.265543
ENSMUSG00000008398	ELK3	0.257863	0.201286	0.200166	0.265642
ENSMUSG00000019773	FBXO5	0.340796	0.266198	0.200462	0.266014
ENSMUSG00000062590	ARMC9	-0.19233	0.150256	0.200551	0.266111
ENSMUSG00000039357	FUT11	0.280912	0.219484	0.20059	0.266142
ENSMUSG00000033790	TUBGCP5	-0.15104	0.118034	0.200667	0.266224
ENSMUSG00000036323	SRP72	-0.12747	0.099618	0.200687	0.266229
ENSMUSG00000061833	GM6311	0.90017	0.703569	0.200744	0.266284
ENSMUSG00000020123	AVPR1A	0.764559	0.597816	0.200925	0.26649
ENSMUSG00000058192	ZFP846	0.219419	0.171568	0.200931	0.26649
ENSMUSG00000034158	LRRC58	0.18876	0.147617	0.200999	0.266559
ENSMUSG00000040321	ZFP770	0.113362	0.08869	0.201183	0.266761

ENSMUSG00000063146	CLIP2	0.145646	0.113945	0.201172	0.266761
ENSMUSG00000033356	PUS7L	0.263402	0.206121	0.201284	0.266875
ENSMUSG00000048763	HOXB3	-0.32683	0.255809	0.201379	0.266939
ENSMUSG00000078683	MUP1	-1.09854	0.859819	0.201378	0.266939
ENSMUSG00000081944	GM12276	-0.33772	0.264316	0.201357	0.266939
ENSMUSG00000078994	ZFP429	0.250649	0.196193	0.201403	0.26695
ENSMUSG000000100944	GM28900	1.426903	1.117247	0.201546	0.267118
ENSMUSG00000090946	CCDC71L	0.118139	0.092561	0.20184	0.267487
ENSMUSG00000022634	YAF2	-0.11668	0.091451	0.202008	0.267689
ENSMUSG00000028173	WLS	-0.35998	0.282186	0.202067	0.267746
ENSMUSG00000028133	RWDD3	-0.4322	0.339038	0.202388	0.268151
ENSMUSG00000031146	PLP2	0.2301	0.18064	0.202733	0.268587
ENSMUSG00000072673	GM10392	0.614564	0.48252	0.202786	0.268635
ENSMUSG00000047822	ANGPTL8	-0.86341	0.678195	0.202981	0.268873
ENSMUSG000000105875	GM43518	-0.89794	0.705666	0.203207	0.269152
ENSMUSG00000047669	MSL3L2	0.296936	0.233408	0.203311	0.269268
ENSMUSG00000061601	PCLO	-0.40414	0.317824	0.203516	0.269519
ENSMUSG00000018678	SP2	-0.18651	0.146814	0.203938	0.270037
ENSMUSG00000026516	NVL	0.149966	0.118045	0.203939	0.270037
ENSMUSG00000090467	GM4613	0.926445	0.72954	0.204119	0.270254
ENSMUSG00000075395	A630010A05RI	0.305767	0.240906	0.204357	0.270548
ENSMUSG00000025505	TMEM80	0.130368	0.102771	0.204609	0.27086
ENSMUSG00000030032	WDR54	0.296072	0.233436	0.204683	0.270937
ENSMUSG00000017765	SLC12A4	-0.12251	0.096603	0.204726	0.270973
ENSMUSG00000096764	GM21985	-1.22565	0.966542	0.204771	0.271011
ENSMUSG00000090066	1110002E22RII	0.460907	0.363502	0.204811	0.271043
ENSMUSG00000022445	CYP2D26	-0.78224	0.617078	0.20492	0.271166
ENSMUSG00000029608	RPH3A	1.029787	0.812647	0.205083	0.271361
ENSMUSG00000045314	SOWAHB	0.791233	0.624732	0.205329	0.271644
ENSMUSG00000052912	SMARCA5-PS	-0.66697	0.526605	0.205317	0.271644
ENSMUSG00000025218	POLL	0.14756	0.116625	0.205784	0.272215
ENSMUSG00000033021	GMPPA	-0.13719	0.108435	0.205792	0.272215
ENSMUSG00000055341	ZFP457	-0.40442	0.31976	0.205961	0.272416
ENSMUSG00000019338	ZFP687	-0.20435	0.161656	0.206202	0.272671
ENSMUSG00000027375	MAL	-0.39539	0.312783	0.206188	0.272671
ENSMUSG00000040134	RDH7	-0.87534	0.692451	0.206188	0.272671
ENSMUSG00000078300	GM2606	0.256798	0.203186	0.206281	0.272754
ENSMUSG00000058914	C1QTNF3	0.652936	0.516686	0.206338	0.272804
ENSMUSG000000103034	GM8797	0.585319	0.463192	0.206351	0.272804
ENSMUSG00000036327	QSOX2	-0.18849	0.149218	0.206512	0.272997
ENSMUSG00000056486	CHN1	-0.19415	0.153716	0.206564	0.273044
ENSMUSG00000090121	ABHD12B	0.624983	0.49486	0.206608	0.273081
ENSMUSG00000084033	GM7645	-1.26911	1.005151	0.206731	0.273222
ENSMUSG00000054000	TUSC1	0.227618	0.18033	0.206867	0.27338
ENSMUSG00000034773	BC030867	0.47199	0.374191	0.207179	0.273771
ENSMUSG00000056679	GPR173	-0.417	0.330617	0.207212	0.273793
ENSMUSG00000031766	SLC12A3	-0.33655	0.266868	0.207269	0.273848
ENSMUSG00000063137	OLFR177	-0.66073	0.524821	0.208044	0.27485
ENSMUSG00000002985	APOE	-0.19557	0.155367	0.208123	0.274934
ENSMUSG00000024672	MS4A7	0.665581	0.528796	0.208149	0.274946

ENSMUSG00000091474	2610021A01RI	0.247496	0.1967	0.208305	0.275131
ENSMUSG00000022475	HDAC7	0.143576	0.114145	0.208447	0.275298
ENSMUSG00000032293	IREB2	-0.10817	0.086014	0.208543	0.2754
ENSMUSG00000081208	GM11400	0.542236	0.431187	0.208557	0.2754
ENSMUSG00000026205	SLC23A3	0.597252	0.475058	0.208674	0.275533
ENSMUSG00000035873	PAWR	0.337555	0.268578	0.208819	0.275703
ENSMUSG00000049971	GLT1D1	0.551663	0.439139	0.20903	0.27596
ENSMUSG00000001741	IL16	-0.1661	0.132297	0.209296	0.27629
ENSMUSG00000096458	MOAP1	0.188456	0.150118	0.209339	0.276324
ENSMUSG00000078588	CCDC24	0.67751	0.539914	0.209534	0.276561
ENSMUSG00000045678	OLFR1489	-0.39554	0.315223	0.209553	0.276565
ENSMUSG00000038241	CEP250	-0.28922	0.230536	0.209647	0.276667
ENSMUSG00000035835	PLPPR3	-0.31294	0.24951	0.209762	0.276797
ENSMUSG00000097470	GM26587	-0.40218	0.320942	0.210156	0.277296
ENSMUSG00000050822	SLC29A4	-0.52828	0.421822	0.210433	0.277639
ENSMUSG00000042604	KCNA4	-0.3196	0.255281	0.210586	0.27782
ENSMUSG00000031530	DUSP4	0.263934	0.210864	0.210686	0.277931
ENSMUSG00000020424	CASTOR1	0.162612	0.129923	0.210718	0.27795
ENSMUSG00000034653	YTHDC2	-0.14763	0.118041	0.21107	0.278394
ENSMUSG00000058626	CAPN11	0.942558	0.753939	0.211235	0.278589
ENSMUSG00000032105	PDZD3	-0.90767	0.726108	0.211283	0.278617
ENSMUSG00000047257	PRSS45	0.582311	0.465838	0.211289	0.278617
ENSMUSG00000050085	OLFR622	0.746745	0.597551	0.211418	0.278766
ENSMUSG00000022066	ENTPD4B	-0.18243	0.146059	0.211663	0.279067
ENSMUSG00000030653	GM45837	2.809563	2.249644	0.211705	0.279078
ENSMUSG00000051414	OLFR829	0.446464	0.357486	0.211702	0.279078
ENSMUSG00000004394	TMED4	-0.17446	0.13973	0.211834	0.279228
ENSMUSG00000055210	FOXD2	-0.55211	0.442263	0.211891	0.279281
ENSMUSG00000075700	SELENOT	-0.10262	0.082285	0.212353	0.279869
ENSMUSG00000028646	RRAGC	0.121353	0.097483	0.213183	0.28094
ENSMUSG00000073896	OLFR716	-0.48763	0.391956	0.213463	0.281287
ENSMUSG00000026116	TMEM131	-0.1475	0.118567	0.213489	0.2813
ENSMUSG00000022905	KPNA1	0.11136	0.089551	0.213669	0.281515
ENSMUSG00000027122	ARL14EP	-0.14177	0.114033	0.213764	0.281619
ENSMUSG00000023044	CSAD	0.144347	0.116143	0.213931	0.281794
ENSMUSG00000027015	CYBRD1	-0.42788	0.34427	0.213922	0.281794
ENSMUSG00000015968	CACNA1D	0.201589	0.162233	0.214019	0.281845
ENSMUSG00000036923	STOX1	-0.44909	0.361406	0.214008	0.281845
ENSMUSG00000078532	NKAIN1	0.165738	0.133378	0.214007	0.281845
ENSMUSG00000020610	AMZ2	0.151836	0.122208	0.214075	0.281897
ENSMUSG00000042606	HIRIP3	-0.22323	0.179777	0.214349	0.282236
ENSMUSG00000005610	EIF4G2	-0.13665	0.110074	0.214434	0.282326
ENSMUSG00000085584	RTL9	-1.02386	0.824862	0.214515	0.28241
ENSMUSG00000021709	ERBIN	0.102703	0.082749	0.214553	0.282416
ENSMUSG00000032178	ILF3	-0.16504	0.132972	0.21455	0.282416
ENSMUSG00000056268	DENND1B	-0.11921	0.096067	0.214646	0.282518
ENSMUSG00000043333	RHBDL2	0.481478	0.388125	0.214783	0.282675
ENSMUSG00000025911	ADHFE1	-0.31901	0.257248	0.214944	0.282866
ENSMUSG00000021796	BMPR1A	-0.17051	0.137513	0.21498	0.282891
ENSMUSG00000043913	CCDC60	-0.38171	0.307904	0.215078	0.282999

ENSMUSG00000033256	SHF	-0.31305	0.252531	0.215098	0.283003
ENSMUSG00000022912	PROS1	0.162304	0.130976	0.215274	0.283212
ENSMUSG00000060550	H2-Q7	-0.50424	0.406965	0.215332	0.283266
ENSMUSG00000034297	MED13	-0.1885	0.152166	0.21544	0.283387
ENSMUSG00000038523	1700003F12RII	0.619006	0.499937	0.215654	0.283646
ENSMUSG00000026339	CCDC93	-0.29106	0.235302	0.216102	0.284213
ENSMUSG00000037617	SPAG1	0.353643	0.286054	0.216354	0.284523
ENSMUSG00000054115	SKP2	0.499546	0.404156	0.216449	0.284626
ENSMUSG00000003279	DLGAP1	-0.35187	0.284704	0.216497	0.284655
ENSMUSG00000073102	DRC1	0.643331	0.520547	0.216505	0.284655
ENSMUSG00000004789	DLST	-0.1139	0.092188	0.216618	0.284781
ENSMUSG00000009654	OIT3	0.645548	0.522683	0.216805	0.285006
ENSMUSG00000022440	C1QTNF6	0.262205	0.21235	0.216913	0.285103
ENSMUSG00000046201	SCAF8	0.103339	0.083688	0.2169	0.285103
ENSMUSG00000040017	SAA4	-0.75957	0.615433	0.217124	0.285359
ENSMUSG00000042210	ABHD14A	0.164966	0.13368	0.217189	0.285422
ENSMUSG00000035941	IBTK	-0.10904	0.088381	0.21731	0.285556
ENSMUSG00000073915	OLFR676	-0.64071	0.519349	0.217325	0.285556
ENSMUSG00000027157	4930430A15RII	1.17294	0.951002	0.217437	0.285681
ENSMUSG00000083083	GM15382	-0.59903	0.485708	0.217459	0.285688
ENSMUSG00000052395	RFT1	-0.14032	0.113843	0.217733	0.286026
ENSMUSG00000024446	RPP21	0.132763	0.107729	0.217808	0.286102
ENSMUSG00000020657	DNAJC27	-0.23161	0.188075	0.218135	0.28651
ENSMUSG00000025103	BTBD1	0.10385	0.084408	0.218577	0.287068
ENSMUSG00000038685	RTEL1	0.301066	0.244806	0.218766	0.287295
ENSMUSG00000022768	CCDC116	0.545329	0.443588	0.218938	0.287498
ENSMUSG00000041733	COQ5	-0.17738	0.144318	0.219043	0.287614
ENSMUSG00000045812	OLFR984	-0.40857	0.33295	0.219777	0.288555
ENSMUSG00000006398	CDC20	0.701645	0.571875	0.219853	0.288632
ENSMUSG00000030199	ETV6	0.160161	0.130564	0.219942	0.288728
ENSMUSG00000061259	TMPRSS11D	-0.40092	0.32685	0.219968	0.288739
ENSMUSG00000029401	RILPL2	-0.21882	0.178459	0.220135	0.288924
ENSMUSG00000067212	H2-T23	-0.21207	0.172958	0.220143	0.288924
ENSMUSG00000015882	LCORL	0.264623	0.215863	0.220243	0.289013
ENSMUSG00000030323	IFT122	-0.33277	0.271455	0.220245	0.289013
ENSMUSG00000068663	CLEC16A	0.157532	0.128575	0.220495	0.289319
ENSMUSG00000020284	1810043G02RII	0.150162	0.122569	0.220528	0.28934
ENSMUSG00000032528	VIPR1	-0.5086	0.415207	0.220602	0.289414
ENSMUSG00000057157	GM6054	-0.57533	0.469858	0.220775	0.289619
ENSMUSG00000075074	OLFR1254	-0.44808	0.366164	0.221062	0.289973
ENSMUSG00000040998	NPNT	-0.73948	0.604334	0.221091	0.289989
ENSMUSG00000049401	OGFR	0.10434	0.085311	0.22131	0.290253
ENSMUSG00000044864	ANKRD50	0.105658	0.086407	0.221407	0.290358
ENSMUSG00000036980	TAF6	-0.10751	0.087932	0.221469	0.290395
ENSMUSG00000075210	OLFR1012	-0.42944	0.351238	0.221466	0.290395
ENSMUSG00000032239	RP9	0.115864	0.094848	0.221866	0.290894
ENSMUSG00000067285	GM16223	0.626566	0.513177	0.222103	0.291181
ENSMUSG00000002017	FAM98A	0.12394	0.101535	0.222215	0.291305
ENSMUSG00000024778	FAS	0.230098	0.188578	0.222397	0.291522
ENSMUSG00000037725	CKAP2	1.043554	0.855401	0.22248	0.291608

ENSMUSG00000031862	ATP13A1	0.105316	0.086336	0.222529	0.29165
ENSMUSG00000027331	KNSTRN	0.885663	0.726082	0.222546	0.29165
ENSMUSG000000075268	GM10819	0.792351	0.649724	0.222647	0.291759
ENSMUSG000000080893	GM15920	0.863214	0.707944	0.222721	0.291834
ENSMUSG000000067722	BC003965	0.103345	0.084762	0.222753	0.291854
ENSMUSG000000017969	PTGIS	0.211042	0.17314	0.222876	0.291947
ENSMUSG000000049892	RASD1	0.536482	0.440115	0.22286	0.291947
ENSMUSG000000043458	PCDHB12	-0.36863	0.302442	0.222896	0.291951
ENSMUSG000000025531	CHM	-0.13227	0.108537	0.222978	0.292035
ENSMUSG000000047710	CHAMP1	0.120859	0.099183	0.22302	0.292067
ENSMUSG000000029446	PSPH	0.167294	0.137305	0.223069	0.29211
ENSMUSG000000020648	DUS4L	-0.14509	0.119091	0.223094	0.29212
ENSMUSG000000033697	ARHGAP39	0.23546	0.193446	0.223534	0.29265
ENSMUSG000000084111	GM15710	0.712501	0.585364	0.223531	0.29265
ENSMUSG000000034330	PLCG2	-0.20742	0.170444	0.223628	0.292751
ENSMUSG000000047182	IRS3	-0.61601	0.506452	0.223859	0.29303
ENSMUSG000000031878	NAE1	-0.11777	0.096833	0.223905	0.293068
ENSMUSG000000080709	GM14324	-0.29611	0.243483	0.223925	0.293072
ENSMUSG000000037053	AZGP1	-1.01864	0.837741	0.224009	0.293159
ENSMUSG000000064351	MT-CO1	-0.24586	0.202274	0.224177	0.293357
ENSMUSG000000027546	ATP9A	-0.10121	0.083275	0.224249	0.293428
ENSMUSG000000045435	TMEM60	0.109891	0.090434	0.224304	0.293478
ENSMUSG000000027255	ARFGAP2	0.109568	0.090196	0.224452	0.293648
ENSMUSG000000074832	2410141K09RII	-0.69207	0.569857	0.224569	0.293779
ENSMUSG000000027353	MCM8	0.165206	0.136053	0.224642	0.293852
ENSMUSG000000067698	GM10220	-0.76196	0.6278	0.224865	0.294121
ENSMUSG000000030109	SLC6A12	1.554123	1.280813	0.224981	0.294251
ENSMUSG000000052337	IMMT	-0.11077	0.091293	0.225018	0.294269
ENSMUSG000000091649	PHF11B	0.398662	0.328587	0.22503	0.294269
ENSMUSG000000028702	RAD54L	0.417854	0.344439	0.225075	0.294305
ENSMUSG000000017664	SLC35C2	0.126158	0.104019	0.225194	0.294431
ENSMUSG0000000110649	GM40466	-0.46114	0.380232	0.225206	0.294431
ENSMUSG000000054083	CAPN12	0.295778	0.243987	0.225408	0.294672
ENSMUSG000000021703	SERINC5	-0.10714	0.088391	0.225482	0.294746
ENSMUSG000000020420	ZFP607A	-0.1837	0.151592	0.225574	0.294844
ENSMUSG000000075327	ZBTB2	0.137598	0.113566	0.225661	0.294935
ENSMUSG000000039801	CPLANE1	-0.23805	0.196518	0.225766	0.295049
ENSMUSG000000004359	SPIC	0.491086	0.405462	0.225827	0.295107
ENSMUSG000000029875	CCDC184	-0.29047	0.239876	0.225926	0.295213
ENSMUSG000000014158	TRPV4	0.163884	0.135345	0.225949	0.29522
ENSMUSG000000027776	IL12A	0.668291	0.552107	0.226111	0.295387
ENSMUSG000000034648	LRRN1	-0.8137	0.672234	0.226107	0.295387
ENSMUSG000000026950	NEB	0.37126	0.306759	0.226176	0.295449
ENSMUSG000000027520	ZDBF2	0.516144	0.426516	0.226225	0.295489
ENSMUSG000000021072	TMX1	0.201305	0.166428	0.226447	0.295758
ENSMUSG000000021546	HNRNPK	0.100666	0.083241	0.226536	0.29585
ENSMUSG000000032290	PTPN9	0.172999	0.143107	0.226708	0.29603
ENSMUSG000000089943	UGT1A5	2.00789	1.660888	0.226691	0.29603
ENSMUSG000000022097	SFTPC	1.387607	1.148133	0.226825	0.29616
ENSMUSG000000026203	DNAJB2	0.231323	0.191421	0.226874	0.296178

ENSMUSG00000074207	ADH1	0.397632	0.329031	0.226858	0.296178
ENSMUSG00000002797	GGCT	0.131955	0.109215	0.226966	0.296276
ENSMUSG00000026727	RSU1	-0.14661	0.121397	0.227175	0.296512
ENSMUSG000000051706	OLFR1325	-0.42645	0.353123	0.227182	0.296512
ENSMUSG00000066072	CYP4A10	-0.67542	0.559403	0.22728	0.296617
ENSMUSG000000055531	CPSF6	-0.11258	0.093248	0.227317	0.296642
ENSMUSG00000018809	SMYD4	0.189113	0.156682	0.227438	0.296778
ENSMUSG000000081974	GM11960	0.333031	0.275986	0.227551	0.296879
ENSMUSG000000110297	GM45647	0.834212	0.691311	0.227544	0.296879
ENSMUSG000000024357	SIL1	0.155431	0.128813	0.227569	0.29688
ENSMUSG000000051003	OLFR161	-0.27857	0.230883	0.227609	0.29691
ENSMUSG00000019853	HEBP2	-0.50574	0.419185	0.227629	0.296913
ENSMUSG000000062797	HIKESHI	0.172005	0.142579	0.227668	0.29694
ENSMUSG000000021240	ABCD4	-0.14188	0.117747	0.228207	0.297621
ENSMUSG000000050058	PRM3	0.503666	0.418078	0.228313	0.297736
ENSMUSG000000002847	PLA1A	-0.15959	0.13248	0.228345	0.297755
ENSMUSG000000022472	DESI1	0.120478	0.100026	0.228408	0.297791
ENSMUSG000000062012	ZFP13	-0.20528	0.170427	0.228391	0.297791
ENSMUSG000000005465	IL27RA	-0.24105	0.200187	0.22855	0.297953
ENSMUSG000000046275	TRARG1	-0.22858	0.189849	0.228591	0.29798
ENSMUSG000000050505	PCDH20	-0.64084	0.532275	0.228605	0.29798
ENSMUSG000000025465	ECHS1	-0.18996	0.157797	0.228654	0.297998
ENSMUSG000000052609	PLEKHG3	0.115496	0.09594	0.228653	0.297998
ENSMUSG000000048915	EFNA5	-0.24035	0.199736	0.22885	0.298231
ENSMUSG000000029445	HPD	-0.79347	0.659466	0.228899	0.298249
ENSMUSG000000050966	LIN28A	0.666896	0.55425	0.228884	0.298249
ENSMUSG000000020838	SLC6A4	0.638601	0.530904	0.229032	0.298381
ENSMUSG000000022584	LY6C2	0.383694	0.318988	0.229036	0.298381
ENSMUSG000000036983	TFB1M	-0.18264	0.151869	0.229119	0.298467
ENSMUSG000000018168	IKZF3	-0.58626	0.487589	0.229225	0.298579
ENSMUSG000000020892	ALOXE3	0.646244	0.537499	0.22924	0.298579
ENSMUSG000000005682	PAN2	0.109571	0.091172	0.22944	0.298815
ENSMUSG000000025215	TLX1	-0.53762	0.447361	0.229459	0.298818
ENSMUSG000000030108	SLC6A13	-0.67705	0.563683	0.229706	0.299116
ENSMUSG000000008438	ADAM21	-0.6722	0.559718	0.229763	0.299167
ENSMUSG000000026425	SRGAP2	0.187853	0.156462	0.229894	0.299316
ENSMUSG000000029185	FAM114A1	-0.3246	0.270477	0.2301	0.299546
ENSMUSG000000030107	USP18	-0.401	0.334146	0.230107	0.299546
ENSMUSG000000029184	OLFR109	-0.41688	0.347399	0.230132	0.299557
ENSMUSG000000096210	H1FO	0.436508	0.363971	0.230414	0.2999
ENSMUSG000000015023	DDX19A	-0.13244	0.110462	0.230548	0.300029
ENSMUSG000000021210	AKR1C6	-1.45395	1.212651	0.230534	0.300029
ENSMUSG000000030246	LDHB	-0.20171	0.168301	0.230728	0.30024
ENSMUSG000000039452	SNX22	0.325102	0.271448	0.231051	0.300637
ENSMUSG000000059229	GM6802	-0.57246	0.478209	0.231272	0.300902
ENSMUSG000000021280	EXOC3L4	0.154375	0.129011	0.231464	0.301105
ENSMUSG000000021991	CACNA2D3	0.267562	0.223598	0.231454	0.301105
ENSMUSG000000063253	SCOC	-0.11022	0.092125	0.231539	0.30118
ENSMUSG000000035165	KCNE3	0.430428	0.359966	0.231796	0.301491
ENSMUSG000000004768	RAB23	-0.16227	0.13578	0.232038	0.301782

ENSMUSG00000057207	OLFR1028	0.323184	0.270495	0.232169	0.30193
ENSMUSG00000032479	MAP4	0.099233	0.083071	0.232262	0.302028
ENSMUSG00000022837	IQCB1	0.215394	0.180329	0.232301	0.302055
ENSMUSG00000048271	RBM33	-0.14893	0.124773	0.232641	0.302474
ENSMUSG00000022033	PBK	1.02089	0.855359	0.232665	0.302483
ENSMUSG00000020097	SGPL1	0.137776	0.11546	0.232761	0.302584
ENSMUSG00000027318	ADAM33	-0.28368	0.237812	0.232927	0.302776
ENSMUSG00000060969	IRX1	0.700118	0.586983	0.232971	0.302811
ENSMUSG00000111855	CR936839.3	-0.51128	0.428693	0.233004	0.302831
ENSMUSG00000049674	OLFR714	0.725702	0.608811	0.233262	0.303143
ENSMUSG00000026058	KHDRBS2	-0.54277	0.455405	0.233327	0.30318
ENSMUSG00000094989	RPL9-PS4	1.258931	1.056285	0.233321	0.30318
ENSMUSG00000027338	PRND	-0.52146	0.437723	0.233531	0.303422
ENSMUSG00000029121	CRMP1	-0.43414	0.36448	0.233603	0.30347
ENSMUSG00000034126	POMT2	0.110009	0.092356	0.233595	0.30347
ENSMUSG00000001494	SOST	-0.635	0.533452	0.233904	0.303837
ENSMUSG00000049436	UPK1B	0.548512	0.461001	0.234113	0.304086
ENSMUSG00000047213	YTHDF3	0.102353	0.08605	0.234257	0.304249
ENSMUSG00000024833	POLA2	0.209408	0.176114	0.234421	0.304416
ENSMUSG00000035713	USP35	-0.30668	0.257918	0.234421	0.304416
ENSMUSG00000006289	OSGEP	0.176363	0.14855	0.235138	0.3053
ENSMUSG00000070737	TMEM35B	0.289281	0.243655	0.235127	0.3053
ENSMUSG00000020923	UBTF	-0.17733	0.149381	0.235186	0.305315
ENSMUSG00000028034	FUBP1	-0.10193	0.085864	0.235173	0.305315
ENSMUSG00000021417	ECI2	-0.11959	0.100769	0.235298	0.305437
ENSMUSG00000025786	ZDHHC3	0.102081	0.086055	0.235532	0.305718
ENSMUSG00000020932	GFAP	1.392295	1.174105	0.235687	0.305854
ENSMUSG00000023960	ENPP5	-0.29276	0.246881	0.235691	0.305854
ENSMUSG00000039632	CCDC151	-0.47141	0.397522	0.235676	0.305854
ENSMUSG00000022685	PARN	-0.11886	0.100251	0.235791	0.305961
ENSMUSG00000034152	EXOC3	-0.09783	0.082559	0.236046	0.306245
ENSMUSG00000057654	OLFR328	-0.50016	0.422087	0.236031	0.306245
ENSMUSG00000020078	VPS26A	-0.09774	0.082515	0.236213	0.306414
ENSMUSG00000041308	SNTB2	-0.14067	0.118756	0.236196	0.306414
ENSMUSG00000057060	SLC35F3	1.057192	0.892575	0.236243	0.30643
ENSMUSG00000044847	LSM11	-0.159	0.134251	0.236277	0.30645
ENSMUSG00000020495	SMG8	0.137135	0.115847	0.236509	0.306728
ENSMUSG00000022210	DHRS4	-0.18501	0.156312	0.236568	0.306781
ENSMUSG00000066150	SLC31A1	-0.10057	0.085001	0.236758	0.307005
ENSMUSG00000034463	SCARA3	-0.23601	0.199494	0.236785	0.307015
ENSMUSG00000032308	ULK3	-0.15682	0.132619	0.237016	0.307291
ENSMUSG00000056481	CD248	-0.45089	0.381395	0.237116	0.307399
ENSMUSG00000061808	TTR	-1.21306	1.026261	0.237198	0.307481
ENSMUSG00000042417	CCNO	0.379282	0.321088	0.237508	0.307859
ENSMUSG00000036073	GALT	-0.18159	0.153775	0.237652	0.307999
ENSMUSG00000043286	PNPLA1	-0.38541	0.326366	0.23764	0.307999
ENSMUSG00000066900	SUDS3	0.155311	0.131585	0.237878	0.308269
ENSMUSG00000052712	BC004004	0.183889	0.155839	0.238004	0.308408
ENSMUSG00000056718	GM13199	0.392422	0.332649	0.238125	0.308541
ENSMUSG00000038518	JARID2	-0.16319	0.138378	0.238271	0.308691

ENSMUSG00000054920	KLHL5	-0.1885	0.159838	0.238277	0.308691
ENSMUSG000000107176	GM9794	0.695249	0.589732	0.238429	0.308864
ENSMUSG000000027349	FAM98B	0.102541	0.087008	0.238586	0.309044
ENSMUSG000000025318	JPH3	0.672396	0.570602	0.238639	0.309089
ENSMUSG000000026785	PKN3	-0.39628	0.336423	0.23883	0.309313
ENSMUSG000000022359	WDYHV1	0.176482	0.149841	0.238879	0.309353
ENSMUSG000000024370	CDC23	-0.12175	0.103481	0.239357	0.309948
ENSMUSG000000070717	GM10300	0.437591	0.371957	0.239412	0.309996
ENSMUSG000000021838	SAMD4	0.132442	0.112596	0.239492	0.310076
ENSMUSG000000045929	GM20715	0.479665	0.407833	0.239543	0.310118
ENSMUSG000000022421	NPTXR	0.178603	0.151908	0.239702	0.310301
ENSMUSG000000066180	GM10155	0.80546	0.685495	0.239993	0.310653
ENSMUSG000000020059	SYCP3	-0.31871	0.271311	0.240108	0.310779
ENSMUSG000000038116	PHF20	0.177026	0.150745	0.240258	0.310925
ENSMUSG000000040865	INO80D	0.128582	0.109491	0.240253	0.310925
ENSMUSG000000009585	APOBEC3	0.255877	0.217916	0.240315	0.310976
ENSMUSG000000009394	SYN2	0.31459	0.268022	0.240497	0.311187
ENSMUSG000000084308	GM14593	-0.53701	0.457774	0.24076	0.311504
ENSMUSG000000045540	OLFR600	0.375347	0.319988	0.240794	0.311524
ENSMUSG000000054733	MSRA	-0.099	0.084403	0.240815	0.311527
ENSMUSG000000082746	RPS12-PS1	-0.58978	0.502901	0.240897	0.31161
ENSMUSG000000062309	RPP25	0.251835	0.214814	0.241062	0.311799
ENSMUSG000000018001	CYTH3	0.113791	0.097069	0.241091	0.311813
ENSMUSG000000054940	OLFR137	0.57586	0.491404	0.241251	0.311997
ENSMUSG000000056214	PARD6G	-0.21856	0.186536	0.241325	0.312044
ENSMUSG000000068522	AARD	0.613789	0.523843	0.241316	0.312044
ENSMUSG000000029505	EP400	0.158347	0.135181	0.241451	0.312183
ENSMUSG000000098004	GM27027	0.488305	0.416971	0.241569	0.312312
ENSMUSG000000071000	OLFR155	0.534641	0.456795	0.241833	0.312606
ENSMUSG000000074280	GM6166	1.801867	1.539492	0.241828	0.312606
ENSMUSG000000035235	TRIM13	-0.13466	0.115118	0.242108	0.312938
ENSMUSG000000026380	TFCP2L1	-0.33627	0.287561	0.242247	0.313094
ENSMUSG000000028435	AQP3	0.601218	0.514395	0.24249	0.313384
ENSMUSG000000043633	FAM221B	0.285647	0.244449	0.242591	0.313491
ENSMUSG000000021772	NKIRAS1	0.105389	0.090235	0.242834	0.31378
ENSMUSG000000038095	SBNO1	0.121647	0.104164	0.242873	0.313788
ENSMUSG000000041997	TLK1	-0.13209	0.113106	0.242877	0.313788
ENSMUSG000000034893	COG3	0.101712	0.08712	0.24301	0.313936
ENSMUSG000000002949	TIMM44	-0.09681	0.082935	0.243066	0.313985
ENSMUSG000000007379	DENND2C	-0.26556	0.227712	0.24353	0.31456
ENSMUSG000000037295	LDLRAP1	0.155717	0.133636	0.243926	0.315048
ENSMUSG000000049686	ORAI1	-0.13657	0.117214	0.243959	0.315066
ENSMUSG000000057388	MRPL18	0.171874	0.147534	0.244027	0.31513
ENSMUSG000000000711	RAB5B	-0.0963	0.082669	0.244083	0.315178
ENSMUSG000000083012	FAM220A	-0.17368	0.149129	0.244178	0.315278
ENSMUSG000000044199	S1PR4	0.333964	0.286826	0.244284	0.315391
ENSMUSG000000038301	SNX10	0.131542	0.112985	0.244326	0.315421
ENSMUSG000000104217	GM37988	-0.87749	0.753874	0.244432	0.315533
ENSMUSG000000035967	INTS6L	0.11623	0.099862	0.244464	0.315551
ENSMUSG000000027887	SYPL2	-0.33533	0.288265	0.244714	0.315849

ENSMUSG00000069998	OLFR372	1.405534	1.208305	0.244737	0.315855
ENSMUSG00000010517	FAF1	0.103901	0.089332	0.244798	0.315909
ENSMUSG00000044708	KCNJ10	0.46215	0.397393	0.244847	0.315925
ENSMUSG00000047638	NR1H4	-0.36349	0.312551	0.244841	0.315925
ENSMUSG00000031391	L1CAM	-0.33278	0.286196	0.244928	0.316005
ENSMUSG00000021192	GOLGA5	0.097605	0.083963	0.245038	0.316124
ENSMUSG00000000531	GRASP	0.123537	0.10629	0.245127	0.316198
ENSMUSG00000025510	CD151	0.095586	0.082242	0.245133	0.316198
ENSMUSG00000029070	MXRA8	-0.53738	0.46266	0.245436	0.316564
ENSMUSG00000007989	FZD3	0.290415	0.250123	0.245607	0.316742
ENSMUSG00000026414	TNNT2	-0.14658	0.126254	0.245629	0.316742
ENSMUSG00000044250	PCED1B	0.21015	0.180997	0.245613	0.316742
ENSMUSG00000040276	PACSIN1	-0.51459	0.443293	0.245708	0.31682
ENSMUSG00000043388	TMEM130	0.43119	0.371514	0.245793	0.316905
ENSMUSG00000069899	GM12166	-0.78347	0.675376	0.246031	0.317188
ENSMUSG00000029708	GCC1	0.141534	0.122041	0.24616	0.317329
ENSMUSG00000050855	ZFP940	0.264332	0.228044	0.246404	0.31762
ENSMUSG00000030189	YBX3	0.14498	0.125145	0.246661	0.317927
ENSMUSG00000051934	SPATS2	-0.12395	0.107007	0.246717	0.317951
ENSMUSG00000060279	AP2A1	0.106379	0.091836	0.246714	0.317951
ENSMUSG00000062867	IMPDH2	0.236077	0.203846	0.246818	0.318057
ENSMUSG00000026043	COL3A1	0.464015	0.401055	0.247278	0.318626
ENSMUSG00000033762	RECQL4	0.265879	0.229821	0.247314	0.318648
ENSMUSG00000021700	RAB3C	0.413134	0.357123	0.247338	0.318654
ENSMUSG00000056919	CEP162	0.25813	0.223151	0.247374	0.318677
ENSMUSG00000022120	RNF219	-0.15086	0.130487	0.247621	0.318971
ENSMUSG00000024082	NDUFAF7	0.09888	0.085559	0.247808	0.319188
ENSMUSG00000037300	TTC13	0.106729	0.092391	0.248011	0.319425
ENSMUSG00000051095	OLFR986	0.191279	0.165735	0.24845	0.319965
ENSMUSG00000008976	GABPA	0.11583	0.100377	0.248525	0.320014
ENSMUSG00000030376	SLC8A2	-0.2415	0.209271	0.248507	0.320014
ENSMUSG00000032182	YIPF2	0.132554	0.114897	0.24863	0.320126
ENSMUSG00000038759	NUP205	0.122962	0.106609	0.24875	0.320255
ENSMUSG00000063354	SLC39A4	0.454592	0.394278	0.248922	0.320452
ENSMUSG00000026281	DTYMK	-0.12435	0.107943	0.24932	0.32094
ENSMUSG00000056342	USP34	0.109554	0.095112	0.249384	0.320998
ENSMUSG00000028138	ADH5	0.13998	0.121567	0.249543	0.321179
ENSMUSG00000024614	TMX3	-0.09834	0.085422	0.249635	0.321273
ENSMUSG00000022967	IFNAR1	0.121893	0.105895	0.249703	0.321336
ENSMUSG00000030826	BCAT2	0.227802	0.198039	0.250026	0.321728
ENSMUSG00000028072	NTRK1	-0.44769	0.389338	0.250197	0.321923
ENSMUSG00000048997	ATXN7L2	-0.17437	0.151685	0.250317	0.322054
ENSMUSG00000031143	CCDC22	0.120344	0.10476	0.250654	0.322462
ENSMUSG00000016255	TUBB1	-0.53165	0.463092	0.250947	0.322814
ENSMUSG00000063953	AMD2	-0.21266	0.185243	0.250972	0.322822
ENSMUSG00000028059	ARHGEF2	-0.13159	0.114674	0.251185	0.323072
ENSMUSG00000050812	ECPAS	0.097282	0.084793	0.251263	0.323147
ENSMUSG00000062190	LANCL2	-0.11271	0.098313	0.25163	0.323596
ENSMUSG00000066268	OLFR586	-0.4342	0.378813	0.251713	0.323631
ENSMUSG00000069910	SPDL1	0.842911	0.735388	0.251707	0.323631

ENSMUSG00000097386	9130213A22RI	-0.47041	0.410411	0.251715	0.323631
ENSMUSG00000082035	RPL17-PS8	0.864141	0.754108	0.251832	0.323757
ENSMUSG00000052417	OLFR720	0.700444	0.611344	0.251901	0.323821
ENSMUSG00000027160	CCDC34	-0.18355	0.160223	0.251964	0.323877
ENSMUSG00000064193	GM4735	0.758172	0.661982	0.252083	0.324005
ENSMUSG00000030451	HERC2	0.142013	0.124012	0.252146	0.324063
ENSMUSG00000087298	GM9392	0.568481	0.496461	0.252181	0.324083
ENSMUSG00000023262	ACY1	-0.27086	0.236636	0.252358	0.324286
ENSMUSG00000062044	LMTK3	-0.60922	0.532286	0.252406	0.324322
ENSMUSG00000071547	NT5DC2	-0.13618	0.119	0.252465	0.324374
ENSMUSG00000037166	PPP1R14A	-0.19939	0.174291	0.25261	0.324535
ENSMUSG00000018554	YBX2	0.316241	0.276464	0.252676	0.324568
ENSMUSG00000039706	LDB2	0.172214	0.150548	0.252658	0.324568
ENSMUSG00000047728	BC025446	-0.73351	0.641272	0.252692	0.324568
ENSMUSG00000097388	GM3200	0.234716	0.205237	0.252776	0.324651
ENSMUSG00000054036	OLFR279	-0.31362	0.274289	0.252869	0.324746
ENSMUSG00000020297	NSG2	0.483803	0.423235	0.252994	0.324882
ENSMUSG00000038208	PGAP3	0.127838	0.111847	0.253053	0.324933
ENSMUSG00000044712	SLC38A6	0.232935	0.203829	0.253123	0.324998
ENSMUSG00000002250	PPARD	0.1032	0.090444	0.253856	0.32591
ENSMUSG00000063506	ARHGAP22	0.294292	0.257926	0.253872	0.32591
ENSMUSG00000035936	ALDH5A1	-0.22268	0.195313	0.254226	0.326341
ENSMUSG00000035629	RUBCN	-0.09832	0.086304	0.254617	0.326818
ENSMUSG00000054745	GM9955	-0.30584	0.268535	0.254732	0.326915
ENSMUSG00000097221	1810049J17RIK	-0.19542	0.171577	0.254716	0.326915
ENSMUSG00000028910	MECR	0.111164	0.097772	0.25555	0.327941
ENSMUSG00000004415	COL26A1	-0.36023	0.317005	0.255812	0.328227
ENSMUSG00000079018	LY6C1	0.126514	0.111333	0.255804	0.328227
ENSMUSG00000035067	XKR6	0.282208	0.248415	0.255942	0.32837
ENSMUSG00000028622	MRPL37	0.14418	0.126923	0.255972	0.328383
ENSMUSG00000079033	MEF2B	0.817842	0.72029	0.256193	0.328594
ENSMUSG00000098781	GM28044	0.415094	0.365583	0.256194	0.328594
ENSMUSG000000104241	GM9442	-0.44379	0.390834	0.256164	0.328594
ENSMUSG00000036928	STAG3	0.493501	0.434681	0.256242	0.32863
ENSMUSG00000019256	AHR	-0.24537	0.216442	0.256944	0.329481
ENSMUSG00000040473	CFAP69	0.308159	0.27183	0.256943	0.329481
ENSMUSG00000021760	GPX8	-0.10542	0.093031	0.257158	0.329731
ENSMUSG00000040035	DISP2	0.581951	0.513788	0.257354	0.329919
ENSMUSG00000042564	FAM227A	0.204094	0.180183	0.257339	0.329919
ENSMUSG00000042726	TRAFD1	0.122324	0.108	0.257367	0.329919
ENSMUSG000000103711	TSTD1	-0.32429	0.28632	0.257383	0.329919
ENSMUSG00000068735	TRP53I11	0.322227	0.284982	0.258185	0.330921
ENSMUSG00000066491	COX6C2	0.670245	0.592843	0.25824	0.330967
ENSMUSG00000049382	KRT8	0.389607	0.34464	0.258276	0.330989
ENSMUSG00000037798	MAT1A	-0.56574	0.500498	0.258323	0.331024
ENSMUSG00000031302	NLGN3	-0.38855	0.343784	0.25838	0.331072
ENSMUSG00000027579	SRMS	0.336086	0.297441	0.258507	0.331204
ENSMUSG00000083534	H2-M6-PS	0.421069	0.372664	0.258522	0.331204
ENSMUSG00000056035	CYP3A11	-1.22572	1.084925	0.258573	0.331236
ENSMUSG00000070388	FBXO39	0.684559	0.605944	0.258586	0.331236

ENSMUSG00000074733	ZFP950	0.205013	0.181526	0.258734	0.331401
ENSMUSG00000096854	IFNZ	0.819844	0.726212	0.258926	0.331621
ENSMUSG00000004891	NES	0.232014	0.205562	0.259033	0.331734
ENSMUSG00000073842	MUP7	-0.86085	0.762973	0.259201	0.331924
ENSMUSG00000005566	TRIM28	0.193806	0.171841	0.259394	0.332145
ENSMUSG00000029101	RGS12	0.171353	0.151961	0.259483	0.332235
ENSMUSG00000030068	GM20696	-0.43763	0.388169	0.259559	0.332307
ENSMUSG00000021396	NXNL2	0.591405	0.52469	0.259679	0.332435
ENSMUSG00000025902	SOX17	0.326725	0.289922	0.259768	0.33251
ENSMUSG00000072772	GRCC10	0.221473	0.196529	0.259776	0.33251
ENSMUSG00000075121	OLFR1195	0.496785	0.440955	0.259906	0.332651
ENSMUSG00000028800	HDAC1	0.140136	0.124411	0.259999	0.332745
ENSMUSG00000044456	RIN3	0.214729	0.190672	0.260095	0.332842
ENSMUSG00000031343	GABRA3	-0.37202	0.330359	0.260116	0.332844
ENSMUSG00000021962	DCP1A	-0.10768	0.095626	0.260158	0.332872
ENSMUSG00000040710	ST8SIA4	-0.22483	0.199701	0.260231	0.332942
ENSMUSG00000063564	COL23A1	-0.26645	0.236756	0.260409	0.333144
ENSMUSG00000027774	GFM1	-0.1656	0.147234	0.260694	0.333484
ENSMUSG00000031380	VEGFD	-0.29784	0.264923	0.260909	0.333724
ENSMUSG00000056158	CAR10	0.579958	0.515877	0.260921	0.333724
ENSMUSG00000024817	UHRF2	0.120431	0.107143	0.261005	0.333806
ENSMUSG00000092470	GM20518	-0.25765	0.229252	0.261071	0.333864
ENSMUSG00000029581	FSCN1	0.220801	0.196503	0.261161	0.333955
ENSMUSG00000074657	KIF5A	0.266469	0.237161	0.261191	0.333969
ENSMUSG00000094806	CYP2D10	-0.85367	0.760021	0.261343	0.334138
ENSMUSG00000039959	HIP1	-0.1809	0.161141	0.261598	0.334438
ENSMUSG00000054304	D130007C19RI	0.478021	0.425993	0.261806	0.334678
ENSMUSG00000029174	TBC1D1	0.112915	0.100653	0.261935	0.334819
ENSMUSG00000031262	CENPI	0.593373	0.529028	0.26202	0.334903
ENSMUSG00000026196	BARD1	0.423415	0.377546	0.262079	0.334952
ENSMUSG00000063245	ZFP993	-0.21924	0.195512	0.262124	0.334985
ENSMUSG00000034796	CPNE7	0.573635	0.51168	0.262253	0.335124
ENSMUSG00000021963	SAP18	0.216558	0.193178	0.262277	0.335129
ENSMUSG000000108900	CCDC194	1.152907	1.028583	0.262343	0.335189
ENSMUSG00000045521	TSSK2	1.00908	0.900314	0.262369	0.335197
ENSMUSG00000038267	SLC22A23	0.155547	0.138887	0.262735	0.335638
ENSMUSG00000073768	OLFR1330	0.376739	0.336494	0.262884	0.335804
ENSMUSG00000020864	ANKRD40	0.094954	0.084864	0.263184	0.336162
ENSMUSG00000095990	ZFP97	-0.10777	0.096326	0.26322	0.336182
ENSMUSG00000049010	OLFR982	-0.50481	0.451247	0.263266	0.336216
ENSMUSG00000048911	RNF24	-0.14192	0.126941	0.263557	0.336562
ENSMUSG00000026578	CCDC181	-0.11341	0.101516	0.263935	0.33702
ENSMUSG00000032204	AQP9	0.405673	0.363235	0.264065	0.33716
ENSMUSG00000055254	NTRK2	-0.39277	0.351805	0.264237	0.337354
ENSMUSG00000059776	RPL13-PS6	0.823177	0.737848	0.264574	0.337759
ENSMUSG00000074577	RIPOR3	-0.36118	0.323818	0.264682	0.337872
ENSMUSG00000030325	KLRB1C	0.530802	0.475968	0.264763	0.33795
ENSMUSG00000003528	SLC25A1	0.167069	0.149895	0.265032	0.338243
ENSMUSG00000020687	CDC27	0.127649	0.114523	0.265014	0.338243
ENSMUSG00000079076	GM3086	-0.60223	0.540652	0.265326	0.338592

ENSMUSG00000029141	SLC4A1AP	0.132486	0.119014	0.265622	0.338945
ENSMUSG00000015533	ITGA2	-0.44826	0.402706	0.265656	0.338962
ENSMUSG00000024969	MARK2	-0.10881	0.097768	0.265718	0.339017
ENSMUSG00000018733	PEX12	-0.11668	0.10492	0.266105	0.339484
ENSMUSG00000084235	GM15421	0.613844	0.552392	0.266462	0.339915
ENSMUSG00000030236	SLCO1B2	-1.01039	0.90951	0.266605	0.340046
ENSMUSG00000090286	ENSMUSG000C	-0.52563	0.47313	0.266587	0.340046
ENSMUSG00000027513	PCK1	-0.79505	0.715923	0.266771	0.340231
ENSMUSG00000061731	EXT1	-0.11695	0.105357	0.266997	0.340495
ENSMUSG00000026977	Mar-07	0.109152	0.098346	0.267051	0.340512
ENSMUSG00000080790	GM7638	0.508757	0.458376	0.267037	0.340512
ENSMUSG00000038605	SAMD10	-0.18242	0.164383	0.267114	0.340567
ENSMUSG00000075105	OLFR1218	0.581905	0.524417	0.267162	0.340602
ENSMUSG00000072915	GM12258	-0.21597	0.194653	0.267208	0.340635
ENSMUSG00000060407	CYP2A12	-0.98497	0.888022	0.267356	0.340799
ENSMUSG00000008193	SPIB	0.449363	0.405288	0.267538	0.341005
ENSMUSG00000090394	4930523C07RII	-0.1962	0.177016	0.267691	0.341175
ENSMUSG00000024268	CELF4	0.324198	0.292579	0.267832	0.341329
ENSMUSG00000027204	FBN1	0.321857	0.290489	0.267869	0.34135
ENSMUSG00000029641	RASL11A	0.286783	0.258906	0.268004	0.341496
ENSMUSG00000010922	GM10297	0.215167	0.194276	0.268062	0.341545
ENSMUSG00000027669	GNB4	-0.2643	0.238649	0.268083	0.341546
ENSMUSG00000032766	GNG11	0.135908	0.122739	0.268168	0.341628
ENSMUSG00000015478	RNF5	0.100421	0.090701	0.268224	0.341674
ENSMUSG00000014601	STRIP1	0.0993	0.089729	0.268438	0.341921
ENSMUSG00000094958	3110021N24RI	0.41932	0.378972	0.268523	0.342004
ENSMUSG00000098240	GM4575	0.533261	0.482121	0.268696	0.342198
ENSMUSG00000040128	PNRC1	-0.18342	0.165881	0.268856	0.342377
ENSMUSG00000090100	TTBK2	0.367515	0.332413	0.2689	0.342407
ENSMUSG00000059486	KBTBD2	0.106872	0.096681	0.268985	0.342489
ENSMUSG00000048218	AMIGO2	0.162839	0.147338	0.269072	0.342549
ENSMUSG00000067071	HES6	-0.26349	0.238396	0.269053	0.342549
ENSMUSG00000005125	NDRG1	0.310177	0.280695	0.269146	0.342618
ENSMUSG00000059430	ACTG2	-0.736	0.666183	0.269245	0.342717
ENSMUSG00000022553	MAF1	-0.09353	0.084685	0.269423	0.342918
ENSMUSG00000032334	LOXL1	0.227473	0.206014	0.269523	0.342995
ENSMUSG00000090919	PABPC4L	-0.68364	0.619129	0.269506	0.342995
ENSMUSG00000039958	ETFBKMT	-0.21069	0.190853	0.269622	0.343095
ENSMUSG00000040413	TIMD2	-0.45837	0.415258	0.269672	0.343132
ENSMUSG00000035139	SECISBP2	-0.12895	0.116845	0.269781	0.343246
ENSMUSG00000057503	OLFR1459	-0.26805	0.242958	0.269907	0.34338
ENSMUSG00000022323	RIDA	-0.22786	0.206557	0.269978	0.343445
ENSMUSG00000016637	IFT27	0.133272	0.120863	0.270171	0.343638
ENSMUSG00000024789	JAK2	-0.15673	0.142129	0.270153	0.343638
ENSMUSG00000028475	SPAAR	-0.1399	0.126892	0.270247	0.34371
ENSMUSG00000090053	PALM2	-0.48781	0.442538	0.270336	0.343797
ENSMUSG00000017307	ACOT8	0.129974	0.11796	0.270527	0.344014
ENSMUSG00000022546	GPT	-0.30325	0.275344	0.27075	0.344272
ENSMUSG000000101415	GM28168	-0.51175	0.46474	0.270829	0.344347
ENSMUSG00000006782	CNP	-0.25124	0.22821	0.270929	0.344448

ENSMUSG00000039977	DEUP1	-0.67157	0.610345	0.271198	0.344765
ENSMUSG00000046753	CCDC66	-0.12199	0.110917	0.271421	0.345022
ENSMUSG00000075581	GM16409	0.575304	0.523496	0.271784	0.345457
ENSMUSG00000027582	ZGPAT	-0.09698	0.088305	0.272078	0.345806
ENSMUSG00000036109	MBNL3	-0.31587	0.28763	0.272132	0.345847
ENSMUSG00000098923	TMEM185B	-0.12029	0.109545	0.272179	0.345882
ENSMUSG00000002076	HSF2BP	0.434661	0.395881	0.272222	0.345911
ENSMUSG00000038879	NIPAL2	-0.95323	0.868786	0.272554	0.346306
ENSMUSG000000109975	GM19196	0.746675	0.680612	0.272613	0.346356
ENSMUSG00000040287	STAC3	-0.31518	0.287401	0.272787	0.346551
ENSMUSG00000001280	SP1	0.164124	0.149676	0.272847	0.346601
ENSMUSG00000080021	GM5915	0.380189	0.346868	0.273052	0.346835
ENSMUSG00000040016	PTGER3	1.113074	1.016091	0.273321	0.347138
ENSMUSG00000046159	CHRM3	0.461765	0.421541	0.273331	0.347138
ENSMUSG00000022757	TFG	0.100839	0.092082	0.273473	0.347293
ENSMUSG00000002997	PRKAR2B	0.37521	0.342752	0.273649	0.34749
ENSMUSG00000020834	DHRS13	-0.1933	0.176592	0.273694	0.347521
ENSMUSG00000040407	AKAP9	0.156499	0.143031	0.273883	0.347735
ENSMUSG00000037542	ALDH8A1	0.217537	0.19889	0.274062	0.347936
ENSMUSG00000089662	GM14057	0.25836	0.236243	0.274121	0.347986
ENSMUSG00000042202	SLC35E2	-0.12535	0.114653	0.274249	0.348121
ENSMUSG00000030713	KLK7	0.571158	0.522458	0.2743	0.34816
ENSMUSG00000045792	OLFR578	0.600313	0.549204	0.274367	0.34822
ENSMUSG00000040612	ILDR2	0.582139	0.532644	0.274427	0.348245
ENSMUSG00000057074	CES1G	-0.76432	0.699336	0.274428	0.348245
ENSMUSG00000029772	AHCYL2	0.204634	0.187305	0.274606	0.348445
ENSMUSG00000019471	CDC37	0.093729	0.085905	0.275237	0.349219
ENSMUSG00000047250	PTGS1	-0.31718	0.29089	0.275551	0.349591
ENSMUSG00000050097	CES2B	-0.39835	0.365475	0.27573	0.349792
ENSMUSG00000031105	SLC25A14	0.215909	0.19829	0.276218	0.350385
ENSMUSG00000020014	CFAP54	0.55252	0.507456	0.276241	0.350388
ENSMUSG00000075141	OLFR1160	-0.35927	0.33011	0.276445	0.35062
ENSMUSG00000062727	HIST1H2BK	1.855754	1.706693	0.276887	0.351155
ENSMUSG00000038167	PLEKHG6	0.300221	0.27633	0.277276	0.351599
ENSMUSG00000070704	UGT2B36	-1.20707	1.111015	0.277279	0.351599
ENSMUSG00000004558	NDRG2	0.107683	0.099185	0.277619	0.352005
ENSMUSG00000085603	GM11346	0.514046	0.473562	0.277705	0.352087
ENSMUSG000000100819	GM2693	0.328052	0.302231	0.277729	0.352091
ENSMUSG00000071532	GM10335	0.64707	0.596221	0.277795	0.352149
ENSMUSG00000078672	MUP20	-1.2934	1.192561	0.278116	0.35253
ENSMUSG00000021696	ELOVL7	0.304027	0.280407	0.278261	0.352686
ENSMUSG00000025573	6030468B19RII	0.58449	0.539525	0.278657	0.353163
ENSMUSG00000026764	KIF5C	-0.45047	0.415847	0.278689	0.353177
ENSMUSG00000021470	ERCC6L2	-0.11182	0.103246	0.278788	0.353212
ENSMUSG00000021820	CAMK2G	-0.13095	0.120894	0.278742	0.353212
ENSMUSG00000027661	SLC2A10	0.2827	0.261018	0.27878	0.353212
ENSMUSG00000028654	MYCL	0.507909	0.468975	0.2788	0.353212
ENSMUSG00000024160	SPSB3	-0.0967	0.08929	0.278835	0.35323
ENSMUSG00000030077	CHL1	-0.57504	0.531233	0.279049	0.353448
ENSMUSG00000079410	GM2897	0.411514	0.38016	0.279041	0.353448

ENSMUSG00000021619	ATG10	-0.15071	0.139263	0.27915	0.353546
ENSMUSG00000035683	MELK	0.942093	0.870542	0.279168	0.353546
ENSMUSG00000040325	DCAF1	-0.1078	0.099645	0.279339	0.353736
ENSMUSG00000098158	GM4804	-0.64663	0.597834	0.27942	0.353813
ENSMUSG00000080994	GM13464	0.22171	0.205055	0.279598	0.354011
ENSMUSG00000058488	KL	-0.36844	0.34087	0.279747	0.354174
ENSMUSG00000028977	CASZ1	0.110669	0.10244	0.279995	0.354459
ENSMUSG00000070939	TGFBRAP1	-0.10484	0.09705	0.280014	0.354459
ENSMUSG00000028080	LRBA	0.096485	0.089334	0.280123	0.35457
ENSMUSG00000060989	GM11847	0.339481	0.314412	0.280261	0.354719
ENSMUSG00000039994	TIMELESS	0.17627	0.163274	0.280323	0.354771
ENSMUSG00000072214	Sep-05	0.231542	0.21451	0.28041	0.354854
ENSMUSG00000025991	CPS1	-0.99097	0.918441	0.280604	0.355073
ENSMUSG00000073411	H2-D1	0.198046	0.183645	0.280847	0.355355
ENSMUSG00000062093	GM10110	0.373513	0.346715	0.28135	0.355964
ENSMUSG00000013663	PTEN	-0.14541	0.13504	0.281583	0.356232
ENSMUSG00000031173	OTC	-0.82904	0.770205	0.281751	0.356418
ENSMUSG00000032502	STAC	-0.83858	0.779202	0.281836	0.356499
ENSMUSG00000063820	ARL9	0.544141	0.505651	0.281874	0.356521
ENSMUSG00000093867	GSDMCL2	0.572638	0.532676	0.282365	0.357116
ENSMUSG00000042248	CYP2C37	-0.79801	0.742449	0.282446	0.357192
ENSMUSG00000034063	4930590J08RIK	0.339092	0.315623	0.282662	0.357438
ENSMUSG00000034255	ARHGAP27	0.156594	0.14577	0.28271	0.357472
ENSMUSG00000020844	NXN	0.12462	0.116033	0.282821	0.35756
ENSMUSG00000041837	PDCD7	0.297795	0.277267	0.282806	0.35756
ENSMUSG00000047446	ARL4A	0.109973	0.102488	0.28326	0.358065
ENSMUSG00000054422	FABP1	-1.45002	1.351351	0.283263	0.358065
ENSMUSG00000028167	BDH2	0.320441	0.299175	0.284132	0.359136
ENSMUSG00000043602	ZFP3	-0.12212	0.114048	0.284284	0.35928
ENSMUSG00000071489	PTGDR	-0.26306	0.245684	0.284288	0.35928
ENSMUSG00000071796	6820431F20RII	-0.09004	0.084095	0.284312	0.359284
ENSMUSG00000032110	ACRV1	0.573953	0.536241	0.284472	0.359459
ENSMUSG00000029420	RIMBP2	-0.30433	0.284614	0.284954	0.360041
ENSMUSG00000093536	SMIM17	-0.5712	0.534455	0.285178	0.360297
ENSMUSG00000029071	DVL1	-0.09001	0.084262	0.285445	0.360603
ENSMUSG00000079487	MED12	0.180169	0.168677	0.285462	0.360603
ENSMUSG00000095115	ITPRIPL2	-0.18775	0.175797	0.28553	0.360661
ENSMUSG00000030400	ERCC2	-0.13916	0.130478	0.286184	0.36146
ENSMUSG00000049339	RETREG2	0.103847	0.097383	0.286251	0.361519
ENSMUSG00000027552	E2F5	0.155119	0.145541	0.28651	0.361792
ENSMUSG00000097411	B430218F22RII	0.593346	0.556688	0.286491	0.361792
ENSMUSG00000025153	FASN	-0.23262	0.218299	0.286608	0.361889
ENSMUSG00000099998	GM6501	0.537117	0.504092	0.286643	0.361906
ENSMUSG00000032202	RAB27A	0.193727	0.181831	0.286685	0.361932
ENSMUSG00000067714	LPAR5	0.492389	0.462496	0.287041	0.362355
ENSMUSG00000003166	DGCR2	-0.08895	0.08357	0.287129	0.362439
ENSMUSG00000004207	PSAP	0.105925	0.099551	0.287313	0.362645
ENSMUSG00000042742	BMT2	-0.1032	0.097027	0.287484	0.362833
ENSMUSG00000094488	OLFR393	0.39348	0.370024	0.287606	0.36296
ENSMUSG00000041654	SLC39A11	0.221665	0.208533	0.287795	0.363172

ENSMUSG00000031661	NKD1	-0.27491	0.25872	0.287969	0.363365
ENSMUSG00000030431	TMEM238	0.248765	0.234173	0.288095	0.363495
ENSMUSG00000021364	ELOVL2	-0.72743	0.685383	0.288532	0.364021
ENSMUSG00000074238	AP1AR	-0.10781	0.101595	0.28861	0.364091
ENSMUSG00000026890	LHX6	0.334665	0.315428	0.288695	0.364172
ENSMUSG00000020491	2810021J22RIK	-0.2543	0.239706	0.288751	0.364215
ENSMUSG00000026604	PTPN14	0.137415	0.129693	0.289354	0.364891
ENSMUSG00000036596	CPZ	-0.56676	0.534914	0.289358	0.364891
ENSMUSG00000067199	FRAT1	-0.22238	0.209893	0.289372	0.364891
ENSMUSG00000082454	GM12183	0.552609	0.521538	0.289338	0.364891
ENSMUSG00000029621	ARPC1A	0.093383	0.088161	0.289494	0.365018
ENSMUSG00000042216	SGSM1	-0.35233	0.332688	0.289583	0.365102
ENSMUSG00000035601	TRMT10B	-0.24408	0.230508	0.289661	0.365173
ENSMUSG00000019478	RAB4A	0.417221	0.394077	0.289723	0.365225
ENSMUSG00000015127	UNKL	-0.1742	0.164626	0.289991	0.365535
ENSMUSG00000063683	GLYAT	-0.56169	0.531019	0.290169	0.365732
ENSMUSG00000058207	SERPINA3K	-0.64761	0.612306	0.290215	0.365763
ENSMUSG00000039990	EDRF1	0.196569	0.185886	0.290296	0.365838
ENSMUSG00000026975	DPH7	-0.18947	0.179222	0.290435	0.365986
ENSMUSG00000010362	RDM1	-0.18433	0.174394	0.290534	0.366084
ENSMUSG00000044647	CSRNP3	-0.82623	0.782232	0.290856	0.366462
ENSMUSG00000026646	SUV39H2	0.212564	0.201269	0.290912	0.366506
ENSMUSG00000041594	TMTC4	-0.13474	0.127657	0.291203	0.366845
ENSMUSG00000036006	RIPOR2	-0.1333	0.126314	0.291269	0.366901
ENSMUSG00000022314	RAD21	-0.08707	0.082521	0.291368	0.366976
ENSMUSG00000040328	OLFR56	0.337997	0.320341	0.291372	0.366976
ENSMUSG00000060376	BCKDHA	0.21007	0.199167	0.291543	0.367164
ENSMUSG00000033773	RPAP2	-0.1136	0.107721	0.291632	0.367249
ENSMUSG00000028524	SGIP1	0.191177	0.181313	0.291698	0.367305
ENSMUSG00000020100	SLC29A3	0.162726	0.154367	0.291814	0.367397
ENSMUSG00000040729	CEP126	-0.21432	0.203312	0.291814	0.367397
ENSMUSG00000020609	APOB	-0.83323	0.79083	0.292058	0.367676
ENSMUSG00000033423	ERI3	-0.09688	0.091961	0.292097	0.367699
ENSMUSG00000000317	BCL6B	-0.13676	0.129832	0.29218	0.367748
ENSMUSG00000022821	HGD	-0.88475	0.839929	0.292177	0.367748
ENSMUSG00000027329	SPEF1	0.330184	0.313553	0.292323	0.367901
ENSMUSG00000028410	DNAJA1	0.409266	0.388732	0.292422	0.367998
ENSMUSG00000029767	CALU	0.086694	0.082348	0.292448	0.368003
ENSMUSG00000078490	CFAP74	-0.19286	0.183209	0.29249	0.36803
ENSMUSG00000023456	TPI1	-0.09748	0.09264	0.292702	0.368268
ENSMUSG00000028614	NDC1	-0.12434	0.118182	0.292759	0.368313
ENSMUSG00000046337	FAM178B	-0.55694	0.529398	0.292786	0.368313
ENSMUSG000000109087	GM45105	-0.35664	0.339013	0.292802	0.368313
ENSMUSG00000043535	SETX	-0.15411	0.14651	0.292849	0.368344
ENSMUSG000000100967	GM29666	0.169359	0.161012	0.292875	0.368349
ENSMUSG00000055334	SNUPN	-0.14948	0.142168	0.293048	0.36854
ENSMUSG00000041236	VPS41	0.092193	0.087714	0.293228	0.368739
ENSMUSG00000041229	PHF8	0.112012	0.10659	0.29332	0.3688
ENSMUSG00000096144	B020004C17RII	0.595961	0.567109	0.293316	0.3688
ENSMUSG00000028218	FAM92A	-0.11495	0.109493	0.293811	0.36939

ENSMUSG00000034685	FAM171A2	-0.38476	0.366682	0.29404	0.369651
ENSMUSG00000080875	GM7332	0.329682	0.314412	0.294378	0.370048
ENSMUSG00000035168	TANC1	0.096237	0.091821	0.294595	0.370294
ENSMUSG00000004054	MAP3K11	0.153013	0.146101	0.294955	0.370719
ENSMUSG00000073900	OLFR704	-0.35851	0.342552	0.295289	0.371111
ENSMUSG00000042751	NMNAT2	0.558549	0.533809	0.295402	0.371225
ENSMUSG00000079183	C030005K15RII	-0.84934	0.811834	0.295467	0.37128
ENSMUSG00000041420	MEIS3	-0.16318	0.155995	0.295529	0.37133
ENSMUSG00000023022	LIMA1	-0.09678	0.092534	0.295634	0.371435
ENSMUSG00000021379	ID4	0.32339	0.309304	0.295772	0.371554
ENSMUSG00000053600	ZFP472	0.159267	0.152327	0.295766	0.371554
ENSMUSG00000028163	NFKB1	-0.08991	0.08603	0.295949	0.371748
ENSMUSG00000022339	EBAG9	0.097924	0.093723	0.296105	0.371916
ENSMUSG00000026331	SLCO6C1	-0.50612	0.484502	0.296198	0.371923
ENSMUSG00000075595	ZFP652	-0.09065	0.086777	0.29617	0.371923
ENSMUSG00000038975	RABGGTB	-0.15866	0.15201	0.296607	0.372409
ENSMUSG00000034543	MORC2A	0.121131	0.116077	0.296697	0.372495
ENSMUSG00000027470	MYLK2	0.564584	0.541152	0.29681	0.372581
ENSMUSG00000047907	TSHZ2	0.103228	0.098941	0.296796	0.372581
ENSMUSG00000034059	YPEL4	-0.24022	0.230306	0.296935	0.372711
ENSMUSG00000062826	CES2F	-0.27487	0.263541	0.296962	0.372717
ENSMUSG00000044566	CAGE1	0.186752	0.179086	0.297038	0.372785
ENSMUSG00000021794	GLUD1	0.087766	0.084181	0.297142	0.372887
ENSMUSG00000001910	NACC1	0.086371	0.082859	0.297234	0.372951
ENSMUSG00000044816	D630023F18RII	-0.5362	0.514408	0.297245	0.372951
ENSMUSG00000097185	GM26596	-0.48349	0.463858	0.297259	0.372951
ENSMUSG00000018559	CTDNEP1	-0.08935	0.085722	0.297282	0.372954
ENSMUSG00000042851	ZC3H6	0.133117	0.127749	0.297401	0.373076
ENSMUSG00000007570	FANCE	0.13416	0.128761	0.297444	0.373101
ENSMUSG00000007039	DDAH2	-0.22653	0.217428	0.297471	0.373108
ENSMUSG00000038535	ZFP280D	0.11404	0.109466	0.297509	0.373128
ENSMUSG00000074277	PHLDB3	0.383452	0.368269	0.29777	0.373428
ENSMUSG00000072963	GM10447	-0.37747	0.362675	0.297972	0.373654
ENSMUSG00000026603	SMYD2	0.086628	0.083246	0.298048	0.373721
ENSMUSG00000092124	B930094E09RII	-0.22185	0.213353	0.298422	0.374163
ENSMUSG00000025626	PHF6	-0.33513	0.322388	0.298558	0.374305
ENSMUSG00000035576	L3MBTL1	0.572229	0.550653	0.29872	0.37448
ENSMUSG00000028636	PPCS	0.10488	0.100944	0.29881	0.374566
ENSMUSG00000020261	SLC36A1	-0.12461	0.119975	0.29897	0.374739
ENSMUSG00000050199	LGR4	-0.19048	0.18341	0.299008	0.374759
ENSMUSG00000038533	CBFA2T2	0.16356	0.15751	0.299081	0.374823
ENSMUSG00000038624	NEPN	-0.27139	0.261465	0.29929	0.375056
ENSMUSG00000038754	ELOVL3	-1.0584	1.020222	0.299539	0.375341
ENSMUSG00000079808	AC168977.1	-0.94166	0.908118	0.299764	0.375579
ENSMUSG000000109368	GM45015	-0.39197	0.378011	0.299773	0.375579
ENSMUSG00000079511	GM42688	0.143595	0.138524	0.299917	0.375732
ENSMUSG00000083877	GM14740	-0.39037	0.376681	0.300047	0.375866
ENSMUSG00000021338	CARMIL1	0.248983	0.2403	0.300139	0.375954
ENSMUSG00000038859	BAIAP2L1	-0.16364	0.157962	0.300229	0.376039
ENSMUSG00000002384	BMP8B	0.448688	0.433304	0.300434	0.376268

ENSMUSG00000052407	CCDC171	-0.25735	0.248554	0.30048	0.376299
ENSMUSG00000046080	CLEC9A	-0.35742	0.345293	0.300617	0.376442
ENSMUSG00000023118	SYMPK	0.088042	0.085107	0.300911	0.376782
ENSMUSG00000073682	GM10563	0.61126	0.590959	0.300971	0.37683
ENSMUSG00000019577	PDK4	0.397465	0.384499	0.301265	0.377171
ENSMUSG00000037487	UBR5	-0.08706	0.084228	0.301337	0.377232
ENSMUSG00000024592	C330018D20RI	0.118359	0.114521	0.301366	0.377241
ENSMUSG00000022177	HAUS4	-0.33114	0.32045	0.301433	0.377297
ENSMUSG00000036721	ZSCAN12	0.119278	0.115461	0.301578	0.377451
ENSMUSG00000037851	IARS	-0.10342	0.100124	0.301629	0.377487
ENSMUSG00000020017	HAL	0.741925	0.718758	0.301964	0.377877
ENSMUSG00000044701	IL27	0.549592	0.532588	0.302107	0.378029
ENSMUSG00000020183	CPM	-0.17981	0.174268	0.302167	0.378048
ENSMUSG00000036737	OXSRI	0.088437	0.08571	0.302158	0.378048
ENSMUSG00000031403	DKC1	0.122197	0.118478	0.302359	0.378261
ENSMUSG00000069862	RPS12-PS9	0.580986	0.563385	0.302427	0.378318
ENSMUSG00000035293	G2E3	0.218185	0.211672	0.302651	0.37857
ENSMUSG00000036492	RNF39	0.281621	0.273412	0.302999	0.378978
ENSMUSG00000016487	PPFIBP1	0.151075	0.146712	0.303134	0.379081
ENSMUSG00000027490	E2F1	0.58314	0.566317	0.303148	0.379081
ENSMUSG00000097919	GM27021	1.414601	1.3737	0.303116	0.379081
ENSMUSG00000026683	NUF2	0.809102	0.78581	0.303179	0.379091
ENSMUSG00000063145	BBS5	-0.18033	0.175195	0.303321	0.379241
ENSMUSG00000079356	METTL4-PS1	0.451395	0.438711	0.303521	0.379463
ENSMUSG00000049420	TMEM200A	0.581629	0.565528	0.303728	0.379694
ENSMUSG00000055320	TEAD1	-0.12849	0.124953	0.303796	0.379723
ENSMUSG00000059921	UNC5C	0.459332	0.446667	0.303783	0.379723
ENSMUSG00000063952	BRPF3	-0.16354	0.159249	0.304457	0.380521
ENSMUSG00000035798	ZDHHC17	-0.09343	0.090991	0.304491	0.380535
ENSMUSG00000032356	RASGRF1	-0.37208	0.362596	0.304823	0.380922
ENSMUSG00000082884	GM13339	0.347004	0.338229	0.304918	0.381013
ENSMUSG00000031907	ZFP90	0.132512	0.129188	0.305019	0.381112
ENSMUSG000000111064	GM30285	0.586559	0.571917	0.305079	0.381158
ENSMUSG00000017548	SUZ12	-0.13269	0.129522	0.305604	0.381757
ENSMUSG00000027883	GPSM2	0.34935	0.340987	0.305588	0.381757
ENSMUSG00000038760	TRHR	-0.5124	0.500377	0.305822	0.382001
ENSMUSG00000040940	ARHGEF1	0.105926	0.10348	0.306006	0.382204
ENSMUSG000000100794	GM29667	0.376706	0.368026	0.306031	0.382207
ENSMUSG00000081052	GM6305	1.148437	1.123083	0.306509	0.382775
ENSMUSG00000039328	RNF122	-0.39592	0.387301	0.306664	0.382941
ENSMUSG00000098387	PET117	-1.28839	1.261002	0.306913	0.383224
ENSMUSG00000031600	VPS37A	0.11165	0.109317	0.30709	0.383416
ENSMUSG00000083567	GM11451	-0.64368	0.630385	0.307213	0.383542
ENSMUSG00000003037	RAB8A	0.133873	0.131136	0.307312	0.383609
ENSMUSG00000055994	NOD2	-0.16239	0.159069	0.307301	0.383609
ENSMUSG000000110124	GM4247	0.400915	0.392826	0.307448	0.383751
ENSMUSG00000025583	RPTOR	0.089527	0.087743	0.307568	0.383873
ENSMUSG00000061013	MKX	0.368428	0.36121	0.307736	0.384054
ENSMUSG00000053128	RNF26	0.150751	0.147973	0.308312	0.384744
ENSMUSG00000029844	HOXA1	0.47313	0.464513	0.308417	0.384799

ENSMUSG00000032890	RIMS3	0.649352	0.637523	0.308414	0.384799
ENSMUSG00000039197	ADK	0.089787	0.088153	0.308424	0.384799
ENSMUSG00000024039	CBS	0.587728	0.577745	0.309021	0.385459
ENSMUSG00000026463	ATP2B4	0.17344	0.170566	0.309225	0.385685
ENSMUSG00000022540	ROGDI	-0.11033	0.108585	0.309604	0.386129
ENSMUSG00000043673	KCNS3	0.569211	0.560247	0.309629	0.386132
ENSMUSG00000037370	ENPP1	0.165825	0.163223	0.309659	0.386141
ENSMUSG00000016503	GTF3A	0.090432	0.089038	0.30979	0.386277
ENSMUSG00000029088	KCNIP4	0.35699	0.351571	0.309909	0.386339
ENSMUSG00000035173	CCDC186	-0.18925	0.186379	0.309905	0.386339
ENSMUSG000000104097	GM37313	0.636265	0.626584	0.309891	0.386339
ENSMUSG00000030584	DPF1	0.676264	0.666216	0.310067	0.386497
ENSMUSG00000030638	SH3GL3	0.385537	0.37982	0.310081	0.386497
ENSMUSG00000030321	EFCAB12	-0.58413	0.575515	0.310124	0.386522
ENSMUSG00000029776	HIBADH	-0.14806	0.145911	0.310224	0.386618
ENSMUSG00000025921	RDH10	0.201584	0.198727	0.310402	0.386812
ENSMUSG00000017286	GLOD4	-0.09139	0.090104	0.310454	0.38682
ENSMUSG00000082107	GM16216	-0.59488	0.586492	0.310443	0.38682
ENSMUSG00000030929	ERI2	-0.30482	0.300572	0.310525	0.386881
ENSMUSG00000042790	RNF214	-0.1121	0.110552	0.310585	0.38692
ENSMUSG00000043531	SORCS1	0.428851	0.422987	0.310648	0.38692
ENSMUSG00000044293	OLFR794	-0.57857	0.57061	0.310602	0.38692
ENSMUSG00000070327	RNF213	-0.11283	0.111281	0.310627	0.38692
ENSMUSG00000042505	SDHAF3	0.10788	0.106482	0.311	0.387329
ENSMUSG00000012428	STEAP4	0.273391	0.269944	0.311171	0.387515
ENSMUSG00000024391	APOM	-0.37389	0.369195	0.311199	0.387521
ENSMUSG00000048067	OLFR1349	-0.52331	0.51683	0.311278	0.387591
ENSMUSG00000078141	GM2399	0.871726	0.86101	0.311325	0.387621
ENSMUSG00000028920	FBXO42	0.129589	0.128011	0.311381	0.387662
ENSMUSG00000036678	AAAS	-0.17974	0.177564	0.311409	0.387668
ENSMUSG00000059237	PPP1R2-PS4	0.980858	0.969044	0.311447	0.387687
ENSMUSG00000062101	ZFP119B	0.159008	0.157224	0.311852	0.388164
ENSMUSG00000074164	VMN2R-PS54	0.374543	0.370381	0.311903	0.388198
ENSMUSG00000020393	KREMEN1	0.107418	0.106276	0.312138	0.388462
ENSMUSG00000050772	OLFR1124	0.378557	0.374655	0.312297	0.388632
ENSMUSG00000029343	CRYBB1	-0.37284	0.36924	0.312618	0.389003
ENSMUSG00000042473	TBC1D8B	-0.18701	0.185222	0.31265	0.389014
ENSMUSG00000044042	FMN1	1.116117	1.105542	0.312703	0.389052
ENSMUSG00000029414	KNTC1	0.809892	0.802379	0.3128	0.389144
ENSMUSG00000013367	IGLON5	-0.44023	0.436265	0.31293	0.389276
ENSMUSG00000036291	AP5M1	-0.11153	0.110546	0.313019	0.389359
ENSMUSG00000038679	TRPS1	-0.16771	0.166265	0.313134	0.389474
ENSMUSG00000023892	ZFP51	0.116437	0.115468	0.313263	0.389606
ENSMUSG00000064357	MT-ATP6	0.160866	0.159746	0.31393	0.390406
ENSMUSG00000047797	GJB1	-0.97304	0.966585	0.314088	0.390574
ENSMUSG00000059908	MUG1	-0.91893	0.913065	0.314213	0.390701
ENSMUSG00000026715	SERPINC1	-0.62936	0.625506	0.314338	0.390827
ENSMUSG00000094810	OLFR907	-0.40343	0.401028	0.31442	0.390875
ENSMUSG000000101841	GM11993	0.68863	0.684532	0.314422	0.390875
ENSMUSG00000056921	OLFR394	-0.362	0.359982	0.31461	0.39108

ENSMUSG00000036743	PSMA8	-0.64905	0.646137	0.315132	0.3917
ENSMUSG00000021047	NOVA1	0.167003	0.166322	0.315333	0.391922
ENSMUSG00000038403	HFE2	-0.10697	0.106544	0.315377	0.391948
ENSMUSG00000059439	BCAS3	-0.13911	0.138618	0.315591	0.392185
ENSMUSG00000059146	NTRK3	-0.36575	0.364552	0.315726	0.392324
ENSMUSG00000062115	RAI1	-0.09135	0.091141	0.316196	0.392879
ENSMUSG00000044950	PWWP2A	-0.10879	0.108546	0.31623	0.392893
ENSMUSG00000020088	SAR1A	0.084271	0.084123	0.316458	0.393148
ENSMUSG00000000409	LCK	0.442091	0.441608	0.316782	0.393463
ENSMUSG00000030730	ATP2A1	0.274794	0.274484	0.316764	0.393463
ENSMUSG00000084838	GM10241	-1.7233	1.72129	0.316745	0.393463
ENSMUSG00000033276	STK36	0.32963	0.329512	0.317138	0.393847
ENSMUSG00000079605	ZBTB9	1.522361	1.521757	0.317118	0.393847
ENSMUSG00000024907	GAL	-0.36856	0.36849	0.317224	0.393898
ENSMUSG00000099615	GM28362	0.575735	0.575633	0.317225	0.393898
ENSMUSG00000053870	FPGT	0.302988	0.302975	0.317289	0.393949
ENSMUSG00000021488	NSD1	-0.11558	0.115626	0.317487	0.394165
ENSMUSG00000024899	PAPSS2	-0.2011	0.201229	0.31762	0.394302
ENSMUSG00000020914	TOP2A	0.516232	0.5166	0.317655	0.394317
ENSMUSG00000059461	GM7331	0.332552	0.332986	0.317942	0.394645
ENSMUSG00000051124	GIMAP9	0.18944	0.189841	0.318334	0.395102
ENSMUSG00000030096	SLC6A6	0.353483	0.355028	0.319421	0.396422
ENSMUSG00000039531	ZUP1	0.151418	0.152262	0.319999	0.39711
ENSMUSG00000026077	NPAS2	-0.27236	0.273957	0.320147	0.397236
ENSMUSG00000073409	H2-Q6	-0.43217	0.434703	0.320144	0.397236
ENSMUSG00000061028	CLASRP	0.113257	0.11398	0.320392	0.397511
ENSMUSG00000035236	SCAI	0.159683	0.160828	0.320768	0.397923
ENSMUSG00000043346	GM6741	0.621213	0.625671	0.320771	0.397923
ENSMUSG00000027881	PRPF38B	0.085999	0.086645	0.320933	0.398095
ENSMUSG00000028718	STIL	0.438987	0.442614	0.321292	0.398487
ENSMUSG00000064202	4430402I18RIK	-0.24907	0.25113	0.321296	0.398487
ENSMUSG00000063663	BRWD3	0.238697	0.240767	0.321489	0.398697
ENSMUSG00000039193	NLRC4	0.240379	0.24261	0.321781	0.39903
ENSMUSG00000045237	1110012L19RIH	-0.10459	0.105596	0.321947	0.399206
ENSMUSG00000043036	CCDC63	0.275404	0.278149	0.322111	0.39938
ENSMUSG00000018339	GPX3	0.154242	0.155817	0.322226	0.399494
ENSMUSG00000045657	PCDHB10	-0.43825	0.443053	0.32258	0.399904
ENSMUSG00000020848	DOC2B	0.389151	0.393577	0.322783	0.400126
ENSMUSG00000061859	PATJ	-0.1975	0.19988	0.323104	0.400496
ENSMUSG00000037111	SETD7	0.120763	0.122243	0.323204	0.40059
ENSMUSG00000097854	GM26602	0.969064	0.981083	0.323276	0.40065
ENSMUSG00000041707	TMEM273	0.407952	0.413088	0.323365	0.400731
ENSMUSG00000009145	DQX1	-0.2161	0.219044	0.323853	0.401306
ENSMUSG00000030909	ANKS4B	-0.51578	0.522948	0.323986	0.401442
ENSMUSG00000052305	HBB-BS	0.465884	0.472406	0.324038	0.401477
ENSMUSG00000078197	GM17374	-0.52023	0.527607	0.324123	0.401553
ENSMUSG00000020108	DDIT4	0.201015	0.20389	0.324181	0.401567
ENSMUSG00000090840	1700092M07R	0.60725	0.615909	0.324162	0.401567
ENSMUSG00000024283	WAC	-0.09324	0.094631	0.324478	0.401904
ENSMUSG00000055033	OLFR420	0.439171	0.445748	0.324503	0.401907

ENSMUSG00000020910	ADPRM	0.196219	0.199391	0.325071	0.402581
ENSMUSG00000028873	CDCA8	0.294797	0.299909	0.325629	0.403243
ENSMUSG00000074269	REC114	0.324094	0.329821	0.325786	0.403408
ENSMUSG00000079598	CLEC2L	-0.31782	0.323492	0.325863	0.40345
ENSMUSG00000111163	GM46136	0.223928	0.227923	0.325868	0.40345
ENSMUSG00000045100	SLC25A26	-0.13144	0.133832	0.326053	0.40365
ENSMUSG00000019734	TMC4	0.179295	0.182638	0.326249	0.403834
ENSMUSG00000047842	DIRAS2	-0.50716	0.516592	0.326231	0.403834
ENSMUSG00000066113	ADAMTSL1	-0.41161	0.419508	0.326506	0.404122
ENSMUSG00000032621	SREK1	0.092156	0.093998	0.326886	0.404563
ENSMUSG00000038534	OSBPL7	-0.15105	0.154097	0.326986	0.404657
ENSMUSG00000034177	RNF43	1.156362	1.180121	0.327152	0.404805
ENSMUSG00000038827	FAM206A	-0.15428	0.157453	0.327154	0.404805
ENSMUSG00000030498	GAS2	-0.17299	0.176587	0.327266	0.404915
ENSMUSG00000048732	KLHL11	0.124563	0.127285	0.327772	0.405511
ENSMUSG00000000724	CRYBA1	0.585885	0.598978	0.328005	0.40577
ENSMUSG00000038692	HOXB4	-0.3067	0.31363	0.328118	0.405881
ENSMUSG00000001729	AKT1	-0.08103	0.082939	0.328571	0.406263
ENSMUSG00000019810	FUCA2	-0.08092	0.082809	0.32848	0.406263
ENSMUSG00000030621	ME3	-0.12018	0.123003	0.328524	0.406263
ENSMUSG00000042487	LEO1	0.088556	0.090635	0.328542	0.406263
ENSMUSG00000049285	MBLAC1	0.244033	0.249772	0.328557	0.406263
ENSMUSG00000064120	MOCS1	-0.11011	0.112676	0.328471	0.406263
ENSMUSG00000054203	IFI205	0.285234	0.292	0.328654	0.406336
ENSMUSG00000018076	MED13L	0.087372	0.089455	0.328715	0.406382
ENSMUSG00000013787	EHMT2	0.088615	0.090734	0.328742	0.406386
ENSMUSG00000034602	MON2	0.081213	0.083168	0.328821	0.406454
ENSMUSG00000021884	HACL1	0.130526	0.133706	0.328959	0.406594
ENSMUSG00000000154	SLC22A18	-0.64347	0.659416	0.329155	0.406807
ENSMUSG00000028114	METTL14	-0.08879	0.090993	0.329184	0.406813
ENSMUSG00000001089	LUZP1	0.084483	0.086609	0.329336	0.406972
ENSMUSG00000041199	RPUSD1	0.126703	0.12994	0.329514	0.407162
ENSMUSG00000019789	HEY2	0.144624	0.148342	0.329594	0.407231
ENSMUSG00000036941	ELAC1	0.092875	0.09531	0.32983	0.407464
ENSMUSG00000047766	LRRC49	-0.12798	0.131339	0.329826	0.407464
ENSMUSG00000042625	SAFB2	-0.11178	0.114758	0.330047	0.407703
ENSMUSG00000073753	GM10571	-0.51445	0.528614	0.330449	0.408169
ENSMUSG00000022214	DCAF11	0.149043	0.153164	0.330508	0.408212
ENSMUSG00000078599	SKINT8	0.220715	0.22688	0.33064	0.408346
ENSMUSG00000040550	OTUD6B	-0.08565	0.088054	0.330688	0.408349
ENSMUSG00000051703	TMEM198	-0.30151	0.309962	0.330691	0.408349
ENSMUSG00000095193	GM20939	-0.31254	0.321374	0.330802	0.408397
ENSMUSG00000103986	GM5539	0.565256	0.581189	0.330759	0.408397
ENSMUSG00000109764	KLKB1	-0.70988	0.729923	0.330782	0.408397
ENSMUSG00000024862	KLC2	0.087185	0.089729	0.331229	0.408895
ENSMUSG00000047248	C2CD3	-0.13417	0.138201	0.331616	0.409343
ENSMUSG00000015290	UBL4A	0.084202	0.086747	0.33172	0.409441
ENSMUSG00000034075	ZDHHCS	-0.09586	0.098771	0.331776	0.409481
ENSMUSG00000046311	ZFP62	0.143395	0.147757	0.331806	0.409488
ENSMUSG00000027298	TYRO3	-0.2666	0.274888	0.332129	0.409831

ENSMUSG00000022237	ANKRD33B	-0.20077	0.207058	0.332225	0.409886
ENSMUSG00000022416	CACNA1I	-0.53203	0.548825	0.33235	0.41001
ENSMUSG00000025425	ST8SIA5	-0.43526	0.44912	0.332477	0.410132
ENSMUSG00000079022	COL22A1	-0.55911	0.576935	0.332497	0.410132
ENSMUSG00000021636	MARVELD2	0.254104	0.262227	0.332534	0.410139
ENSMUSG00000031979	COG2	-0.09085	0.093761	0.332551	0.410139
ENSMUSG00000061298	AGBL4	-0.47532	0.490621	0.332641	0.41022
ENSMUSG00000046378	ASPHD1	-0.47056	0.485735	0.332669	0.410225
ENSMUSG00000067121	GM7027	0.511001	0.527522	0.332704	0.410239
ENSMUSG000000103318	GM38356	0.247325	0.255351	0.332761	0.410278
ENSMUSG00000047462	GPR141B	-0.47857	0.494304	0.332963	0.410498
ENSMUSG00000079262	SLCO1A6	0.420235	0.434198	0.333124	0.410667
ENSMUSG00000040511	PVR	0.161334	0.166754	0.333297	0.41085
ENSMUSG00000024378	STARD4	-0.17975	0.185824	0.333387	0.410931
ENSMUSG00000036879	PHKB	0.156333	0.161682	0.333585	0.411145
ENSMUSG00000028089	CHD1L	0.087594	0.090638	0.333838	0.411428
ENSMUSG00000074480	MEX3A	-0.20462	0.212091	0.334666	0.412418
ENSMUSG00000069372	CTXN3	-0.45497	0.471699	0.334778	0.412526
ENSMUSG00000037876	JMJD1C	0.232188	0.240752	0.334831	0.412562
ENSMUSG00000020941	MAP3K14	0.145714	0.15122	0.335253	0.413051
ENSMUSG00000032253	PHIP	-0.19097	0.198545	0.33613	0.414102
ENSMUSG00000029128	RAB28	-0.08886	0.092396	0.336166	0.414116
ENSMUSG00000093416	GM18294	0.318394	0.331322	0.336562	0.414574
ENSMUSG00000016150	TENM1	-0.44085	0.45902	0.336845	0.414892
ENSMUSG00000026526	FH1	-0.1366	0.142281	0.337004	0.415049
ENSMUSG00000083219	GM11410	-0.51783	0.53937	0.337021	0.415049
ENSMUSG00000075394	HOXC4	-0.66741	0.695435	0.337204	0.415244
ENSMUSG00000020514	MRPL22	-0.09205	0.096014	0.33768	0.415769
ENSMUSG00000033707	LRRC24	-0.1256	0.130995	0.337664	0.415769
ENSMUSG00000033427	UPB1	0.210654	0.219907	0.338102	0.41626
ENSMUSG000000108908	OLFR1293-PS	-0.51169	0.534232	0.338159	0.4163
ENSMUSG00000019874	FABP7	0.363446	0.379841	0.338649	0.416873
ENSMUSG00000066878	GM10184	-3.16711	3.311583	0.338883	0.41713
ENSMUSG00000023019	GPD1	-0.18992	0.198613	0.338956	0.41719
ENSMUSG00000041073	NACAD	0.259918	0.271936	0.33917	0.417424
ENSMUSG00000098715	GM28053	-0.42088	0.440744	0.339616	0.417942
ENSMUSG00000024646	CYB5A	0.232346	0.243548	0.340081	0.418484
ENSMUSG00000036503	RNF13	0.106781	0.111983	0.340313	0.418699
ENSMUSG000000103441	7530428D23RI	0.425681	0.446791	0.340716	0.419143
ENSMUSG00000030780	BC017158	-0.12185	0.127932	0.340853	0.419279
ENSMUSG00000050668	GPATCH11	-0.08664	0.090966	0.340876	0.419279
ENSMUSG00000030317	TIMP4	0.226009	0.237341	0.340968	0.419362
ENSMUSG00000030911	ZP2	-0.41327	0.434217	0.341223	0.419616
ENSMUSG00000098019	GM2546	0.36191	0.380252	0.341216	0.419616
ENSMUSG00000028879	STX12	0.080753	0.084862	0.341312	0.419694
ENSMUSG00000002588	PON1	-0.9503	0.999141	0.341546	0.419951
ENSMUSG00000012609	TTLL5	-0.10287	0.108173	0.341617	0.420008
ENSMUSG00000019942	CDK1	0.797935	0.839132	0.341652	0.420022
ENSMUSG00000009092	DERL3	0.460714	0.484736	0.341887	0.420244
ENSMUSG00000020883	FBXL20	-0.15552	0.163641	0.341908	0.420244

ENSMUSG00000027803	WWTR1	0.078576	0.082674	0.341895	0.420244
ENSMUSG00000043614	VPS37D	0.263284	0.277331	0.342443	0.420871
ENSMUSG00000078619	SMARCD2	0.108486	0.114285	0.342488	0.420896
ENSMUSG00000040570	RUNDC3B	-0.30598	0.322459	0.342682	0.421104
ENSMUSG00000027287	SNAP23	-0.09003	0.094906	0.342808	0.421228
ENSMUSG00000070025	GM10284	0.252535	0.2664	0.343154	0.421623
ENSMUSG00000057722	LEPR	-0.34265	0.361576	0.343304	0.421777
ENSMUSG00000030562	NOX4	-0.2407	0.254018	0.343345	0.421797
ENSMUSG00000030019	FBXL14	-0.09036	0.095385	0.34348	0.42193
ENSMUSG00000038276	ASIC3	-0.2415	0.254947	0.343503	0.42193
ENSMUSG00000021259	CYP46A1	-0.22034	0.232778	0.343853	0.42233
ENSMUSG00000028684	UROD	0.128708	0.136005	0.343972	0.422444
ENSMUSG00000026036	NIF3L1	0.107992	0.11417	0.344204	0.422683
ENSMUSG00000030732	CHRD12	-0.43254	0.457291	0.344216	0.422683
ENSMUSG00000026874	HC	-0.42778	0.452319	0.344272	0.422721
ENSMUSG00000002486	TCHP	-0.2258	0.238841	0.344454	0.422915
ENSMUSG00000029869	EPHB6	-0.54396	0.575457	0.34452	0.422965
ENSMUSG00000037905	BRI3BP	0.142884	0.151223	0.344733	0.423195
ENSMUSG00000011958	BNIP2	0.079251	0.083908	0.344914	0.42333
ENSMUSG00000020493	PRR11	0.475238	0.503215	0.344963	0.42333
ENSMUSG00000031896	CTRL	-0.30786	0.32597	0.344947	0.42333
ENSMUSG00000050677	CCDC96	0.240058	0.254192	0.344967	0.42333
ENSMUSG00000073530	PAPPA2	0.568038	0.601389	0.344892	0.42333
ENSMUSG00000042548	ASXL1	0.123898	0.131234	0.345117	0.423483
ENSMUSG00000019845	TUBE1	-0.21218	0.225011	0.345697	0.424165
ENSMUSG00000029102	HGFAC	-0.35637	0.377956	0.345739	0.424186
ENSMUSG00000090551	A730015C16RI	-0.39466	0.418777	0.34598	0.42445
ENSMUSG00000016552	FOXRED2	0.220485	0.234109	0.346291	0.424771
ENSMUSG00000052477	C130026I21RIK	0.498707	0.529516	0.346286	0.424771
ENSMUSG000000111287	ENSMUSG000C	-1.97758	2.101593	0.346711	0.425254
ENSMUSG00000049550	CLIP1	0.086065	0.09148	0.346806	0.42534
ENSMUSG00000048031	FCRL5	0.540461	0.574637	0.346948	0.425484
ENSMUSG00000046168	KCNRG	-0.30075	0.31978	0.346974	0.425485
ENSMUSG00000010461	EYA4	-0.48905	0.520061	0.347025	0.425517
ENSMUSG00000089855	ENSMUSG000C	0.293475	0.312206	0.347216	0.425721
ENSMUSG00000041596	NLRP5-PS	-0.34758	0.370071	0.347616	0.42618
ENSMUSG00000052105	MTCL1	-0.2465	0.262466	0.347647	0.426188
ENSMUSG00000029217	TEC	0.096752	0.103028	0.347687	0.426206
ENSMUSG00000022892	APP	-0.0779	0.082992	0.347884	0.426417
ENSMUSG00000024286	CCNY	0.100757	0.10736	0.347989	0.426515
ENSMUSG00000027254	MAP1A	-0.21707	0.231324	0.34805	0.426558
ENSMUSG000000108852	GM44911	-0.95799	1.02111	0.348148	0.426647
ENSMUSG00000001774	CHORDC1	-0.17116	0.182468	0.34824	0.426699
ENSMUSG00000027099	MTX2	-0.07928	0.084517	0.348219	0.426699
ENSMUSG00000093775	VMN2R-PS114	-0.30943	0.329949	0.348345	0.426797
ENSMUSG00000033751	GADD45GIP1	-0.24445	0.260753	0.348519	0.426979
ENSMUSG00000055872	GM9985	0.507239	0.541116	0.348555	0.426993
ENSMUSG00000037816	FBXW17	0.246872	0.263462	0.348743	0.427192
ENSMUSG00000098006	GM8565	-0.86313	0.921489	0.348932	0.427392
ENSMUSG00000005267	ZFP287	-0.16098	0.171915	0.34907	0.427531

ENSMUSG00000017421	ZFP207	0.11536	0.123262	0.349326	0.427807
ENSMUSG00000024955	ESRRA	-0.16399	0.175229	0.349346	0.427807
ENSMUSG00000020732	RAB37	-0.27986	0.299162	0.349533	0.427974
ENSMUSG00000023015	RACGAP1	0.490697	0.524526	0.349528	0.427974
ENSMUSG00000027304	RTF1	-0.10578	0.113096	0.34962	0.42805
ENSMUSG00000027363	USP8	0.085897	0.091866	0.349775	0.428209
ENSMUSG00000029847	SLC23A4	-0.38583	0.4127	0.349839	0.428256
ENSMUSG00000078896	ZFP965	-0.19012	0.203374	0.349881	0.428277
ENSMUSG00000057230	AAK1	-0.20698	0.221431	0.349933	0.428284
ENSMUSG00000062456	RPL9-PS6	0.633317	0.677554	0.349937	0.428284
ENSMUSG00000085442	GM3362	0.437943	0.469018	0.350436	0.428863
ENSMUSG00000062312	ERBB2	0.191142	0.204912	0.350923	0.429429
ENSMUSG00000039741	BAHCC1	-0.13971	0.149961	0.351532	0.430143
ENSMUSG00000043857	MGAT5B	-0.37833	0.406239	0.351703	0.430322
ENSMUSG00000036372	TMEM258	0.098974	0.106288	0.351757	0.430356
ENSMUSG00000041702	BTBD7	-0.11465	0.123188	0.351996	0.430618
ENSMUSG00000063394	OLFR293	-0.29397	0.315912	0.352095	0.430707
ENSMUSG00000026939	TMEM141	0.089091	0.095759	0.35218	0.430749
ENSMUSG00000082676	GM11843	-0.47698	0.512678	0.352177	0.430749
ENSMUSG00000026069	IL1RL1	-0.23512	0.252937	0.352595	0.431195
ENSMUSG00000059729	OLFR1385	0.120486	0.129611	0.35258	0.431195
ENSMUSG00000041483	ZFP281	0.087087	0.09376	0.352977	0.431587
ENSMUSG00000044528	TRAM1L1	0.372572	0.401132	0.352992	0.431587
ENSMUSG00000049577	ZFPM1	-0.15444	0.16628	0.352984	0.431587
ENSMUSG00000029245	EPHA5	0.206179	0.222101	0.353244	0.431857
ENSMUSG00000094200	OLFR237-PS1	-0.91365	0.984243	0.353264	0.431857
ENSMUSG00000046897	ZFP740	0.089652	0.096592	0.35333	0.431907
ENSMUSG00000036790	SLITRK2	-0.49024	0.528436	0.353554	0.432149
ENSMUSG00000018999	SLC35B4	0.344194	0.37112	0.353695	0.432291
ENSMUSG00000006529	ITIH1	-0.69644	0.751652	0.354165	0.432835
ENSMUSG00000042364	SNX18	0.131942	0.142439	0.354285	0.432924
ENSMUSG00000057181	5730455P16RII	-0.25089	0.270851	0.354289	0.432924
ENSMUSG00000039704	LMBRD2	0.173722	0.187567	0.35435	0.432936
ENSMUSG000000111798	ENSMUSG000C	0.173722	0.187567	0.35435	0.432936
ENSMUSG00000034371	TKFC	0.09818	0.10605	0.354556	0.433156
ENSMUSG00000031347	CETN2	-0.13748	0.148688	0.355162	0.433835
ENSMUSG00000094870	ZFP131	0.132543	0.143349	0.355163	0.433835
ENSMUSG00000020496	RNF187	-0.0945	0.102212	0.355217	0.43387
ENSMUSG00000016493	CD46	-0.15725	0.17018	0.355485	0.434166
ENSMUSG00000030103	BHLHE40	-0.14479	0.156784	0.355731	0.434436
ENSMUSG00000030346	RAD51AP1	0.561912	0.608586	0.355846	0.434545
ENSMUSG00000046352	GJB2	-0.36486	0.395285	0.355994	0.434694
ENSMUSG00000037845	FDXACB1	0.126295	0.136845	0.356054	0.434737
ENSMUSG00000021987	MTMR6	0.139143	0.150817	0.356217	0.434903
ENSMUSG00000022160	METTL3	-0.11101	0.120336	0.356264	0.434929
ENSMUSG00000029684	WASL	-0.0931	0.100939	0.356366	0.435024
ENSMUSG00000026723	TRDMT1	0.140093	0.151947	0.356535	0.435199
ENSMUSG00000036192	RORB	-0.30609	0.332074	0.35666	0.435319
ENSMUSG00000025702	Mar-08	-0.09657	0.104794	0.356775	0.435428
ENSMUSG00000029120	PPP2R2C	-0.26439	0.287175	0.357229	0.435951

ENSMUSG00000092036	GM2244	1.200314	1.303988	0.357315	0.436024
ENSMUSG00000062896	RPL31-PS11	0.496821	0.539839	0.357409	0.436109
ENSMUSG00000030733	SH2B1	-0.07813	0.084908	0.357474	0.436157
ENSMUSG00000001444	TBX21	0.538445	0.585368	0.357656	0.436347
ENSMUSG00000071454	DTNB	-0.29024	0.315663	0.357858	0.436563
ENSMUSG00000032564	CPNE4	-0.44114	0.479973	0.358051	0.436766
ENSMUSG00000079049	SERPINB1C	1.318663	1.434918	0.358105	0.436801
ENSMUSG00000073838	TUFM	-0.12869	0.140107	0.358347	0.437064
ENSMUSG00000039670	OXLD1	0.262808	0.286157	0.358408	0.437107
ENSMUSG00000042268	SLC26A9	-0.46514	0.506579	0.358515	0.437206
ENSMUSG00000003585	SEC14L2	-0.4305	0.469028	0.35869	0.437249
ENSMUSG00000027654	FAM83D	0.557596	0.607442	0.358649	0.437249
ENSMUSG00000028307	ALDOB	-0.44088	0.480329	0.358687	0.437249
ENSMUSG00000031066	USP11	-0.13546	0.14759	0.358705	0.437249
ENSMUSG00000031521	AGA	-0.09346	0.101818	0.358676	0.437249
ENSMUSG000000100899	OLFR1167	-0.295	0.321321	0.358581	0.437249
ENSMUSG00000034459	IFIT1	-0.28935	0.315469	0.35904	0.437626
ENSMUSG000000097239	GM27029	-0.22919	0.250011	0.359282	0.437891
ENSMUSG00000034777	VAX2	-0.49004	0.534635	0.359362	0.437956
ENSMUSG00000019961	TMPO	0.167884	0.183178	0.359402	0.437974
ENSMUSG00000038286	BPHL	-0.15282	0.166765	0.359475	0.438031
ENSMUSG00000006221	HSPB7	0.095209	0.103922	0.359581	0.438129
ENSMUSG00000083773	GM13394	0.439679	0.480401	0.360069	0.438692
ENSMUSG00000031520	VEGFC	-0.21718	0.237321	0.360129	0.438733
ENSMUSG00000032501	TRIB1	0.28055	0.306609	0.360187	0.438772
ENSMUSG00000053769	LYSMD1	0.098599	0.10778	0.360285	0.438861
ENSMUSG00000029228	LNx1	-0.36293	0.396762	0.360331	0.438886
ENSMUSG00000007805	TWIST2	0.264387	0.289056	0.360373	0.438905
ENSMUSG00000022226	MCPT2	-1.74123	1.904906	0.360677	0.439244
ENSMUSG00000028019	PDGFC	0.15928	0.174368	0.360995	0.439599
ENSMUSG00000021548	CCNH	0.150216	0.16455	0.3613	0.439931
ENSMUSG00000028801	STPG1	-0.43642	0.47808	0.361319	0.439931
ENSMUSG000000110439	GM21320	-0.70238	0.769523	0.361372	0.439964
ENSMUSG00000049307	FUT4	0.191682	0.210032	0.361436	0.440011
ENSMUSG00000026023	CDK15	0.391087	0.428627	0.361549	0.440087
ENSMUSG00000033898	CFHR2	-0.71015	0.778323	0.361551	0.440087
ENSMUSG00000029348	ASPHD2	-0.36592	0.401149	0.361675	0.440206
ENSMUSG00000038564	IFT172	0.166779	0.182847	0.361702	0.440208
ENSMUSG00000024870	RAB1B	0.07653	0.08393	0.361861	0.44037
ENSMUSG00000091814	GM8050	0.703707	0.772058	0.362048	0.440566
ENSMUSG00000025787	TGM4	0.247343	0.271408	0.36212	0.440622
ENSMUSG000000107417	OLFR1383	0.361592	0.396794	0.362146	0.440622
ENSMUSG00000029723	TSC22D4	-0.13442	0.147623	0.362535	0.441064
ENSMUSG00000081272	GM13509	0.716084	0.786499	0.362575	0.44108
ENSMUSG00000035632	CNOT3	0.116375	0.127859	0.362724	0.44123
ENSMUSG00000020538	SREBF1	0.165684	0.182068	0.362815	0.441278
ENSMUSG00000032118	FEZ1	-0.34883	0.383307	0.362796	0.441278
ENSMUSG00000028358	ZFP618	0.790261	0.869284	0.363301	0.441837
ENSMUSG00000030347	D6WSU163E	-0.13473	0.14823	0.363375	0.441895
ENSMUSG00000044707	CCNJL	-0.22184	0.244122	0.3635	0.442016

ENSMUSG00000028214	GEM	-0.21648	0.238344	0.363747	0.442284
ENSMUSG00000000346	DAZAP2	-0.07645	0.08418	0.363796	0.442313
ENSMUSG00000078897	GM4724	-0.25483	0.280781	0.364108	0.44266
ENSMUSG00000057116	AF366264	-0.49008	0.540206	0.364293	0.44284
ENSMUSG00000078349	AW011738	-0.27652	0.304812	0.364308	0.44284
ENSMUSG00000017390	ALDOC	0.415507	0.458118	0.364414	0.442937
ENSMUSG00000037979	CCDC92	0.342204	0.377436	0.364589	0.443097
ENSMUSG00000040606	KAZN	0.288926	0.318678	0.364598	0.443097
ENSMUSG00000046985	TAPT1	0.096882	0.10701	0.365273	0.443854
ENSMUSG00000067567	HDAC8	0.120806	0.133433	0.365271	0.443854
ENSMUSG00000102644	THAP6	-0.11858	0.13098	0.365301	0.443856
ENSMUSG00000021448	SHC3	-0.41396	0.457425	0.365481	0.444043
ENSMUSG00000111675	ENSMUSG000C	0.172175	0.190282	0.36555	0.444095
ENSMUSG00000036403	CEP135	-0.14627	0.16167	0.365585	0.444106
ENSMUSG00000029029	WRAP73	0.105985	0.11718	0.365748	0.444272
ENSMUSG00000057894	ZFP329	0.209428	0.231569	0.365789	0.44429
ENSMUSG00000022551	CYC1	0.095423	0.105553	0.365982	0.444493
ENSMUSG00000037344	SLC12A9	-0.13799	0.152745	0.366311	0.444861
ENSMUSG00000022856	TMEM41A	-0.30949	0.342773	0.366572	0.445118
ENSMUSG00000039646	VASN	-0.11262	0.124727	0.366575	0.445118
ENSMUSG00000095195	GM3005	-1.00614	1.114786	0.366769	0.445322
ENSMUSG00000043923	CCDC84	0.11549	0.127971	0.366808	0.445337
ENSMUSG00000026070	IL18R1	0.253464	0.281165	0.367335	0.445944
ENSMUSG00000074071	FAM169B	0.298887	0.331753	0.367624	0.446264
ENSMUSG00000027583	ZBTB46	-0.13666	0.151718	0.36773	0.44636
ENSMUSG00000032245	CLN6	-0.12218	0.135668	0.367794	0.446401
ENSMUSG00000095564	GM20474	-0.90588	1.00589	0.367816	0.446401
ENSMUSG00000043542	ZC2HC1A	0.229233	0.254768	0.368243	0.446888
ENSMUSG00000051160	OLFR853	0.429033	0.47686	0.368277	0.446897
ENSMUSG00000097643	A130051J06RIH	-0.30781	0.342147	0.368304	0.446897
ENSMUSG00000025323	SP4	-0.14167	0.1575	0.368377	0.446954
ENSMUSG00000078907	FAM186B	0.911779	1.014535	0.368804	0.44744
ENSMUSG00000024613	TCOF1	-0.08101	0.090172	0.369	0.447646
ENSMUSG00000038160	ATG5	0.091357	0.1018	0.369495	0.448215
ENSMUSG00000061972	OLFR99	-0.44947	0.50103	0.369674	0.4484
ENSMUSG00000057762	GM6169	0.764325	0.852451	0.369921	0.448667
ENSMUSG00000027384	NDUFAF5	0.079877	0.089111	0.370052	0.448794
ENSMUSG00000026960	ARL6IP6	0.095624	0.106829	0.370726	0.449579
ENSMUSG00000023186	VWA5A	0.118416	0.132315	0.370812	0.449651
ENSMUSG00000047417	REXO1	0.0901	0.100688	0.370869	0.449688
ENSMUSG00000022021	DIAPH3	0.833173	0.931132	0.370896	0.449689
ENSMUSG00000047220	CCDC36	0.373905	0.417943	0.370984	0.449764
ENSMUSG00000028318	POLR1E	0.081129	0.090702	0.371077	0.449844
ENSMUSG00000019433	GIPC1	0.122718	0.137223	0.371164	0.449886
ENSMUSG00000040254	SEMA3D	-0.23247	0.259937	0.371153	0.449886
ENSMUSG00000055884	FANCM	-0.2108	0.235829	0.371389	0.450125
ENSMUSG00000019797	1700021F05RIH	-0.0752	0.084136	0.371427	0.45014
ENSMUSG00000054256	MSI1	-0.43012	0.481419	0.371622	0.450344
ENSMUSG00000095654	PLSCR5	-0.33242	0.372128	0.371695	0.4504
ENSMUSG00000052423	B4GALT3	0.213312	0.238926	0.371966	0.450697

ENSMUSG00000022875	KNG1	-0.50308	0.563956	0.372365	0.451116
ENSMUSG000000101309	GM29397	0.854661	0.958077	0.372361	0.451116
ENSMUSG000000035834	POLR3G	0.161411	0.180977	0.372454	0.451191
ENSMUSG000000071178	SERPINA1B	-0.65658	0.736267	0.372513	0.451231
ENSMUSG000000074591	ANKUB1	-0.34449	0.38636	0.372598	0.451301
ENSMUSG000000021910	NISCH	-0.07448	0.083645	0.373233	0.451942
ENSMUSG000000033732	SF3B3	-0.11002	0.123551	0.373211	0.451942
ENSMUSG000000034160	OGT	-0.07346	0.082495	0.373204	0.451942
ENSMUSG000000091996	BC049352	-0.4356	0.48916	0.373198	0.451942
ENSMUSG000000031428	ZCCHC18	0.485522	0.545297	0.373261	0.451943
ENSMUSG000000107788	GM6266	0.470025	0.528063	0.373416	0.452098
ENSMUSG000000035390	BRSK1	-0.21744	0.244422	0.373669	0.452341
ENSMUSG000000097025	GM26558	0.337974	0.379891	0.373648	0.452341
ENSMUSG000000030401	RTN2	-0.20481	0.230384	0.374016	0.452728
ENSMUSG000000059474	MBTD1	-0.1073	0.120737	0.374167	0.452879
ENSMUSG000000027425	KAT14	-0.11387	0.128146	0.374228	0.45292
ENSMUSG000000109724	GM18194	0.317069	0.35715	0.374661	0.453412
ENSMUSG000000110528	GM1943	0.253488	0.285695	0.374935	0.453712
ENSMUSG000000024776	STAMBPL1	0.139426	0.15718	0.375054	0.453823
ENSMUSG000000046711	HMGA1	0.142559	0.160806	0.375333	0.454128
ENSMUSG000000036432	SIAH2	-0.10756	0.121344	0.375387	0.454161
ENSMUSG000000048668	RHNO1	0.101886	0.114952	0.375438	0.45419
ENSMUSG000000060475	WTAP	-0.07571	0.085511	0.37594	0.454765
ENSMUSG000000070871	CCNYL1	-0.15683	0.177174	0.376066	0.454885
ENSMUSG000000016921	SRSF6	0.081003	0.091566	0.376349	0.455195
ENSMUSG000000034509	MAD2L1BP	0.281532	0.318324	0.376469	0.455308
ENSMUSG000000039985	SINHCAF	0.255372	0.288791	0.376546	0.455368
ENSMUSG000000022191	DROSHA	-0.07521	0.085085	0.376732	0.455562
ENSMUSG000000040620	DHX33	0.10099	0.114338	0.377096	0.455969
ENSMUSG000000097148	GM3839	0.17116	0.193872	0.377317	0.456203
ENSMUSG000000099241	GM18852	-0.34428	0.390099	0.377486	0.456375
ENSMUSG000000070471	ERICH6	0.371062	0.420509	0.377555	0.456426
ENSMUSG000000020641	RSAD2	-0.33658	0.381485	0.377618	0.45647
ENSMUSG000000015890	AMDHD1	-0.41549	0.471113	0.377811	0.45667
ENSMUSG000000021944	GATA4	-0.17357	0.196856	0.37793	0.456782
ENSMUSG000000072972	ADAM4	0.370348	0.42007	0.377974	0.456803
ENSMUSG000000028033	KCNQ5	-0.32915	0.373423	0.378073	0.456838
ENSMUSG000000083394	GM11703	0.513892	0.583019	0.378084	0.456838
ENSMUSG000000109865	HSPA14	0.093213	0.105745	0.378056	0.456838
ENSMUSG000000016756	CMAH	-0.15905	0.180478	0.378167	0.456906
ENSMUSG000000032014	OAF	0.172903	0.196236	0.378266	0.456993
ENSMUSG000000032274	CYP19A1	-0.35739	0.405989	0.3787	0.457452
ENSMUSG000000074406	ZFP628	0.114402	0.129954	0.37868	0.457452
ENSMUSG000000028107	TARS2	0.126775	0.144091	0.378954	0.457693
ENSMUSG000000062168	PPEF1	0.255387	0.290268	0.378951	0.457693
ENSMUSG000000090625	GM20721	0.147693	0.16788	0.378992	0.457707
ENSMUSG000000034154	INO80	0.081517	0.092691	0.379157	0.457874
ENSMUSG000000036565	TTYH3	-0.11874	0.135037	0.379227	0.457923
ENSMUSG000000078624	OLFR613	-0.19844	0.225688	0.379252	0.457923
ENSMUSG000000031220	AWAT2	0.251615	0.286188	0.379294	0.457942

ENSMUSG00000079694	GM14862	-0.31814	0.361971	0.379456	0.458104
ENSMUSG00000028139	RIIAD1	0.337681	0.384297	0.379565	0.458204
ENSMUSG00000033985	TESK2	0.141041	0.160572	0.379747	0.458391
ENSMUSG00000076928	TRAC	0.356534	0.405946	0.379793	0.458413
ENSMUSG00000037846	RTKN2	0.39779	0.453128	0.380011	0.458644
ENSMUSG00000079560	HOXA3	-0.70957	0.808376	0.380066	0.458678
ENSMUSG00000095804	OLFR824	0.722111	0.823459	0.380528	0.459203
ENSMUSG00000006241	CCDC159	-0.13638	0.15566	0.380952	0.459682
ENSMUSG00000039509	NUP133	0.09411	0.107483	0.381261	0.460022
ENSMUSG00000038235	F11R	0.095709	0.109324	0.381324	0.460066
ENSMUSG00000049871	NLRC3	0.29493	0.337204	0.381773	0.460569
ENSMUSG00000095464	GM21987	0.507	0.579698	0.381795	0.460569
ENSMUSG00000048285	FRMD6	0.109793	0.12555	0.381846	0.460597
ENSMUSG00000027495	FAM210B	0.110739	0.126702	0.382112	0.460854
ENSMUSG00000049493	PLS1	0.497888	0.56966	0.382114	0.460854
ENSMUSG00000029130	RNF32	0.351742	0.402733	0.382452	0.46123
ENSMUSG00000034875	NUDT19	-0.07624	0.087301	0.382496	0.46125
ENSMUSG00000025196	CPN1	-0.77076	0.882666	0.382542	0.461273
ENSMUSG000000101188	EIF4A-PS4	-0.81698	0.93599	0.382746	0.461486
ENSMUSG00000096794	OLFR905	-0.27235	0.31212	0.382893	0.46163
ENSMUSG00000035000	DPP4	-0.45987	0.527074	0.382936	0.461649
ENSMUSG00000028976	SLC2A5	0.491058	0.563012	0.3831	0.461815
ENSMUSG00000026483	FAM129A	0.094511	0.108387	0.383223	0.46193
ENSMUSG00000073924	OLFR656	0.437695	0.502029	0.383289	0.461976
ENSMUSG00000027330	CDC25B	-0.31559	0.362165	0.383536	0.462214
ENSMUSG00000074682	ZCCHC3	-0.10874	0.124794	0.383541	0.462214
ENSMUSG00000030850	ATE1	-0.08109	0.093171	0.384092	0.462846
ENSMUSG00000051306	USP42	0.117328	0.134827	0.384186	0.462926
ENSMUSG00000037533	RAPGEF6	-0.09297	0.106894	0.384423	0.463179
ENSMUSG00000060205	OLFR57	-0.24567	0.282606	0.384685	0.463429
ENSMUSG00000073610	GM10549	-0.44244	0.508938	0.38466	0.463429
ENSMUSG00000078185	CHML	-0.12786	0.147202	0.385078	0.463869
ENSMUSG00000029861	FAM131B	-0.22843	0.263152	0.385374	0.46416
ENSMUSG00000043300	B3GALNT1	0.211126	0.243215	0.38536	0.46416
ENSMUSG00000090939	GM17147	0.467043	0.538451	0.385733	0.46456
ENSMUSG00000024293	ESCO1	0.182584	0.210662	0.386097	0.464965
ENSMUSG00000026579	F5	0.428793	0.494798	0.38616	0.464974
ENSMUSG00000039853	TRIM14	-0.43074	0.497022	0.386136	0.464974
ENSMUSG00000028369	SVEP1	-0.14127	0.163111	0.386453	0.465295
ENSMUSG00000096220	OLFR775	-0.8979	1.036828	0.386488	0.465304
ENSMUSG00000089862	UMAD1	-0.09956	0.115017	0.386686	0.46551
ENSMUSG00000031928	MRE11A	0.144414	0.166875	0.38682	0.465637
ENSMUSG00000073111	OLFR446	0.290354	0.335573	0.386902	0.465703
ENSMUSG00000083245	GM11185	0.48507	0.560793	0.387055	0.465854
ENSMUSG00000095307	GM12573	0.439044	0.50779	0.387249	0.466055
ENSMUSG00000035183	SLC24A5	0.294582	0.340782	0.387352	0.466146
ENSMUSG00000021217	TSHZ3	0.258065	0.298622	0.387486	0.466274
ENSMUSG00000066687	ZBTB16	-0.28698	0.33216	0.387598	0.466376
ENSMUSG00000032306	MPI	0.101194	0.117182	0.387828	0.46662
ENSMUSG00000030016	ZFP638	0.085198	0.098687	0.387966	0.466752

ENSMUSG00000000560	GABRA2	-0.368	0.426435	0.388151	0.466942
ENSMUSG000000091577	GM6211	-0.15375	0.178183	0.388217	0.466988
ENSMUSG000000028558	CALR4	0.752637	0.872672	0.388439	0.467223
ENSMUSG000000030067	FOXP1	-0.11552	0.134097	0.388977	0.467836
ENSMUSG000000078965	GM12033	0.302118	0.350825	0.389149	0.468009
ENSMUSG000000062753	AI413582	0.121156	0.140703	0.389194	0.468031
ENSMUSG000000096968	GM26620	-0.40356	0.468724	0.38925	0.468065
ENSMUSG000000029672	FAM3C	-0.0953	0.110727	0.389395	0.468172
ENSMUSG000000041268	DMXL2	0.147191	0.171001	0.389371	0.468172
ENSMUSG000000031540	KAT6A	-0.09963	0.115787	0.389553	0.468329
ENSMUSG000000099764	RPS10-PS2	0.884894	1.028808	0.389725	0.468503
ENSMUSG000000025582	NPTX1	-0.50703	0.589578	0.389799	0.468559
ENSMUSG000000078967	GM3272	0.18683	0.217278	0.389863	0.468603
ENSMUSG000000032079	APOA5	-0.44486	0.517423	0.389917	0.468634
ENSMUSG000000019303	PSMC3IP	-0.43182	0.502294	0.389957	0.46865
ENSMUSG000000033577	MYO6	-0.11571	0.134674	0.390242	0.468959
ENSMUSG000000034926	DHCR24	0.20233	0.235517	0.390291	0.468984
ENSMUSG000000045589	FRRS1L	0.319976	0.372497	0.390338	0.469008
ENSMUSG000000106806	GM17906	-0.39287	0.457435	0.39042	0.469074
ENSMUSG000000083706	OLFR1118	-0.42713	0.497397	0.390486	0.469119
ENSMUSG000000055013	AGAP1	-0.12267	0.143104	0.391347	0.470092
ENSMUSG000000109789	GM2033	0.469957	0.548266	0.391351	0.470092
ENSMUSG000000032258	LCA5	-0.34885	0.407054	0.391445	0.470171
ENSMUSG000000043230	FAM124B	-0.24443	0.285724	0.392294	0.471158
ENSMUSG000000037624	KCNK2	-0.41239	0.482137	0.392365	0.47121
ENSMUSG000000002635	PDCD2L	-0.09799	0.114572	0.392416	0.471238
ENSMUSG000000069072	SLC7A14	-0.29865	0.349325	0.392581	0.471403
ENSMUSG000000058729	LIN9	0.139719	0.163485	0.392755	0.471579
ENSMUSG000000028188	SPATA1	0.161899	0.189474	0.392847	0.471655
ENSMUSG000000030757	ZKSCAN2	-0.29911	0.350226	0.393081	0.471903
ENSMUSG000000001155	FTCD	-0.43691	0.511616	0.393116	0.471911
ENSMUSG000000003123	LIPE	-0.16751	0.196217	0.393281	0.472076
ENSMUSG000000000628	HK2	0.14584	0.170864	0.393358	0.472136
ENSMUSG000000053929	CYHR1	-0.07036	0.082499	0.393734	0.472553
ENSMUSG000000026584	SCYL3	-0.09751	0.114401	0.394028	0.472803
ENSMUSG000000063522	2010109I03RIK	0.191164	0.224291	0.394046	0.472803
ENSMUSG000000102550	GM8276	-1.06537	1.250058	0.39407	0.472803
ENSMUSG000000036550	CNOT1	-0.07509	0.088254	0.394831	0.473669
ENSMUSG000000026999	NUP35	-0.13998	0.164582	0.395052	0.473821
ENSMUSG000000030735	GM9755	-0.58736	0.690571	0.395027	0.473821
ENSMUSG000000056632	DSG3	-0.34357	0.404101	0.395211	0.473957
ENSMUSG000000034780	B3GALT1	-0.32001	0.376533	0.395396	0.474145
ENSMUSG000000033282	RPGRIP1L	-0.35461	0.417278	0.395431	0.474155
ENSMUSG000000040680	KREMEN2	0.22841	0.268929	0.395697	0.47444
ENSMUSG000000002489	TIAM1	-0.15789	0.186048	0.396064	0.474847
ENSMUSG000000035623	RSF1	0.092581	0.109112	0.396163	0.474931
ENSMUSG000000047502	MROH7	0.656433	0.773883	0.396308	0.475072
ENSMUSG000000073125	XLR3B	0.609673	0.71892	0.396416	0.475167
ENSMUSG000000032382	SNX1	0.090385	0.106713	0.396998	0.475819
ENSMUSG000000066037	HNRNPR	-0.07229	0.085355	0.397015	0.475819

ENSMUSG00000040374	PEX2	-0.07374	0.08714	0.397396	0.476242
ENSMUSG00000068252	APOL7B	-1.57094	1.856452	0.397438	0.476258
ENSMUSG00000020334	SLC22A4	0.144345	0.170589	0.397466	0.476258
ENSMUSG00000046561	ARSJ	0.277888	0.328862	0.398111	0.476997
ENSMUSG00000073913	OLFR678	0.454284	0.53828	0.398695	0.477663
ENSMUSG00000030382	SLC27A5	-0.4239	0.502734	0.399125	0.478145
ENSMUSG00000032999	NLRP4F	0.48674	0.577321	0.399172	0.478167
ENSMUSG000000108056	GM43941	0.50562	0.599994	0.399392	0.478396
ENSMUSG00000052026	SLC6A7	-0.5155	0.611815	0.39947	0.478423
ENSMUSG00000079043	FASTKD5	0.139822	0.165938	0.399446	0.478423
ENSMUSG00000041961	ZNRF3	0.116384	0.138143	0.399516	0.478444
ENSMUSG00000032883	ACSL3	-0.14639	0.174034	0.400254	0.479294
ENSMUSG00000019808	ADAT2	0.128885	0.153289	0.400459	0.479506
ENSMUSG00000044034	NPB	0.729513	0.868519	0.400936	0.480044
ENSMUSG00000066000	ZFP979	-0.12735	0.151703	0.401207	0.480334
ENSMUSG00000073514	DOK6	0.352491	0.419966	0.401282	0.48039
ENSMUSG00000021908	GM6768	-1.95088	2.325102	0.40144	0.480545
ENSMUSG00000029547	INTS1	0.13487	0.160765	0.40151	0.480561
ENSMUSG00000042207	KDM5B	-0.10326	0.12309	0.401509	0.480561
ENSMUSG00000048796	CYB561D1	-0.08518	0.101545	0.401558	0.480585
ENSMUSG00000006463	ZDHHC24	-0.14552	0.173511	0.401637	0.480645
ENSMUSG00000005360	SLC1A3	0.251177	0.299546	0.401736	0.48073
ENSMUSG00000051451	CREBZF	0.086079	0.102665	0.401781	0.48075
ENSMUSG00000038888	CTU1	0.124944	0.149034	0.40183	0.480775
ENSMUSG00000057130	TXNL4A	-0.10277	0.122629	0.401981	0.480922
ENSMUSG00000022947	CBR3	0.186479	0.22263	0.402246	0.481204
ENSMUSG00000035105	EGLN3	-0.28678	0.342417	0.402308	0.481245
ENSMUSG00000027200	SEMA6D	-0.12537	0.149709	0.402351	0.481262
ENSMUSG00000032410	XRN1	0.103504	0.123723	0.402829	0.4818
ENSMUSG00000041498	KIF14	0.303053	0.362324	0.402921	0.481876
ENSMUSG00000021759	PLPP1	0.133123	0.15921	0.403075	0.482026
ENSMUSG00000034902	PIP5K1C	-0.08634	0.103278	0.403153	0.482072
ENSMUSG00000079852	KLRA4	0.759343	0.908334	0.40317	0.482072
ENSMUSG00000000632	SEZ6	-0.42139	0.504159	0.403251	0.482135
ENSMUSG00000054630	UGT2B5	-1.11304	1.331743	0.403281	0.482137
ENSMUSG00000026179	PNKD	-0.07167	0.085777	0.403419	0.482234
ENSMUSG00000058492	SCP2-PS2	0.511247	0.611859	0.403401	0.482234
ENSMUSG00000026490	CDC42BPA	-0.08585	0.10278	0.403557	0.482365
ENSMUSG00000042807	HECW2	0.135197	0.161953	0.403835	0.482662
ENSMUSG00000095550	GM21671	0.56736	0.679682	0.403862	0.482662
ENSMUSG00000038291	SNX25	-0.14048	0.168342	0.404006	0.482799
ENSMUSG00000028708	MKNK1	0.09486	0.113762	0.404368	0.483199
ENSMUSG00000021904	SEMA3G	0.077702	0.093228	0.404587	0.483426
ENSMUSG00000089984	FBXO24	-0.18554	0.222658	0.40468	0.483503
ENSMUSG00000096773	OLFR675	0.357036	0.428667	0.404903	0.483735
ENSMUSG00000043962	THRAP3	0.075723	0.090969	0.40518	0.484032
ENSMUSG00000042436	MFAP4	-0.40792	0.490225	0.405348	0.484199
ENSMUSG00000028359	ORM3	0.495521	0.595768	0.405559	0.484382
ENSMUSG00000093884	OLFR239	-0.40968	0.492549	0.405543	0.484382
ENSMUSG00000043895	S1PR2	0.193055	0.232158	0.405652	0.484456

ENSMUSG00000052520	CYP2J5	-0.74988	0.90184	0.405692	0.484456
ENSMUSG000000103735	GM38317	-0.4945	0.594726	0.405706	0.484456
ENSMUSG00000009376	MET	0.31478	0.379121	0.406376	0.485188
ENSMUSG00000020027	SOCS2	0.153134	0.184429	0.406361	0.485188
ENSMUSG00000039396	NEIL3	0.692172	0.83388	0.406504	0.485307
ENSMUSG00000036106	PRR5	0.191078	0.230215	0.406542	0.485318
ENSMUSG00000015942	GTF2IRD2	-0.13803	0.166318	0.406587	0.485338
ENSMUSG00000030652	COQ7	0.08512	0.102574	0.406633	0.485358
ENSMUSG00000039518	CDSN	-0.33737	0.406796	0.40692	0.485667
ENSMUSG00000055022	CNTN1	0.259397	0.312986	0.407228	0.486
ENSMUSG00000026864	HSPA5	0.10318	0.12451	0.407283	0.486031
ENSMUSG00000032413	RASA2	0.143982	0.173846	0.407547	0.486312
ENSMUSG00000002661	ALKBH7	0.100132	0.120985	0.407872	0.486666
ENSMUSG00000015880	NCAPG	0.926228	1.119382	0.407985	0.486745
ENSMUSG00000032485	SCAP	-0.11619	0.14042	0.407996	0.486745
ENSMUSG00000038215	CEP44	-0.10476	0.126625	0.408042	0.486767
ENSMUSG00000061991	HIST1H2AF	0.348167	0.42094	0.40817	0.486885
ENSMUSG00000018199	TROVE2	0.18582	0.224692	0.408238	0.486932
ENSMUSG00000022722	ARL6	0.158132	0.191367	0.408617	0.48735
ENSMUSG00000027242	WDR76	-0.16198	0.19607	0.408714	0.487417
ENSMUSG00000068686	CD59B	-0.12644	0.153053	0.408731	0.487417
ENSMUSG00000014771	PDCD2	-0.13914	0.168437	0.408763	0.487421
ENSMUSG00000050440	HAMP	0.396897	0.4806	0.408896	0.487546
ENSMUSG00000037710	CISD1	0.09806	0.118806	0.409157	0.487823
ENSMUSG00000052572	DLG2	-0.33275	0.403323	0.409361	0.488031
ENSMUSG00000027831	VEPH1	-0.3755	0.455285	0.409505	0.488134
ENSMUSG00000033906	ZDHHC15	-0.32389	0.392695	0.40949	0.488134
ENSMUSG00000068816	OLFR152	0.202236	0.245224	0.409542	0.488144
ENSMUSG00000083374	GM11449	0.448338	0.543717	0.409611	0.488192
ENSMUSG00000060429	SNTB1	-0.27393	0.33229	0.409738	0.488309
ENSMUSG00000026828	GALNT5	-0.54871	0.665827	0.409883	0.488448
ENSMUSG00000066154	MUP3	-0.75554	0.917082	0.410026	0.488584
ENSMUSG00000026761	ORC4	0.119563	0.145141	0.410071	0.488604
ENSMUSG00000040121	REP15	0.222512	0.270156	0.410143	0.488654
ENSMUSG00000048379	SOCS4	-0.07353	0.089316	0.410348	0.488864
ENSMUSG0000003660	SNRNP200	-0.14164	0.17209	0.41048	0.488987
ENSMUSG00000027751	SUPT20	0.077623	0.094326	0.410551	0.489029
ENSMUSG00000056209	NPM3	0.114307	0.138911	0.41058	0.489029
ENSMUSG00000062175	TGIF2	0.212995	0.258855	0.410601	0.489029
ENSMUSG00000033318	GSTT2	0.158694	0.193026	0.410999	0.489468
ENSMUSG00000092465	GM20472	-0.40568	0.49355	0.411103	0.489557
ENSMUSG00000093909	GM3883	-0.83206	1.012582	0.411237	0.489684
ENSMUSG00000019080	MFSD3	-0.13102	0.159605	0.411693	0.490123
ENSMUSG00000049349	GM5105	0.348929	0.425029	0.411673	0.490123
ENSMUSG00000058331	ZFP85	-0.20624	0.251222	0.411681	0.490123
ENSMUSG00000028795	CCDC28B	-0.21719	0.264653	0.411846	0.490271
ENSMUSG00000003534	DDR1	0.129167	0.157434	0.411958	0.49037
ENSMUSG00000048794	CFAP100	0.337479	0.411492	0.412139	0.49055
ENSMUSG00000053461	HHIPL2	-0.43864	0.53491	0.412201	0.49059
ENSMUSG00000069939	GM12070	0.127338	0.155374	0.412468	0.490874

ENSMUSG00000070594	GM4788	-0.61339	0.748485	0.412499	0.490876
ENSMUSG00000022498	TXNDC11	0.095598	0.116718	0.412758	0.49115
ENSMUSG00000029179	ZCCHC4	0.105489	0.128843	0.412935	0.49132
ENSMUSG00000034973	DOP1A	-0.08018	0.097932	0.412959	0.49132
ENSMUSG00000005873	REEP5	-0.08366	0.102202	0.413033	0.491374
ENSMUSG00000042249	GRK3	0.097335	0.119065	0.413645	0.492067
ENSMUSG00000046593	TMEM215	0.57146	0.699189	0.413746	0.492119
ENSMUSG00000086727	4931428L18RIH	0.318504	0.389683	0.413734	0.492119
ENSMUSG00000078503	ZFP990	-0.2934	0.359092	0.413893	0.492259
ENSMUSG00000067929	GM10226	0.447742	0.54811	0.413995	0.492345
ENSMUSG00000030785	COX6A2	0.126805	0.155316	0.414255	0.49262
ENSMUSG00000045761	TOGARAM2	-0.50164	0.615018	0.414704	0.49312
ENSMUSG00000039206	DAGLB	-0.0883	0.1083	0.414863	0.493275
ENSMUSG00000068923	SYT11	-0.10437	0.128042	0.415009	0.493413
ENSMUSG00000082315	GM16523	0.467956	0.574403	0.415254	0.49367
ENSMUSG00000063632	SOX11	0.369584	0.453737	0.415339	0.493736
ENSMUSG00000036339	TMEM260	-0.09543	0.117223	0.415573	0.49398
ENSMUSG00000025766	D3ERTD751E	-0.18576	0.228189	0.41562	0.494002
ENSMUSG00000028312	SMC2	-0.50369	0.619198	0.415962	0.494373
ENSMUSG00000044317	GPR4	0.230167	0.283024	0.416079	0.494478
ENSMUSG00000044005	GLS2	-0.26738	0.328874	0.416207	0.494596
ENSMUSG00000029716	TFR2	0.422738	0.520302	0.416512	0.494923
ENSMUSG00000030703	GDPD3	0.165186	0.203515	0.416982	0.495447
ENSMUSG00000026887	MRRF	0.093347	0.11505	0.41716	0.495624
ENSMUSG00000023073	SLC10A2	0.308657	0.380808	0.417634	0.496153
ENSMUSG00000050493	FAM167B	0.481366	0.593957	0.417688	0.496182
ENSMUSG00000059866	TNIP2	0.11716	0.144645	0.417953	0.496462
ENSMUSG00000024354	SLC23A1	0.27924	0.344846	0.418083	0.496546
ENSMUSG00000094858	OLFR1297	0.400693	0.494815	0.418065	0.496546
ENSMUSG00000041538	H2-OB	0.219869	0.271549	0.418122	0.496558
ENSMUSG00000022456	Sep-03	0.224228	0.277011	0.418254	0.496681
ENSMUSG00000039234	SEC24D	0.134604	0.166337	0.418386	0.496802
ENSMUSG00000032051	FDX1	0.067546	0.08348	0.418441	0.496832
ENSMUSG00000026959	GRIN1	0.438447	0.541943	0.418499	0.496867
ENSMUSG00000057580	GM10012	0.408322	0.504814	0.418598	0.496949
ENSMUSG00000029189	SEL1L3	0.271837	0.33614	0.418686	0.49702
ENSMUSG00000031671	SETD6	0.095831	0.118537	0.418834	0.49716
ENSMUSG00000009013	DYNLL1	0.17787	0.220053	0.418915	0.497222
ENSMUSG00000007591	TSSK4	0.291955	0.361379	0.419152	0.497469
ENSMUSG00000081723	GM15931	-0.43501	0.538622	0.419299	0.497608
ENSMUSG00000081604	GM11518	2.179435	2.698791	0.419344	0.497627
ENSMUSG00000039323	IGFBP2	-0.68087	0.843734	0.41968	0.49799
ENSMUSG00000033705	STARD9	-0.16588	0.205627	0.419843	0.498149
ENSMUSG00000026198	ABCB6	0.156014	0.193527	0.420148	0.498476
ENSMUSG00000021951	EEF1AKMT1	0.175271	0.217551	0.420442	0.498763
ENSMUSG00000045180	SHROOM2	-0.12555	0.155834	0.420448	0.498763
ENSMUSG00000051444	BBS12	-0.15929	0.197802	0.420652	0.498969
ENSMUSG00000026617	BPNT1	0.081427	0.101125	0.420697	0.498988
ENSMUSG00000044176	SPINK10	-0.26648	0.330974	0.420745	0.49901
ENSMUSG00000032586	TRAIP	0.415796	0.516475	0.420782	0.499019

ENSMUSG00000045140	PIGW	-0.09737	0.120967	0.420881	0.499102
ENSMUSG00000022149	C9	-0.42953	0.533704	0.42093	0.499125
ENSMUSG000000037681	ESYT3	-0.38858	0.482932	0.421032	0.499204
ENSMUSG000000055835	ZFP1	0.08696	0.108086	0.421085	0.499204
ENSMUSG000000078566	BNIP3	0.199821	0.24836	0.421072	0.499204
ENSMUSG000000015053	GATA2	-0.16813	0.209219	0.421611	0.499793
ENSMUSG000000028445	ENHO	0.081787	0.101944	0.422395	0.500687
ENSMUSG000000046650	OLFR1440	-0.34405	0.429071	0.422647	0.500951
ENSMUSG000000038369	NCOA6	-0.08095	0.100988	0.422809	0.501109
ENSMUSG000000040616	TMEM51	-0.10175	0.126999	0.423038	0.501345
ENSMUSG000000031963	BMPER	0.171939	0.214674	0.423172	0.501469
ENSMUSG000000020099	UNC5B	-0.12425	0.155177	0.423309	0.501561
ENSMUSG000000055862	IZUMO4	-0.13286	0.165924	0.423296	0.501561
ENSMUSG000000056167	CNOT10	0.069773	0.087188	0.423562	0.501825
ENSMUSG000000015619	GATA3	-0.39655	0.495599	0.423626	0.501854
ENSMUSG000000026504	SDCCAG8	0.097021	0.121267	0.423675	0.501854
ENSMUSG000000058258	IDI1	0.136911	0.171117	0.423652	0.501854
ENSMUSG000000060630	ZFP735	0.464817	0.581318	0.423948	0.502143
ENSMUSG000000090150	ACAD11	0.177435	0.221943	0.424024	0.502197
ENSMUSG0000000100720	GM10075	0.686861	0.859699	0.424317	0.502509
ENSMUSG0000000105600	GM5987	-0.3864	0.48377	0.424448	0.50263
ENSMUSG000000003872	LIN7B	0.260609	0.326494	0.424751	0.502954
ENSMUSG000000025421	HDHD2	-0.07373	0.092421	0.425035	0.503255
ENSMUSG000000015467	EGFL8	0.20896	0.262033	0.425185	0.503397
ENSMUSG000000078630	TOMT	0.294708	0.369681	0.425336	0.503541
ENSMUSG000000074336	APOC4	-0.41477	0.520529	0.425554	0.503764
ENSMUSG000000073910	MOB3B	-0.20267	0.254559	0.42594	0.504185
ENSMUSG000000039110	MYCBPAP	-0.36337	0.45652	0.426062	0.504295
ENSMUSG000000082117	GM4994	0.349995	0.439814	0.42616	0.504376
ENSMUSG000000020828	PLD2	-0.11401	0.143318	0.426313	0.504521
ENSMUSG000000072571	TMEM253	-0.14484	0.182143	0.426485	0.50469
ENSMUSG000000029530	CCR9	0.201421	0.253496	0.426862	0.505101
ENSMUSG000000020140	LGR5	-0.35971	0.45275	0.426902	0.505113
ENSMUSG000000035885	COX8A	-0.08162	0.102738	0.42696	0.505134
ENSMUSG000000070287	SLC35G2	0.115336	0.145191	0.426979	0.505134
ENSMUSG000000030407	QPCTL	-0.09603	0.12091	0.427047	0.505179
ENSMUSG000000047050	OLFR914	-0.36561	0.460544	0.427273	0.505411
ENSMUSG000000060613	CYP2C70	-0.62342	0.7855	0.427393	0.505517
ENSMUSG000000067399	TRIM43C	-0.20025	0.252361	0.427477	0.505582
ENSMUSG000000034452	SLC24A1	-0.2783	0.350787	0.427568	0.505655
ENSMUSG000000069919	HBA-A1	0.395697	0.498888	0.427685	0.505754
ENSMUSG000000078920	IFI47	-0.21543	0.271625	0.427712	0.505754
ENSMUSG000000030271	OGG1	0.156436	0.197464	0.428228	0.506301
ENSMUSG000000090881	GM6904	-0.35673	0.450294	0.428234	0.506301
ENSMUSG000000036545	ADAMTS2	0.109635	0.138416	0.428319	0.506335
ENSMUSG000000071302	2610044O15RI	0.093667	0.118256	0.428322	0.506335
ENSMUSG000000045328	CENPE	0.37574	0.474605	0.428541	0.506558
ENSMUSG000000035910	DCDC2A	0.608691	0.769341	0.428836	0.506871
ENSMUSG000000027286	LRR57	0.078211	0.098866	0.428894	0.506904
ENSMUSG000000034486	GBX2	0.292081	0.369441	0.429175	0.507202

ENSMUSG00000024747	ALDH1A7	-0.67645	0.856396	0.429597	0.507665
ENSMUSG00000035762	TMEM161B	-0.08046	0.101887	0.429708	0.50776
ENSMUSG00000029127	ZBTB49	0.129445	0.164002	0.429942	0.507976
ENSMUSG00000039372	Mar-04	0.466272	0.590758	0.42995	0.507976
ENSMUSG00000061175	FNIP2	-0.15789	0.20012	0.430112	0.508115
ENSMUSG00000096617	GM5559	0.340698	0.431824	0.430128	0.508115
ENSMUSG00000010751	TNFRSF22	-0.11567	0.146632	0.430215	0.508182
ENSMUSG00000081945	OLFR607	0.168342	0.213521	0.430457	0.508433
ENSMUSG00000082377	GM14415	-0.67209	0.852816	0.430645	0.508598
ENSMUSG00000086922	GM13835	0.222567	0.28242	0.430657	0.508598
ENSMUSG00000020937	PLCD3	-0.10741	0.136417	0.431068	0.509049
ENSMUSG00000035891	CERK	-0.06561	0.083362	0.431251	0.509159
ENSMUSG00000056600	OLFR90	0.139559	0.177314	0.43124	0.509159
ENSMUSG00000068966	ZBTB34	0.097739	0.124183	0.43125	0.509159
ENSMUSG00000083899	GM12346	0.229355	0.29143	0.431283	0.509161
ENSMUSG00000036168	CCDC38	0.369019	0.468932	0.431319	0.509169
ENSMUSG00000097078	GM26566	-0.28369	0.360581	0.431422	0.509254
ENSMUSG00000059479	B3GNT8	0.143966	0.183029	0.43153	0.509346
ENSMUSG00000026102	INPP1	-0.24782	0.315219	0.431755	0.509576
ENSMUSG00000019818	CD164	-0.07393	0.094119	0.432173	0.510001
ENSMUSG00000030031	KBTBD8	-0.23979	0.305285	0.432174	0.510001
ENSMUSG00000035842	DDX11	-0.2753	0.350608	0.43233	0.510149
ENSMUSG00000079039	GM11037	-0.56653	0.721567	0.43237	0.510161
ENSMUSG00000031660	BRD7	0.083464	0.106332	0.432489	0.510265
ENSMUSG00000023926	RHAG	0.375834	0.478854	0.432535	0.510284
ENSMUSG00000028644	ERMAP	0.333322	0.424772	0.432625	0.510284
ENSMUSG00000058748	ZFP958	-0.1006	0.128197	0.432606	0.510284
ENSMUSG00000080762	GM11879	-0.26034	0.331727	0.432568	0.510284
ENSMUSG00000029094	AFAP1	0.099166	0.126405	0.43274	0.510385
ENSMUSG00000056941	COMMD7	0.071487	0.091158	0.432916	0.510531
ENSMUSG000000101480	OLFR1220	-0.30967	0.394887	0.432924	0.510531
ENSMUSG00000094076	GM4767	-0.30041	0.383184	0.433053	0.510647
ENSMUSG00000028883	SEMA3A	-0.2373	0.302709	0.433091	0.510656
ENSMUSG00000031253	SRPX2	-0.48458	0.618342	0.43323	0.510785
ENSMUSG00000031402	MPP1	-0.13083	0.166981	0.433316	0.510851
ENSMUSG00000090115	USP49	0.141674	0.180867	0.433448	0.51097
ENSMUSG00000031723	TXNL4B	-0.10398	0.132844	0.433795	0.511344
ENSMUSG00000030772	DKK3	-0.1755	0.224331	0.434013	0.511566
ENSMUSG00000032036	KIRREL3	-0.23125	0.295714	0.434212	0.511765
ENSMUSG00000039542	NCAM1	0.243671	0.31193	0.434701	0.512305
ENSMUSG00000049041	OLFR398	0.274008	0.350806	0.434753	0.512332
ENSMUSG00000039908	SLC26A11	0.114331	0.146412	0.434869	0.512433
ENSMUSG00000028914	CASP9	-0.13163	0.168593	0.43495	0.51245
ENSMUSG00000055795	GM5160	0.418353	0.535864	0.434974	0.51245
ENSMUSG00000066487	GM5786	0.346243	0.443463	0.434937	0.51245
ENSMUSG00000035770	DYNC1LI2	0.068874	0.088295	0.435366	0.512876
ENSMUSG00000031311	NONO	-0.06889	0.088327	0.435429	0.512914
ENSMUSG00000071552	TIGIT	0.31952	0.409803	0.435572	0.513047
ENSMUSG00000058230	ARHGAP35	-0.08901	0.11418	0.435647	0.513101
ENSMUSG00000023333	GCM1	-0.4221	0.541648	0.435811	0.513219

ENSMUSG00000030835	NOMO1	0.082756	0.106196	0.435818	0.513219
ENSMUSG00000037795	N4BP2	0.106316	0.136435	0.435838	0.513219
ENSMUSG00000054057	A930004D18RI	-0.15467	0.198613	0.436139	0.513538
ENSMUSG000000110576	GM36368	0.401388	0.516083	0.436711	0.514175
ENSMUSG00000097989	GM4335	0.274766	0.353308	0.436749	0.514184
ENSMUSG00000043165	LOR	0.232062	0.29887	0.437475	0.515003
ENSMUSG00000014599	CSF1	0.121767	0.156898	0.437694	0.515225
ENSMUSG00000078887	GM6710	-0.19261	0.248231	0.437796	0.515309
ENSMUSG00000014226	CACYBP	0.073021	0.09417	0.438096	0.515627
ENSMUSG00000079311	GM3222	0.149423	0.192755	0.438224	0.515742
ENSMUSG00000020964	SEL1L	0.069474	0.08964	0.438318	0.515817
ENSMUSG00000065999	ZFP985	-0.24743	0.319389	0.438519	0.516018
ENSMUSG00000095779	GM2163	0.486813	0.628472	0.438578	0.516051
ENSMUSG000000111814	OLFR896-PS1	-0.44517	0.575235	0.438995	0.516506
ENSMUSG00000073953	OLFR596	-0.33738	0.436155	0.439202	0.516714
ENSMUSG00000030796	TEAD2	-0.16824	0.217514	0.439253	0.516738
ENSMUSG00000082063	GM12993	-0.41912	0.542074	0.439412	0.516889
ENSMUSG00000063275	HACD1	-0.06468	0.08369	0.439608	0.517084
ENSMUSG00000080836	GM6444	-0.42148	0.545911	0.440072	0.517594
ENSMUSG00000031913	VPS4A	0.069675	0.09031	0.440407	0.517952
ENSMUSG00000027761	AADAC	-0.70454	0.91369	0.440652	0.518204
ENSMUSG00000040782	COP1	0.100821	0.130787	0.44078	0.518303
ENSMUSG00000056043	RGS9BP	-0.38171	0.49518	0.440797	0.518303
ENSMUSG00000037465	KLF10	0.095858	0.12437	0.440858	0.518339
ENSMUSG00000063715	OLFR816	0.457661	0.594776	0.441616	0.519194
ENSMUSG00000033585	NDN	-0.10677	0.13896	0.442272	0.519929
ENSMUSG00000031953	TMEM170	-0.10499	0.136684	0.442424	0.520038
ENSMUSG00000040614	NLRP9C	-0.37136	0.483481	0.442426	0.520038
ENSMUSG00000030447	CYFIP1	0.12927	0.168317	0.442476	0.520061
ENSMUSG00000026688	MGST3	0.137208	0.178692	0.442578	0.520073
ENSMUSG00000027257	PACSIN3	0.071913	0.093643	0.44252	0.520073
ENSMUSG00000078616	TRIM30C	0.437321	0.569533	0.442571	0.520073
ENSMUSG00000051705	SENP8	-0.10231	0.133399	0.443135	0.520691
ENSMUSG00000062272	OLFR1129	-0.41023	0.535132	0.443327	0.52088
ENSMUSG00000044556	TEX38	0.310419	0.405346	0.443787	0.521385
ENSMUSG00000045659	PLEKHA7	0.165367	0.215974	0.443867	0.521444
ENSMUSG00000020523	FAM114A2	-0.07239	0.094575	0.443994	0.521542
ENSMUSG00000030122	PTMS	-0.12145	0.15867	0.444012	0.521542
ENSMUSG00000044453	FFAR1	-0.24182	0.315981	0.444088	0.521594
ENSMUSG00000037852	CPE	0.091042	0.119061	0.444472	0.52201
ENSMUSG00000014786	SLC9A5	0.166852	0.21822	0.444506	0.522014
ENSMUSG00000034623	PRSS55	-0.16971	0.221982	0.444548	0.522027
ENSMUSG00000038943	PRC1	-0.32692	0.427676	0.444625	0.522081
ENSMUSG00000074766	ISM1	-0.20105	0.263071	0.44473	0.522168
ENSMUSG00000026274	PASK	0.486946	0.637269	0.4448	0.522214
ENSMUSG00000049152	UGT3A2	-0.68278	0.893628	0.444838	0.522223
ENSMUSG00000031112	STK26	0.197487	0.258498	0.444879	0.522235
ENSMUSG000000111777	GM47147	-0.13048	0.170845	0.445018	0.522361
ENSMUSG00000002341	NCAN	-0.32432	0.424723	0.445098	0.522419
ENSMUSG00000075383	OLFR351	0.33229	0.435265	0.445213	0.522519

ENSMUSG00000047696	CCDC144B	0.210858	0.276301	0.445376	0.522674
ENSMUSG00000049957	CCDC137	-0.12137	0.159152	0.445698	0.523015
ENSMUSG00000020594	PUM2	0.088114	0.115585	0.445863	0.523172
ENSMUSG00000080907	4930455H04RI	-0.3809	0.499795	0.445992	0.523252
ENSMUSG000000109392	GM5737	0.247771	0.325098	0.445974	0.523252
ENSMUSG000000111174	OLFR1240	0.322737	0.423565	0.446089	0.523329
ENSMUSG000000013465	NELFB	-0.07762	0.101972	0.446539	0.523785
ENSMUSG000000070495	CTCFL	-0.21786	0.286204	0.446532	0.523785
ENSMUSG000000021549	RASA1	0.142215	0.186918	0.446752	0.523999
ENSMUSG000000027285	HAUS2	0.069884	0.091867	0.446832	0.524056
ENSMUSG000000021675	F2RL2	0.343522	0.451752	0.447002	0.524147
ENSMUSG000000023979	GUCA1B	0.224099	0.2947	0.446997	0.524147
ENSMUSG000000103922	GM6123	-0.2779	0.365422	0.446959	0.524147
ENSMUSG000000025574	TK1	-0.30099	0.395952	0.447151	0.524285
ENSMUSG000000038860	GARNL3	0.153867	0.202544	0.44745	0.5246
ENSMUSG000000089704	GALNT2	0.18202	0.239921	0.448052	0.52527
ENSMUSG000000022883	ROBO1	-0.18009	0.237511	0.448301	0.525525
ENSMUSG000000010529	GM266	0.292731	0.386169	0.448428	0.525564
ENSMUSG000000033569	ADGRB3	0.406662	0.536442	0.448407	0.525564
ENSMUSG000000049191	RTL5	0.229845	0.303181	0.448383	0.525564
ENSMUSG000000037708	SPAG6	0.333116	0.439497	0.448481	0.525591
ENSMUSG000000020801	MED31	0.091616	0.120918	0.448649	0.525751
ENSMUSG000000027678	NCOA3	-0.09222	0.121744	0.44876	0.525845
ENSMUSG000000057378	RYR3	-0.27084	0.357622	0.448845	0.525908
ENSMUSG000000068105	TNFRSF13C	0.474077	0.626022	0.448879	0.525913
ENSMUSG000000034254	AGPAT1	-0.07638	0.100895	0.449055	0.526082
ENSMUSG000000010311	OPTC	-0.294	0.388545	0.449255	0.52628
ENSMUSG000000021239	VSX2	-0.43939	0.581172	0.449621	0.526672
ENSMUSG000000026611	SPATA17	-0.27072	0.358168	0.449739	0.526774
ENSMUSG000000073650	CATIP	-0.32041	0.423978	0.449821	0.526798
ENSMUSG000000074895	EIF4E1B	0.235421	0.311517	0.449816	0.526798
ENSMUSG000000027333	SMOX	0.191077	0.252903	0.449928	0.526886
ENSMUSG000000034429	ZFP707	-0.10496	0.13902	0.450233	0.527207
ENSMUSG000000040213	KYAT3	-0.12207	0.161747	0.450449	0.527423
ENSMUSG000000007603	DUS3L	0.066058	0.087582	0.450703	0.527685
ENSMUSG000000075164	OLFR1106	0.342243	0.454336	0.45128	0.528324
ENSMUSG000000069045	DDX3Y	-0.08428	0.111907	0.451396	0.52839
ENSMUSG000000102746	GM37601	-0.35941	0.477248	0.451398	0.52839
ENSMUSG000000060802	B2M	-0.14787	0.196374	0.451447	0.528396
ENSMUSG000000064006	OLFR190	-0.2857	0.379428	0.451466	0.528396
ENSMUSG000000059540	TCEA2	0.14201	0.188635	0.451551	0.528459
ENSMUSG000000004846	PLOD3	0.070061	0.093088	0.451676	0.528496
ENSMUSG000000031871	CDH5	-0.09703	0.12892	0.451648	0.528496
ENSMUSG000000034574	DAAM1	-0.10885	0.144607	0.451617	0.528496
ENSMUSG000000045036	TMEM232	-0.35925	0.477415	0.451752	0.528548
ENSMUSG000000025875	TSPAN17	0.167412	0.222495	0.451792	0.528559
ENSMUSG000000010205	RAVER1	-0.06411	0.085212	0.451857	0.528599
ENSMUSG000000026854	USP20	-0.1168	0.155278	0.451934	0.528652
ENSMUSG000000034560	WASHC4	0.067476	0.089721	0.452015	0.528711
ENSMUSG000000066042	MED18	0.147904	0.196754	0.452219	0.528892

ENSMUSG00000078898	ZFP968	-0.1431	0.190375	0.452232	0.528892
ENSMUSG00000022505	EMP2	-0.19129	0.254745	0.452707	0.52941
ENSMUSG00000090659	ZFP493	-0.27392	0.364857	0.452789	0.52947
ENSMUSG00000055652	KLHL25	0.211711	0.282192	0.453112	0.529812
ENSMUSG00000037949	ANO10	0.264483	0.352667	0.453285	0.529976
ENSMUSG00000031148	GPKOW	0.086952	0.115954	0.453325	0.529987
ENSMUSG00000060459	KNG2	-0.30558	0.407702	0.453543	0.530205
ENSMUSG00000082894	GM6480	0.450301	0.600826	0.453574	0.530205
ENSMUSG00000038236	HOXA7	-0.47268	0.630772	0.453634	0.530239
ENSMUSG00000023277	TWF2	-0.08288	0.110634	0.453766	0.530356
ENSMUSG00000036278	MACROD1	0.117663	0.157174	0.45409	0.530698
ENSMUSG00000034224	SLC38A8	0.370589	0.495162	0.454207	0.530799
ENSMUSG00000037933	BICD2	-0.09856	0.131729	0.454337	0.530878
ENSMUSG00000042320	PROX2	0.142511	0.190468	0.454331	0.530878
ENSMUSG00000059481	PLG	-0.47924	0.640602	0.454392	0.530906
ENSMUSG00000015087	RABL6	-0.07438	0.099468	0.454578	0.531086
ENSMUSG00000028863	MEAF6	-0.10655	0.14252	0.454706	0.531199
ENSMUSG00000028464	TPM2	0.212616	0.284462	0.454801	0.531274
ENSMUSG00000033880	LGALS3BP	-0.12002	0.16059	0.454834	0.531275
ENSMUSG00000025912	MYBL1	0.284325	0.380554	0.454983	0.531413
ENSMUSG00000074220	ZFP382	0.238025	0.318667	0.455099	0.531513
ENSMUSG00000020363	GFPT2	-0.16031	0.214721	0.45532	0.531734
ENSMUSG00000063015	CCNI	-0.16214	0.217408	0.45579	0.532246
ENSMUSG00000036968	CNPY4	0.194951	0.261436	0.455853	0.532283
ENSMUSG00000062729	PPOX	-0.07781	0.104382	0.456028	0.532451
ENSMUSG00000055184	FAM72A	-0.16717	0.224409	0.456313	0.532747
ENSMUSG00000025495	PTDSS2	-0.1213	0.162871	0.456426	0.532809
ENSMUSG00000051650	B3GNT2	-0.18867	0.25333	0.456429	0.532809
ENSMUSG00000084336	OLFR1269	-0.21841	0.29331	0.456494	0.532849
ENSMUSG00000031659	ADCY7	0.104557	0.140562	0.456965	0.533362
ENSMUSG00000027523	GNAS	-0.06932	0.093311	0.457574	0.534035
ENSMUSG00000087153	GM6483	0.245149	0.33032	0.457992	0.534487
ENSMUSG00000069835	SAT2	0.11018	0.148591	0.458392	0.534916
ENSMUSG00000005069	PEX5	-0.06423	0.086701	0.458789	0.535343
ENSMUSG00000049015	OLFR1467	0.317127	0.428152	0.458882	0.535415
ENSMUSG00000068706	GM10250	0.269374	0.364188	0.459509	0.536109
ENSMUSG00000013846	ST3GAL1	0.077679	0.10508	0.459759	0.536337
ENSMUSG00000015714	CERS2	0.069084	0.093453	0.459767	0.536337
ENSMUSG00000006522	ITIH3	0.284072	0.384562	0.460096	0.536683
ENSMUSG00000029249	REST	-0.06938	0.093968	0.460302	0.536864
ENSMUSG00000063902	GM7964	-0.45841	0.620874	0.460314	0.536864
ENSMUSG00000034488	EDIL3	0.26715	0.362371	0.460983	0.537607
ENSMUSG00000022587	LY6E	0.081928	0.111157	0.461095	0.537701
ENSMUSG00000024190	DUSP1	0.217167	0.294825	0.461366	0.537981
ENSMUSG00000028116	MYOZ2	-0.09292	0.126197	0.461563	0.538165
ENSMUSG00000078370	GM6316	0.265913	0.361179	0.461588	0.538165
ENSMUSG00000019189	RNF145	-0.11754	0.159709	0.46176	0.538329
ENSMUSG00000068606	GM4841	-0.3501	0.475813	0.461861	0.538407
ENSMUSG00000070284	GMPPB	0.148714	0.202129	0.46189	0.538407
ENSMUSG00000078160	GM16503	-0.41123	0.559012	0.461957	0.538448

ENSMUSG00000097328	TNFSF12	-0.1302	0.177023	0.462036	0.538503
ENSMUSG00000034218	ATM	-0.20361	0.277166	0.462567	0.539085
ENSMUSG00000038453	SRCIN1	-0.30051	0.409168	0.462686	0.539151
ENSMUSG00000079057	CYP4V3	0.132144	0.179927	0.462687	0.539151
ENSMUSG00000054716	ZFP771	0.099216	0.135147	0.462868	0.539325
ENSMUSG00000040415	DTX3	-0.06387	0.087192	0.463843	0.540423
ENSMUSG00000064281	RPL19-PS1	0.447753	0.611308	0.463893	0.540445
ENSMUSG00000026571	DCAF6	0.075071	0.10252	0.464012	0.540547
ENSMUSG00000111319	ENSMUSG0000C	-0.8763	1.19931	0.464981	0.541638
ENSMUSG00000020469	MYL7	-0.38893	0.532488	0.46515	0.541798
ENSMUSG00000081534	SLC48A1	-0.06097	0.083508	0.465319	0.541957
ENSMUSG00000045625	PIGZ	0.264755	0.362777	0.465511	0.542143
ENSMUSG00000043192	GM1840	0.398028	0.545672	0.465741	0.542374
ENSMUSG00000104913	GM6560	0.310137	0.42527	0.465836	0.542448
ENSMUSG00000020122	EGFR	-0.18412	0.252656	0.466173	0.542803
ENSMUSG00000025190	GOT1	-0.11157	0.153621	0.467692	0.544534
ENSMUSG00000034528	HSD17B13	-0.35431	0.487921	0.467734	0.544546
ENSMUSG00000028078	DCLK2	-0.21039	0.28978	0.46782	0.544608
ENSMUSG00000072423	PSMB11	0.222326	0.306268	0.467889	0.544651
ENSMUSG00000046110	SERINC4	0.302668	0.41706	0.468013	0.544758
ENSMUSG00000089824	RBM12	0.139012	0.191571	0.468056	0.544771
ENSMUSG00000031971	CCSAP	0.15565	0.214593	0.468252	0.544962
ENSMUSG00000040703	CYP2S1	-0.43312	0.597423	0.468465	0.545135
ENSMUSG00000080797	GM15760	0.338384	0.466718	0.468433	0.545135
ENSMUSG00000001943	VSIG2	0.085432	0.117984	0.469005	0.545726
ENSMUSG00000070473	CLDN3	-0.41161	0.569149	0.469558	0.546333
ENSMUSG00000035725	PRKX	-0.0645	0.089198	0.469595	0.546338
ENSMUSG00000051159	CITED1	-0.28215	0.39021	0.469635	0.546347
ENSMUSG00000008305	TLE1	-0.08519	0.117825	0.469691	0.546375
ENSMUSG00000060244	ALYREF2	0.115811	0.160341	0.47012	0.546836
ENSMUSG00000022803	POPDC2	0.060829	0.08431	0.470602	0.547359
ENSMUSG00000031293	RS1	-0.32252	0.447531	0.471121	0.547925
ENSMUSG00000057069	ERO1LB	-0.09744	0.135298	0.471417	0.548232
ENSMUSG00000021365	NEDD9	0.181528	0.252328	0.471887	0.548741
ENSMUSG00000030322	MBD4	-0.18146	0.252259	0.471942	0.548757
ENSMUSG00000067545	OLFR1419	0.328586	0.456824	0.471966	0.548757
ENSMUSG00000029675	ELN	-0.19785	0.275087	0.472005	0.548765
ENSMUSG00000045930	CLEC14A	0.254463	0.353954	0.472193	0.548947
ENSMUSG00000045991	ONECUT2	-0.26816	0.373089	0.472284	0.549015
ENSMUSG00000020677	DDX52	0.072814	0.101348	0.472476	0.549196
ENSMUSG00000025887	CASP12	-0.20889	0.290761	0.472505	0.549196
ENSMUSG00000014704	HOXA2	-0.72902	1.014914	0.472568	0.549232
ENSMUSG00000075420	SMIM6	-0.25328	0.352676	0.472651	0.54929
ENSMUSG00000029510	GPC2	-0.1872	0.26075	0.472796	0.549383
ENSMUSG00000045498	PCDHB3	-0.29164	0.406279	0.472865	0.549383
ENSMUSG00000049409	PROKR1	-0.38867	0.541477	0.472879	0.549383
ENSMUSG00000070407	HS3ST3B1	0.15906	0.221554	0.472802	0.549383
ENSMUSG00000081455	HMGB1-PS3	0.305809	0.426048	0.472892	0.549383
ENSMUSG00000003418	ST8SIA6	-0.14429	0.201147	0.473167	0.549665
ENSMUSG00000041688	AMOT	0.173	0.241278	0.473364	0.549856

ENSMUSG00000020166	CNOT2	-0.06807	0.094952	0.473472	0.549944
ENSMUSG00000059654	REG1	-0.36772	0.513154	0.473629	0.550089
ENSMUSG00000039456	MORC3	-0.08224	0.114994	0.474501	0.551064
ENSMUSG00000064262	GIMAP8	-0.083	0.116159	0.474897	0.551486
ENSMUSG00000060336	ZFP937	-0.14222	0.199105	0.475041	0.551615
ENSMUSG00000004814	CCL24	0.373557	0.523257	0.475284	0.55186
ENSMUSG00000067713	PRKAG1	0.064957	0.091011	0.475397	0.551954
ENSMUSG00000040950	MGL2	-0.51933	0.728231	0.475764	0.552341
ENSMUSG00000035469	RCBTB1	-0.10331	0.144897	0.475846	0.552399
ENSMUSG00000032637	ATXN2L	0.059218	0.083065	0.475899	0.552422
ENSMUSG00000044433	CAMSAP3	-0.19682	0.276425	0.476458	0.553034
ENSMUSG00000021620	ACOT12	-0.34533	0.485192	0.476631	0.553197
ENSMUSG00000039637	CORO7	0.116041	0.163235	0.477157	0.55377
ENSMUSG00000037236	MATR3	0.059168	0.083245	0.477226	0.553812
ENSMUSG00000020374	RASGEF1C	-0.39196	0.551681	0.477402	0.553979
ENSMUSG00000042709	ATPAF2	0.070171	0.098825	0.47767	0.554251
ENSMUSG00000039164	NAIF1	-0.17673	0.249016	0.477883	0.554461
ENSMUSG00000048544	5930422O12RI	0.38441	0.541926	0.478112	0.554689
ENSMUSG00000038069	CDKN2AIP	-0.07725	0.108933	0.478254	0.554815
ENSMUSG00000041390	MDFIC	0.091313	0.12898	0.478967	0.555605
ENSMUSG00000063232	SERPINA11	0.413194	0.584037	0.479269	0.555916
ENSMUSG00000019790	STXBP5	0.08681	0.122766	0.479495	0.556141
ENSMUSG00000052625	OLFR851	0.250782	0.354709	0.479562	0.556181
ENSMUSG00000052273	DNAH3	-0.39243	0.5553	0.479752	0.556363
ENSMUSG00000043924	NCMAP	-0.32841	0.46504	0.480071	0.556694
ENSMUSG00000025955	AKR1CL	-0.30247	0.428442	0.480202	0.556809
ENSMUSG00000090559	GM17137	0.345621	0.48977	0.480388	0.556986
ENSMUSG00000026955	SAPCD2	0.904148	1.282305	0.48075	0.557368
ENSMUSG00000085791	RPL30-PS9	1.591209	2.257407	0.480883	0.557484
ENSMUSG00000032531	AMOTL2	-0.06865	0.097494	0.481357	0.557996
ENSMUSG00000083863	GM13341	-0.09533	0.135415	0.481453	0.558068
ENSMUSG00000021661	ANKRA2	-0.06685	0.095059	0.481885	0.558455
ENSMUSG00000022048	DPYSL2	0.113544	0.161441	0.481859	0.558455
ENSMUSG00000053044	CD8B1	0.373696	0.531356	0.481877	0.558455
ENSMUSG00000024030	ABCG1	0.10555	0.150118	0.481984	0.558531
ENSMUSG00000059447	HADHB	-0.11778	0.167529	0.48204	0.558559
ENSMUSG00000020766	GALK1	0.073037	0.104194	0.48332	0.559919
ENSMUSG00000037916	NDUFV1	0.101206	0.144387	0.483346	0.559919
ENSMUSG00000037992	RARA	0.113677	0.162175	0.483334	0.559919
ENSMUSG00000071343	GM10327	0.154343	0.220181	0.483315	0.559919
ENSMUSG00000034450	GULO	-0.93579	1.335488	0.483483	0.56004
ENSMUSG00000029153	OCIAD2	-0.31625	0.451394	0.483544	0.560072
ENSMUSG00000098113	GM2445	0.228751	0.326636	0.483725	0.560243
ENSMUSG00000073940	HBB-BT	0.376899	0.538225	0.483764	0.56025
ENSMUSG00000021318	GLI3	0.17173	0.245265	0.483815	0.560271
ENSMUSG00000026335	PAM	-0.06014	0.085906	0.483906	0.560338
ENSMUSG00000003863	PPFIA3	-0.22656	0.323677	0.483961	0.560363
ENSMUSG00000039236	ISG20	0.128503	0.183792	0.484443	0.560883
ENSMUSG00000039783	KMO	0.18096	0.258896	0.484571	0.560993
ENSMUSG00000079364	GM3558	-0.31897	0.456489	0.484714	0.56112

ENSMUSG00000037347	CHST7	-0.12088	0.1731	0.484957	0.561325
ENSMUSG00000084407	GM14018	-0.16207	0.232062	0.484934	0.561325
ENSMUSG00000029823	LUC7L2	0.058359	0.083582	0.485036	0.561379
ENSMUSG00000062310	GLRP1	0.288384	0.413113	0.48513	0.561449
ENSMUSG00000095105	EDARADD	0.358779	0.514288	0.485414	0.561739
ENSMUSG00000009551	6330409D20RI	-0.24174	0.347147	0.486199	0.562572
ENSMUSG00000026065	SLC9A4	0.51087	0.733623	0.4862	0.562572
ENSMUSG00000070547	MRGPRB1	-0.37086	0.532779	0.486378	0.562741
ENSMUSG00000020289	NPRL3	-0.07628	0.10962	0.486507	0.562851
ENSMUSG00000045019	ACER1	-0.33597	0.482863	0.486557	0.562871
ENSMUSG00000025889	SNCA	-0.26273	0.377759	0.486742	0.563046
ENSMUSG00000059013	SH2D3C	0.107709	0.15514	0.487515	0.563902
ENSMUSG00000021665	HEXB	0.168523	0.243	0.487991	0.564414
ENSMUSG00000028327	STRA6L	0.227335	0.327873	0.488082	0.564481
ENSMUSG00000079554	AOX2	-0.43226	0.6236	0.4882	0.564579
ENSMUSG00000028125	ABCA4	0.220248	0.318028	0.488597	0.564972
ENSMUSG00000047557	LXN	0.231592	0.334415	0.488606	0.564972
ENSMUSG00000038044	CCT8L1	-0.37007	0.534474	0.488688	0.565028
ENSMUSG00000011832	EVI5L	0.068058	0.098391	0.489121	0.565451
ENSMUSG00000036885	ARHGEF26	0.181818	0.262854	0.48912	0.565451
ENSMUSG00000019787	TRDN	0.059557	0.086125	0.489243	0.565554
ENSMUSG000000106574	GM2451	0.219998	0.318259	0.489406	0.565703
ENSMUSG00000024212	MLLT1	0.057803	0.08366	0.489606	0.565897
ENSMUSG00000001240	RAMP2	0.122259	0.177002	0.489742	0.566016
ENSMUSG00000092534	PAGR1B	0.369715	0.535923	0.490278	0.566596
ENSMUSG00000018849	WWC1	0.375577	0.545018	0.490754	0.567108
ENSMUSG00000042801	OLFR769	0.161048	0.23376	0.490857	0.567188
ENSMUSG00000046410	KCNK6	0.095851	0.139158	0.490954	0.567262
ENSMUSG00000037343	TAF2	0.060161	0.087485	0.491664	0.568044
ENSMUSG00000027312	ATRN	0.059729	0.086914	0.491943	0.568327
ENSMUSG00000038379	TTK	0.502046	0.730617	0.491986	0.568337
ENSMUSG00000014039	PRDM15	-0.12126	0.176491	0.492037	0.568358
ENSMUSG00000031377	BMX	0.140732	0.204917	0.492225	0.568498
ENSMUSG00000059674	CDH24	-0.18453	0.268672	0.492203	0.568498
ENSMUSG00000000308	CKMT1	0.315282	0.459345	0.492477	0.568724
ENSMUSG00000073405	H2-T-PS	0.436659	0.636198	0.492488	0.568724
ENSMUSG00000032527	PCCB	-0.10317	0.150348	0.492585	0.568786
ENSMUSG00000078091	GM10912	0.234379	0.341578	0.492609	0.568786
ENSMUSG00000033352	MAP2K4	-0.06629	0.096684	0.492944	0.569063
ENSMUSG00000074228	GM10645	0.742347	1.08329	0.493173	0.569244
ENSMUSG00000056880	GADL1	-0.31212	0.455674	0.493362	0.569424
ENSMUSG00000034349	SMC4	0.123369	0.180146	0.493454	0.569491
ENSMUSG00000031969	ACAD8	-0.06325	0.092364	0.493501	0.569506
ENSMUSG00000039385	CDH6	-0.40022	0.585115	0.49397	0.57001
ENSMUSG00000016409	NKAP	0.084557	0.123662	0.494118	0.570103
ENSMUSG00000073733	RSG1	-0.2319	0.339132	0.494093	0.570103
ENSMUSG00000030533	UNC45A	0.09799	0.143348	0.49424	0.570166
ENSMUSG00000044122	PROCA1	0.211055	0.308731	0.494215	0.570166
ENSMUSG00000025983	CCDC150	0.231932	0.33934	0.494303	0.5702
ENSMUSG00000026771	SPOPL	0.1158	0.1695	0.494491	0.570378

ENSMUSG000000102543	PCDHGC5	-0.34288	0.502023	0.494607	0.570473
ENSMUSG000000023781	HES7	-0.2244	0.32893	0.495111	0.571016
ENSMUSG000000031176	DYNLT3	0.071957	0.105609	0.495644	0.571592
ENSMUSG000000050029	RAP2C	-0.05755	0.08452	0.495929	0.571882
ENSMUSG00000004035	GSTM7	-0.14107	0.207356	0.496286	0.572254
ENSMUSG000000056131	PGM3	0.094482	0.138971	0.496587	0.572563
ENSMUSG000000040564	APOC1	-0.59191	0.870843	0.496698	0.572651
ENSMUSG000000051727	KCTD14	-0.2495	0.367345	0.49702	0.572983
ENSMUSG000000020608	SMC6	-0.12952	0.190915	0.497517	0.573518
ENSMUSG000000040594	RANBP17	0.210222	0.310275	0.498066	0.574111
ENSMUSG000000073491	IFI213	0.2091	0.308894	0.49845	0.574476
ENSMUSG000000082149	GM13002	-0.19137	0.282696	0.498441	0.574476
ENSMUSG000000026200	GLB1L	0.125628	0.185643	0.498586	0.574594
ENSMUSG000000028001	FGA	0.232744	0.344466	0.499254	0.575285
ENSMUSG000000091617	GM3752	0.364619	0.53961	0.499226	0.575285
ENSMUSG000000047293	GPR15	0.395767	0.587558	0.500578	0.576733
ENSMUSG000000103230	GM17970	-0.31604	0.469179	0.500562	0.576733
ENSMUSG000000000148	BRAT1	-0.06799	0.100968	0.500693	0.576827
ENSMUSG000000026743	MLLT10	-0.10753	0.159754	0.500873	0.576994
ENSMUSG000000039081	ZFP503	0.161065	0.239487	0.50124	0.577378
ENSMUSG000000017264	EXOSC10	0.108444	0.161524	0.501977	0.578188
ENSMUSG000000005045	CHD5	0.357968	0.533237	0.502022	0.5782
ENSMUSG000000072437	NANOS1	0.229977	0.342902	0.502425	0.578626
ENSMUSG000000030674	QPRT	0.301908	0.450222	0.50249	0.578661
ENSMUSG000000021262	EVL	0.061045	0.091142	0.502994	0.579202
ENSMUSG000000037936	SCARB1	0.069844	0.10431	0.503125	0.579273
ENSMUSG000000039463	SLC9A8	0.063697	0.095123	0.503091	0.579273
ENSMUSG000000044496	2510039O18RI	-0.07913	0.118189	0.503158	0.579273
ENSMUSG000000031617	TMEM184C	0.101924	0.152251	0.503211	0.579295
ENSMUSG000000024781	LIPA	-0.10165	0.151884	0.503329	0.579392
ENSMUSG000000028597	GPX7	-0.19899	0.297431	0.503469	0.579514
ENSMUSG000000025202	SCD3	-0.22712	0.339557	0.50358	0.579602
ENSMUSG000000020232	HMG20B	0.059529	0.089026	0.503701	0.579702
ENSMUSG000000070709	ZFP974	-0.11272	0.168647	0.503907	0.579899
ENSMUSG000000039449	PRPF18	0.062308	0.093277	0.504139	0.580127
ENSMUSG000000003299	MRPL4	-0.06971	0.104442	0.504486	0.580487
ENSMUSG000000025451	PAIP1	-0.09378	0.140517	0.504536	0.580506
ENSMUSG000000022098	BMP1	-0.06084	0.091213	0.504786	0.580714
ENSMUSG000000094800	GM9780	0.259794	0.389658	0.504949	0.580863
ENSMUSG000000096356	OLFR889	0.497062	0.745626	0.505003	0.580886
ENSMUSG000000033557	FAM20B	0.060366	0.090591	0.505182	0.581052
ENSMUSG000000052763	ZFP212	-0.08249	0.123841	0.505375	0.581234
ENSMUSG000000096606	TPBGL	-0.12831	0.192727	0.505575	0.581425
ENSMUSG000000095217	HIST1H2BN	-0.48126	0.723637	0.506018	0.581895
ENSMUSG000000074715	CCL28	-0.38676	0.582642	0.506818	0.582775
ENSMUSG000000021622	CKMT2	0.094484	0.142445	0.507137	0.583103
ENSMUSG000000014606	SLC25A11	-0.09331	0.140862	0.507712	0.583606
ENSMUSG000000048922	CDCA2	-0.21033	0.317502	0.507681	0.583606
ENSMUSG000000037960	CARD19	0.06587	0.099449	0.507751	0.583611
ENSMUSG000000045341	OLFR167	-0.27141	0.409943	0.507929	0.583776

ENSMUSG00000018427	YPEL2	-0.0767	0.115864	0.507966	0.583779
ENSMUSG000000063804	LIN28B	-0.20867	0.315401	0.50822	0.584032
ENSMUSG000000037636	SLC25A43	0.23596	0.356733	0.508326	0.584114
ENSMUSG000000029376	MTHFD2L	0.082349	0.124537	0.508455	0.584216
ENSMUSG000000063626	UNC5D	0.231228	0.34971	0.508483	0.584216
ENSMUSG000000026317	CLN8	-0.10657	0.161228	0.508623	0.584297
ENSMUSG000000082292	GM12250	-0.23125	0.349837	0.508605	0.584297
ENSMUSG000000043510	HSCB	-0.18356	0.277933	0.508959	0.584644
ENSMUSG000000069622	GM10273	0.713487	1.080485	0.509036	0.584692
ENSMUSG000000034164	EMID1	0.181986	0.27581	0.509366	0.584992
ENSMUSG000000090145	UGT1A6B	-0.90535	1.372043	0.509346	0.584992
ENSMUSG000000021377	DEK	0.063247	0.095901	0.509577	0.585178
ENSMUSG000000040489	SOX30	-0.22444	0.34034	0.509596	0.585178
ENSMUSG000000029136	RBKS	0.12062	0.183056	0.509945	0.585538
ENSMUSG000000035329	FBXO33	0.105391	0.159995	0.510076	0.585649
ENSMUSG000000043015	NEMP2	-0.17162	0.260718	0.510383	0.585937
ENSMUSG000000079012	SERPINA3M	0.394103	0.598738	0.510396	0.585937
ENSMUSG000000046808	ATP10D	0.201265	0.306089	0.510836	0.586402
ENSMUSG000000016520	LNx2	0.072586	0.11052	0.511329	0.58688
ENSMUSG000000038224	SERPINF2	0.338649	0.515661	0.511355	0.58688
ENSMUSG000000051790	NLGN2	0.084353	0.128431	0.511311	0.58688
ENSMUSG000000022124	FBXL3	0.055985	0.085269	0.511456	0.586956
ENSMUSG0000000109510	GM42417	0.100202	0.152672	0.511617	0.587101
ENSMUSG000000048520	FBXL13	0.309309	0.471619	0.511923	0.587413
ENSMUSG000000067586	S1PR3	0.075201	0.114728	0.512164	0.587649
ENSMUSG000000041112	ELMO1	0.080176	0.122473	0.512696	0.58822
ENSMUSG000000096003	GM3500	-0.82519	1.260787	0.512788	0.588286
ENSMUSG000000041698	SLCO1A1	0.357083	0.546035	0.51314	0.588611
ENSMUSG000000043501	LGALS2	-0.30612	0.468109	0.513141	0.588611
ENSMUSG000000048756	FOXO3	-0.09094	0.139121	0.513305	0.58876
ENSMUSG000000042507	ELMSAN1	-0.07787	0.119164	0.513438	0.588872
ENSMUSG000000021792	FAM213A	0.121564	0.186155	0.513741	0.589179
ENSMUSG000000091556	GM14569	0.276708	0.424016	0.514022	0.589462
ENSMUSG000000063767	S100A7A	-0.76878	1.17828	0.514107	0.589521
ENSMUSG000000019817	PLAGL1	-0.18163	0.278496	0.514287	0.589687
ENSMUSG000000026393	NEK7	0.053987	0.082808	0.514434	0.589815
ENSMUSG000000011517	OLFR1238	0.208372	0.319686	0.514529	0.589885
ENSMUSG000000028331	TRMO	0.096901	0.148694	0.514605	0.589932
ENSMUSG000000031776	ARL2BP	-0.05546	0.085185	0.514997	0.590341
ENSMUSG000000057637	PRDM2	-0.08713	0.133849	0.515097	0.590383
ENSMUSG000000058145	ADAMTS17	0.231159	0.35513	0.515103	0.590383
ENSMUSG000000028068	IQGAP3	0.225908	0.347199	0.515266	0.59053
ENSMUSG000000042190	CMKLR1	-0.09321	0.14327	0.515307	0.590537
ENSMUSG000000063052	LRRc40	0.091414	0.14052	0.515346	0.590541
ENSMUSG000000055480	ZFP458	-0.16476	0.253365	0.515506	0.590686
ENSMUSG000000055072	GM9964	-0.26316	0.405099	0.515934	0.591122
ENSMUSG0000000107584	GM18716	0.229394	0.353136	0.515957	0.591122
ENSMUSG000000073460	PNLDC1	-0.18656	0.28726	0.516061	0.591202
ENSMUSG000000069917	HBA-A2	0.333485	0.513869	0.516358	0.591502
ENSMUSG000000022749	TBC1D23	-0.05945	0.09163	0.516464	0.591543

ENSMUSG000000101860	MINDY4B-PS	-0.39873	0.614526	0.516437	0.591543
ENSMUSG000000047415	GPR68	-0.20688	0.318957	0.516597	0.591656
ENSMUSG000000067925	RTL8A	-0.08446	0.13047	0.51738	0.592513
ENSMUSG000000062081	GM6055	0.302927	0.468174	0.517606	0.592732
ENSMUSG000000032812	ARAP1	-0.11109	0.171711	0.517669	0.592764
ENSMUSG000000057447	OLFR1205	0.310546	0.480162	0.517793	0.592866
ENSMUSG000000036748	CUEDC2	0.067211	0.103935	0.517849	0.592871
ENSMUSG000000061390	UBA52-PS	0.357394	0.552697	0.517868	0.592871
ENSMUSG000000040732	ERG	-0.07802	0.120772	0.518271	0.593293
ENSMUSG000000042477	TFAP2E	-0.39735	0.615433	0.518512	0.593529
ENSMUSG000000034210	EFCAB14	-0.06075	0.094128	0.518698	0.593669
ENSMUSG000000044629	CNRIP1	-0.10983	0.170194	0.518704	0.593669
ENSMUSG000000090626	TEX9	-0.16436	0.255137	0.519434	0.594464
ENSMUSG000000032067	PTS	-0.25104	0.389738	0.519492	0.594481
ENSMUSG000000098091	GM16470	0.36652	0.569053	0.519519	0.594481
ENSMUSG000000019726	LYST	0.165105	0.256377	0.519579	0.59451
ENSMUSG000000043336	FILIP1L	0.080293	0.124728	0.519742	0.594656
ENSMUSG000000005705	AGRP	-0.27199	0.422775	0.519995	0.594905
ENSMUSG000000083855	OLFR1175-PS	0.13384	0.208129	0.520183	0.595081
ENSMUSG000000095385	D630033O11RI	-0.27097	0.421779	0.520582	0.595496
ENSMUSG000000053536	CSTF2T	-0.05451	0.084908	0.520858	0.595773
ENSMUSG000000063583	OLFR1410	-0.27957	0.435516	0.520912	0.595795
ENSMUSG0000000108506	GM44705	0.245765	0.382986	0.521063	0.595926
ENSMUSG000000030834	ABCC6	-0.35633	0.55545	0.521192	0.596035
ENSMUSG000000020023	TMCC3	-0.24135	0.376495	0.521502	0.596349
ENSMUSG000000034110	KCTD7	0.172755	0.269633	0.521716	0.596554
ENSMUSG000000003199	MPND	-0.06775	0.105808	0.521988	0.596746
ENSMUSG000000039556	PPP1R3F	0.177295	0.276901	0.52199	0.596746
ENSMUSG000000055560	ZFP459	0.126333	0.197309	0.52199	0.596746
ENSMUSG000000000792	SLC5A5	-0.44495	0.695613	0.522397	0.597171
ENSMUSG000000038331	SATB2	0.231801	0.362616	0.522662	0.597434
ENSMUSG000000032908	SGPP2	0.308386	0.482605	0.522821	0.597575
ENSMUSG000000038225	PRIMPOL	-0.131	0.205242	0.523305	0.598088
ENSMUSG000000063383	ZFP947	-0.12575	0.197128	0.523545	0.598322
ENSMUSG000000033860	FGG	0.244314	0.383417	0.523994	0.598795
ENSMUSG000000034216	VPS18	-0.05826	0.091462	0.524158	0.598942
ENSMUSG000000078650	G6PC	-0.54665	0.858536	0.524305	0.59907
ENSMUSG000000074973	GM11382	0.388817	0.611202	0.524678	0.599455
ENSMUSG000000108681	GM17825	0.189599	0.298101	0.524762	0.599511
ENSMUSG000000037010	APLN	-0.18191	0.286377	0.525292	0.600077
ENSMUSG000000029754	DLX6	-0.2733	0.430457	0.525482	0.600253
ENSMUSG000000020472	ZKSCAN17	0.080235	0.126417	0.525632	0.600383
ENSMUSG000000027959	SASS6	-0.22114	0.348623	0.525867	0.600612
ENSMUSG000000020841	CPD	-0.08238	0.129915	0.526004	0.600728
ENSMUSG000000055202	ZFP811	0.193429	0.30539	0.526484	0.601236
ENSMUSG000000079402	GM3020	0.294064	0.464664	0.52683	0.601576
ENSMUSG000000096488	GM10409	0.296992	0.469317	0.526853	0.601576
ENSMUSG000000060404	OLFR1369-PS1	-0.2675	0.422782	0.526925	0.601618
ENSMUSG000000064354	MT-CO2	0.114253	0.180705	0.527215	0.601909
ENSMUSG000000027536	CHMP4C	-0.11371	0.179938	0.527419	0.602101

ENSMUSG00000064158	IZUMO1	-0.17694	0.280026	0.527473	0.602122
ENSMUSG00000022897	DYRK1A	0.053377	0.084493	0.527559	0.60218
ENSMUSG00000028468	RGP1	-0.10679	0.169149	0.527805	0.60242
ENSMUSG00000025269	APEX2	0.091365	0.144819	0.52811	0.602728
ENSMUSG00000031232	MAGT1	-0.06591	0.104487	0.528203	0.602793
ENSMUSG00000044702	PALB2	0.194261	0.308174	0.528458	0.603006
ENSMUSG00000074771	ANKEF1	0.203598	0.322988	0.52846	0.603006
ENSMUSG00000035202	LARS2	-0.11278	0.17898	0.528624	0.603153
ENSMUSG00000044667	PLPPR4	-0.32365	0.5138	0.528747	0.603252
ENSMUSG00000036768	KIF15	0.335851	0.533777	0.52922	0.603751
ENSMUSG00000039154	SHD	-0.18994	0.302098	0.529519	0.604051
ENSMUSG00000032058	PPP2R1B	-0.10315	0.164357	0.530263	0.60486
ENSMUSG00000000915	HIP1R	-0.08414	0.13415	0.530536	0.605117
ENSMUSG00000047854	STX19	0.292548	0.466471	0.53056	0.605117
ENSMUSG00000070639	LRRC8B	0.070809	0.112947	0.530709	0.605205
ENSMUSG00000074746	PDZD8	0.060579	0.096622	0.53068	0.605205
ENSMUSG00000042489	CLSPN	0.353148	0.563416	0.530791	0.605259
ENSMUSG00000056501	CEBPB	0.160868	0.256733	0.530925	0.605371
ENSMUSG00000028668	ELOA	0.132337	0.211253	0.531026	0.605404
ENSMUSG00000037108	ZCWPW1	0.163817	0.261482	0.530991	0.605404
ENSMUSG00000035840	LYSMD3	0.062737	0.100194	0.531218	0.605583
ENSMUSG00000081476	ITPA-PS1	1.700518	2.716321	0.531291	0.605625
ENSMUSG00000002660	CLPP	0.105511	0.168636	0.531528	0.605814
ENSMUSG00000070733	FRYL	-0.10527	0.168239	0.531501	0.605814
ENSMUSG00000001323	SRR	0.08547	0.136666	0.531714	0.605945
ENSMUSG00000054693	ADAM10	-0.05769	0.092238	0.531681	0.605945
ENSMUSG00000041734	KIRREL	-0.16987	0.271876	0.532098	0.606341
ENSMUSG00000044534	ACKR2	-0.26891	0.430423	0.532133	0.606341
ENSMUSG00000033909	USP36	0.121482	0.194655	0.532569	0.606797
ENSMUSG00000029638	GLCCI1	0.276036	0.443134	0.533338	0.607633
ENSMUSG00000027699	ECT2	0.371041	0.596091	0.533642	0.607938
ENSMUSG00000019889	PTPRK	0.054547	0.087656	0.533756	0.608027
ENSMUSG00000033769	EXOC6B	-0.05908	0.09495	0.533805	0.608042
ENSMUSG00000037259	DZANK1	-0.20059	0.322928	0.534486	0.608777
ENSMUSG00000001786	FBXO7	0.063175	0.101749	0.534674	0.60895
ENSMUSG00000020090	NPFFR1	0.213205	0.343462	0.534762	0.608987
ENSMUSG00000096436	OLFR1437	0.31329	0.504713	0.534778	0.608987
ENSMUSG00000026303	MLPH	-0.22319	0.359596	0.534824	0.608998
ENSMUSG00000078126	RPL23A-PS3	0.577853	0.931285	0.534935	0.609084
ENSMUSG000000100505	GM13283	-0.36527	0.588822	0.535036	0.609158
ENSMUSG00000046667	RBM12B1	0.07331	0.118291	0.53543	0.609566
ENSMUSG00000029700	SLC13A1	0.301914	0.487726	0.535901	0.610021
ENSMUSG00000034157	CIPC	-0.07756	0.125282	0.535866	0.610021
ENSMUSG00000016087	FLI1	0.118904	0.192149	0.536042	0.61014
ENSMUSG00000027598	ITCH	0.056067	0.090664	0.536305	0.610398
ENSMUSG00000089818	GM15950	-0.23743	0.384029	0.536404	0.61047
ENSMUSG00000032030	CUL5	0.054473	0.088172	0.536704	0.610771
ENSMUSG00000056185	SNX32	-0.08771	0.141989	0.536746	0.610777
ENSMUSG00000027752	EXOSC8	0.069782	0.11298	0.536805	0.610804
ENSMUSG00000028688	TOE1	-0.0916	0.148445	0.537174	0.611141

ENSMUSG00000036777	ANLN	0.284778	0.461473	0.537164	0.611141
ENSMUSG00000020490	BTNL10	-0.42542	0.689527	0.53725	0.611147
ENSMUSG00000090812	SAMD15	0.197921	0.320765	0.537216	0.611147
ENSMUSG00000021576	PDCD6	-0.05333	0.086503	0.537537	0.611432
ENSMUSG00000026589	SEC16B	-0.23628	0.383319	0.537621	0.611486
ENSMUSG00000089911	MFSD14A	0.068792	0.111774	0.53825	0.61216
ENSMUSG00000032554	TRF	-0.22856	0.371978	0.538913	0.612833
ENSMUSG00000056598	DRC3	0.149774	0.243742	0.538898	0.612833
ENSMUSG00000025871	4833439L19RIH	-0.05474	0.0891	0.538976	0.612863
ENSMUSG00000007850	HNRNPH1	-0.06151	0.100234	0.539431	0.61334
ENSMUSG00000027249	F2	-0.43378	0.706924	0.539468	0.613341
ENSMUSG000000098111	GM4654	0.186141	0.303414	0.539553	0.613396
ENSMUSG00000000753	SERPINF1	0.1369	0.223199	0.539644	0.613417
ENSMUSG00000038641	AKR1D1	-0.50471	0.822809	0.539614	0.613417
ENSMUSG00000061904	SLC25A3	-0.1024	0.167059	0.539892	0.613659
ENSMUSG00000033436	ARMCX2	-0.07785	0.127021	0.539934	0.613665
ENSMUSG00000002228	PPM1J	-0.13737	0.224489	0.540596	0.614335
ENSMUSG00000086513	9130208D14RI	0.22023	0.359895	0.540586	0.614335
ENSMUSG00000074178	GM10638	-0.13315	0.217646	0.540674	0.614383
ENSMUSG00000047977	SYNB	0.326916	0.534428	0.540728	0.614403
ENSMUSG00000041258	ZFP236	-0.09954	0.162803	0.540915	0.614574
ENSMUSG00000042766	TRIM46	0.139011	0.227521	0.541211	0.614869
ENSMUSG00000058240	CRYZL1	0.06143	0.100591	0.5414	0.615037
ENSMUSG00000072974	GM4787	0.269175	0.4408	0.541431	0.615037
ENSMUSG00000036896	C1QC	0.100347	0.164357	0.541502	0.615077
ENSMUSG00000010277	2610507B11RII	-0.05103	0.083668	0.541917	0.615506
ENSMUSG00000020038	CRY1	0.115989	0.190251	0.542085	0.615644
ENSMUSG00000098950	GM28036	-0.20565	0.33734	0.54211	0.615644
ENSMUSG000000110266	GM32742	0.17629	0.289366	0.542373	0.615901
ENSMUSG00000020628	TRAPPC12	-0.05938	0.097525	0.542592	0.616102
ENSMUSG00000029999	TGFA	0.195151	0.320549	0.542657	0.616102
ENSMUSG00000049940	PGRMC2	0.052423	0.086117	0.542696	0.616102
ENSMUSG00000093877	OLFR1348	0.302087	0.496236	0.542685	0.616102
ENSMUSG00000031981	CAPN9	-0.33702	0.553771	0.542792	0.616171
ENSMUSG00000029814	IGF2BP3	-0.27949	0.459339	0.542886	0.616236
ENSMUSG00000092528	NLRP1C-PS	-0.2489	0.409129	0.542949	0.616266
ENSMUSG00000036902	NETO2	0.113795	0.187097	0.543046	0.616331
ENSMUSG00000054770	KCTD18	0.071521	0.117602	0.543078	0.616331
ENSMUSG00000083929	GM10600	-0.15345	0.252441	0.543281	0.616479
ENSMUSG000000111331	CT010495.1	-0.24003	0.394853	0.543251	0.616479
ENSMUSG00000020982	NEMF	0.051468	0.084682	0.543334	0.616497
ENSMUSG00000074227	SPINT2	0.114352	0.188279	0.543618	0.616779
ENSMUSG00000079065	BC005561	0.068117	0.112206	0.543805	0.616949
ENSMUSG00000054717	HMGB2	0.088269	0.145468	0.543989	0.617116
ENSMUSG00000024231	CUL2	-0.05298	0.08734	0.544143	0.617251
ENSMUSG00000034473	SEC22A	-0.10379	0.171143	0.544207	0.617276
ENSMUSG000000109528	OLFR1309	0.202467	0.333875	0.544238	0.617276
ENSMUSG00000020216	JSRP1	-0.15726	0.259411	0.544376	0.617391
ENSMUSG00000027618	NFS1	0.060902	0.100495	0.544503	0.61748
ENSMUSG00000058246	GM10037	-0.25198	0.415828	0.544527	0.61748

ENSMUSG00000028743	AKR7A5	-0.12656	0.208889	0.544602	0.617524
ENSMUSG00000047022	MIPOL1	-0.08911	0.147154	0.544812	0.61772
ENSMUSG00000048109	RBM15	0.08778	0.145001	0.544931	0.617814
ENSMUSG00000071647	EML3	0.096075	0.158929	0.5455	0.618418
ENSMUSG00000029387	GTF2H3	0.061851	0.102782	0.547324	0.620362
ENSMUSG00000041415	DICER1	-0.05053	0.083959	0.547262	0.620362
ENSMUSG00000092574	2810047C21RII	0.80852	1.343557	0.547323	0.620362
ENSMUSG00000028370	PAPPA	0.161307	0.268327	0.547734	0.620785
ENSMUSG00000030852	TACC2	0.304054	0.506346	0.548182	0.621251
ENSMUSG00000025007	ALDH18A1	-0.13887	0.231396	0.548407	0.621464
ENSMUSG00000096401	GM21811	-0.12647	0.210809	0.548562	0.621598
ENSMUSG00000055435	MAF	0.180631	0.301223	0.548734	0.621752
ENSMUSG00000035769	XYLB	0.302798	0.505053	0.548816	0.621762
ENSMUSG00000049764	ZFP280B	-0.06714	0.111975	0.548798	0.621762
ENSMUSG00000025243	SLC6A20B	0.220583	0.368014	0.548914	0.621832
ENSMUSG00000008958	VPS72	0.055704	0.093106	0.549644	0.622576
ENSMUSG00000030822	PRR14	-0.06287	0.105075	0.549631	0.622576
ENSMUSG000000101337	DNAH7C	0.336546	0.562749	0.549814	0.622726
ENSMUSG00000054894	ATP5S	0.08493	0.142228	0.550415	0.623365
ENSMUSG00000030823	9130019O22RI	-0.09866	0.165282	0.550559	0.623404
ENSMUSG00000052241	A930035D04RI	0.172262	0.288565	0.550533	0.623404
ENSMUSG00000075256	CERKL	0.305129	0.511091	0.550497	0.623404
ENSMUSG00000022711	PMM2	0.057604	0.096604	0.550985	0.623844
ENSMUSG00000068036	AFDN	-0.08349	0.140106	0.551217	0.624066
ENSMUSG00000074505	FAT3	-0.21214	0.356102	0.551349	0.624173
ENSMUSG00000017405	NEK8	0.093071	0.156345	0.551648	0.62447
ENSMUSG00000023345	POC1A	-0.09453	0.15886	0.551794	0.624589
ENSMUSG00000051413	PLAGL2	-0.07244	0.121746	0.551826	0.624589
ENSMUSG00000005540	FCER2A	0.142722	0.240029	0.552109	0.624867
ENSMUSG00000094840	MUC3A	-0.19907	0.334879	0.552212	0.624943
ENSMUSG00000062480	ACAT3	0.349734	0.588636	0.552416	0.625132
ENSMUSG00000045225	OLFR1152	-0.36018	0.606499	0.552601	0.625299
ENSMUSG00000033596	RFWD3	-0.11129	0.187475	0.552745	0.62542
ENSMUSG00000096528	G430049J08RII	0.177446	0.299162	0.553085	0.625763
ENSMUSG00000028556	DOCK7	-0.08805	0.148482	0.553189	0.625839
ENSMUSG00000074553	EIF1-PS1	0.307237	0.51817	0.55323	0.625844
ENSMUSG00000028927	PADI2	0.198542	0.335075	0.553496	0.626103
ENSMUSG00000054364	RHOB	-0.09126	0.154065	0.553638	0.626222
ENSMUSG00000028790	KHDRBS1	0.058739	0.099209	0.553803	0.626367
ENSMUSG00000049122	FRMD3	0.287022	0.485383	0.554298	0.626883
ENSMUSG00000059119	NAP1L4	0.060337	0.102055	0.55437	0.626883
ENSMUSG00000083287	GM13502	-0.36466	0.616737	0.554342	0.626883
ENSMUSG00000050108	BPIFC	0.319175	0.540472	0.554823	0.627354
ENSMUSG00000066861	OAS1G	-0.11495	0.194851	0.555228	0.62777
ENSMUSG00000029718	PCOLCE	-0.06766	0.114798	0.555612	0.628162
ENSMUSG00000064023	KLK8	-0.10392	0.176344	0.555669	0.628185
ENSMUSG00000074502	UBTFL1	0.288954	0.490503	0.555796	0.628286
ENSMUSG00000006342	SUSD2	-0.12911	0.219234	0.555917	0.628381
ENSMUSG00000026650	MEIG1	0.116269	0.197683	0.556424	0.628913
ENSMUSG00000001435	COL18A1	-0.08525	0.145098	0.556863	0.629339

ENSMUSG00000039157	FAM102A	0.149232	0.254017	0.556875	0.629339
ENSMUSG00000037461	INTS7	-0.09269	0.15797	0.557356	0.62984
ENSMUSG00000006642	TCF23	-0.10292	0.175532	0.557662	0.630116
ENSMUSG00000020474	POLM	-0.12118	0.20668	0.557674	0.630116
ENSMUSG00000055882	ABHD16B	0.274195	0.468063	0.558005	0.630448
ENSMUSG00000021411	PXDC1	0.139185	0.237653	0.558102	0.630475
ENSMUSG000000102252	SNRPN	-0.11359	0.193957	0.558103	0.630475
ENSMUSG00000020857	NME2	-0.05161	0.088189	0.55837	0.630692
ENSMUSG00000022018	RGCC	0.20843	0.356122	0.558362	0.630692
ENSMUSG00000058486	WDR91	0.085252	0.145831	0.558822	0.631161
ENSMUSG00000090015	GM15446	-0.18379	0.314537	0.559007	0.631327
ENSMUSG00000097295	HMGB1-PS8	-0.25628	0.439155	0.559506	0.63185
ENSMUSG00000040490	LRFN2	-0.23506	0.403861	0.56054	0.632975
ENSMUSG00000073791	EFCAB7	0.210699	0.362544	0.561128	0.633596
ENSMUSG00000020305	ASB3	0.0775	0.133486	0.561518	0.633995
ENSMUSG00000079334	NAA80	-0.05294	0.09124	0.561729	0.63419
ENSMUSG00000050128	OLFR1023	0.154726	0.266679	0.561784	0.63421
ENSMUSG00000070490	GM10293	0.136099	0.234962	0.562428	0.634896
ENSMUSG00000031144	SYP	-0.1504	0.25985	0.562724	0.635188
ENSMUSG00000079633	RHOX4D	-0.39602	0.684426	0.562851	0.635288
ENSMUSG00000028542	SLC6A9	-0.13082	0.226137	0.562925	0.63533
ENSMUSG00000034203	CHCHD4	0.051211	0.088535	0.562973	0.635342
ENSMUSG00000002820	ATG4D	-0.07606	0.131572	0.56321	0.635567
ENSMUSG00000052075	1700029F12RII	0.318117	0.550653	0.563461	0.635808
ENSMUSG00000084166	GM6451	-0.19971	0.346113	0.563939	0.636305
ENSMUSG00000023972	PTK7	-0.08889	0.154122	0.564122	0.636469
ENSMUSG00000078453	ABRACL	0.052485	0.091151	0.564747	0.637132
ENSMUSG00000050295	FOXC1	0.096325	0.167327	0.564839	0.637193
ENSMUSG00000048616	NOG	-0.39231	0.681814	0.565031	0.637341
ENSMUSG00000082424	GM13292	-0.18099	0.314557	0.565044	0.637341
ENSMUSG00000006941	EIF1B	-0.04968	0.086368	0.565161	0.63743
ENSMUSG00000022367	HAS2	0.252266	0.438872	0.565424	0.637684
ENSMUSG000000107169	ENSMUSG000C	0.260577	0.453441	0.565518	0.637748
ENSMUSG00000003824	SYCE2	0.135338	0.235733	0.565889	0.638124
ENSMUSG00000021715	CWC27	0.078249	0.136327	0.56598	0.638141
ENSMUSG00000036578	FXYD7	0.144072	0.250995	0.565965	0.638141
ENSMUSG00000042035	IGSF3	-0.0669	0.11658	0.566071	0.638201
ENSMUSG00000027314	DLL4	0.08279	0.14431	0.566175	0.638235
ENSMUSG00000061898	RBAK	-0.06864	0.119645	0.566146	0.638235
ENSMUSG00000007812	ZFP655	0.11065	0.192916	0.566261	0.638289
ENSMUSG00000098123	GM4518	0.25881	0.451631	0.566607	0.638636
ENSMUSG00000024787	SNX15	-0.07222	0.12604	0.566663	0.638658
ENSMUSG00000026692	FMO4	-0.25405	0.443551	0.566802	0.638771
ENSMUSG00000037536	FBXO34	0.056565	0.098797	0.566961	0.638908
ENSMUSG00000026028	TRAK2	0.146517	0.256102	0.567252	0.639194
ENSMUSG00000028991	MTOR	-0.06021	0.105388	0.567808	0.639777
ENSMUSG00000038525	ARMC10	-0.08964	0.157177	0.568484	0.640458
ENSMUSG00000062604	SRPK2	0.084895	0.148864	0.568487	0.640458
ENSMUSG00000021687	SCAMP1	-0.07031	0.123324	0.568589	0.640488
ENSMUSG00000032492	PTH1R	-0.09014	0.158103	0.568565	0.640488

ENSMUSG00000035540	GC	-0.46228	0.811095	0.568715	0.640587
ENSMUSG00000005339	FCER1A	0.544347	0.955459	0.568865	0.640714
ENSMUSG000000031652	N4BP1	0.050427	0.088546	0.569015	0.640841
ENSMUSG000000004099	DNMT1	-0.09587	0.168463	0.569278	0.641094
ENSMUSG000000066697	GM10172	0.339182	0.596427	0.569567	0.641376
ENSMUSG000000007107	ATP1A4	-0.54017	0.950265	0.569734	0.641522
ENSMUSG000000017607	TNS4	0.258607	0.455511	0.570219	0.641983
ENSMUSG000000081004	GM9157	-0.3076	0.54179	0.570211	0.641983
ENSMUSG000000034579	PLA2G3	0.127369	0.224549	0.570563	0.642328
ENSMUSG000000061798	OLFR1204	-0.27634	0.48724	0.570607	0.642335
ENSMUSG000000025417	PIP4K2C	0.072882	0.128548	0.570737	0.642438
ENSMUSG000000042873	LHFPL4	-0.13562	0.239295	0.570874	0.64255
ENSMUSG000000106247	GM43720	0.947373	1.671728	0.570916	0.642555
ENSMUSG000000020798	SPNS3	0.27631	0.488126	0.571351	0.643002
ENSMUSG000000026663	ATF6	-0.04663	0.082419	0.571532	0.643163
ENSMUSG000000050017	PITPNB	-0.04779	0.084523	0.571814	0.643438
ENSMUSG000000074619	1700034I23RIK	-0.25546	0.452504	0.572386	0.644038
ENSMUSG000000032387	RBPMS2	-0.0525	0.093074	0.572719	0.64437
ENSMUSG000000064330	PDE6H	-0.24553	0.435633	0.57302	0.644624
ENSMUSG000000075286	GM1968	-0.27782	0.492911	0.573008	0.644624
ENSMUSG000000067529	OLFR1423	-0.19732	0.350312	0.573245	0.644835
ENSMUSG000000097954	GM4217	0.175447	0.311887	0.573751	0.645361
ENSMUSG000000107482	GM45233	0.128706	0.228864	0.573864	0.645445
ENSMUSG000000015647	LAMA5	-0.07416	0.131941	0.574093	0.64566
ENSMUSG000000111728	GM48850	-0.23874	0.424941	0.574232	0.645774
ENSMUSG000000074847	GM10775	0.277327	0.494397	0.574839	0.646413
ENSMUSG000000044916	1700029I15RIK	0.187534	0.334358	0.574881	0.646418
ENSMUSG000000054545	UGT1A6A	-0.29282	0.522507	0.575194	0.646727
ENSMUSG000000079654	PRRT4	-0.36264	0.647163	0.575242	0.646738
ENSMUSG000000057270	OLFR1501	0.351972	0.628222	0.575298	0.646757
ENSMUSG000000031585	GTF2E2	0.071455	0.127554	0.575346	0.646769
ENSMUSG000000022684	BFAR	0.051035	0.091125	0.575443	0.646836
ENSMUSG000000036292	GRAMD1C	0.125036	0.223361	0.575621	0.646992
ENSMUSG000000026765	LYPD6B	-0.3083	0.551194	0.57593	0.647297
ENSMUSG000000000581	C1D	0.05674	0.101469	0.576035	0.647332
ENSMUSG000000040459	ARGLU1	-0.04675	0.083604	0.576038	0.647332
ENSMUSG000000046295	ANKLE1	0.307585	0.550379	0.576257	0.647535
ENSMUSG000000021750	FAM107A	-0.09914	0.177716	0.576945	0.648254
ENSMUSG000000042292	MKL1	-0.07428	0.133185	0.577018	0.648254
ENSMUSG000000043257	PIGV	-0.07372	0.132176	0.577046	0.648254
ENSMUSG000000095681	GM8281	0.295149	0.529224	0.577049	0.648254
ENSMUSG000000045205	DPY19L4	0.115545	0.207209	0.577098	0.648266
ENSMUSG000000093910	ZFP853	-0.22857	0.410498	0.577659	0.648853
ENSMUSG000000005804	BLOC1S6	0.061234	0.11002	0.577819	0.64899
ENSMUSG000000002006	PDZD4	-0.09791	0.176165	0.578346	0.649539
ENSMUSG000000026970	RBMS1	-0.05745	0.103406	0.578488	0.649656
ENSMUSG000000032066	BCO2	0.178299	0.320965	0.578547	0.649679
ENSMUSG000000032786	ALAS1	0.056013	0.100859	0.578646	0.649747
ENSMUSG000000029053	PRKCZ	-0.15884	0.286162	0.578839	0.649922
ENSMUSG000000022263	TRIO	-0.04592	0.082835	0.57936	0.650383

ENSMUSG00000038677	SCUBE3	-0.2041	0.368196	0.579365	0.650383
ENSMUSG00000064037	GPN1	0.068066	0.122786	0.57934	0.650383
ENSMUSG00000036856	WNT4	0.205181	0.370351	0.579566	0.650566
ENSMUSG00000039050	OSBPL2	-0.0477	0.086136	0.57974	0.650717
ENSMUSG00000052298	CDC42SE2	0.097734	0.176514	0.579792	0.650733
ENSMUSG00000031349	NSDHL	-0.07387	0.133441	0.579864	0.65077
ENSMUSG00000069441	DSG1A	0.20501	0.370675	0.580215	0.651122
ENSMUSG00000023066	RTTN	0.075098	0.135815	0.580303	0.651177
ENSMUSG00000031327	CHIC1	-0.10146	0.183566	0.580476	0.651328
ENSMUSG00000041482	PIEZO2	-0.19675	0.356043	0.580529	0.651345
ENSMUSG00000052534	PBX1	-0.14054	0.254357	0.580577	0.651356
ENSMUSG00000032083	APOA1	-0.44034	0.797068	0.580639	0.651383
ENSMUSG00000028463	CAR9	-0.17672	0.320021	0.580811	0.651533
ENSMUSG00000035637	GRHPR	-0.07463	0.135215	0.581003	0.651704
ENSMUSG00000024260	SAP130	-0.0489	0.088686	0.581397	0.652104
ENSMUSG00000074768	BHMT	-0.3532	0.640863	0.581546	0.652228
ENSMUSG00000001419	MEF2D	-0.04548	0.082545	0.581633	0.652282
ENSMUSG00000026433	RAB29	-0.08385	0.152287	0.581916	0.652547
ENSMUSG00000032212	SLTM	0.046309	0.084116	0.581946	0.652547
ENSMUSG00000070034	SP110	-0.09304	0.16913	0.582239	0.652832
ENSMUSG000000101906	MRGPRC2-PS	-0.19679	0.358097	0.582639	0.653238
ENSMUSG00000090231	CFB	0.117345	0.213643	0.582828	0.653406
ENSMUSG00000053164	GPR21	-0.50745	0.924155	0.582942	0.65349
ENSMUSG00000031486	ADGRA2	-0.07927	0.144607	0.583553	0.654132
ENSMUSG00000056596	TRNP1	-0.11929	0.218005	0.584262	0.654884
ENSMUSG00000020153	NDUFS7	-0.12481	0.228177	0.584399	0.654995
ENSMUSG00000029061	MMP23	-0.19247	0.352288	0.584828	0.655432
ENSMUSG00000082154	GM16464	-0.32791	0.600555	0.585059	0.655647
ENSMUSG00000026240	COPS7B	-0.05555	0.101825	0.585372	0.655955
ENSMUSG00000007783	CPT1C	-0.10579	0.194145	0.58581	0.656396
ENSMUSG00000020151	PTPRR	-0.10804	0.198283	0.585843	0.656396
ENSMUSG00000022710	USP7	-0.05034	0.092421	0.585967	0.656449
ENSMUSG00000032346	OOEP	0.302544	0.555415	0.585949	0.656449
ENSMUSG00000038042	PTPDC1	-0.05813	0.106767	0.586146	0.656593
ENSMUSG00000055065	DDX17	0.04548	0.083544	0.586173	0.656593
ENSMUSG00000031551	IDO1	-0.17798	0.327129	0.586401	0.656717
ENSMUSG00000032594	IP6K1	0.054916	0.100916	0.586323	0.656717
ENSMUSG00000051396	GM45902	-0.154	0.283058	0.586404	0.656717
ENSMUSG000000109061	GM49320	0.464912	0.854613	0.586439	0.656717
ENSMUSG00000027574	NKAIN4	-0.27253	0.501861	0.587096	0.65741
ENSMUSG00000078810	GP6	0.302925	0.558027	0.587233	0.65752
ENSMUSG00000040521	TSFM	-0.06195	0.114302	0.587818	0.658131
ENSMUSG00000029828	4921507P07RII	0.145495	0.268745	0.588241	0.658519
ENSMUSG00000031885	CBFB	0.049317	0.09109	0.588224	0.658519
ENSMUSG00000040009	GNAZ	-0.15684	0.289865	0.588451	0.65871
ENSMUSG00000029436	MMP17	-0.17839	0.330906	0.589819	0.660198
ENSMUSG00000052415	TCHH	0.166472	0.308844	0.589874	0.660216
ENSMUSG00000041879	IPO9	-0.06172	0.114577	0.590138	0.660467
ENSMUSG00000036461	ELF1	-0.05106	0.094815	0.590227	0.660524
ENSMUSG00000047342	ZFP286	-0.21271	0.395173	0.590393	0.660666

ENSMUSG00000034066	FARP2	-0.09165	0.170429	0.590756	0.661029
ENSMUSG00000000416	CTTNBP2	-0.201	0.373833	0.590799	0.661033
ENSMUSG00000028974	DFFA	0.060545	0.112619	0.590849	0.661046
ENSMUSG00000056258	KCNQ3	0.298979	0.5564	0.591029	0.661203
ENSMUSG00000030682	CDIPT	0.093347	0.173773	0.591146	0.661291
ENSMUSG00000019039	DALRD3	-0.05548	0.103305	0.591253	0.661366
ENSMUSG00000002055	SPAG5	0.302124	0.562957	0.591493	0.661592
ENSMUSG00000019235	RPS6KL1	-0.104	0.193908	0.591731	0.661774
ENSMUSG00000032750	GAB3	0.133288	0.248521	0.591734	0.661774
ENSMUSG00000045664	CDC42EP2	-0.11657	0.217381	0.591776	0.661778
ENSMUSG00000026816	GTF3C5	-0.06705	0.125067	0.591869	0.661838
ENSMUSG00000033444	SPECC1L	0.044415	0.082884	0.592051	0.661954
ENSMUSG00000093985	GM10406	0.210962	0.39366	0.592028	0.661954
ENSMUSG00000020513	TUBD1	0.061	0.113866	0.592157	0.662029
ENSMUSG00000078162	GM2574	0.181035	0.338114	0.592355	0.662163
ENSMUSG00000079501	GM5138	0.181035	0.338114	0.592355	0.662163
ENSMUSG00000071470	CCNB1IP1	-0.76924	1.437236	0.592498	0.662279
ENSMUSG00000025781	ATP5C1	0.073883	0.138074	0.592583	0.662298
ENSMUSG00000030583	SIPA1L3	0.088447	0.165296	0.592593	0.662298
ENSMUSG00000020434	4921536K21RII	-0.11127	0.208088	0.592854	0.662503
ENSMUSG00000041479	SYT15	0.177915	0.332702	0.592817	0.662503
ENSMUSG00000025207	SEMA4G	0.157228	0.294119	0.592946	0.662562
ENSMUSG00000015966	IL17RB	0.227342	0.425609	0.593232	0.662838
ENSMUSG00000027597	AHCY	0.061989	0.116224	0.593786	0.663414
ENSMUSG00000020377	LTC4S	-0.19459	0.365156	0.594112	0.663734
ENSMUSG00000075387	OLFR341	-0.17773	0.333669	0.594266	0.663862
ENSMUSG00000019792	TRMT11	0.067008	0.125863	0.594455	0.66403
ENSMUSG00000024379	TSLP	0.115297	0.21689	0.595009	0.664502
ENSMUSG00000032093	CD3E	0.240566	0.452514	0.594987	0.664502
ENSMUSG00000082965	GM6754	0.489867	0.921493	0.595002	0.664502
ENSMUSG00000096793	GM3002	-0.35371	0.665417	0.595035	0.664502
ENSMUSG00000068083	CYP2D40	0.303184	0.570609	0.595188	0.664629
ENSMUSG00000078908	MON1B	-0.0569	0.107181	0.595498	0.664932
ENSMUSG00000022010	TSC22D1	0.213074	0.401402	0.59554	0.664936
ENSMUSG00000031792	USB1	-0.06043	0.113877	0.595628	0.66499
ENSMUSG00000005681	APOA2	-0.31494	0.593577	0.595715	0.665044
ENSMUSG00000005362	CRBN	-0.05677	0.107019	0.595813	0.665049
ENSMUSG00000026482	RGL1	-0.07726	0.145671	0.595837	0.665049
ENSMUSG00000044150	BCLAF3	0.103092	0.194345	0.595794	0.665049
ENSMUSG00000006378	GCAT	-0.10085	0.190394	0.596332	0.665549
ENSMUSG00000025555	FARP1	0.086981	0.164263	0.596443	0.665549
ENSMUSG00000032405	PIAS1	0.074057	0.139829	0.596373	0.665549
ENSMUSG00000032714	SYDE1	0.067261	0.127011	0.596412	0.665549
ENSMUSG00000030216	WBP11	-0.04932	0.093203	0.596674	0.665763
ENSMUSG00000042185	NFRKB	-0.05474	0.103561	0.597077	0.66617
ENSMUSG00000005674	TOMM40L	0.070187	0.13282	0.597199	0.666262
ENSMUSG00000018541	CWC25	0.058964	0.111602	0.59726	0.666287
ENSMUSG00000079344	LIPO4	-0.21368	0.404847	0.597629	0.666654
ENSMUSG00000084128	ESRP2	0.202731	0.38475	0.598251	0.667304
ENSMUSG00000020701	TMEM132E	-0.29703	0.563781	0.5983	0.667313

ENSMUSG00000038925	E330034G19RI	-0.28234	0.535969	0.598338	0.667313
ENSMUSG00000029851	TCAF2	0.103783	0.197069	0.598449	0.667393
ENSMUSG00000048878	HEXIM1	0.046994	0.089312	0.598763	0.667671
ENSMUSG00000051550	ZFP579	-0.07531	0.143123	0.598777	0.667671
ENSMUSG00000074151	NLRC5	-0.14797	0.281421	0.599022	0.667901
ENSMUSG00000038543	BC028528	-0.13631	0.259351	0.599178	0.667987
ENSMUSG00000047656	TRPT1	-0.10389	0.19766	0.599152	0.667987
ENSMUSG00000075425	GM13547	0.244351	0.464992	0.59924	0.668012
ENSMUSG00000020015	CDK17	0.060596	0.115412	0.599554	0.668319
ENSMUSG00000035198	TUBG1	0.047446	0.090497	0.600082	0.668863
ENSMUSG00000033233	TRIM45	0.063948	0.122148	0.600609	0.669407
ENSMUSG00000026839	UPP2	0.189092	0.361296	0.600716	0.669482
ENSMUSG00000037331	LARP1	0.043428	0.083141	0.601434	0.670238
ENSMUSG00000075028	PRDM11	-0.06434	0.123269	0.601682	0.67047
ENSMUSG00000027977	NDST3	0.295837	0.566817	0.601721	0.67047
ENSMUSG00000074698	CSNK2A1	-0.04308	0.082693	0.602379	0.671159
ENSMUSG00000023367	TMEM176A	0.111141	0.213396	0.60249	0.671224
ENSMUSG00000086316	NBDY	-0.05503	0.105669	0.602516	0.671224
ENSMUSG00000021613	HAPLN1	0.326905	0.628088	0.602732	0.67142
ENSMUSG00000058174	GM5148	0.159508	0.306591	0.60288	0.671541
ENSMUSG00000020521	RNFT1	0.056726	0.109156	0.603287	0.67195
ENSMUSG00000029394	CDK2AP1	0.042993	0.082813	0.603653	0.672313
ENSMUSG00000061650	MED9	0.044514	0.085782	0.603816	0.672451
ENSMUSG00000035246	PCYT1B	-0.2005	0.386547	0.603969	0.672578
ENSMUSG00000053615	GM9913	0.340536	0.656593	0.604011	0.67258
ENSMUSG00000030491	TDRD12	-0.28866	0.556838	0.60418	0.672724
ENSMUSG00000005237	DNAH2	0.198178	0.382371	0.604258	0.672766
ENSMUSG00000054594	OSCAR	-0.23484	0.453617	0.60467	0.673181
ENSMUSG00000053318	SLAMF8	0.374272	0.723078	0.604731	0.673205
ENSMUSG00000055978	FUT2	-0.13217	0.255398	0.604796	0.673233
ENSMUSG00000032081	APOC3	-0.40705	0.787167	0.605078	0.673415
ENSMUSG00000071662	POLR2G	-0.04462	0.086274	0.605031	0.673415
ENSMUSG00000072872	RYBP	0.079243	0.15323	0.605051	0.673415
ENSMUSG00000064341	MT-ND1	0.080717	0.156149	0.605212	0.67352
ENSMUSG00000001123	LGALS9	-0.08	0.154942	0.605639	0.673952
ENSMUSG00000061451	TMEM151A	-0.19797	0.383642	0.60584	0.67413
ENSMUSG00000025931	PAQR8	0.103411	0.200536	0.606085	0.674359
ENSMUSG00000050390	C77080	0.111198	0.215878	0.606487	0.674762
ENSMUSG00000107383	GM4366	0.283381	0.55025	0.60655	0.674787
ENSMUSG00000044715	GSKIP	-0.07631	0.148214	0.606637	0.67484
ENSMUSG00000026245	FARSB	0.073915	0.143584	0.606704	0.674871
ENSMUSG00000098065	GM5177	0.267289	0.519905	0.607173	0.675349
ENSMUSG00000049960	MRPS16	0.084758	0.164924	0.607308	0.675454
ENSMUSG00000029427	ZCCHC8	0.058233	0.113505	0.607921	0.676092
ENSMUSG00000025860	XIAP	-0.04442	0.086591	0.607977	0.676109
ENSMUSG00000028282	CASP8AP2	0.093443	0.182281	0.608207	0.676275
ENSMUSG00000030729	PGM2L1	-0.07381	0.143988	0.608235	0.676275
ENSMUSG00000032595	CDHR4	-0.19584	0.382065	0.608245	0.676275
ENSMUSG00000025203	SCD2	-0.16422	0.320588	0.608476	0.676487
ENSMUSG00000095294	GM21119	-0.33108	0.646617	0.608638	0.676623

ENSMUSG00000039146	IFI44L	-0.98079	1.918795	0.609246	0.677255
ENSMUSG00000039963	CCDC40	0.273014	0.534242	0.60933	0.677303
ENSMUSG00000030471	ZDHHC13	-0.05305	0.103843	0.609447	0.677389
ENSMUSG00000018412	KANSL1	-0.04609	0.090289	0.609688	0.677574
ENSMUSG00000028871	RSPO1	-0.21179	0.414899	0.609732	0.677574
ENSMUSG00000044029	OLFR178	-0.28676	0.561766	0.609722	0.677574
ENSMUSG00000045322	TLR9	0.144365	0.282958	0.609911	0.677728
ENSMUSG00000034520	GJC1	-0.04898	0.096058	0.610159	0.677958
ENSMUSG00000025201	BLOC1S2-PS	-0.27209	0.534691	0.610847	0.678674
ENSMUSG00000031880	RRAD	0.178105	0.35004	0.610883	0.678674
ENSMUSG00000042909	OLFR648	-0.13341	0.26231	0.611045	0.678811
ENSMUSG00000052566	HOOK2	0.059644	0.11732	0.61118	0.678915
ENSMUSG00000032305	FAM219B	0.047228	0.092953	0.611396	0.679111
ENSMUSG00000095928	OLFR204	-0.14067	0.27707	0.611671	0.679373
ENSMUSG00000004880	LBR	0.071691	0.141248	0.611769	0.679437
ENSMUSG000000101878	GM8203	-0.44062	0.869541	0.612347	0.680034
ENSMUSG00000051855	MEST	-0.10249	0.202414	0.612617	0.68029
ENSMUSG00000074743	THBD	-0.16203	0.320159	0.612796	0.680443
ENSMUSG00000091952	GM17709	0.167384	0.33082	0.612879	0.680492
ENSMUSG00000030406	GIPR	0.289815	0.572959	0.612982	0.680561
ENSMUSG00000062627	MYSM1	0.095723	0.189414	0.613304	0.680874
ENSMUSG00000031586	RBPMS	-0.06864	0.135869	0.613436	0.680976
ENSMUSG00000024056	NDC80	0.412024	0.816207	0.613697	0.681221
ENSMUSG00000039607	RBMS3	-0.10348	0.205066	0.613839	0.681283
ENSMUSG00000060904	ARL1	-0.04452	0.088215	0.613807	0.681283
ENSMUSG00000066800	RNASEL	-0.07949	0.157544	0.613873	0.681283
ENSMUSG00000056832	TTC26	0.134405	0.26642	0.613919	0.681289
ENSMUSG00000060206	ZFP462	0.163789	0.324796	0.614063	0.681405
ENSMUSG00000062438	ADAM1B	0.327055	0.648935	0.614271	0.681591
ENSMUSG00000058200	OLFR66	0.168681	0.335548	0.615174	0.682548
ENSMUSG00000068246	APOL9B	0.386358	0.76878	0.615274	0.682607
ENSMUSG00000070420	ZSCAN25	-0.0546	0.108661	0.615307	0.682607
ENSMUSG00000091418	GM3164	0.213904	0.425984	0.615568	0.682852
ENSMUSG00000054051	ERCC6	0.054697	0.10913	0.616222	0.683532
ENSMUSG00000001504	IRX2	-0.30804	0.615033	0.616471	0.683764
ENSMUSG00000055137	SUGCT	0.148023	0.295621	0.61657	0.683829
ENSMUSG00000029701	RBM28	0.0487	0.097339	0.616855	0.684101
ENSMUSG00000048038	CCDC187	0.15451	0.308966	0.617013	0.684232
ENSMUSG00000041028	GHITM	-0.04906	0.098174	0.617262	0.684462
ENSMUSG00000031519	ASB5	-0.12087	0.241946	0.617369	0.684536
ENSMUSG00000034023	FANCD2	0.233037	0.466728	0.617568	0.684712
ENSMUSG00000057691	ZFP746	-0.05662	0.113485	0.617861	0.684992
ENSMUSG00000029910	MAD2L1	0.126414	0.25384	0.618479	0.685588
ENSMUSG00000091938	GM2564	0.402552	0.808274	0.618457	0.685588
ENSMUSG00000040229	GPR34	-0.25773	0.51785	0.618705	0.685794
ENSMUSG00000022800	FYTTD1	0.066671	0.134066	0.618974	0.686048
ENSMUSG00000020846	RFLNB	-0.106	0.213405	0.619401	0.686476
ENSMUSG00000002550	UCK1	0.054515	0.109807	0.619567	0.686599
ENSMUSG00000062006	RPL34	0.256743	0.517182	0.619593	0.686599
ENSMUSG00000037594	CLBA1	-0.14378	0.289679	0.619653	0.686621

ENSMUSG00000018973	HOXB1	-0.23353	0.471029	0.620047	0.686967
ENSMUSG00000038079	TMEM237	0.104214	0.210195	0.620037	0.686967
ENSMUSG00000029004	KMT2E	-0.08537	0.172312	0.62027	0.68717
ENSMUSG00000067522	OLFR76	-0.2408	0.486257	0.620456	0.687331
ENSMUSG00000031959	WDR59	-0.04891	0.098899	0.620895	0.687772
ENSMUSG00000036960	CLCA2	-0.25299	0.511593	0.620944	0.687782
ENSMUSG00000030134	RASGEF1A	0.1406	0.284624	0.621316	0.688105
ENSMUSG00000048003	CATSPER4	-0.27329	0.553166	0.621278	0.688105
ENSMUSG00000073060	ZXDA	-0.0953	0.193326	0.622037	0.688858
ENSMUSG00000037474	DTL	0.186476	0.378519	0.622263	0.689063
ENSMUSG00000047757	FANCB	-0.16547	0.336157	0.622549	0.689334
ENSMUSG00000016458	WT1	0.141135	0.286893	0.62276	0.689523
ENSMUSG00000021003	GALC	-0.06009	0.122168	0.622842	0.68957
ENSMUSG00000038046	MRM3	-0.08723	0.177855	0.623805	0.690591
ENSMUSG00000057818	1600029O15RI	-0.20262	0.413182	0.623851	0.690596
ENSMUSG00000096757	OLFR251	0.295481	0.602815	0.624015	0.690732
ENSMUSG00000067261	FOXD3	-0.21281	0.434353	0.624169	0.690858
ENSMUSG00000027276	JAG1	-0.05717	0.116771	0.624426	0.691098
ENSMUSG00000001029	ICAM2	-0.06609	0.135139	0.624796	0.691462
ENSMUSG00000029561	OASL2	-0.09763	0.199706	0.624929	0.691564
ENSMUSG00000094793	MUP12	-0.65509	1.341669	0.625363	0.691999
ENSMUSG00000042894	OLFR1260	0.20051	0.41087	0.625541	0.692151
ENSMUSG00000036826	IGFLR1	0.339051	0.694999	0.62566	0.692238
ENSMUSG00000005899	SMPD4	0.046201	0.094748	0.625818	0.692278
ENSMUSG00000028152	TSPAN5	-0.0965	0.197871	0.625781	0.692278
ENSMUSG00000061536	SEC22C	-0.09704	0.198995	0.625796	0.692278
ENSMUSG00000049657	ZBTB5	0.082797	0.169911	0.626048	0.692396
ENSMUSG00000017376	NLK	-0.05771	0.118486	0.62624	0.692563
ENSMUSG00000024695	ZFP91	0.040247	0.08267	0.62637	0.692624
ENSMUSG00000030281	IL17RC	0.08753	0.179795	0.626376	0.692624
ENSMUSG00000042901	AIDA	-0.04939	0.101481	0.626482	0.692696
ENSMUSG00000006818	SOD2	-0.06625	0.136177	0.626635	0.69282
ENSMUSG00000070527	MKRN3	-0.15348	0.315776	0.626944	0.693117
ENSMUSG00000071181	3830408C21RII	-0.18031	0.372069	0.62795	0.694145
ENSMUSG00000072980	OIP5	0.159958	0.33008	0.627957	0.694145
ENSMUSG00000002546	GOLGA2	-0.04235	0.087426	0.62806	0.694214
ENSMUSG00000037887	DUSP8	0.070391	0.145377	0.628245	0.694374
ENSMUSG00000052392	ACOT4	-0.10858	0.224377	0.628438	0.694542
ENSMUSG00000024134	SIX2	0.206952	0.427708	0.628483	0.694547
ENSMUSG00000021033	GSTZ1	0.054329	0.112378	0.628776	0.694757
ENSMUSG00000024642	TLE4	0.048355	0.100021	0.62878	0.694757
ENSMUSG00000094745	OLFR954	-0.22102	0.4572	0.628796	0.694757
ENSMUSG00000035212	LEPROT	0.049353	0.10221	0.629192	0.69515
ENSMUSG00000060601	NR1H2	-0.04502	0.093262	0.629279	0.6952
ENSMUSG00000025083	AFAP1L2	-0.10534	0.218331	0.629462	0.695357
ENSMUSG00000020329	POLRMT	0.070558	0.146261	0.629511	0.695365
ENSMUSG00000032517	MOBP	-0.2355	0.488304	0.629612	0.695387
ENSMUSG00000052040	KLF13	-0.05703	0.118255	0.62959	0.695387
ENSMUSG00000027971	NDST4	-0.16954	0.351725	0.629784	0.695532
ENSMUSG00000059602	SYN3	-0.15147	0.314308	0.629866	0.695577

ENSMUSG00000031297	SLC7A3	0.20835	0.432753	0.630196	0.695896
ENSMUSG00000026956	UAP1L1	0.116279	0.241813	0.630612	0.69631
ENSMUSG00000038982	BLOC1S5	0.04453	0.09263	0.630707	0.69637
ENSMUSG00000023033	SCN8A	0.259184	0.539455	0.630903	0.696541
ENSMUSG00000023940	SGO1	0.217394	0.453369	0.631577	0.6972
ENSMUSG00000026836	ACVR1	-0.0473	0.098653	0.631624	0.6972
ENSMUSG00000046841	CKAP4	0.040412	0.084282	0.631591	0.6972
ENSMUSG00000022504	CIITA	0.120104	0.250707	0.631895	0.697455
ENSMUSG00000020649	RRM2	-0.2675	0.558624	0.632047	0.697532
ENSMUSG00000029410	PPEF2	0.281116	0.587042	0.632032	0.697532
ENSMUSG00000021811	DNAJC9	0.046603	0.097423	0.632392	0.697838
ENSMUSG00000032068	PLET1	-0.5904	1.234263	0.632406	0.697838
ENSMUSG00000066443	GM10163	0.05952	0.124918	0.633737	0.699261
ENSMUSG00000028453	FANCG	-0.10779	0.226494	0.634127	0.6996
ENSMUSG00000042918	MAMSTR	-0.13314	0.279741	0.634117	0.6996
ENSMUSG00000029335	BMP3	0.204646	0.430276	0.634348	0.699798
ENSMUSG00000053329	D10JHU81E	0.072967	0.153514	0.634567	0.699994
ENSMUSG00000020010	VNN3	-0.21745	0.457674	0.634708	0.700059
ENSMUSG00000031732	PHLPP2	-0.05526	0.116298	0.634698	0.700059
ENSMUSG00000023009	NCKAP5L	-0.11916	0.250996	0.634962	0.700294
ENSMUSG00000078787	CYP2T4	-0.15734	0.33165	0.635203	0.700514
ENSMUSG00000026270	CAPN10	-0.07604	0.160345	0.635337	0.700616
ENSMUSG00000036698	AGO2	-0.03912	0.082522	0.635449	0.700694
ENSMUSG00000047141	ZFP654	0.045785	0.096666	0.635754	0.700967
ENSMUSG00000047819	TIGD4	0.171637	0.362403	0.635779	0.700967
ENSMUSG00000052915	MSL1	-0.05854	0.123734	0.636134	0.701271
ENSMUSG00000091345	COL6A5	-0.57133	1.207616	0.636137	0.701271
ENSMUSG00000086278	OLFR75-PS1	-0.1714	0.362403	0.636245	0.701345
ENSMUSG00000028868	WASF2	0.056905	0.120393	0.636458	0.701533
ENSMUSG00000035901	DENND5A	-0.03961	0.083891	0.636828	0.701895
ENSMUSG00000037408	CNNM4	-0.06129	0.130034	0.637398	0.702478
ENSMUSG00000028141	OAZ3	0.193577	0.410993	0.637642	0.702702
ENSMUSG00000082144	GM12788	-0.25028	0.531449	0.637691	0.70271
ENSMUSG00000091568	GM8206	0.16505	0.350646	0.637853	0.702843
ENSMUSG00000068394	CEP152	-0.07831	0.166405	0.637914	0.702865
ENSMUSG00000081179	GM13136	-0.18067	0.384017	0.638017	0.702933
ENSMUSG00000062186	OLFR395	0.235439	0.501249	0.638565	0.703491
ENSMUSG00000032425	ZFP949	0.065181	0.138798	0.638635	0.703522
ENSMUSG00000027642	RPN2	-0.04042	0.086089	0.638737	0.703563
ENSMUSG00000034758	TLE6	-0.09857	0.209969	0.638755	0.703563
ENSMUSG00000020330	HMMR	0.181952	0.388159	0.639244	0.704056
ENSMUSG00000075053	VDAC3-PS1	0.197182	0.420989	0.639514	0.704307
ENSMUSG00000040209	ZFP704	-0.06027	0.128769	0.639735	0.704505
ENSMUSG00000026577	BLZF1	-0.04327	0.09253	0.640016	0.704769
ENSMUSG00000028629	EXO5	0.09597	0.205406	0.640341	0.705082
ENSMUSG00000021867	TMEM254B	-0.2247	0.481276	0.640582	0.70521
ENSMUSG00000072676	TMEM254A	-0.2247	0.481276	0.640582	0.70521
ENSMUSG00000074968	ANO3	-0.24102	0.516115	0.640513	0.70521
ENSMUSG00000037752	XKR8	-0.16182	0.346787	0.640771	0.705372
ENSMUSG00000084897	GM14226	0.106131	0.227674	0.641107	0.705696

ENSMUSG00000043671	DPY19L3	-0.19366	0.415653	0.641271	0.705831
ENSMUSG00000030204	DDX47	0.041917	0.089987	0.64135	0.705872
ENSMUSG00000052155	ACVR2A	-0.0635	0.136424	0.64159	0.70609
ENSMUSG00000078681	TM2D3	0.053375	0.114799	0.641975	0.706468
ENSMUSG00000022432	SMC1B	-0.25796	0.555233	0.642217	0.706689
ENSMUSG00000031875	CMTM3	-0.07116	0.153247	0.64239	0.706833
ENSMUSG00000096516	OLFR628	0.284777	0.6135	0.642516	0.706926
ENSMUSG00000037977	6430571L13RIH	0.117476	0.253159	0.642618	0.706992
ENSMUSG00000046329	SLC25A23	-0.04175	0.090004	0.642727	0.707066
ENSMUSG00000007594	HAPLN4	-0.32755	0.706735	0.643032	0.707356
ENSMUSG00000031097	TNNI2	0.091228	0.197172	0.643592	0.707926
ENSMUSG00000022762	NCAM2	-0.2047	0.442775	0.643864	0.708179
ENSMUSG00000021819	ZSWIM8	-0.03825	0.082751	0.643955	0.708234
ENSMUSG00000014725	ADAM28	-0.22926	0.496625	0.644343	0.708615
ENSMUSG00000003868	RUVBL2	0.056465	0.122415	0.644616	0.708868
ENSMUSG00000067653	ANKRD23	-0.09088	0.197185	0.644867	0.709099
ENSMUSG00000044442	N6AMT1	-0.06215	0.134959	0.645166	0.709356
ENSMUSG00000085795	ZFP703	-0.07176	0.15585	0.645184	0.709356
ENSMUSG000000101865	GM9775	0.168286	0.365659	0.645355	0.709497
ENSMUSG00000028698	PIK3R3	-0.13504	0.293807	0.6458	0.709941
ENSMUSG00000028672	HMGCL	-0.03882	0.084484	0.645856	0.709957
ENSMUSG00000058297	SPOCK2	0.18065	0.39344	0.646122	0.710203
ENSMUSG00000021514	ZFP369	0.052956	0.115386	0.646275	0.710326
ENSMUSG00000020212	MDM1	-0.12631	0.275366	0.646438	0.710459
ENSMUSG00000020475	PGAM2	0.083324	0.181948	0.646983	0.711012
ENSMUSG00000041460	CACNA2D4	0.242485	0.52989	0.647229	0.711236
ENSMUSG00000040270	BACH2	0.12671	0.277883	0.648401	0.712477
ENSMUSG00000026457	ADIPOR1	0.038102	0.083743	0.649121	0.713222
ENSMUSG000000109771	GM35315	0.158456	0.348482	0.649322	0.713397
ENSMUSG00000013698	PEA15A	-0.11185	0.246358	0.649818	0.71385
ENSMUSG00000062077	TRIM54	0.091532	0.201605	0.649817	0.71385
ENSMUSG00000057265	BBOF1	-0.09949	0.219213	0.649939	0.713936
ENSMUSG00000022110	SUCLA2	0.057856	0.127541	0.650098	0.714065
ENSMUSG00000094370	GM3373	0.802779	1.771598	0.650449	0.714404
ENSMUSG00000038712	MINDY1	0.044363	0.09799	0.65074	0.714678
ENSMUSG00000038214	BEND3	-0.05144	0.113866	0.651463	0.715425
ENSMUSG00000033902	MAPKBP1	-0.07325	0.162227	0.651603	0.715532
ENSMUSG00000034329	BRIP1	-0.14182	0.314126	0.651654	0.715542
ENSMUSG00000022245	SKOR1	0.242975	0.538618	0.651911	0.715779
ENSMUSG00000054434	TMEM120B	-0.06391	0.141949	0.652566	0.716451
ENSMUSG00000049561	OLFR95	0.129609	0.288068	0.652764	0.716623
ENSMUSG00000033669	ZFP7	-0.08639	0.192116	0.652932	0.71676
ENSMUSG00000023034	NR4A1	0.147522	0.328578	0.653452	0.717284
ENSMUSG00000091549	GM6548	0.174125	0.388182	0.653745	0.71756
ENSMUSG00000046573	LYRM4	0.04718	0.10528	0.654054	0.717852
ENSMUSG00000057037	CFHR1	-0.31037	0.692964	0.654231	0.718
ENSMUSG00000082852	GM12021	-0.20977	0.469282	0.654871	0.718657
ENSMUSG00000066571	4931406P16RII	-0.05321	0.119059	0.654924	0.718668
ENSMUSG00000036022	FAM122B	0.057411	0.128591	0.655262	0.718993
ENSMUSG00000078154	GM12184	-0.0967	0.216698	0.655411	0.719109

ENSMUSG00000048498	CD300E	0.418935	0.939641	0.655709	0.71939
ENSMUSG00000031575	ASH2L	0.038055	0.085383	0.655818	0.719464
ENSMUSG00000050315	SYNPO2	-0.1446	0.324567	0.655954	0.719553
ENSMUSG00000063320	1190007I07RIK	-0.05817	0.130586	0.655984	0.719553
ENSMUSG00000036036	ZFP57	0.104277	0.234345	0.656341	0.719855
ENSMUSG00000094628	GM3252	0.179954	0.404422	0.656344	0.719855
ENSMUSG00000041774	YDJC	0.073893	0.166137	0.656483	0.71996
ENSMUSG00000044716	DOK7	0.067154	0.151152	0.656839	0.720304
ENSMUSG00000096703	OLFR1286	0.201137	0.453322	0.657263	0.720722
ENSMUSG00000021464	ROR2	-0.10151	0.228846	0.65735	0.720771
ENSMUSG00000064370	MT-CYTB	0.076277	0.17216	0.657722	0.721133
ENSMUSG00000033022	CDO1	0.241164	0.544511	0.657838	0.721167
ENSMUSG00000034285	NIPSNAP1	0.144259	0.325695	0.657818	0.721167
ENSMUSG00000078964	CES1B	0.325493	0.735153	0.657942	0.721234
ENSMUSG00000038836	AGBL3	-0.05764	0.130248	0.65809	0.721349
ENSMUSG00000039474	WFS1	0.036909	0.083414	0.658145	0.721363
ENSMUSG00000090744	GM6871	-0.50766	1.148952	0.658599	0.721815
ENSMUSG00000030494	RHPN2	0.200199	0.453299	0.658743	0.721925
ENSMUSG00000020234	4930404N11RI	0.173526	0.393098	0.658901	0.722052
ENSMUSG00000047126	CLTC	0.036916	0.08365	0.658985	0.722098
ENSMUSG00000026499	ACBD3	0.03788	0.085905	0.659248	0.72234
ENSMUSG00000024124	PRSS30	-0.1648	0.373826	0.659317	0.722369
ENSMUSG00000021492	F12	0.295072	0.670112	0.659697	0.722738
ENSMUSG00000031858	MAU2	-0.03877	0.088109	0.659903	0.722918
ENSMUSG00000001518	ITFG2	-0.06616	0.150399	0.660004	0.722981
ENSMUSG00000083246	GM11839	0.110263	0.250751	0.660133	0.723076
ENSMUSG00000024186	RGS11	-0.11238	0.255668	0.660248	0.723156
ENSMUSG00000037373	CTBP1	0.036527	0.083112	0.660303	0.723169
ENSMUSG00000021572	CEP72	-0.21744	0.494954	0.660442	0.723274
ENSMUSG00000032591	MST1	0.19367	0.44128	0.660747	0.723562
ENSMUSG00000009741	UBP1	0.037655	0.085878	0.661043	0.723839
ENSMUSG00000049806	OLFR466	-0.19376	0.44208	0.661171	0.723932
ENSMUSG00000003352	CACNB3	-0.16523	0.377118	0.66129	0.724017
ENSMUSG00000022463	SREBF2	0.038263	0.087399	0.661538	0.724241
ENSMUSG00000046806	CYREN	-0.06395	0.146153	0.661721	0.724395
ENSMUSG00000030815	PHKG2	-0.04442	0.101649	0.662145	0.724812
ENSMUSG00000063838	CDC42EP5	0.138263	0.316544	0.662265	0.724896
ENSMUSG00000047030	SPATA2	0.057992	0.133172	0.663221	0.725897
ENSMUSG00000024330	COL11A2	0.125484	0.288255	0.663329	0.725968
ENSMUSG000000110949	NUDT8	-0.07038	0.1617	0.663388	0.725985
ENSMUSG00000030945	ACSM2	0.213576	0.491616	0.663972	0.726484
ENSMUSG00000087651	1500009L16RIH	0.203115	0.467503	0.663948	0.726484
ENSMUSG00000096727	PSMB9	-0.11252	0.258938	0.663907	0.726484
ENSMUSG00000083489	GM11784	-0.31369	0.722327	0.66409	0.726566
ENSMUSG00000034748	SIRT6	-0.08175	0.188287	0.664166	0.726603
ENSMUSG00000022433	CSNK1E	-0.04115	0.094816	0.664305	0.726708
ENSMUSG00000039313	MINAR1	-0.19402	0.447225	0.664406	0.726772
ENSMUSG00000033831	FGB	0.147279	0.339574	0.664495	0.726822
ENSMUSG00000039209	RPL39L	0.183813	0.423869	0.66454	0.726824
ENSMUSG00000029009	MTHFR	-0.05476	0.126475	0.665048	0.727333

ENSMUSG00000030543	MESP2	0.235466	0.544124	0.665201	0.727454
ENSMUSG00000040875	OSBPL10	0.071232	0.164751	0.665478	0.72771
ENSMUSG00000094649	GM7102	-0.16656	0.385541	0.665725	0.727933
ENSMUSG00000026797	STXBP1	-0.04	0.092683	0.666024	0.728166
ENSMUSG00000028664	EPHB2	-0.16469	0.381548	0.665998	0.728166
ENSMUSG00000054452	AES	0.040179	0.093135	0.666173	0.728283
ENSMUSG00000032187	SMARCA4	-0.03572	0.082818	0.666256	0.728326
ENSMUSG00000019796	LRP11	0.100106	0.232157	0.666322	0.728351
ENSMUSG00000050394	ARMCX6	-0.11529	0.267641	0.666644	0.728656
ENSMUSG00000027381	BCL2L11	0.05843	0.135788	0.666973	0.728943
ENSMUSG00000032911	CSPG4	0.073074	0.169829	0.666992	0.728943
ENSMUSG00000028212	CCNE2	-0.11151	0.259384	0.667275	0.72916
ENSMUSG00000048000	GIGYF2	-0.04353	0.101258	0.667276	0.72916
ENSMUSG00000024989	CEP55	0.515147	1.198961	0.667442	0.729256
ENSMUSG00000090693	TRIM43A	-0.17198	0.400287	0.667451	0.729256
ENSMUSG00000035032	NEK11	-0.16351	0.380761	0.667615	0.729389
ENSMUSG000000100257	C4BP-PS1	0.214136	0.498997	0.667827	0.729573
ENSMUSG00000054792	KLHL18	0.082031	0.191463	0.668331	0.730077
ENSMUSG00000037221	MOSPD3	0.054722	0.127776	0.668457	0.730168
ENSMUSG00000055214	PLD5	-0.1495	0.349243	0.6686	0.730277
ENSMUSG00000024013	FGD2	0.1776	0.414994	0.668683	0.730321
ENSMUSG00000020564	ATXN7L1	0.040128	0.093788	0.668754	0.730351
ENSMUSG00000017802	RETREG3	-0.03551	0.083022	0.66886	0.73042
ENSMUSG00000089857	ZFP882	-0.12296	0.287691	0.669077	0.73061
ENSMUSG00000035020	EPGN	-0.19746	0.462355	0.669324	0.730786
ENSMUSG00000049929	LPAR4	0.087207	0.204179	0.6693	0.730786
ENSMUSG00000033478	FAM160B1	0.038322	0.089769	0.669459	0.730886
ENSMUSG00000095187	OLFR1381	0.137609	0.32246	0.669562	0.730952
ENSMUSG00000048602	MORC2B	-0.15734	0.368885	0.669716	0.731073
ENSMUSG00000044229	NXPE4	-0.48614	1.139981	0.669781	0.731097
ENSMUSG00000031004	MKI67	0.359545	0.843349	0.669867	0.731144
ENSMUSG00000095002	OLFR798	-0.22438	0.526567	0.670015	0.731259
ENSMUSG00000060572	MFAP2	-0.17519	0.411244	0.670101	0.731305
ENSMUSG00000039219	ARID4B	-0.05146	0.120817	0.670155	0.731317
ENSMUSG00000037463	FBXO27	-0.20186	0.47448	0.670528	0.731677
ENSMUSG00000015337	ENDOG	-0.10494	0.247046	0.671009	0.732155
ENSMUSG00000046490	RNF222	0.182309	0.429336	0.671106	0.732167
ENSMUSG000000108815	GM49388	-0.18785	0.442357	0.671095	0.732167
ENSMUSG00000015094	NPDC1	0.054478	0.128338	0.67121	0.732233
ENSMUSG00000040097	FLYWCH1	0.100303	0.236726	0.671779	0.732806
ENSMUSG00000058513	OLFR801	0.209517	0.494658	0.671887	0.732877
ENSMUSG00000029283	CDC7	0.19479	0.460447	0.672263	0.73324
ENSMUSG00000027080	MED19	0.057149	0.135187	0.672488	0.733439
ENSMUSG00000002578	IKZF4	-0.15463	0.366228	0.672871	0.733809
ENSMUSG00000056359	D830013O20RI	0.137715	0.327493	0.674111	0.735114
ENSMUSG00000027748	TRPC4	0.173466	0.412759	0.674295	0.735267
ENSMUSG00000026994	GALNT3	0.266797	0.635436	0.674584	0.735536
ENSMUSG00000028687	MUTYH	0.185682	0.442373	0.674674	0.73554
ENSMUSG00000032368	ZIC1	-0.21921	0.522258	0.674674	0.73554
ENSMUSG00000032482	CSPG5	0.105269	0.251138	0.675094	0.735894

ENSMUSG00000039031	ARHGAP18	-0.09696	0.231344	0.67513	0.735894
ENSMUSG00000040093	BMF	0.134548	0.320957	0.675063	0.735894
ENSMUSG00000071604	FAM189A2	0.071353	0.170364	0.675344	0.736081
ENSMUSG00000083594	GM13722	-0.13391	0.319812	0.675429	0.736126
ENSMUSG00000096904	GM3591	0.800655	1.912864	0.675535	0.736195
ENSMUSG00000056055	SAG	0.099166	0.237098	0.675765	0.736398
ENSMUSG00000000686	ABHD15	-0.11984	0.286666	0.675919	0.736486
ENSMUSG00000073008	GPR174	-0.19475	0.465898	0.675933	0.736486
ENSMUSG00000035268	PKIG	0.081362	0.194678	0.675995	0.736507
ENSMUSG00000074397	FOXR1	0.173199	0.414679	0.676189	0.736671
ENSMUSG00000043668	TOX3	0.075451	0.180962	0.67672	0.737202
ENSMUSG00000055897	PPP4R1L-PS	0.051667	0.123988	0.676888	0.737337
ENSMUSG00000048782	INSC	-0.2353	0.564769	0.676947	0.737355
ENSMUSG00000038970	LMTK2	0.039605	0.095075	0.676994	0.737358
ENSMUSG00000047719	UBIAD1	-0.041	0.098498	0.677198	0.737533
ENSMUSG00000024758	RTN3	-0.03975	0.095735	0.677976	0.738333
ENSMUSG00000020429	IGFBP1	0.250515	0.603933	0.678284	0.738622
ENSMUSG00000079481	NHSL2	-0.1129	0.272235	0.678352	0.738648
ENSMUSG00000044475	ASCC1	-0.07956	0.191936	0.678504	0.738718
ENSMUSG00000067336	BMPR2	0.034846	0.084059	0.678474	0.738718
ENSMUSG00000045275	LCA5L	-0.09043	0.218272	0.678642	0.738822
ENSMUSG00000067851	ARFGEF1	0.038905	0.094028	0.679051	0.739219
ENSMUSG00000002835	CHAF1A	0.179632	0.434358	0.679199	0.739305
ENSMUSG00000042386	TEX13B	-0.15502	0.374869	0.679217	0.739305
ENSMUSG000000100801	GM15459	0.113749	0.275331	0.679507	0.739574
ENSMUSG00000020840	BLMH	-0.04407	0.106718	0.679604	0.739632
ENSMUSG00000069376	GM5507	0.145965	0.353729	0.679866	0.73987
ENSMUSG000000108426	OLFR465-PS1	-0.24054	0.583465	0.680148	0.740129
ENSMUSG00000018509	CENPV	-0.04869	0.118248	0.680524	0.740491
ENSMUSG00000018446	C1QBP	0.074388	0.180761	0.680685	0.740618
ENSMUSG00000021911	PARG	0.042842	0.10418	0.680906	0.740811
ENSMUSG00000027077	SMTNL1	0.210416	0.512217	0.681224	0.741071
ENSMUSG00000095562	GM21887	0.226978	0.552549	0.681232	0.741071
ENSMUSG00000039427	ALG1	-0.04036	0.098844	0.683016	0.742965
ENSMUSG00000049605	OLFR418	0.212746	0.52261	0.683947	0.743929
ENSMUSG00000031028	TUB	-0.21641	0.531784	0.684051	0.743994
ENSMUSG000000110466	GM45815	0.22056	0.542285	0.684211	0.744121
ENSMUSG00000035875	AI182371	-0.15735	0.387312	0.684557	0.744445
ENSMUSG00000038623	TM6SF1	-0.0668	0.16473	0.685111	0.745004
ENSMUSG00000046207	PIK3R6	0.04906	0.12109	0.685363	0.74523
ENSMUSG00000020366	MAPK9	-0.07154	0.176609	0.685416	0.74524
ENSMUSG00000026667	UHMK1	0.033852	0.083599	0.685531	0.745318
ENSMUSG00000006423	C330007P06RII	0.038347	0.094745	0.685668	0.745404
ENSMUSG00000046493	OLFR1352	-0.16886	0.41737	0.685785	0.745404
ENSMUSG00000058251	OLFR822	0.304819	0.753333	0.685751	0.745404
ENSMUSG00000074635	3110070M22R	0.229483	0.567156	0.685756	0.745404
ENSMUSG00000044361	BC024139	0.146025	0.361163	0.685979	0.745526
ENSMUSG00000095724	GM21319	-0.17526	0.433475	0.685986	0.745526
ENSMUSG00000016344	PPDPF	-0.0449	0.111128	0.686202	0.745713
ENSMUSG00000021972	HMBBOX1	-0.03837	0.095053	0.686424	0.745906

ENSMUSG00000032119	HINFP	-0.06772	0.168251	0.687315	0.746828
ENSMUSG00000061984	OLFR392	0.187906	0.467376	0.687652	0.747145
ENSMUSG00000041341	ATG2B	0.034217	0.085141	0.687763	0.747219
ENSMUSG00000000739	SULT5A1	-0.11616	0.289206	0.687949	0.747372
ENSMUSG00000019370	CALM3	0.034868	0.086912	0.688281	0.747637
ENSMUSG00000055148	KLF2	-0.07079	0.17645	0.688275	0.747637
ENSMUSG000000104824	GM21663	0.465303	1.161479	0.688706	0.748051
ENSMUSG00000074671	TSPYL3	0.104918	0.262061	0.688894	0.748208
ENSMUSG00000075111	GM13762	0.153336	0.383615	0.689367	0.748674
ENSMUSG00000029471	CAMKK2	-0.05556	0.139109	0.68962	0.748901
ENSMUSG00000030921	TRIM30A	-0.07589	0.190695	0.690655	0.749929
ENSMUSG00000063904	DPP3	-0.05695	0.143093	0.690631	0.749929
ENSMUSG00000001175	CALM1	0.03411	0.085737	0.690748	0.749982
ENSMUSG000000111023	GM48391	-0.09591	0.241179	0.690871	0.750067
ENSMUSG00000029535	TRIAP1	-0.03696	0.092972	0.690967	0.750123
ENSMUSG00000039697	NCOA7	-0.09081	0.228815	0.691457	0.750599
ENSMUSG00000094065	GM21541	-0.90864	2.289758	0.691494	0.750599
ENSMUSG00000039754	ALKBH4	0.064035	0.161801	0.692279	0.751403
ENSMUSG000000107203	GM7542	0.209035	0.52827	0.692328	0.751409
ENSMUSG00000031150	CCDC120	-0.23263	0.588011	0.692386	0.751424
ENSMUSG00000042745	ID1	0.067438	0.170509	0.692466	0.751463
ENSMUSG00000032064	DIXDC1	0.145483	0.368139	0.692706	0.751675
ENSMUSG00000027107	CHRNA1	-0.1795	0.454345	0.692791	0.751719
ENSMUSG00000072476	GM9008	0.152167	0.385247	0.692853	0.751739
ENSMUSG00000022422	DSCC1	-0.15561	0.394323	0.693116	0.75188
ENSMUSG00000028777	GNAT3	-0.18857	0.477748	0.693059	0.75188
ENSMUSG00000092300	CDK3-PS	0.13974	0.354057	0.693078	0.75188
ENSMUSG00000005320	FGFR4	-0.21258	0.539138	0.693363	0.752051
ENSMUSG00000028982	SLC25A33	-0.05749	0.14581	0.693363	0.752051
ENSMUSG00000066839	ECSIT	-0.03907	0.099245	0.693791	0.752467
ENSMUSG00000039431	MTMR7	0.098669	0.250737	0.693938	0.752578
ENSMUSG00000047033	PCDHB15	-0.14859	0.377701	0.694013	0.752612
ENSMUSG00000035184	FAM124A	-0.08914	0.22687	0.694379	0.752961
ENSMUSG00000024097	SRSF7	0.032981	0.083952	0.694426	0.752964
ENSMUSG00000034714	TTYH2	0.075249	0.191589	0.694493	0.752988
ENSMUSG00000021366	HIVEP1	-0.07125	0.181573	0.694756	0.753225
ENSMUSG00000031274	COL4A5	-0.03531	0.090057	0.694975	0.753415
ENSMUSG00000039116	ADGRG6	0.129526	0.330629	0.695237	0.753529
ENSMUSG00000063605	CCDC102A	-0.05806	0.148217	0.695258	0.753529
ENSMUSG00000019763	RMND1	-0.19264	0.492748	0.695837	0.754057
ENSMUSG00000020057	DRAM1	0.079731	0.204003	0.695923	0.754057
ENSMUSG00000020268	LYRM7	-0.04386	0.112209	0.695902	0.754057
ENSMUSG00000081739	MDM4-PS	-0.2507	0.64137	0.695884	0.754057
ENSMUSG00000009569	MKL2	-0.03814	0.09767	0.696147	0.754252
ENSMUSG000000109695	GM31166	-0.06863	0.176309	0.697079	0.755213
ENSMUSG00000025194	ABCC2	-0.21624	0.557795	0.698254	0.756438
ENSMUSG00000050587	LRRC4C	0.205487	0.530813	0.698669	0.75684
ENSMUSG00000024155	MEIOB	0.21752	0.561995	0.69872	0.756846
ENSMUSG00000045767	B230219D22RI	0.038825	0.100395	0.698965	0.757064
ENSMUSG00000035498	CDCP1	-0.14295	0.36973	0.699037	0.757093

ENSMUSG00000022889	MRPL39	0.037578	0.097251	0.6992	0.757221
ENSMUSG00000082691	DYNLT1-PS1	0.184506	0.477724	0.699334	0.757318
ENSMUSG00000009828	ICK	0.039741	0.102978	0.699559	0.757514
ENSMUSG00000036882	ARHGAP33	-0.09202	0.238551	0.699679	0.757595
ENSMUSG00000048988	ELFN1	0.183684	0.477064	0.700216	0.758128
ENSMUSG00000050930	MAP10	0.048219	0.125265	0.700287	0.758157
ENSMUSG00000000902	SMARCB1	0.03918	0.101814	0.700369	0.758197
ENSMUSG00000035031	C8A	-0.17457	0.45384	0.700498	0.758288
ENSMUSG00000014747	ANKRD53	0.16636	0.43272	0.700643	0.758301
ENSMUSG00000031340	GABRE	0.188223	0.490158	0.700975	0.758611
ENSMUSG00000025393	ATP5B	-0.0638	0.166369	0.701359	0.758978
ENSMUSG00000070686	C87414	0.113107	0.295043	0.701454	0.759033
ENSMUSG00000000167	PIH1D2	-0.09506	0.248137	0.701656	0.759203
ENSMUSG00000019814	LTV1	-0.06012	0.15704	0.701862	0.759329
ENSMUSG00000031760	MT3	-0.14076	0.367684	0.701839	0.759329
ENSMUSG00000012396	NANOG	-0.17762	0.464243	0.702022	0.759454
ENSMUSG00000061132	BLNK	-0.09788	0.256566	0.702824	0.760273
ENSMUSG00000025176	HOGA1	-0.11538	0.303028	0.703372	0.760818
ENSMUSG00000020719	DDX5	-0.03404	0.089489	0.703679	0.761101
ENSMUSG00000079659	TMEM243	-0.0444	0.116786	0.703806	0.76119
ENSMUSG00000034327	KCTD9	-0.03196	0.084251	0.704401	0.761785
ENSMUSG00000020905	USP43	0.073071	0.192642	0.704458	0.761798
ENSMUSG00000020832	ERAL1	0.033595	0.08859	0.704525	0.761822
ENSMUSG00000031090	NADSYN1	-0.06212	0.164092	0.705011	0.762289
ENSMUSG00000081221	GM14760	0.106811	0.282182	0.705047	0.762289
ENSMUSG00000009733	TFCP2	0.041697	0.110196	0.70514	0.762341
ENSMUSG00000055976	CLDN23	-0.19022	0.503069	0.705338	0.762507
ENSMUSG00000007122	CASQ1	-0.16768	0.444261	0.705853	0.763015
ENSMUSG00000014873	SURF2	-0.03851	0.102085	0.706018	0.763145
ENSMUSG00000095762	GM16378	-0.20418	0.543607	0.707218	0.764393
ENSMUSG00000050612	TXNDC2	0.22921	0.611005	0.70756	0.764714
ENSMUSG00000032012	NECTIN1	-0.07293	0.194684	0.707957	0.765095
ENSMUSG00000068134	ZFP120	-0.05851	0.156564	0.708627	0.76577
ENSMUSG00000028226	MMP16	0.135857	0.363772	0.7088	0.765909
ENSMUSG00000051504	SIGLECH	0.106933	0.286877	0.709335	0.766425
ENSMUSG00000063188	OLFR107	-0.1919	0.514895	0.709369	0.766425
ENSMUSG00000026837	COL5A1	-0.16953	0.455238	0.7096	0.7666
ENSMUSG00000067879	VXN	0.195786	0.525789	0.709621	0.7666
ENSMUSG00000031012	CASK	0.104506	0.280845	0.709809	0.76671
ENSMUSG00000037857	NUFIP2	0.058922	0.158346	0.709813	0.76671
ENSMUSG00000020705	DDX42	0.032179	0.086547	0.710033	0.766899
ENSMUSG00000001918	SLC1A5	0.079554	0.214211	0.710354	0.767197
ENSMUSG00000023908	PKMYT1	-0.14088	0.379406	0.710401	0.767199
ENSMUSG00000027303	PTPRA	-0.0688	0.185493	0.710709	0.767437
ENSMUSG00000057913	GM10032	0.118067	0.318327	0.710712	0.767437
ENSMUSG00000006134	CRKL	-0.05775	0.156016	0.711287	0.768009
ENSMUSG00000005686	AMPD3	-0.10935	0.295578	0.711413	0.76806
ENSMUSG00000018470	KCNAB3	-0.1152	0.311389	0.711425	0.76806
ENSMUSG00000066178	6030445D17RI	-0.14082	0.380804	0.711533	0.768128
ENSMUSG00000059554	CCDC28A	0.043785	0.118462	0.711673	0.76823

ENSMUSG00000032727	MIER3	-0.03841	0.104123	0.712217	0.768671
ENSMUSG00000071722	SPIN4	0.084383	0.228752	0.712215	0.768671
ENSMUSG00000080981	GM12161	0.264619	0.717332	0.712207	0.768671
ENSMUSG00000031375	BGN	-0.1046	0.283792	0.712434	0.768856
ENSMUSG00000026289	ATG16L1	0.030924	0.084029	0.712861	0.769268
ENSMUSG00000038884	A230050P20RII	0.05171	0.140643	0.71312	0.769498
ENSMUSG00000081219	BAMBI-PS1	-0.0846	0.230546	0.713658	0.77003
ENSMUSG00000046999	1110032F04RII	-0.21713	0.5923	0.71393	0.770275
ENSMUSG00000019971	CEP290	-0.04401	0.120093	0.714002	0.770287
ENSMUSG00000032815	FANCA	-0.07169	0.195627	0.714032	0.770287
ENSMUSG00000024991	EIF3A	-0.03089	0.084379	0.714326	0.770506
ENSMUSG00000026009	ICOS	0.135781	0.370883	0.714289	0.770506
ENSMUSG00000027070	LRP2	0.154371	0.421908	0.714449	0.770575
ENSMUSG00000063646	JAKMIP1	0.133537	0.36501	0.714481	0.770575
ENSMUSG00000075419	DOLK	-0.03256	0.08908	0.714761	0.770828
ENSMUSG00000019831	WASF1	-0.1262	0.345572	0.714959	0.770993
ENSMUSG00000033565	RBFOX2	-0.03025	0.082873	0.715122	0.77112
ENSMUSG00000001576	ERGIC1	-0.03446	0.094497	0.715393	0.771363
ENSMUSG00000022548	APOD	-0.06841	0.187886	0.715785	0.771737
ENSMUSG00000083411	RPL30-PS10	-0.57787	1.589207	0.716139	0.77207
ENSMUSG00000038524	FCHSD1	-0.10505	0.288954	0.716204	0.772091
ENSMUSG00000030738	EIF3C	-0.03024	0.083246	0.716412	0.772266
ENSMUSG00000001225	SLC26A3	0.11132	0.306684	0.716619	0.77236
ENSMUSG00000043342	HOXD9	0.434136	1.196103	0.716636	0.77236
ENSMUSG00000069793	SLFN9	0.0586	0.16141	0.716567	0.77236
ENSMUSG00000074213	GM10642	-0.17151	0.472771	0.716772	0.772458
ENSMUSG00000037669	LDAH	-0.03065	0.084598	0.71713	0.772795
ENSMUSG00000052056	ZFP217	-0.07007	0.193667	0.717506	0.773101
ENSMUSG00000054150	SYNE3	0.071532	0.197688	0.717469	0.773101
ENSMUSG00000000942	HOXA4	-0.28667	0.79362	0.717938	0.773518
ENSMUSG00000030849	FGFR2	-0.16242	0.449782	0.718024	0.77353
ENSMUSG00000099389	GM29603	-0.12282	0.34015	0.718041	0.77353
ENSMUSG00000030750	NSMCE1	-0.0558	0.154568	0.718109	0.773554
ENSMUSG00000039781	CEP131	-0.05656	0.15674	0.718218	0.773623
ENSMUSG00000020785	CAMKK1	-0.11105	0.308056	0.718486	0.773813
ENSMUSG00000040367	LRRD1	0.179011	0.496511	0.718445	0.773813
ENSMUSG00000051768	XRCC1	-0.05134	0.142449	0.71855	0.773834
ENSMUSG00000025867	CPLX2	-0.10217	0.284312	0.719328	0.774594
ENSMUSG00000061815	RUFY4	-0.06261	0.174242	0.719347	0.774594
ENSMUSG00000034127	TSPAN8	0.190713	0.530986	0.71947	0.774609
ENSMUSG00000040264	GBP2B	-0.16057	0.446963	0.719412	0.774609
ENSMUSG00000053141	PTPRT	0.273892	0.762785	0.719544	0.774609
ENSMUSG00000053861	GM9925	-0.2034	0.566421	0.71952	0.774609
ENSMUSG00000047824	PYGO2	-0.04779	0.133172	0.71971	0.774739
ENSMUSG00000049583	GRM5	0.193909	0.540769	0.71991	0.774894
ENSMUSG00000052833	SAE1	0.037197	0.103748	0.719945	0.774894
ENSMUSG00000027459	FAM110A	-0.0574	0.160144	0.720035	0.774941
ENSMUSG00000024757	SLC22A19	-0.19218	0.537836	0.720854	0.775724
ENSMUSG00000025324	ATP10A	0.075858	0.212264	0.720809	0.775724
ENSMUSG00000074947	OLFR1312	0.214115	0.600106	0.721245	0.776049

ENSMUSG00000081309	GM12397	0.30038	0.841889	0.721247	0.776049
ENSMUSG00000025347	METTL7B	-0.54548	1.531748	0.721752	0.776543
ENSMUSG00000067225	CYP2C54	-0.5403	1.520132	0.722269	0.777051
ENSMUSG00000031386	HCFC1	-0.03128	0.088088	0.722529	0.777281
ENSMUSG00000048899	RIMKLA	0.113923	0.321048	0.722703	0.777419
ENSMUSG00000036615	RFXAP	-0.04199	0.11837	0.72281	0.777442
ENSMUSG00000045009	PRRT3	0.153472	0.43276	0.722862	0.777442
ENSMUSG000000109369	VMN2R-PS88	0.172528	0.486443	0.722835	0.777442
ENSMUSG00000054204	ALKAL2	-0.13917	0.392597	0.722975	0.777514
ENSMUSG00000014418	HPS5	-0.05451	0.153823	0.723046	0.777541
ENSMUSG00000020802	UBE2O	0.030406	0.085899	0.723358	0.777773
ENSMUSG00000083907	PLK-PS1	0.104551	0.295368	0.723363	0.777773
ENSMUSG00000099055	ZFP-PS	0.214307	0.605525	0.723399	0.777773
ENSMUSG00000083084	GM14667	0.155025	0.438532	0.723708	0.778056
ENSMUSG00000044820	AY074887	0.128743	0.364249	0.723754	0.778056
ENSMUSG000000110105	GM45844	-0.09376	0.265411	0.723878	0.77814
ENSMUSG00000021244	YLPM1	-0.03152	0.089271	0.723985	0.778206
ENSMUSG00000027508	PAG1	0.061331	0.173815	0.724199	0.778387
ENSMUSG00000047155	CYP4X1	0.156759	0.444344	0.724248	0.77839
ENSMUSG00000043439	EPOP	0.074701	0.211885	0.724421	0.778527
ENSMUSG00000036855	GJD4	0.17332	0.492456	0.724875	0.778966
ENSMUSG00000028926	CDK14	0.052031	0.14791	0.725009	0.77906
ENSMUSG00000057367	BIRC2	-0.03452	0.098149	0.725084	0.779091
ENSMUSG00000000049	APOH	-0.2502	0.711845	0.725225	0.779158
ENSMUSG00000061186	SFMBT2	-0.16545	0.470739	0.725237	0.779158
ENSMUSG00000059762	OLFR767	0.103753	0.295263	0.725293	0.779168
ENSMUSG00000083201	GM12080	-0.16849	0.479695	0.725404	0.779238
ENSMUSG00000033964	ZBTB41	-0.04151	0.11829	0.725624	0.779425
ENSMUSG00000022559	FBXL6	0.033322	0.095084	0.726002	0.779782
ENSMUSG00000022673	MCM4	0.064143	0.183541	0.726732	0.780517
ENSMUSG00000024935	SLC1A1	-0.18748	0.536917	0.726955	0.780675
ENSMUSG00000011456	OLFR1245	-0.22097	0.632855	0.726972	0.780675
ENSMUSG00000059586	NSMCE2	0.033217	0.095301	0.727428	0.781116
ENSMUSG00000022555	DGAT1	0.038334	0.110461	0.728565	0.782188
ENSMUSG00000032478	NME6	0.047294	0.136246	0.728498	0.782188
ENSMUSG00000034501	PCNX4	0.072793	0.209744	0.728548	0.782188
ENSMUSG00000022773	YPEL1	-0.13915	0.401102	0.728652	0.782232
ENSMUSG00000003226	RANBP2	-0.02859	0.082536	0.729063	0.782624
ENSMUSG00000038793	LEFTY1	-0.10663	0.308621	0.729712	0.783271
ENSMUSG00000017146	BRCA1	0.149964	0.434763	0.730145	0.783687
ENSMUSG00000035298	KLHL35	-0.14988	0.435273	0.730593	0.784118
ENSMUSG00000001403	UBE2C	0.134423	0.391994	0.731659	0.785162
ENSMUSG00000056508	1700001K19RII	-0.13199	0.384856	0.731619	0.785162
ENSMUSG00000054509	PARP4	-0.03175	0.092782	0.732168	0.785659
ENSMUSG00000072898	GM10434	0.160877	0.470257	0.732272	0.785721
ENSMUSG00000026519	TMEM63A	0.044428	0.130041	0.732618	0.786043
ENSMUSG00000011884	GLTP	0.042031	0.123207	0.732997	0.786399
ENSMUSG00000038312	EDEM2	-0.04557	0.133621	0.733073	0.786432
ENSMUSG00000085276	GM15812	0.17444	0.512082	0.733368	0.786698
ENSMUSG00000026368	F13B	-0.26941	0.791486	0.733562	0.786818

ENSMUSG00000079592	C1QTNF5	0.102325	0.300621	0.733572	0.786818
ENSMUSG00000089945	PAKAP	-0.07168	0.210995	0.734048	0.787275
ENSMUSG00000019969	PSEN1	0.028859	0.085068	0.734426	0.787435
ENSMUSG00000059741	MYL3	-0.04073	0.120045	0.734414	0.787435
ENSMUSG00000091531	OLFR102	-0.16433	0.484405	0.734423	0.787435
ENSMUSG00000037761	ACTR5	-0.04314	0.127301	0.734698	0.787676
ENSMUSG00000022200	GOLPH3	0.027956	0.082534	0.734822	0.78776
ENSMUSG00000015994	FNTA	-0.04994	0.147486	0.734919	0.787814
ENSMUSG00000032783	TROAP	-0.52006	1.536455	0.735002	0.787853
ENSMUSG00000032264	ZW10	0.032971	0.097862	0.736185	0.788972
ENSMUSG00000032403	2300009A05RI	0.042604	0.126443	0.736157	0.788972
ENSMUSG00000067424	ZFP563	0.067425	0.200104	0.736153	0.788972
ENSMUSG00000086076	NCR3-PS	-0.28728	0.854968	0.736863	0.789648
ENSMUSG00000063549	OLFR322	-0.15963	0.476103	0.737415	0.790191
ENSMUSG00000043067	DPY19L1	0.058181	0.173728	0.7377	0.790446
ENSMUSG00000054008	NDST1	0.040421	0.121091	0.738526	0.791281
ENSMUSG00000057541	PUS7	-0.04005	0.12001	0.738611	0.791323
ENSMUSG000000106715	TMEM265	-0.089	0.266905	0.738782	0.791456
ENSMUSG00000031445	PROZ	-0.12251	0.367694	0.739001	0.79155
ENSMUSG00000036523	GREB1	-0.18974	0.569312	0.738927	0.79155
ENSMUSG00000047040	PRR15L	-0.20209	0.606574	0.73901	0.79155
ENSMUSG00000027469	TPX2	0.288465	0.868687	0.739836	0.792363
ENSMUSG00000038633	DEGS1	0.02802	0.084388	0.739862	0.792363
ENSMUSG00000001670	TAT	-0.25795	0.778047	0.740237	0.792714
ENSMUSG00000027379	BUB1	0.282107	0.851762	0.74049	0.792936
ENSMUSG00000023911	FLYWCH2	-0.10033	0.30333	0.740831	0.79325
ENSMUSG00000095448	OLFR859	-0.10601	0.320728	0.740998	0.793379
ENSMUSG00000009731	KCND1	0.094745	0.28683	0.74116	0.793452
ENSMUSG00000037995	IGSF9	0.100715	0.304861	0.741125	0.793452
ENSMUSG00000068950	OLFR338	0.117079	0.354556	0.74124	0.793488
ENSMUSG00000026272	AGXT	-0.23826	0.722256	0.741492	0.793708
ENSMUSG00000032579	HEMK1	-0.03732	0.11329	0.741826	0.794015
ENSMUSG00000023935	SPATS1	0.134112	0.407422	0.742025	0.794178
ENSMUSG00000023966	RSPH9	-0.10531	0.32009	0.742165	0.794278
ENSMUSG00000039633	LONRF1	-0.03791	0.115303	0.742338	0.794413
ENSMUSG00000089991	GM16332	0.123682	0.376534	0.742552	0.794592
ENSMUSG00000054414	SLC30A7	-0.08955	0.273992	0.743783	0.795859
ENSMUSG00000005763	CD247	-0.07765	0.237689	0.743912	0.795947
ENSMUSG00000031511	ARHGEF7	-0.02706	0.083026	0.744453	0.796436
ENSMUSG00000071711	MPST	0.088533	0.271616	0.744463	0.796436
ENSMUSG00000070306	CCDC153	0.154975	0.475911	0.744698	0.796637
ENSMUSG00000001517	FOXMI	0.191909	0.589581	0.744802	0.796649
ENSMUSG00000089809	RASGEF1B	0.125964	0.386934	0.74477	0.796649
ENSMUSG00000053178	MTERF1B	-0.07227	0.22213	0.744926	0.79673
ENSMUSG00000029134	PLB1	0.127334	0.39265	0.745716	0.797525
ENSMUSG00000032384	CSNK1G1	0.044523	0.137442	0.745983	0.797761
ENSMUSG00000022434	FAM118A	0.0368	0.113639	0.746062	0.797795
ENSMUSG00000023829	SLC22A1	0.138095	0.426927	0.746344	0.798046
ENSMUSG00000094622	GM3055	-0.57909	1.794034	0.746855	0.798542
ENSMUSG000000110123	GM18562	-0.12445	0.385746	0.746988	0.798634

ENSMUSG00000031290	LRCH2	-0.07552	0.234129	0.74704	0.798639
ENSMUSG00000026621	Mar-01	-0.21781	0.675665	0.747174	0.798732
ENSMUSG00000021322	AOAH	-0.07355	0.228254	0.747276	0.798791
ENSMUSG00000047867	GIMAP6	-0.04258	0.132267	0.747494	0.798974
ENSMUSG00000071113	MBOAT4	-0.15488	0.481374	0.747638	0.798977
ENSMUSG00000073418	C4B	0.068946	0.214231	0.747582	0.798977
ENSMUSG00000097271	GM9903	-0.06085	0.189113	0.747636	0.798977
ENSMUSG00000027236	EIF3J1	0.082172	0.25572	0.747955	0.799224
ENSMUSG00000044519	ZFP488	-0.06842	0.21292	0.747963	0.799224
ENSMUSG00000001436	SLC19A1	-0.05795	0.180579	0.748277	0.799463
ENSMUSG00000024727	TRPM6	-0.19248	0.599819	0.748285	0.799463
ENSMUSG00000025486	SIRT3	-0.05757	0.179432	0.748328	0.799463
ENSMUSG00000019756	PRL8A1	0.034999	0.109131	0.748437	0.799529
ENSMUSG00000050251	OLFR809	-0.13176	0.411328	0.748728	0.799776
ENSMUSG00000089960	UGT1A1	0.282023	0.880573	0.748762	0.799776
ENSMUSG00000027239	MDK	0.078437	0.244958	0.748811	0.799778
ENSMUSG00000030905	CRYM	0.210736	0.658749	0.749042	0.799974
ENSMUSG00000021368	TBC1D7	-0.03372	0.10563	0.749575	0.800457
ENSMUSG00000042097	ZFP239	0.228586	0.716161	0.749588	0.800457
ENSMUSG00000056947	MAB21L1	-0.19559	0.613537	0.749888	0.800727
ENSMUSG00000061232	H2-K1	0.076222	0.239153	0.749943	0.800734
ENSMUSG00000036395	GLB1L2	-0.13097	0.411115	0.750049	0.800797
ENSMUSG00000001506	COL1A1	0.1608	0.504955	0.750147	0.800852
ENSMUSG00000087370	TMEM170B	0.028532	0.089644	0.750276	0.800939
ENSMUSG00000064090	VRK2	0.046164	0.145192	0.750523	0.801152
ENSMUSG00000021720	RNF180	0.091317	0.28733	0.750627	0.801199
ENSMUSG00000032719	SBSPON	0.143506	0.451608	0.750661	0.801199
ENSMUSG00000028641	P3H1	-0.06446	0.202913	0.75074	0.801233
ENSMUSG00000000976	HEATR6	-0.05326	0.167764	0.7509	0.801353
ENSMUSG00000063458	LRMDA	0.104815	0.330583	0.751197	0.80162
ENSMUSG00000040003	MAGI2	-0.04554	0.143783	0.751467	0.801849
ENSMUSG00000045350	FAM186A	0.16164	0.510462	0.751506	0.801849
ENSMUSG00000022185	ACIN1	-0.02728	0.086299	0.751883	0.8022
ENSMUSG00000066438	PLEKHD1	-0.16792	0.531941	0.752245	0.802537
ENSMUSG00000044934	ZFP367	-0.03825	0.121207	0.752293	0.802537
ENSMUSG00000046157	TMEM229B	-0.057	0.18105	0.752873	0.803105
ENSMUSG00000078772	GM12353	-0.18969	0.603223	0.753173	0.803375
ENSMUSG00000033788	DYSF	0.065559	0.208878	0.753627	0.803779
ENSMUSG00000070501	IFI214	-0.1385	0.441321	0.753646	0.803779
ENSMUSG00000061887	SSBP3	-0.0323	0.102962	0.753729	0.803817
ENSMUSG00000079391	GM2974	-0.38959	1.242777	0.753915	0.803965
ENSMUSG00000046449	NEXMIF	-0.12662	0.404134	0.754045	0.804053
ENSMUSG00000029712	ACTL6B	-0.16311	0.520739	0.754106	0.804068
ENSMUSG00000039904	GPR37	-0.0775	0.247813	0.754495	0.804431
ENSMUSG00000060371	CALN1	0.131051	0.419812	0.754914	0.804827
ENSMUSG00000058084	OLFR825	0.14025	0.449985	0.755286	0.805174
ENSMUSG00000024067	DPY30	0.029099	0.093437	0.755475	0.805325
ENSMUSG00000023980	TAF8	-0.03091	0.099373	0.755736	0.805552
ENSMUSG00000038253	HOXA5	-0.22522	0.724373	0.75586	0.805633
ENSMUSG00000054951	9130008F23RII	0.093051	0.29941	0.755967	0.805698

ENSMUSG00000071636	RIMBP3	-0.14195	0.45757	0.75639	0.806097
ENSMUSG00000039887	ALG14	0.043044	0.138939	0.756706	0.806333
ENSMUSG00000046338	GPAT2	0.142442	0.459709	0.756673	0.806333
ENSMUSG00000032491	NRADD	0.071418	0.230642	0.756827	0.806411
ENSMUSG00000000489	PDGFB	-0.03469	0.112145	0.757056	0.806554
ENSMUSG00000097129	4930507D05RI	-0.12205	0.39453	0.757042	0.806554
ENSMUSG00000037994	SLC9B2	-0.11541	0.373867	0.757551	0.807031
ENSMUSG00000022871	FETUB	-0.11039	0.358568	0.758182	0.807652
ENSMUSG00000059363	FXN	0.037471	0.121791	0.758338	0.807767
ENSMUSG00000029313	AFF1	-0.06844	0.222549	0.758438	0.807824
ENSMUSG00000029657	HSPH1	0.13554	0.440926	0.75854	0.807882
ENSMUSG00000006538	IHH	-0.15657	0.510177	0.758923	0.808239
ENSMUSG00000066269	OLFR575	0.14216	0.464948	0.759791	0.809113
ENSMUSG00000028309	RNF20	0.027767	0.091129	0.760594	0.809866
ENSMUSG00000085924	GM8980	-0.19043	0.624961	0.760593	0.809866
ENSMUSG00000005364	IL5RA	0.166072	0.545665	0.760863	0.810102
ENSMUSG00000041431	CCNB1	0.324838	1.068477	0.761113	0.810317
ENSMUSG00000016262	SERTAD4	-0.08571	0.282113	0.761279	0.810443
ENSMUSG00000072708	OLFR381	0.12194	0.402067	0.761675	0.810813
ENSMUSG00000078622	CCDC47	0.025436	0.083992	0.762011	0.81112
ENSMUSG00000024338	PSMB8	0.059958	0.198106	0.762153	0.811221
ENSMUSG00000079588	TMEM182	0.025573	0.084538	0.762266	0.811291
ENSMUSG00000034761	MAP4K5	-0.03541	0.11712	0.762413	0.811396
ENSMUSG00000055567	UNC80	-0.16363	0.5415	0.762518	0.811457
ENSMUSG00000073434	WDR90	-0.08853	0.293591	0.763006	0.811926
ENSMUSG00000034401	SPATA6	0.044341	0.147186	0.763218	0.811998
ENSMUSG00000048332	LHFP	-0.04769	0.15828	0.763161	0.811998
ENSMUSG00000084858	GM1980	0.378404	1.255861	0.763178	0.811998
ENSMUSG00000028713	CYP4B1	-0.07508	0.249571	0.76355	0.8123
ENSMUSG00000041566	TSSK1	0.070372	0.234203	0.763815	0.812532
ENSMUSG00000018459	SLC13A3	-0.10748	0.358239	0.764163	0.81278
ENSMUSG00000024018	CCDC167	0.039955	0.133157	0.764131	0.81278
ENSMUSG00000027104	ATF2	-0.03294	0.109799	0.764192	0.81278
ENSMUSG00000063576	KLHDC3	-0.02569	0.085676	0.764316	0.81286
ENSMUSG00000038560	SP6	0.106054	0.353885	0.764417	0.812917
ENSMUSG00000083282	CTSF	-0.05247	0.175308	0.764703	0.81317
ENSMUSG00000050010	SHISA3	0.087647	0.293032	0.76486	0.813286
ENSMUSG00000030035	WBP1	0.040098	0.134126	0.764971	0.813353
ENSMUSG00000048485	ZBTB8B	-0.12365	0.413963	0.765177	0.813522
ENSMUSG00000031245	HMG5	-0.02627	0.088145	0.765666	0.813991
ENSMUSG00000039349	C130074G19RI	0.070024	0.235243	0.765959	0.814251
ENSMUSG00000003546	KLC4	-0.02513	0.084478	0.766106	0.814356
ENSMUSG00000035382	PCSK7	-0.04106	0.138085	0.766197	0.814364
ENSMUSG00000042254	CILP	0.210711	0.708661	0.766209	0.814364
ENSMUSG00000007827	ANKRD26	0.072756	0.244994	0.766491	0.814612
ENSMUSG00000071350	SETDB2	-0.04378	0.147492	0.76659	0.814667
ENSMUSG00000040433	ZBTB38	0.068062	0.229527	0.766825	0.814865
ENSMUSG00000024493	LARS	-0.02444	0.082627	0.767366	0.815389
ENSMUSG00000075485	GM10842	0.125132	0.423241	0.767497	0.815477
ENSMUSG00000079890	GM12106	0.093284	0.315696	0.767621	0.815558

ENSMUSG00000062075	LMNB2	0.037474	0.127044	0.76802	0.815931
ENSMUSG00000018012	RAC3	-0.11739	0.399641	0.768954	0.816873
ENSMUSG00000004633	CHN2	-0.07997	0.272869	0.769472	0.817371
ENSMUSG00000044906	4930503L19RIH	0.063137	0.215633	0.769677	0.817538
ENSMUSG00000020515	CNOT8	-0.02656	0.090869	0.770098	0.817934
ENSMUSG00000039804	NCOA5	0.031388	0.107677	0.770671	0.818491
ENSMUSG00000055114	ANXA13	-0.07282	0.249897	0.770756	0.818531
ENSMUSG00000001829	CLPB	-0.02934	0.100909	0.771202	0.818953
ENSMUSG00000038914	DIDO1	-0.03413	0.117397	0.771268	0.818971
ENSMUSG00000063568	JAZF1	0.044321	0.152655	0.771558	0.819229
ENSMUSG00000028060	KHDC4	0.047634	0.164219	0.771768	0.8194
ENSMUSG00000058567	GM2531	0.142033	0.489977	0.771911	0.819501
ENSMUSG00000020260	POFUT2	0.037339	0.129131	0.772462	0.820034
ENSMUSG00000003929	ZFP81	-0.03557	0.123108	0.772628	0.820152
ENSMUSG00000028496	MLLT3	0.042833	0.14827	0.772669	0.820152
ENSMUSG00000018486	WNT9B	-0.11992	0.415709	0.77298	0.82043
ENSMUSG00000043274	OLFR1123	-0.15547	0.539525	0.773226	0.820641
ENSMUSG00000017291	TAOK1	0.023716	0.082501	0.773757	0.821153
ENSMUSG00000034101	CTNND1	0.052501	0.182808	0.773967	0.821325
ENSMUSG00000000266	MID2	-0.04211	0.146922	0.774402	0.821683
ENSMUSG00000031684	SLC10A7	-0.14218	0.496045	0.7744	0.821683
ENSMUSG00000021771	VDAC2	-0.02436	0.085212	0.774987	0.822201
ENSMUSG00000025078	NHLRC2	0.035618	0.124589	0.774968	0.822201
ENSMUSG00000027078	UBE2L6	-0.03781	0.132471	0.775308	0.82249
ENSMUSG00000043243	FAM129C	-0.07147	0.250518	0.775423	0.822561
ENSMUSG00000028830	AU040320	0.031511	0.110512	0.775539	0.822633
ENSMUSG00000021136	SMOC1	0.100712	0.353474	0.775705	0.822757
ENSMUSG00000060503	OLFR715	0.141104	0.495533	0.775834	0.822843
ENSMUSG00000032320	RCN2	0.023959	0.084174	0.775918	0.82288
ENSMUSG00000064125	PRR36	-0.12372	0.436974	0.777071	0.824051
ENSMUSG00000044757	GM6430	0.18449	0.652476	0.777366	0.824312
ENSMUSG00000033589	REEP4	-0.05666	0.200651	0.777667	0.82451
ENSMUSG00000036139	HOXC9	-0.1513	0.535899	0.777697	0.82451
ENSMUSG00000089669	TNFSF13	0.065353	0.231415	0.777631	0.82451
ENSMUSG00000058183	MMEL1	0.135198	0.479346	0.777908	0.824681
ENSMUSG00000030145	ZFP248	0.065225	0.231615	0.778242	0.824956
ENSMUSG000000110234	GM45799	-0.19329	0.686452	0.778264	0.824956
ENSMUSG00000040836	GPR161	-0.0523	0.185941	0.778487	0.825141
ENSMUSG000000051401	KCTD16	-0.13243	0.470917	0.778539	0.825144
ENSMUSG00000064345	MT-ND2	-0.04306	0.153384	0.778896	0.825471
ENSMUSG00000095041	AC149090.1	-0.06463	0.230579	0.779267	0.825813
ENSMUSG00000074449	GM15319	-0.43399	1.550035	0.779488	0.825995
ENSMUSG00000032311	NRG4	0.097539	0.349467	0.780163	0.826659
ENSMUSG00000029149	KRTCAP3	-0.05217	0.187251	0.780563	0.827032
ENSMUSG00000011267	ZFP296	0.119302	0.42877	0.780827	0.827259
ENSMUSG00000042215	BAG2	0.074058	0.266394	0.78101	0.82735
ENSMUSG000000110686	GM45855	-0.1244	0.447409	0.780977	0.82735
ENSMUSG00000093687	GM20637	0.129084	0.464799	0.781226	0.827528
ENSMUSG00000030629	ZFAND6	0.023527	0.08475	0.781311	0.827566
ENSMUSG00000020178	ADORA2A	-0.05457	0.196731	0.781503	0.827717

ENSMUSG00000011658	FUZ	0.044262	0.15976	0.781738	0.827915
ENSMUSG00000032261	SH3BGRL2	0.046537	0.16818	0.782001	0.828142
ENSMUSG00000024170	TELO2	-0.071	0.256698	0.782088	0.828182
ENSMUSG00000038695	JOSD2	0.043317	0.156792	0.782341	0.828398
ENSMUSG00000040605	BACE2	0.046995	0.17033	0.782622	0.82862
ENSMUSG00000041040	FAM117B	0.068121	0.24693	0.782648	0.82862
ENSMUSG00000083672	KPNA2-PS	0.158507	0.575978	0.783165	0.829116
ENSMUSG00000002320	TM9SF1	0.02384	0.086888	0.783795	0.829731
ENSMUSG00000006527	SFMBT1	-0.03064	0.111752	0.783956	0.82985
ENSMUSG00000034333	ZBED4	-0.04441	0.162023	0.784011	0.829856
ENSMUSG00000028330	NCBP1	-0.03152	0.115149	0.784257	0.830065
ENSMUSG00000037349	NUDT22	0.026132	0.095757	0.78493	0.830725
ENSMUSG00000037962	RFLNA	-0.12402	0.454927	0.785143	0.830899
ENSMUSG00000030654	ARL6IP1	-0.03538	0.129883	0.785317	0.831031
ENSMUSG00000052031	TAGAP1	-0.0805	0.295886	0.78558	0.831224
ENSMUSG00000055026	GABRG3	0.153674	0.564909	0.785597	0.831224
ENSMUSG00000019179	MDH2	0.042234	0.155325	0.785695	0.831276
ENSMUSG00000042303	SGSM3	0.040477	0.148929	0.785784	0.831318
ENSMUSG00000056116	H2-T22	0.046387	0.170776	0.785911	0.831401
ENSMUSG00000029086	PROM1	-0.12097	0.446346	0.786368	0.831832
ENSMUSG00000038838	VAR52	-0.03821	0.141057	0.786504	0.831924
ENSMUSG00000049396	GEMIN4	-0.06786	0.250725	0.786671	0.832049
ENSMUSG000000107108	GM9936	-0.14923	0.551619	0.786751	0.832082
ENSMUSG00000020248	NFYB	-0.03766	0.139481	0.787166	0.832469
ENSMUSG00000029778	ADCYAP1R1	0.090553	0.335614	0.787305	0.832564
ENSMUSG00000001521	TULP3	-0.03406	0.126639	0.787941	0.833185
ENSMUSG00000031949	ADAT1	-0.03829	0.142667	0.788401	0.833619
ENSMUSG00000069307	HIST1H2BQ	0.360818	1.346063	0.788658	0.833839
ENSMUSG00000030257	SRGAP3	0.080151	0.299227	0.788808	0.833946
ENSMUSG00000027525	PHACTR3	0.155277	0.580183	0.78898	0.834024
ENSMUSG000000108547	GM45186	-0.13618	0.508753	0.788945	0.834024
ENSMUSG00000022360	ATAD2	0.113983	0.426006	0.789037	0.834032
ENSMUSG00000056459	ZBTB25	-0.03698	0.138287	0.789157	0.834107
ENSMUSG00000040298	BTBD16	0.137846	0.515976	0.789349	0.834259
ENSMUSG00000033107	RNF125	-0.07449	0.279679	0.78999	0.834842
ENSMUSG00000053166	CDH22	-0.25131	0.943673	0.79	0.834842
ENSMUSG00000021590	SPATA9	0.095891	0.360441	0.79021	0.835012
ENSMUSG00000004565	PNPLA6	-0.0382	0.143685	0.790368	0.835127
ENSMUSG00000035781	R3HDM4	-0.03386	0.127398	0.790427	0.835138
ENSMUSG00000031789	CNGB1	0.08024	0.3022	0.79061	0.835279
ENSMUSG00000006307	KMT2B	-0.03297	0.124248	0.790731	0.835354
ENSMUSG00000072845	TMPRSS11A	0.112663	0.42501	0.790945	0.835477
ENSMUSG00000083104	GM12917	0.153651	0.579612	0.790938	0.835477
ENSMUSG00000038252	NCAPD2	-0.04637	0.175298	0.791374	0.835878
ENSMUSG00000041523	UPK2	-0.16926	0.641127	0.79178	0.836203
ENSMUSG00000057375	YIPF1	-0.03396	0.128608	0.791758	0.836203
ENSMUSG00000030127	COPS7A	0.022366	0.084777	0.79192	0.836213
ENSMUSG00000038930	RCCD1	-0.03667	0.139048	0.791985	0.836213
ENSMUSG00000043183	SIMC1	0.069747	0.264435	0.791966	0.836213
ENSMUSG00000091423	GM17509	0.157144	0.595847	0.791987	0.836213

ENSMUSG00000007908	HMGCLL1	0.128808	0.488753	0.792132	0.836296
ENSMUSG000000083990	GM12101	0.109377	0.415193	0.792213	0.836296
ENSMUSG000000091155	SERPINE3	0.103582	0.393149	0.79219	0.836296
ENSMUSG000000031374	ZFP92	-0.12805	0.486652	0.792452	0.836497
ENSMUSG000000096696	ZFP960	0.028861	0.109729	0.792534	0.83653
ENSMUSG000000084384	GM12251	-0.11674	0.44543	0.793251	0.837236
ENSMUSG000000029195	KLB	0.135541	0.517564	0.793412	0.837353
ENSMUSG000000059910	OLFR1265	0.104078	0.398196	0.793804	0.837716
ENSMUSG000000036636	CLCN7	-0.02681	0.102648	0.793985	0.837854
ENSMUSG000000002769	GNMT	0.055934	0.214613	0.79438	0.838176
ENSMUSG000000017720	TRP53TG5	-0.15069	0.578189	0.794388	0.838176
ENSMUSG000000005107	SLC2A9	0.054976	0.211472	0.794888	0.838651
ENSMUSG000000005469	PRKACA	-0.02368	0.091229	0.795192	0.83892
ENSMUSG000000043331	OLFR975	-0.07936	0.306149	0.795465	0.839155
ENSMUSG000000035722	ABCA7	-0.03377	0.130569	0.795892	0.839553
ENSMUSG000000095649	GM8979	-0.07924	0.306473	0.795986	0.8396
ENSMUSG000000026781	ACBD5	-0.03942	0.152734	0.796313	0.839893
ENSMUSG000000034751	MAST4	-0.07491	0.290344	0.796407	0.83994
ENSMUSG000000002031	IFT46	-0.06671	0.258689	0.796505	0.839991
ENSMUSG000000020681	ACE	-0.05249	0.204227	0.79718	0.840651
ENSMUSG000000021748	PDHB	0.023072	0.089802	0.797237	0.840659
ENSMUSG000000062314	OLFR1505	0.090876	0.354844	0.797874	0.841278
ENSMUSG000000020092	PALD1	-0.04569	0.178638	0.798114	0.841479
ENSMUSG000000053768	CHCHD3	-0.03439	0.134587	0.798337	0.841662
ENSMUSG000000010609	PSEN2	0.034018	0.133383	0.798694	0.841985
ENSMUSG000000070960	GM19680	-0.09304	0.365097	0.798853	0.842049
ENSMUSG000000081255	GM5380	0.107704	0.422567	0.798816	0.842049
ENSMUSG000000016206	H2-M3	0.037795	0.148518	0.799124	0.842107
ENSMUSG000000027715	CCNA2	0.195444	0.768139	0.799156	0.842107
ENSMUSG000000036172	CD200R3	0.135662	0.532666	0.798967	0.842107
ENSMUSG000000095683	GM10662	0.252999	0.993903	0.79907	0.842107
ENSMUSG000000095976	GM5891	0.252999	0.993903	0.79907	0.842107
ENSMUSG000000022766	SERPIND1	0.20956	0.824801	0.799438	0.842352
ENSMUSG000000053182	GM609	-0.13266	0.524192	0.800205	0.843107
ENSMUSG000000031298	ADGRG2	-0.09775	0.386356	0.800257	0.843109
ENSMUSG000000048376	F2R	0.065505	0.259027	0.800355	0.843109
ENSMUSG000000074971	FIBIN	-0.04271	0.168869	0.80033	0.843109
ENSMUSG000000029054	GABRD	0.124116	0.491107	0.800479	0.843187
ENSMUSG000000034303	CCDC15	-0.05137	0.203612	0.800824	0.843498
ENSMUSG000000051730	METTL5	0.041969	0.166501	0.800992	0.843623
ENSMUSG000000005371	FBXO11	0.021762	0.086416	0.801175	0.843711
ENSMUSG000000019464	PTGER1	0.04903	0.194689	0.801167	0.843711
ENSMUSG000000030895	HPX	0.082047	0.326101	0.801351	0.843844
ENSMUSG000000069633	PEX11G	-0.04312	0.171451	0.801435	0.84388
ENSMUSG000000033272	SLC35A4	0.022611	0.08999	0.801614	0.843965
ENSMUSG000000092260	ZFP963	-0.04406	0.175344	0.801616	0.843965
ENSMUSG000000042165	GM9774	0.243514	0.970782	0.801935	0.844249
ENSMUSG000000026940	CCDC183	0.100694	0.40228	0.802349	0.844633
ENSMUSG000000026640	PLXNA2	-0.07046	0.281991	0.802691	0.844888
ENSMUSG000000029279	BRDT	-0.07902	0.316221	0.802678	0.844888

ENSMUSG00000037426	DEPDC5	-0.03032	0.121835	0.803477	0.845663
ENSMUSG00000020072	PBLD2	-0.05656	0.227482	0.803646	0.845788
ENSMUSG00000072494	PPP1R3E	0.070771	0.284823	0.803768	0.845864
ENSMUSG00000034850	TMEM127	-0.02592	0.104389	0.803878	0.845928
ENSMUSG00000061288	TAOK3	-0.07127	0.287499	0.804209	0.846224
ENSMUSG00000032254	KIF23	0.077313	0.31249	0.804591	0.846573
ENSMUSG00000035085	1700020L24RIH	0.073515	0.297819	0.805028	0.84698
ENSMUSG00000066892	FBXL12	0.027304	0.111085	0.805839	0.847781
ENSMUSG00000051989	SMIM11	0.044317	0.180504	0.806055	0.847956
ENSMUSG00000051639	GM5812	0.349035	1.42459	0.806451	0.84832
ENSMUSG00000087150	BC064078	0.086906	0.354964	0.806587	0.848411
ENSMUSG00000094822	OLFR243	-0.14509	0.593178	0.806766	0.848546
ENSMUSG00000070604	VSIG10L	0.054414	0.222683	0.806956	0.848694
ENSMUSG00000045518	ONECUT3	-0.09377	0.383976	0.807063	0.848753
ENSMUSG00000030428	TTYH1	0.067193	0.275217	0.807117	0.848758
ENSMUSG00000030330	ING4	0.036952	0.151499	0.807302	0.8489
ENSMUSG00000060681	SLC9A6	0.02331	0.095659	0.807477	0.848978
ENSMUSG000000109449	OLFR1280	-0.09218	0.37824	0.807454	0.848978
ENSMUSG00000044927	H1FX	-0.06481	0.266163	0.807626	0.849083
ENSMUSG00000029404	ARL6IP4	0.023334	0.095923	0.807806	0.849218
ENSMUSG00000029833	TRIM24	0.02086	0.085776	0.807855	0.849218
ENSMUSG00000083626	GM4459	0.082898	0.341304	0.808094	0.849417
ENSMUSG00000018974	SART3	-0.03255	0.134231	0.808381	0.849666
ENSMUSG00000034617	MTRR	0.022862	0.094464	0.808762	0.849975
ENSMUSG00000051111	SV2C	0.092648	0.382832	0.808775	0.849975
ENSMUSG00000023026	DIP2B	0.020669	0.085552	0.809093	0.850224
ENSMUSG00000061388	CSN1S2B	-0.13197	0.54632	0.809113	0.850224
ENSMUSG00000020532	ACACA	0.038765	0.160652	0.809324	0.850393
ENSMUSG00000038170	PDE4DIP	-0.03245	0.13454	0.809422	0.850425
ENSMUSG00000056050	MIA3	-0.02139	0.088719	0.809454	0.850425
ENSMUSG00000078435	AU041133	0.046392	0.192482	0.809541	0.850464
ENSMUSG00000000127	FER	0.022021	0.091599	0.810014	0.850908
ENSMUSG00000025880	SMAD7	-0.03414	0.142142	0.810202	0.851015
ENSMUSG00000063887	NLGN1	0.131757	0.548649	0.810216	0.851015
ENSMUSG00000004221	IKBKG	0.032438	0.135158	0.810332	0.851031
ENSMUSG00000057123	GJA5	-0.04845	0.201845	0.810306	0.851031
ENSMUSG00000006705	PKNOX1	0.029115	0.121366	0.810412	0.851063
ENSMUSG00000035595	1600002K03RII	-0.0346	0.144268	0.810485	0.851087
ENSMUSG00000025328	PADI3	-0.13025	0.545032	0.811126	0.851552
ENSMUSG00000031995	ST14	-0.05806	0.242948	0.811129	0.851552
ENSMUSG00000064358	MT-CO3	0.040969	0.171392	0.811078	0.851552
ENSMUSG00000068299	NAT8F4	0.051732	0.216316	0.810991	0.851552
ENSMUSG00000057092	FXVD3	-0.1754	0.734387	0.811235	0.851611
ENSMUSG00000027981	RNPC3	0.034917	0.146459	0.811563	0.851903
ENSMUSG00000036815	DPP10	-0.08702	0.365603	0.811867	0.852064
ENSMUSG00000083043	GM13433	0.153906	0.646415	0.81181	0.852064
ENSMUSG00000096914	GALNTL6	0.111781	0.469524	0.811825	0.852064
ENSMUSG00000056162	CNDP1	-0.07267	0.306246	0.812417	0.852589
ENSMUSG00000025038	EFHC2	0.167674	0.707174	0.812576	0.852702
ENSMUSG00000024712	RFK	-0.02156	0.091074	0.812833	0.85292

ENSMUSG00000022833	CCDC14	-0.04249	0.179652	0.813013	0.853056
ENSMUSG00000001229	DPP9	-0.01956	0.082733	0.813147	0.853144
ENSMUSG000000031983	2310022B05RII	-0.0195	0.082561	0.813275	0.853225
ENSMUSG000000032583	MON1A	-0.03241	0.137525	0.813665	0.853582
ENSMUSG000000005615	PCYT1A	0.020792	0.088382	0.814016	0.853895
ENSMUSG000000061561	OLFR373	0.13579	0.577373	0.814064	0.853895
ENSMUSG000000058886	DEAF1	0.029698	0.126391	0.814233	0.85402
ENSMUSG000000025278	FLNB	-0.04683	0.199505	0.814429	0.854172
ENSMUSG000000051007	GATD1	-0.02737	0.116686	0.814573	0.85427
ENSMUSG000000040554	AIPL1	-0.1034	0.441635	0.814892	0.854552
ENSMUSG000000030643	RAB30	-0.03693	0.158033	0.815232	0.854856
ENSMUSG000000027656	WISP2	-0.19705	0.844381	0.815474	0.855057
ENSMUSG000000028140	MRPL9	-0.02441	0.104733	0.815691	0.855232
ENSMUSG000000048921	ZFP689	0.042027	0.18047	0.815857	0.855353
ENSMUSG000000022054	NEFM	0.091608	0.393581	0.815951	0.855363
ENSMUSG000000025198	ERLIN1	0.038085	0.163641	0.815968	0.855363
ENSMUSG000000047307	PCDHB13	0.084074	0.362519	0.816603	0.855871
ENSMUSG000000058388	PHTF1	-0.04046	0.174389	0.816509	0.855871
ENSMUSG000000070417	OLFR2	0.08148	0.351251	0.816561	0.855871
ENSMUSG000000022696	SIDT1	-0.09096	0.393177	0.81705	0.856286
ENSMUSG000000043727	F830045P16RII	-0.12282	0.531982	0.81741	0.85661
ENSMUSG000000029554	MAD1L1	-0.04684	0.20298	0.817518	0.856671
ENSMUSG000000032348	GSTA4	-0.04642	0.20134	0.817672	0.85678
ENSMUSG000000082368	GM11225	0.0561	0.243639	0.817889	0.856848
ENSMUSG000000092167	GM3696	0.140325	0.609111	0.817799	0.856848
ENSMUSG000000094697	ENSMUSG0000C	0.251223	1.090972	0.817879	0.856848
ENSMUSG000000014602	KIF1A	-0.10436	0.45383	0.81813	0.857047
ENSMUSG000000021594	SRD5A1	0.054546	0.237893	0.818644	0.857287
ENSMUSG000000024454	HDAC3	-0.01966	0.085702	0.818537	0.857287
ENSMUSG000000024805	PCGF5	-0.01912	0.083365	0.818634	0.857287
ENSMUSG000000033752	MND1	0.049961	0.217995	0.818728	0.857287
ENSMUSG000000062906	HDAC10	-0.02324	0.101302	0.818523	0.857287
ENSMUSG000000110796	FO082328.1	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000110890	AC117622.1	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000110933	CR936839.2	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000111024	CU041226.1	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000111140	CT009635.1	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000111636	AC240971.2	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000111848	CR936842.1	0.067155	0.29341	0.818964	0.857287
ENSMUSG000000040451	SGMS1	-0.02047	0.089605	0.819338	0.857625
ENSMUSG000000032115	HYOU1	-0.01991	0.087766	0.820557	0.858849
ENSMUSG000000092490	GM20482	0.216258	0.954708	0.820799	0.859049
ENSMUSG000000029456	ACAD10	-0.03218	0.142501	0.821359	0.859582
ENSMUSG000000034189	HSDL1	-0.02478	0.110335	0.822302	0.860516
ENSMUSG000000029592	USP30	0.0346	0.154204	0.822465	0.860569
ENSMUSG000000036138	ACAA1A	0.028318	0.126194	0.822445	0.860569
ENSMUSG000000047150	1700001C19RII	0.117658	0.5245	0.822505	0.860569
ENSMUSG000000004730	ADGRE1	-0.07381	0.329385	0.822686	0.860652
ENSMUSG000000037031	TSPAN15	-0.02721	0.12143	0.822669	0.860652
ENSMUSG000000036449	LCN8	0.284286	1.270737	0.822977	0.860904

ENSMUSG00000008892	VDAC3	0.027327	0.122417	0.82336	0.861251
ENSMUSG00000079396	GM3411	0.183946	0.824606	0.823479	0.861323
ENSMUSG00000025754	AGBL1	-0.12742	0.573456	0.824166	0.861935
ENSMUSG00000026260	NDUFA10	-0.02405	0.108217	0.824151	0.861935
ENSMUSG00000008200	FNBP4	0.025288	0.113902	0.8243	0.862022
ENSMUSG00000014353	TMEM87B	-0.01997	0.090677	0.82566	0.863235
ENSMUSG00000021508	CXCL14	-0.08076	0.36664	0.825654	0.863235
ENSMUSG00000069303	HIST1H2BR	0.163251	0.740607	0.825538	0.863235
ENSMUSG000000108218	OLFR1372-PS1	0.037174	0.16877	0.825663	0.863235
ENSMUSG00000039405	PRSS23	0.046748	0.212348	0.825756	0.863279
ENSMUSG00000035778	GGTA1	-0.02699	0.1227	0.8259	0.863323
ENSMUSG00000063594	GNG8	0.133786	0.608146	0.825879	0.863323
ENSMUSG00000055523	GUCY2G	-0.11102	0.505537	0.826171	0.863553
ENSMUSG00000082816	GM11953	-0.11047	0.503593	0.826364	0.863702
ENSMUSG000000105103	GM43191	-0.16987	0.775023	0.826514	0.863806
ENSMUSG000000107470	GM3375	-0.58617	2.676599	0.826652	0.863897
ENSMUSG00000026024	ALS2	0.022779	0.104484	0.827417	0.864643
ENSMUSG00000024892	PCX	0.0217	0.099691	0.827687	0.864871
ENSMUSG00000003198	ZFP959	0.031544	0.145189	0.828003	0.865149
ENSMUSG00000032366	TPM1	-0.02904	0.133835	0.828244	0.865347
ENSMUSG00000001157	GMCL1	0.046614	0.214969	0.828333	0.865387
ENSMUSG00000030364	CLEC2H	-0.11862	0.547591	0.828498	0.865506
ENSMUSG00000031273	COL4A6	0.059479	0.274667	0.828559	0.865516
ENSMUSG00000003190	BCL2L12	0.026497	0.122494	0.828747	0.865659
ENSMUSG00000027193	API5	-0.01936	0.089562	0.828841	0.865676
ENSMUSG00000081201	SMT3H2-PS4	-0.34337	1.588512	0.828865	0.865676
ENSMUSG00000030771	ENSMUSG0000C	0.051725	0.2399	0.829292	0.866015
ENSMUSG00000033368	TRIM69	0.106836	0.495466	0.829279	0.866015
ENSMUSG00000045410	AKR1E1	-0.0429	0.199198	0.829493	0.866172
ENSMUSG00000074649	BC029722	-0.01822	0.084993	0.830269	0.866929
ENSMUSG00000022753	TMEM30C	-0.07234	0.338006	0.830536	0.867155
ENSMUSG00000042992	BORCS5	-0.02843	0.133314	0.831138	0.86773
ENSMUSG00000022556	HSF1	0.037742	0.177155	0.831291	0.867799
ENSMUSG00000026648	DCLRE1C	-0.03867	0.181506	0.831307	0.867799
ENSMUSG00000058952	CFI	-0.13768	0.646571	0.831377	0.867819
ENSMUSG00000030091	NUP210	0.050307	0.237354	0.832147	0.86857
ENSMUSG00000096780	TMEM181B-PS	0.060579	0.286258	0.8324	0.868781
ENSMUSG00000008763	MAN1A2	0.040698	0.192666	0.832704	0.868995
ENSMUSG00000028532	CACHD1	-0.05673	0.26875	0.832811	0.868995
ENSMUSG00000066378	GM10160	-0.25223	1.194763	0.832802	0.868995
ENSMUSG00000067377	TSPAN6	-0.04408	0.208718	0.832737	0.868995
ENSMUSG00000059395	NKAPL	-0.10637	0.507049	0.833834	0.870009
ENSMUSG00000022114	SPRY2	0.08535	0.407449	0.834079	0.870212
ENSMUSG00000022960	DONSON	-0.02896	0.138465	0.834353	0.870444
ENSMUSG00000091756	GM3095	-0.32367	1.549954	0.834585	0.870633
ENSMUSG00000040302	RBM48	0.036767	0.176181	0.834692	0.870637
ENSMUSG00000052012	OLFR796	-0.09152	0.438495	0.834672	0.870637
ENSMUSG00000039989	CBX4	-0.0251	0.120339	0.834754	0.870648
ENSMUSG00000051716	APON	-0.07974	0.382711	0.834947	0.870796
ENSMUSG00000020738	SUMO2	0.017181	0.082592	0.835206	0.871013

ENSMUSG00000029598	PLBD2	0.024877	0.119956	0.835707	0.871482
ENSMUSG00000026575	NME7	-0.04819	0.232754	0.835985	0.871611
ENSMUSG00000035107	DCBLD2	-0.03034	0.146525	0.835934	0.871611
ENSMUSG00000070798	PSG25	-0.11188	0.540302	0.835954	0.871611
ENSMUSG00000061474	MRPS36	0.023421	0.113193	0.836079	0.871656
ENSMUSG00000005687	BCAS2	-0.03071	0.148753	0.836431	0.871862
ENSMUSG00000037780	MBL1	-0.25058	1.213673	0.836428	0.871862
ENSMUSG00000079297	GM2223	-0.52672	2.550306	0.836376	0.871862
ENSMUSG00000030155	CLEC2E	-0.08426	0.408373	0.836525	0.871907
ENSMUSG00000030727	RABEP2	0.037081	0.179839	0.836644	0.871977
ENSMUSG00000039470	ZDHHC2	-0.05866	0.284694	0.836751	0.872036
ENSMUSG00000094460	GM21560	0.193894	0.941812	0.83689	0.872126
ENSMUSG00000003436	DLL3	-0.14224	0.692892	0.837345	0.872477
ENSMUSG00000031865	DCTN1	0.018864	0.091941	0.837432	0.872477
ENSMUSG00000034842	ART3	-0.0268	0.130604	0.837415	0.872477
ENSMUSG00000058743	KCNJ14	0.085602	0.416865	0.837302	0.872477
ENSMUSG00000018196	GLRX2	0.020971	0.102354	0.837661	0.872608
ENSMUSG00000027674	PEX5L	0.062777	0.306316	0.837618	0.872608
ENSMUSG00000019952	POC1B	-0.02906	0.142014	0.837874	0.872776
ENSMUSG00000023191	P3H3	0.028426	0.139028	0.837993	0.872847
ENSMUSG00000046020	POFUT1	0.021195	0.103726	0.838093	0.872898
ENSMUSG00000034311	KIF4	0.1324	0.650059	0.838609	0.873382
ENSMUSG00000063364	3300002I08RIK	0.066798	0.328248	0.838746	0.873471
ENSMUSG00000099398	MS4A14	0.117665	0.58141	0.839621	0.874328
ENSMUSG00000037315	JADE3	0.03843	0.189957	0.839676	0.874332
ENSMUSG00000079608	STARD6	-0.07068	0.349609	0.839784	0.874391
ENSMUSG00000021950	ANXA8	-0.07751	0.383799	0.839945	0.874505
ENSMUSG00000028356	AMBP	-0.12067	0.600809	0.840817	0.875295
ENSMUSG00000030329	PIANP	-0.15782	0.78613	0.840885	0.875295
ENSMUSG00000031129	SLC9A9	-0.05152	0.256724	0.840942	0.875295
ENSMUSG00000040537	ADAM22	-0.0398	0.198337	0.840961	0.875295
ENSMUSG00000053025	SV2B	0.068787	0.342774	0.840951	0.875295
ENSMUSG00000024403	ATP6V1G2	-0.02692	0.134196	0.841018	0.8753
ENSMUSG00000026601	AXDND1	0.099496	0.496654	0.841221	0.875458
ENSMUSG00000009863	SDHB	0.025417	0.126939	0.841303	0.875489
ENSMUSG00000025762	LARP1B	0.017118	0.085807	0.84188	0.876036
ENSMUSG000000101462	GM3052	0.075003	0.376997	0.842304	0.876423
ENSMUSG00000029334	PRKG2	0.086766	0.436362	0.842387	0.876457
ENSMUSG00000031529	TNKS	-0.02056	0.103565	0.842656	0.876512
ENSMUSG00000036661	DENND3	0.038015	0.191382	0.842551	0.876512
ENSMUSG00000048970	C1GALT1C1	0.021837	0.110042	0.842699	0.876512
ENSMUSG00000052861	DNAH6	-0.06875	0.346365	0.84267	0.876512
ENSMUSG000000100235	GM28557	0.049486	0.249329	0.842672	0.876512
ENSMUSG00000021697	DEPDC1B	-0.10867	0.54794	0.842786	0.876549
ENSMUSG00000025321	ITGB8	-0.05471	0.276131	0.842935	0.87665
ENSMUSG00000044098	RSBN1	0.020892	0.105619	0.8432	0.876873
ENSMUSG00000081593	GM11841	0.063516	0.323313	0.844255	0.877915
ENSMUSG00000026319	RELCH	0.020122	0.102468	0.844321	0.877931
ENSMUSG00000079884	GM10698	0.024859	0.126646	0.844382	0.87794
ENSMUSG00000022220	ADCY4	0.027333	0.139432	0.844586	0.878081

ENSMUSG00000039218	SRRM2	-0.02419	0.123415	0.844621	0.878081
ENSMUSG00000026866	KYNU	0.090761	0.464311	0.845021	0.878444
ENSMUSG00000044206	VSIG4	0.131033	0.672702	0.845561	0.87895
ENSMUSG00000020599	RGS9	0.084196	0.432752	0.845737	0.87908
ENSMUSG00000028642	TMEM269	-0.06745	0.34766	0.846168	0.879474
ENSMUSG00000071359	TBPL1	-0.02186	0.113027	0.846642	0.879912
ENSMUSG00000032567	ASTE1	0.031056	0.160646	0.846706	0.879925
ENSMUSG00000025020	SLIT1	0.105257	0.544898	0.846827	0.879997
ENSMUSG00000106416	GM5857	-0.1272	0.659494	0.847058	0.880183
ENSMUSG00000026566	MPZL1	-0.02765	0.143578	0.84731	0.880391
ENSMUSG00000034269	SETD5	-0.01675	0.087142	0.847563	0.880601
ENSMUSG00000044551	9930012K11RII	-0.05245	0.273064	0.847692	0.88068
ENSMUSG00000028551	CDKN2C	-0.04238	0.221087	0.847991	0.880937
ENSMUSG00000020884	ASGR1	-0.14046	0.733793	0.848197	0.881097
ENSMUSG00000019978	EPB41L2	0.016286	0.085179	0.848374	0.881227
ENSMUSG00000024045	AKAP8	0.015845	0.082995	0.848593	0.88131
ENSMUSG00000034813	GRIP1	-0.05919	0.309867	0.848513	0.88131
ENSMUSG00000075469	GM17205	-0.11254	0.58954	0.848609	0.88131
ENSMUSG00000020612	PRKAR1A	0.017039	0.089583	0.849155	0.881822
ENSMUSG00000070282	3000002C10RII	0.041464	0.218448	0.849458	0.882084
ENSMUSG00000081087	RPS15A-PS7	-0.1206	0.635971	0.849601	0.882178
ENSMUSG00000015970	CHDH	0.117409	0.621847	0.850244	0.882792
ENSMUSG00000038776	EPHX1	0.048349	0.256199	0.850314	0.88281
ENSMUSG00000007836	HNRNPA0	-0.01559	0.082638	0.85038	0.882825
ENSMUSG00000024132	ECI1	0.027118	0.143945	0.850572	0.88297
ENSMUSG00000023927	SATB1	0.016671	0.088553	0.850669	0.883017
ENSMUSG00000071054	SAFB	0.026327	0.139947	0.850779	0.883077
ENSMUSG00000021187	TC2N	0.074515	0.396552	0.850948	0.883156
ENSMUSG00000025956	METTL21A	0.025588	0.136182	0.850959	0.883156
ENSMUSG00000024799	TM7SF2	-0.03564	0.190158	0.851331	0.883459
ENSMUSG00000107068	GM42742	0.020643	0.110163	0.851355	0.883459
ENSMUSG00000052446	ZFP961	-0.03064	0.16397	0.851778	0.883844
ENSMUSG00000075570	KRT26	-0.10489	0.561635	0.851854	0.883869
ENSMUSG00000030225	DERA	0.034996	0.187521	0.851954	0.883919
ENSMUSG00000072680	TMEM254C	-0.05555	0.29928	0.852745	0.884685
ENSMUSG00000081321	GM15304	0.101535	0.548178	0.853054	0.884952
ENSMUSG00000025727	A930017K11RII	-0.09633	0.520464	0.853159	0.884997
ENSMUSG00000045968	TEDDM2	-0.03755	0.202914	0.853202	0.884997
ENSMUSG00000031024	ST5	0.024858	0.134587	0.853468	0.885219
ENSMUSG00000073290	GM10490	0.086823	0.47099	0.853746	0.885417
ENSMUSG00000074785	PLXNC1	-0.05555	0.301357	0.853763	0.885417
ENSMUSG00000074965	OLFR1277	-0.0778	0.423696	0.854311	0.885931
ENSMUSG00000027635	DSN1	0.044806	0.244687	0.854709	0.886289
ENSMUSG00000033487	FNDC3A	0.022669	0.124307	0.855297	0.886845
ENSMUSG00000109523	GDF1	0.211905	1.163483	0.855481	0.886982
ENSMUSG00000022436	SH3BP1	0.023015	0.126563	0.855704	0.887159
ENSMUSG00000027954	EFNA1	-0.01685	0.092845	0.856005	0.887352
ENSMUSG00000029647	PAN3	-0.02477	0.136463	0.855991	0.887352
ENSMUSG00000038984	TSPYL5	-0.06979	0.384739	0.856062	0.887352
ENSMUSG00000056851	PCBP2	0.01537	0.084759	0.856099	0.887352

ENSMUSG00000041649	KLF8	-0.06116	0.337426	0.85617	0.887371
ENSMUSG00000062794	ZFP599	0.046952	0.259548	0.856448	0.887605
ENSMUSG00000053749	GM9920	0.071958	0.39858	0.856731	0.887844
ENSMUSG00000040596	POGK	-0.01743	0.096641	0.856845	0.887908
ENSMUSG00000094441	ZFP955A	0.020691	0.115009	0.857226	0.888249
ENSMUSG00000040236	TRAPPC5	-0.01516	0.084312	0.857297	0.888268
ENSMUSG00000022090	PDLIM2	0.07088	0.394416	0.857381	0.888301
ENSMUSG00000018844	FNDC8	-0.06652	0.372495	0.858271	0.889169
ENSMUSG00000094487	GM21958	-0.07564	0.423844	0.858357	0.889203
ENSMUSG00000005986	ANKRD13D	0.057911	0.324684	0.85844	0.889235
ENSMUSG00000039512	UHRF1BP1	0.026355	0.148779	0.859394	0.890169
ENSMUSG00000068115	NINL	-0.05231	0.296602	0.860002	0.890691
ENSMUSG00000089917	UCKL1	0.022752	0.12899	0.859993	0.890691
ENSMUSG00000050079	RSPRY1	0.032683	0.186086	0.860581	0.891235
ENSMUSG00000037855	ZFP365	-0.06008	0.343206	0.861042	0.891659
ENSMUSG00000000567	SOX9	0.035423	0.202742	0.861301	0.891872
ENSMUSG00000026418	TNNI1	0.062777	0.359639	0.861428	0.89195
ENSMUSG00000015016	ACSF3	0.021464	0.123254	0.861754	0.892232
ENSMUSG00000027243	HARBI1	0.026481	0.152127	0.861808	0.892235
ENSMUSG00000022141	NIPBL	0.017206	0.099293	0.862431	0.892825
ENSMUSG00000018169	MFNG	0.024383	0.141112	0.862815	0.893113
ENSMUSG00000031976	URB2	0.017783	0.10288	0.862766	0.893113
ENSMUSG00000024383	MAP3K2	0.01581	0.0916	0.86297	0.893214
ENSMUSG00000025898	CWF19L2	-0.01665	0.096492	0.863037	0.893214
ENSMUSG00000081948	OLFR1191-PS1	-0.04413	0.255847	0.86307	0.893214
ENSMUSG00000028882	PPP1R8	0.020782	0.121075	0.863718	0.89383
ENSMUSG00000057577	GM10025	0.077512	0.453206	0.8642	0.894274
ENSMUSG00000020808	PIMREG	0.173694	1.017075	0.864398	0.894373
ENSMUSG00000070003	SSBP4	0.0187	0.109503	0.864401	0.894373
ENSMUSG00000039308	NDST2	0.017	0.099796	0.864737	0.894667
ENSMUSG00000026227	2810459M11R	0.090968	0.534416	0.864837	0.894715
ENSMUSG00000095101	GM13285	-0.06241	0.367787	0.86526	0.895099
ENSMUSG00000034621	GPATCH8	-0.02298	0.135838	0.865656	0.89529
ENSMUSG00000035041	CREB3L3	-0.11147	0.658802	0.865633	0.89529
ENSMUSG00000039917	RHBDD2	0.021812	0.128825	0.865548	0.89529
ENSMUSG00000040522	TLR8	0.054104	0.319612	0.865575	0.89529
ENSMUSG00000051509	OLFR414	0.055423	0.328346	0.865958	0.895548
ENSMUSG00000057068	FAM47E	-0.08843	0.524196	0.866029	0.895567
ENSMUSG00000023050	MAP3K12	-0.02848	0.169179	0.866295	0.895787
ENSMUSG00000056692	D17WSU92E	-0.01422	0.084566	0.866431	0.895873
ENSMUSG00000044737	KLK14	0.058056	0.346118	0.866792	0.896192
ENSMUSG00000042834	NREP	-0.04556	0.27214	0.867039	0.896359
ENSMUSG00000081170	GM12922	0.137752	0.822918	0.867059	0.896359
ENSMUSG00000034427	MYO15B	0.08388	0.501443	0.867152	0.8964
ENSMUSG00000031633	SLC25A4	0.019318	0.115659	0.867349	0.896549
ENSMUSG00000072774	ZFP951	0.027504	0.164862	0.867502	0.896653
ENSMUSG00000041303	GTF3C3	-0.02992	0.179521	0.867634	0.896735
ENSMUSG00000022972	CFAP298	0.023789	0.143047	0.867919	0.896974
ENSMUSG00000031924	CYB5B	-0.019	0.11439	0.868106	0.897113
ENSMUSG00000101940	AKP-PS1	0.059659	0.360511	0.868563	0.897531

ENSMUSG00000035765	DYM	-0.01886	0.11425	0.868875	0.897799
ENSMUSG00000033350	CHST2	0.030137	0.18297	0.869171	0.898049
ENSMUSG00000054999	NAALADL1	-0.08087	0.49163	0.86935	0.89818
ENSMUSG00000028040	EFNA4	0.066711	0.406253	0.869565	0.898305
ENSMUSG00000038402	FOXF2	0.07096	0.432167	0.869577	0.898305
ENSMUSG00000033799	FAM208B	-0.01471	0.089849	0.869961	0.898611
ENSMUSG00000042857	GM9776	0.030801	0.18817	0.869979	0.898611
ENSMUSG00000030336	CD27	-0.07009	0.428868	0.870187	0.898772
ENSMUSG00000006526	TMEM110	0.024087	0.148086	0.870792	0.899294
ENSMUSG00000020121	SRGAP1	0.032917	0.20239	0.870799	0.899294
ENSMUSG00000025557	SLC15A1	-0.06518	0.402152	0.87124	0.899695
ENSMUSG00000005950	P2RX5	-0.02427	0.150004	0.871491	0.899845
ENSMUSG000000101958	GM19085	-0.08905	0.550285	0.871439	0.899845
ENSMUSG00000079507	H2-Q1	0.073935	0.458259	0.871827	0.900136
ENSMUSG00000044018	MRPL50	0.013339	0.0828	0.872018	0.90028
ENSMUSG00000022577	LY6H	0.054064	0.337197	0.872619	0.90079
ENSMUSG00000026113	INPP4A	-0.01595	0.099478	0.872593	0.90079
ENSMUSG00000029661	COL1A2	0.079062	0.493658	0.872758	0.900825
ENSMUSG00000044600	SMIM7	0.013941	0.087045	0.872754	0.900825
ENSMUSG00000031872	BEAN1	0.033655	0.210279	0.872841	0.900855
ENSMUSG00000032217	RNF111	-0.01403	0.088091	0.873431	0.901409
ENSMUSG00000025572	TMC6	-0.02337	0.146976	0.873661	0.901483
ENSMUSG00000047843	BRI3	-0.01322	0.083111	0.873643	0.901483
ENSMUSG00000071646	MTA2	0.016148	0.101552	0.873662	0.901483
ENSMUSG00000026510	TRP53BP2	0.017243	0.108777	0.874052	0.90183
ENSMUSG00000027323	RAD51	0.072326	0.457081	0.874273	0.90184
ENSMUSG00000035365	PARPBP	0.156703	0.989306	0.874144	0.90184
ENSMUSG00000055421	PCDH9	0.056649	0.358052	0.874288	0.90184
ENSMUSG00000073676	HSPE1	-0.04556	0.287987	0.874305	0.90184
ENSMUSG00000078625	GM12789	0.058545	0.370152	0.874327	0.90184
ENSMUSG00000030604	ZFP626	-0.02191	0.138932	0.874692	0.902163
ENSMUSG00000020415	PTTG1	-0.02921	0.185833	0.875101	0.902529
ENSMUSG00000014426	MAP3K4	-0.0267	0.170314	0.875408	0.902699
ENSMUSG00000079418	ATG4A	0.020516	0.130846	0.875404	0.902699
ENSMUSG00000090084	SRPX	-0.03677	0.235667	0.876024	0.903207
ENSMUSG00000015627	GATA5	-0.05633	0.361482	0.876163	0.903207
ENSMUSG00000023330	DTWD1	-0.02538	0.162895	0.876184	0.903207
ENSMUSG00000070369	ITGAD	-0.08425	0.540476	0.876131	0.903207
ENSMUSG00000020782	LLGL2	0.026318	0.169204	0.876397	0.903372
ENSMUSG00000031750	IL34	-0.0326	0.21009	0.876687	0.903587
ENSMUSG00000049313	SORL1	-0.03106	0.20018	0.876712	0.903587
ENSMUSG00000025733	RHOT2	-0.02964	0.191327	0.876872	0.903697
ENSMUSG00000033966	CDKL4	0.100898	0.652817	0.87717	0.903949
ENSMUSG00000078117	GM16485	0.075381	0.488622	0.877395	0.904126
ENSMUSG00000021879	DNAH12	0.042	0.27296	0.877712	0.904179
ENSMUSG00000036854	HSPB6	0.017381	0.112883	0.877631	0.904179
ENSMUSG00000057551	ZFP317	0.014922	0.09697	0.877702	0.904179
ENSMUSG00000034687	FRAS1	0.089617	0.584085	0.878059	0.904426
ENSMUSG00000064141	ZFP69	-0.03797	0.247412	0.878024	0.904426
ENSMUSG00000097405	D630044L22RII	-0.05914	0.388248	0.878937	0.905276

ENSMUSG00000022094	SLC39A14	-0.03337	0.220067	0.87947	0.90577
ENSMUSG00000026249	SERPINE2	-0.03141	0.207439	0.879638	0.905888
ENSMUSG00000035045	ZC3H12B	-0.04499	0.297317	0.879725	0.905923
ENSMUSG00000031835	MBTPS1	0.01659	0.109807	0.879909	0.906057
ENSMUSG00000015852	FCRLS	-0.04114	0.272816	0.88014	0.90624
ENSMUSG00000039753	FBXL5	0.012718	0.08454	0.880414	0.906448
ENSMUSG00000044770	SCML4	0.03542	0.235503	0.880449	0.906448
ENSMUSG00000015133	LRRK1	-0.02614	0.174387	0.880853	0.906589
ENSMUSG00000022554	HGH1	0.022043	0.146976	0.880784	0.906589
ENSMUSG00000022571	PYCRL	0.019579	0.130606	0.880834	0.906589
ENSMUSG00000024213	NUDT3	-0.0222	0.148063	0.88083	0.906589
ENSMUSG00000060181	SLC35E3	-0.0154	0.102745	0.880831	0.906589
ENSMUSG00000020718	POLG2	0.031266	0.209134	0.881156	0.906846
ENSMUSG00000058897	COL25A1	-0.07631	0.511947	0.8815	0.907146
ENSMUSG00000054589	GM9949	-0.07165	0.481509	0.881706	0.907302
ENSMUSG00000027406	IDH3B	-0.0198	0.133095	0.881762	0.907305
ENSMUSG00000024074	CRIM1	0.012289	0.082911	0.882174	0.907625
ENSMUSG00000073893	OLFR472	-0.02393	0.161475	0.88218	0.907625
ENSMUSG00000045969	ING1	0.022153	0.14984	0.882468	0.907866
ENSMUSG00000036110	SLC17A2	-0.10851	0.735581	0.88273	0.90808
ENSMUSG00000047777	PHF13	-0.01638	0.111645	0.883367	0.908681
ENSMUSG00000015342	XK	-0.01693	0.115522	0.883504	0.908767
ENSMUSG00000044071	FAM19A2	-0.06396	0.438694	0.884078	0.909303
ENSMUSG00000047921	TRAPPC9	0.026192	0.180492	0.884619	0.909803
ENSMUSG00000079627	RHOX2H	0.074467	0.513977	0.884802	0.909937
ENSMUSG00000032965	IFT57	-0.01646	0.113856	0.885036	0.910122
ENSMUSG00000069805	FBP1	0.088588	0.613319	0.885153	0.910187
ENSMUSG00000045103	DMD	0.017924	0.124882	0.885873	0.910872
ENSMUSG00000038576	SUSD4	-0.07312	0.511764	0.886394	0.911353
ENSMUSG00000099842	GM4034	-0.04795	0.335987	0.886515	0.911422
ENSMUSG00000021414	FAM217A	-0.07035	0.493249	0.886579	0.911433
ENSMUSG00000043753	DMRTA1	0.072263	0.507071	0.886677	0.911478
ENSMUSG00000001524	GTF2H4	-0.01773	0.124593	0.886832	0.911527
ENSMUSG00000075528	AARSD1	-0.02767	0.194395	0.886803	0.911527
ENSMUSG00000006850	TMCO6	-0.02974	0.209378	0.887032	0.911669
ENSMUSG00000046747	GM9812	0.036057	0.253914	0.887077	0.911669
ENSMUSG00000027676	CCDC39	-0.03126	0.221274	0.88766	0.912213
ENSMUSG00000037419	ENDOD1	-0.02632	0.187021	0.888089	0.912598
ENSMUSG00000037621	ATOH8	-0.01655	0.118025	0.888511	0.912977
ENSMUSG00000048280	ZFP738	-0.02916	0.20868	0.888865	0.913285
ENSMUSG00000047963	STBD1	-0.03777	0.271275	0.889262	0.913638
ENSMUSG00000040618	PCK2	-0.02028	0.146167	0.889659	0.913909
ENSMUSG00000056130	TICAM2	0.033474	0.241341	0.889687	0.913909
ENSMUSG00000094114	ENSMUSG000C	-0.04366	0.314521	0.889607	0.913909
ENSMUSG00000021265	SLC25A29	-0.03662	0.264726	0.88997	0.914144
ENSMUSG00000021567	NKD2	0.046532	0.336735	0.890094	0.914216
ENSMUSG00000053205	STYX	0.05381	0.390197	0.890316	0.914388
ENSMUSG00000035355	KCNH4	0.088562	0.643706	0.890571	0.914596
ENSMUSG00000026110	MGAT4A	-0.01931	0.140458	0.890663	0.914634
ENSMUSG00000078515	DDI2	0.011853	0.086528	0.891041	0.914967

ENSMUSG00000078651	AOC2	0.024985	0.182664	0.891203	0.915078
ENSMUSG00000022679	MPV17L	0.027646	0.202574	0.891446	0.915273
ENSMUSG00000039037	ST6GALNAC5	0.096588	0.709315	0.891686	0.915464
ENSMUSG00000029168	DPYSL5	-0.06554	0.485291	0.892565	0.916311
ENSMUSG00000063273	NAA15	-0.01185	0.087892	0.892725	0.91642
ENSMUSG00000057346	APOL9A	0.069867	0.518772	0.892866	0.916509
ENSMUSG00000017485	TOP2B	0.01382	0.10383	0.894115	0.917735
ENSMUSG00000040694	APOBEC2	-0.01388	0.104434	0.894237	0.917805
ENSMUSG00000054099	SLC25A40	-0.0273	0.205647	0.894392	0.917908
ENSMUSG00000049511	HTR1B	0.055328	0.417091	0.894469	0.917933
ENSMUSG00000075113	OLFR1209	-0.06008	0.454914	0.894926	0.918346
ENSMUSG00000019842	TRAF3IP2	0.023127	0.175559	0.895196	0.918567
ENSMUSG00000038128	CAMK4	-0.03931	0.299773	0.895667	0.918995
ENSMUSG00000002664	PSPN	0.072459	0.555613	0.896241	0.919528
ENSMUSG00000035953	PIP4P1	0.014541	0.111695	0.896423	0.919641
ENSMUSG00000039967	ZFP292	0.011573	0.088931	0.896459	0.919641
ENSMUSG00000069236	GM7251	0.089214	0.688585	0.896914	0.920052
ENSMUSG00000010021	KIF19A	0.054986	0.425054	0.897071	0.920157
ENSMUSG00000026404	DDX59	-0.01854	0.144377	0.897832	0.920837
ENSMUSG00000033813	TCEA1	0.010732	0.083591	0.897842	0.920837
ENSMUSG00000020463	PPP4R3B	-0.01736	0.135581	0.898118	0.921065
ENSMUSG00000006127	INPP5K	-0.01093	0.086199	0.899059	0.921948
ENSMUSG00000031303	MAP3K15	-0.0215	0.169571	0.899088	0.921948
ENSMUSG00000051456	HSPB3	0.021741	0.171611	0.899186	0.921993
ENSMUSG00000049249	GM5316	-0.03682	0.291747	0.899573	0.922334
ENSMUSG00000023052	NPFF	0.029903	0.238375	0.900171	0.922724
ENSMUSG00000024795	KIF20B	0.07815	0.622733	0.900132	0.922724
ENSMUSG00000026405	C4BP	0.023638	0.188367	0.900137	0.922724
ENSMUSG00000043017	PTGIR	-0.02036	0.16203	0.900018	0.922724
ENSMUSG00000044751	GM12231	0.056756	0.453576	0.90042	0.922924
ENSMUSG00000090336	CFAP97D2	0.044623	0.356912	0.900504	0.922954
ENSMUSG00000072707	OLFR31	-0.03134	0.251563	0.900847	0.92325
ENSMUSG00000049904	TMEM17	0.02037	0.164284	0.901321	0.92368
ENSMUSG00000001891	UGP2	0.012451	0.100736	0.901631	0.923886
ENSMUSG00000026924	SEC16A	-0.01275	0.103142	0.901594	0.923886
ENSMUSG00000038893	FAM117A	0.032056	0.259704	0.901763	0.923965
ENSMUSG00000025610	MAP3K7CL	0.040707	0.330133	0.901866	0.924016
ENSMUSG00000028013	PPA2	-0.0226	0.183768	0.902124	0.924224
ENSMUSG00000028962	SLC4A2	0.020829	0.16955	0.902229	0.924276
ENSMUSG00000037553	ZDHHC18	-0.0167	0.136098	0.902318	0.924312
ENSMUSG000000110371	GM9619	-0.03615	0.295084	0.90251	0.924452
ENSMUSG00000019866	CRYBG1	-0.0169	0.138581	0.902945	0.924786
ENSMUSG00000031849	COMP	0.040763	0.334148	0.902906	0.924786
ENSMUSG00000093901	OLFR893	0.068131	0.559825	0.903136	0.924871
ENSMUSG00000096039	D830030K20RI	0.032974	0.270878	0.903111	0.924871
ENSMUSG00000006784	TTC25	0.032677	0.269305	0.903423	0.92494
ENSMUSG00000024042	SIK1	0.039996	0.329531	0.903397	0.92494
ENSMUSG00000028392	BSPRY	0.068116	0.560598	0.903291	0.92494
ENSMUSG00000034171	FAAH	-0.04327	0.356459	0.903388	0.92494
ENSMUSG00000029454	MAPKAPK5	-0.01428	0.117873	0.903542	0.925007

ENSMUSG00000021669	COL4A3BP	0.015354	0.126789	0.903615	0.925025
ENSMUSG00000073492	GM10521	0.027214	0.225654	0.904008	0.925373
ENSMUSG00000067276	CAPN6	0.045734	0.380084	0.904225	0.925539
ENSMUSG00000066772	OBOX3	-0.05854	0.48968	0.904837	0.92611
ENSMUSG00000075069	OLFR1264	0.051242	0.434849	0.906196	0.927444
ENSMUSG00000027167	ELP4	-0.01722	0.14699	0.906737	0.927942
ENSMUSG00000032640	CHSY1	0.011976	0.102328	0.906834	0.927985
ENSMUSG00000039691	TSPAN10	0.052256	0.447537	0.907048	0.928148
ENSMUSG00000033885	PXK	-0.01229	0.10542	0.907216	0.928265
ENSMUSG00000022034	ESCO2	-0.04858	0.419343	0.907767	0.928772
ENSMUSG00000033676	GABRB3	-0.06745	0.584498	0.908123	0.92908
ENSMUSG00000034968	LBX2	-0.03625	0.315537	0.908543	0.929455
ENSMUSG00000029478	NCOR2	-0.0097	0.084658	0.908786	0.929591
ENSMUSG00000095766	GM21182	0.107568	0.938443	0.908743	0.929591
ENSMUSG00000002083	BBC3	-0.02213	0.193627	0.909014	0.929756
ENSMUSG00000099455	GM29288	0.067674	0.59281	0.909112	0.929756
ENSMUSG000000100145	GM8502	0.067674	0.59281	0.909112	0.929756
ENSMUSG00000021553	SLC28A3	-0.06602	0.580213	0.909404	0.929992
ENSMUSG00000031669	GIN53	0.038086	0.334881	0.909452	0.929992
ENSMUSG00000030695	ALDOA	0.013026	0.114965	0.909787	0.930279
ENSMUSG00000057672	PKN1	0.009808	0.086636	0.909868	0.930305
ENSMUSG00000043999	GPR75	-0.04262	0.377516	0.910103	0.93049
ENSMUSG00000036898	ZFP157	0.021149	0.189685	0.911222	0.931409
ENSMUSG00000038822	HACE1	0.017363	0.155683	0.911198	0.931409
ENSMUSG00000063442	GM7117	0.026364	0.236183	0.91112	0.931409
ENSMUSG00000078546	ZFP995	0.02771	0.248363	0.911163	0.931409
ENSMUSG00000059436	MAX	-0.00939	0.084495	0.911503	0.931641
ENSMUSG00000032773	CHRM1	0.060459	0.545328	0.911722	0.931808
ENSMUSG00000047613	A430005L14RII	-0.01456	0.131661	0.911961	0.931941
ENSMUSG00000081441	GM6161	-0.0482	0.435756	0.911915	0.931941
ENSMUSG00000047090	TMEM198B	-0.01237	0.111996	0.912069	0.931994
ENSMUSG00000022528	HES1	-0.02292	0.208281	0.912368	0.932243
ENSMUSG00000047534	MIS18BP1	0.094462	0.859278	0.912464	0.932286
ENSMUSG00000028959	FASTK	-0.01404	0.128822	0.913198	0.93298
ENSMUSG00000068744	PSRC1	-0.10679	0.98041	0.91326	0.932987
ENSMUSG00000026779	MASTL	0.07663	0.704397	0.91337	0.932987
ENSMUSG00000066415	MSL2	0.009427	0.086642	0.913354	0.932987
ENSMUSG00000010554	METTL16	-0.01253	0.115827	0.913863	0.933434
ENSMUSG00000031993	SNX19	0.009237	0.085743	0.914214	0.933737
ENSMUSG00000095929	OLFR487	0.058841	0.550552	0.914888	0.934368
ENSMUSG00000021751	ACOX2	0.048169	0.451152	0.914972	0.934399
ENSMUSG00000031256	CSTF2	0.012623	0.11853	0.91519	0.934565
ENSMUSG00000032298	NEIL1	-0.01263	0.118771	0.915335	0.9346
ENSMUSG00000096209	OLFR510	-0.04053	0.381114	0.91531	0.9346
ENSMUSG00000035929	H2-Q4	0.028871	0.272895	0.915746	0.934964
ENSMUSG00000027993	TRIM2	-0.01687	0.159639	0.915833	0.934997
ENSMUSG00000003500	IMPDH1	-0.01017	0.096787	0.916333	0.93545
ENSMUSG00000078125	GM10916	0.049882	0.476928	0.916701	0.93577
ENSMUSG00000022335	ZFAT	0.015391	0.147607	0.916954	0.935972
ENSMUSG000000106190	GM20768	-0.04737	0.455759	0.917223	0.93619

ENSMUSG00000061751	KALRN	-0.0092	0.088605	0.917282	0.936194
ENSMUSG00000033253	SZT2	0.015195	0.146636	0.917467	0.936328
ENSMUSG00000070605	ZFP992	-0.013	0.125749	0.917649	0.936456
ENSMUSG00000068823	CSDE1	-0.01323	0.12816	0.917761	0.936514
ENSMUSG00000029434	VPS33A	0.0124	0.120394	0.91797	0.936615
ENSMUSG00000054752	FSD1L	0.013394	0.130023	0.917955	0.936615
ENSMUSG00000062151	UNC13C	0.061092	0.598131	0.918647	0.937249
ENSMUSG000000110732	GM48674	-0.1092	1.074898	0.919082	0.937637
ENSMUSG00000028121	BCAR3	0.0199	0.196456	0.919315	0.937806
ENSMUSG00000034118	TPST1	-0.0119	0.1175	0.919358	0.937806
ENSMUSG00000004098	COL5A3	0.024636	0.24396	0.919563	0.937846
ENSMUSG00000028391	WDR31	-0.021	0.207837	0.919525	0.937846
ENSMUSG00000075120	OLFR1196	0.043004	0.425808	0.919556	0.937846
ENSMUSG00000032446	EOMES	0.057498	0.571144	0.919812	0.938043
ENSMUSG00000017119	NBR1	-0.00859	0.08552	0.920002	0.938154
ENSMUSG00000069053	UBA1Y	-0.05412	0.539041	0.920031	0.938154
ENSMUSG00000027489	NECAB3	0.057444	0.574328	0.920328	0.938401
ENSMUSG00000034601	2700049A03RI	-0.01465	0.14664	0.920397	0.938415
ENSMUSG00000025815	DHTKD1	0.016739	0.168362	0.920801	0.938658
ENSMUSG00000030592	RYR1	-0.03989	0.400681	0.920704	0.938658
ENSMUSG000000110597	GM8798	-0.05353	0.538205	0.920771	0.938658
ENSMUSG00000098021	GM9522	-0.1512	1.530015	0.921281	0.939091
ENSMUSG00000052331	ANKRD44	0.013315	0.134921	0.921388	0.939144
ENSMUSG00000046811	GLTPD2	-0.07212	0.731967	0.92151	0.939212
ENSMUSG00000020395	ITK	0.013625	0.139331	0.9221	0.939756
ENSMUSG00000000365	RNF17	-0.02905	0.300651	0.923031	0.940648
ENSMUSG00000030002	DUSP11	0.01042	0.108165	0.923255	0.940763
ENSMUSG00000030340	SCNN1A	0.022592	0.234392	0.923216	0.940763
ENSMUSG00000028603	SCP2	-0.0092	0.096358	0.92397	0.941436
ENSMUSG00000029403	CDKL2	0.015875	0.166554	0.924064	0.941454
ENSMUSG00000043448	GJC2	-0.02845	0.298625	0.924098	0.941454
ENSMUSG00000034187	NSF	-0.01152	0.121094	0.924226	0.941527
ENSMUSG00000018068	INTS2	-0.0189	0.199444	0.9245	0.94175
ENSMUSG00000045973	SLC25A51	0.011533	0.122156	0.92478	0.941866
ENSMUSG00000073879	GM5859	-0.03774	0.399665	0.924767	0.941866
ENSMUSG00000079324	4932414N04RI	0.041852	0.443042	0.924739	0.941866
ENSMUSG00000043987	CEP164	-0.0207	0.219444	0.92484	0.94187
ENSMUSG00000015536	MOCS2	0.008507	0.090506	0.92511	0.942089
ENSMUSG00000029196	TADA2B	-0.01564	0.166611	0.925215	0.942139
ENSMUSG00000023216	EPB42	-0.07089	0.756286	0.925321	0.942191
ENSMUSG00000031198	FUNDC2	-0.0088	0.094811	0.926012	0.942837
ENSMUSG00000035299	MID1	-0.02727	0.295181	0.926385	0.94316
ENSMUSG00000051517	ARHGEF39	-0.04611	0.500537	0.926605	0.943328
ENSMUSG00000027857	TSHB	0.041369	0.450762	0.926876	0.943547
ENSMUSG00000022429	DMC1	0.060885	0.665978	0.927157	0.943777
ENSMUSG00000024818	SLC25A45	0.017609	0.19401	0.927679	0.944195
ENSMUSG000000111715	OLFR1246	-0.03025	0.33331	0.927675	0.944195
ENSMUSG00000074896	IFIT3	0.037226	0.410786	0.927793	0.944254
ENSMUSG000000100514	GM12960	0.054242	0.599272	0.927879	0.944286
ENSMUSG00000029863	CASP2	-0.01494	0.16622	0.928379	0.944738

ENSMUSG00000026784	PDSS1	0.009781	0.110423	0.929418	0.945713
ENSMUSG00000074748	ATXN7L3B	0.008098	0.091471	0.929454	0.945713
ENSMUSG00000075318	SCN2A	-0.04915	0.555577	0.929505	0.945713
ENSMUSG00000053825	PPFIA2	0.028251	0.322262	0.930144	0.946286
ENSMUSG00000110469	GM10358	0.087985	1.004171	0.930179	0.946286
ENSMUSG00000021810	ECD	-0.00741	0.084694	0.930291	0.946292
ENSMUSG00000058586	SERHL	0.008112	0.092735	0.930297	0.946292
ENSMUSG00000037321	TAP1	-0.02157	0.247925	0.93068	0.946569
ENSMUSG00000051527	USP29	-0.0301	0.345911	0.93065	0.946569
ENSMUSG00000017652	CD40	0.027532	0.319203	0.931266	0.946881
ENSMUSG00000033972	ZFP944	-0.01068	0.123769	0.931265	0.946881
ENSMUSG00000042770	HEBP1	0.011622	0.13462	0.931204	0.946881
ENSMUSG00000013593	NDUFS2	0.012432	0.14459	0.931481	0.947043
ENSMUSG00000028176	LRRC7	0.020499	0.241095	0.932243	0.947704
ENSMUSG00000033615	CPLX1	-0.03942	0.463323	0.932196	0.947704
ENSMUSG00000111662	GM7435	0.028507	0.338396	0.932863	0.948278
ENSMUSG00000028973	ABCB8	-0.01455	0.173271	0.933065	0.948426
ENSMUSG00000035773	KISS1R	0.032618	0.389705	0.933295	0.948547
ENSMUSG00000036206	SH3BP4	-0.00846	0.101045	0.933295	0.948547
ENSMUSG00000029919	HPGDS	-0.0368	0.440121	0.933367	0.948563
ENSMUSG00000101959	LDHAL6B	-0.04392	0.527325	0.933618	0.948647
ENSMUSG00000038502	PTOV1	-0.018	0.216271	0.933682	0.948655
ENSMUSG00000029221	SLC30A9	0.018143	0.219246	0.934049	0.948913
ENSMUSG00000081378	RPS13-PS4	0.057648	0.697207	0.934103	0.948913
ENSMUSG00000109586	GM6853	0.041224	0.498418	0.934083	0.948913
ENSMUSG00000027082	TFPI	-0.01153	0.140161	0.934415	0.949116
ENSMUSG00000044424	GM9493	0.053454	0.649304	0.934389	0.949116
ENSMUSG00000025939	UBE2W	-0.0091	0.111337	0.934824	0.949474
ENSMUSG00000031138	F9	0.051978	0.636274	0.934893	0.949474
ENSMUSG00000091563	GM8108	-0.05635	0.690286	0.934935	0.949474
ENSMUSG00000099032	TCF24	0.02818	0.347135	0.935301	0.949789
ENSMUSG00000098404	MRIP-PS	0.0238	0.295621	0.935834	0.950273
ENSMUSG00000032602	SLC25A20	0.009443	0.117429	0.935905	0.950289
ENSMUSG00000024505	DTWD2	0.012851	0.160141	0.936038	0.950367
ENSMUSG00000020053	IGF1	-0.01808	0.227941	0.936773	0.951056
ENSMUSG00000000805	CAR4	-0.02013	0.257833	0.937762	0.951818
ENSMUSG00000024597	SLC12A2	0.009086	0.116278	0.937714	0.951818
ENSMUSG00000044201	CDC25C	-0.10799	1.383986	0.937803	0.951818
ENSMUSG00000053897	SLC39A8	-0.01971	0.254493	0.938265	0.952229
ENSMUSG00000030546	PLIN1	-0.0369	0.477232	0.938363	0.952272
ENSMUSG00000078808	VMN1R58	-0.02949	0.38307	0.938636	0.952493
ENSMUSG00000029528	PXN	-0.0114	0.148595	0.938851	0.952653
ENSMUSG00000006288	TTC5	-0.00995	0.130474	0.939215	0.952966
ENSMUSG00000101939	GM28438	-0.02607	0.342213	0.939277	0.952972
ENSMUSG00000050830	VWC2	0.071075	0.934123	0.93935	0.952989
ENSMUSG00000074479	GM10704	-0.10391	1.369424	0.939514	0.953098
ENSMUSG00000015854	CD5L	-0.05201	0.692388	0.940118	0.953654
ENSMUSG00000024187	FAM234A	-0.00643	0.086161	0.940531	0.954017
ENSMUSG00000057147	DPH6	0.009841	0.132416	0.940756	0.954187
ENSMUSG00000031509	1700016D06RI	0.034457	0.465882	0.941042	0.95442

ENSMUSG00000011263	EXOC3L2	-0.01732	0.235005	0.941248	0.954573
ENSMUSG00000028715	CYP4A14	0.034261	0.469606	0.941841	0.955116
ENSMUSG000000107990	GM7890	0.03257	0.447297	0.941954	0.955174
ENSMUSG00000033054	NPAT	0.010292	0.141491	0.942011	0.955175
ENSMUSG00000048905	4930539E08RII	0.014414	0.203203	0.943451	0.956578
ENSMUSG00000008540	MGST1	-0.0149	0.212157	0.943994	0.957026
ENSMUSG00000055730	CES2A	-0.09016	1.283651	0.944006	0.957026
ENSMUSG00000025226	FBXL15	-0.01025	0.146634	0.944264	0.957231
ENSMUSG00000089876	TMEM102	0.01889	0.273691	0.944976	0.957895
ENSMUSG00000025779	LY96	-0.01301	0.189457	0.94527	0.958107
ENSMUSG00000073293	NUDT10	0.01483	0.216133	0.945297	0.958107
ENSMUSG00000073207	CCDC160	0.032175	0.474268	0.945912	0.958672
ENSMUSG00000035696	RNF38	0.009167	0.135613	0.946108	0.958814
ENSMUSG00000079184	MPHOSPH8	0.007987	0.118448	0.946241	0.958891
ENSMUSG00000073403	GM10499	0.023032	0.34449	0.946694	0.959293
ENSMUSG000000108673	GM44922	-0.03084	0.464756	0.947091	0.959523
ENSMUSG00000090110	CMC4	-0.00914	0.140277	0.948069	0.960457
ENSMUSG00000064177	GHRL	0.0186	0.28626	0.948194	0.960527
ENSMUSG00000001948	SPA17	-0.01106	0.171997	0.94873	0.960955
ENSMUSG00000032419	TBX18	-0.01561	0.242615	0.948702	0.960955
ENSMUSG00000027177	HIPK3	0.008574	0.133519	0.948798	0.960967
ENSMUSG00000038954	SUPT3	-0.00944	0.147389	0.948924	0.961036
ENSMUSG00000003378	GRIK5	0.010091	0.158429	0.949213	0.961272
ENSMUSG00000039954	STK32A	-0.01504	0.236387	0.949286	0.961289
ENSMUSG00000018659	PNPO	-0.00565	0.08905	0.949411	0.961358
ENSMUSG00000097979	GM4691	0.015616	0.246473	0.949483	0.961373
ENSMUSG00000036242	ARMH4	0.017986	0.285169	0.949711	0.961489
ENSMUSG00000044367	SLC16A13	-0.01916	0.303796	0.949708	0.961489
ENSMUSG00000078184	RBM8A2	0.036138	0.578485	0.950189	0.961916
ENSMUSG00000091619	GM3625	0.018161	0.293086	0.950592	0.962267
ENSMUSG00000016024	LBP	-0.01243	0.201342	0.950784	0.962404
ENSMUSG00000037697	DDHD1	-0.00628	0.102088	0.950949	0.962514
ENSMUSG00000013483	CARD14	0.025872	0.423258	0.951259	0.962655
ENSMUSG00000046440	GM5564	0.024908	0.406549	0.951147	0.962655
ENSMUSG00000079071	GM14085	-0.07736	1.264788	0.951225	0.962655
ENSMUSG000000107677	OLFR316	0.028948	0.474466	0.95135	0.962689
ENSMUSG00000025270	ALAS2	0.027896	0.458288	0.951463	0.962746
ENSMUSG00000062687	CKS1BRT	-0.03691	0.609849	0.951733	0.962962
ENSMUSG00000031805	JAK3	-0.00607	0.100819	0.951968	0.963085
ENSMUSG00000049797	OLFR642	-0.03181	0.527879	0.951945	0.963085
ENSMUSG00000050890	PDIK1L	0.009061	0.156376	0.953794	0.964875
ENSMUSG00000040329	IL7	-0.02524	0.436342	0.95388	0.964905
ENSMUSG00000027956	TMEM144	-0.00696	0.121389	0.954273	0.96513
ENSMUSG00000079637	RHOX2C	0.06592	1.147313	0.954182	0.96513
ENSMUSG000000111307	ENSMUSG000C	0.080152	1.397413	0.954261	0.96513
ENSMUSG00000059734	NDUFS8	-0.00685	0.121772	0.955159	0.965968
ENSMUSG00000045107	SAYS1	-0.0074	0.131971	0.955259	0.966012
ENSMUSG00000037791	PHF12	-0.00644	0.115636	0.955598	0.966297
ENSMUSG00000028256	ODF2L	-0.00857	0.154784	0.955871	0.96648
ENSMUSG00000058076	SDHC	-0.00867	0.156792	0.955892	0.96648

ENSMUSG00000095401	OLFR804	0.01	0.181545	0.956072	0.966603
ENSMUSG00000028444	CNTFR	0.014843	0.270498	0.95624	0.966716
ENSMUSG00000020752	RECQL5	0.006435	0.117842	0.956454	0.966875
ENSMUSG00000054720	LRR8C	-0.0081	0.14994	0.956896	0.967264
ENSMUSG00000029231	PDGFRA	-0.0064	0.119802	0.957387	0.96754
ENSMUSG00000063439	B9D2	0.006504	0.121465	0.957294	0.96754
ENSMUSG00000073607	GM10548	0.024009	0.450031	0.957453	0.96754
ENSMUSG00000038527	C1RL	0.011843	0.223282	0.957701	0.967701
ENSMUSG00000079685	ULBP1	-0.01414	0.266751	0.957727	0.967701
ENSMUSG00000038368	FOCAD	-0.00972	0.186297	0.958374	0.968297
ENSMUSG00000027466	RBC1	0.004522	0.086851	0.958476	0.968342
ENSMUSG000000103953	GM29718	0.019038	0.367341	0.958668	0.968478
ENSMUSG00000005718	TFAP4	-0.00895	0.172964	0.95873	0.968484
ENSMUSG00000038459	ABHD17C	0.006445	0.125215	0.958947	0.968645
ENSMUSG00000022808	SNX4	-0.00443	0.086445	0.959108	0.96875
ENSMUSG00000070323	MMP27	-0.02093	0.410114	0.959301	0.968888
ENSMUSG00000027581	STMN3	0.02831	0.56552	0.960074	0.969611
ENSMUSG00000056436	CYCT	0.063847	1.278423	0.960169	0.969649
ENSMUSG00000049734	TREX1	0.00562	0.113008	0.960333	0.969757
ENSMUSG00000023919	CENPQ	-0.00614	0.123884	0.960448	0.969816
ENSMUSG00000026000	LANCL1	-0.00588	0.119166	0.96066	0.969972
ENSMUSG00000020953	COCH	0.023662	0.483502	0.960967	0.970224
ENSMUSG00000017734	DBNDD2	0.00579	0.11856	0.961049	0.970249
ENSMUSG00000018882	MRPL45	0.008548	0.17603	0.961272	0.970399
ENSMUSG00000024580	GRPEL2	0.007266	0.150004	0.961369	0.970399
ENSMUSG00000033355	RTP4	-0.00619	0.127718	0.961358	0.970399
ENSMUSG00000078592	GM4609	0.018106	0.378237	0.961821	0.97074
ENSMUSG000000101391	OLFR1217	0.02501	0.522218	0.961802	0.97074
ENSMUSG00000031534	SMIM19	-0.00674	0.14173	0.962066	0.97093
ENSMUSG00000058692	OLFR846	0.016056	0.338187	0.962133	0.97094
ENSMUSG00000024164	C3	-0.01799	0.383695	0.962596	0.971349
ENSMUSG00000041809	EFHC1	0.017283	0.372795	0.963022	0.971721
ENSMUSG00000026725	TNN	0.018301	0.396395	0.963176	0.971819
ENSMUSG00000045725	PRR15	-0.0133	0.291486	0.963614	0.972203
ENSMUSG00000075133	OLFR1170	0.02419	0.533442	0.963831	0.972364
ENSMUSG00000026279	THAP4	0.007113	0.157223	0.963913	0.972389
ENSMUSG00000039860	SRRM3	-0.0175	0.39119	0.964312	0.972734
ENSMUSG00000081720	GM12391	-0.02134	0.47834	0.964411	0.972776
ENSMUSG00000032028	NXPE2	0.022784	0.513784	0.964629	0.972937
ENSMUSG00000009075	CABP7	0.020078	0.461346	0.965287	0.973544
ENSMUSG00000000171	SDHD	0.006139	0.141624	0.965424	0.973566
ENSMUSG00000026615	EPRS	-0.00442	0.101965	0.965406	0.973566
ENSMUSG00000026679	ENKUR	-0.01297	0.302524	0.965816	0.973845
ENSMUSG00000075062	OLFR1271	-0.01636	0.382427	0.965873	0.973845
ENSMUSG00000096714	OLFR699	0.019845	0.463415	0.965842	0.973845
ENSMUSG00000092086	GM6793	0.018827	0.452493	0.966811	0.974733
ENSMUSG000000111559	AEKR01077154	0.005807	0.14164	0.967295	0.975164
ENSMUSG00000027102	HOXD8	-0.01569	0.383868	0.967392	0.975203
ENSMUSG00000044155	LSM8	0.005523	0.136151	0.96764	0.975396
ENSMUSG00000001127	ARAF	-0.00334	0.082873	0.967839	0.975538

ENSMUSG00000035824	TK2	-0.00535	0.136127	0.968646	0.976236
ENSMUSG00000038462	UQCRFS1	0.004282	0.108786	0.968604	0.976236
ENSMUSG00000033933	VHL	-0.00689	0.175786	0.968731	0.976264
ENSMUSG00000022656	NECTIN3	0.006436	0.16764	0.969375	0.976796
ENSMUSG00000024581	NAPG	0.004724	0.122891	0.969335	0.976796
ENSMUSG00000048330	RIC3	0.008363	0.218492	0.969467	0.976831
ENSMUSG00000025129	PPP1R27	-0.02015	0.536682	0.970048	0.977359
ENSMUSG00000020604	ARSG	0.007663	0.20495	0.970174	0.977428
ENSMUSG00000052632	ASAP2	0.00615	0.16571	0.970397	0.977594
ENSMUSG00000074825	ITPRIPL1	0.00438	0.119103	0.970667	0.977808
ENSMUSG00000034613	PPM1H	-0.00637	0.175792	0.971076	0.978162
ENSMUSG00000051378	KIF18B	0.034405	0.969855	0.971702	0.978734
ENSMUSG00000002500	RPL3L	0.008112	0.235899	0.972567	0.97949
ENSMUSG00000020695	MRC2	0.007156	0.207765	0.972523	0.97949
ENSMUSG00000024561	MBD1	-0.00499	0.151715	0.973758	0.98063
ENSMUSG00000046718	BST2	0.006423	0.196446	0.973916	0.980732
ENSMUSG00000033721	VAV3	0.007074	0.21808	0.974124	0.980815
ENSMUSG00000096822	OLFR344	0.008123	0.249823	0.974061	0.980815
ENSMUSG000000108348	GM42372	0.016589	0.512395	0.974172	0.980815
ENSMUSG00000000759	TUBGCP3	-0.00307	0.095582	0.974378	0.980906
ENSMUSG00000026090	2010300C02RII	0.015236	0.47337	0.974324	0.980906
ENSMUSG00000073158	9030624G23RI	-0.01566	0.496693	0.974849	0.981322
ENSMUSG00000055720	UBL7	-0.00395	0.126583	0.975083	0.9815
ENSMUSG00000025260	HSD17B10	-0.00427	0.139636	0.97563	0.981875
ENSMUSG00000029276	GLMN	0.006123	0.200221	0.975602	0.981875
ENSMUSG00000047515	BC049715	0.009543	0.312049	0.975604	0.981875
ENSMUSG00000024273	2700062C07RII	-0.00425	0.1415	0.976031	0.982163
ENSMUSG00000042607	ASB4	-0.01099	0.365568	0.97601	0.982163
ENSMUSG00000078881	GM14434	0.02957	1.007328	0.976582	0.982659
ENSMUSG00000021918	NEK4	0.004734	0.162606	0.976776	0.982796
ENSMUSG00000023795	PISD-PS2	-0.00576	0.198801	0.976888	0.982851
ENSMUSG00000073591	PCDHB22	0.007923	0.275061	0.977022	0.982926
ENSMUSG00000073000	GM10451	0.010002	0.349145	0.977145	0.982993
ENSMUSG00000078875	GM14419	-0.00832	0.295794	0.977548	0.983339
ENSMUSG00000021023	1110008L16RII	0.003187	0.113979	0.97769	0.983424
ENSMUSG00000051579	TCEAL8	-0.00494	0.178066	0.977857	0.983534
ENSMUSG00000045690	WDR89	0.004614	0.167463	0.97802	0.983639
ENSMUSG00000021999	CPB2	0.010611	0.387586	0.978159	0.983721
ENSMUSG00000040464	GTPBP10	-0.00335	0.124457	0.978543	0.984049
ENSMUSG00000062609	KCNJ15	0.011591	0.433106	0.97865	0.984098
ENSMUSG00000048327	CKAP2L	0.033983	1.279365	0.978809	0.9842
ENSMUSG00000032123	DPAGT1	0.002575	0.097215	0.978871	0.984204
ENSMUSG00000069208	ZFP825	0.002928	0.111001	0.978957	0.984232
ENSMUSG00000075099	OLFR1224-PS1	-0.01022	0.395178	0.979363	0.984582
ENSMUSG00000062031	PGGHG	-0.00435	0.171204	0.979707	0.984869
ENSMUSG00000051235	GEN1	-0.00603	0.241733	0.980095	0.985201
ENSMUSG00000066361	SERPINA3C	-0.01485	0.597417	0.980174	0.985222
ENSMUSG00000070522	GM6505	-0.02942	1.200941	0.980459	0.98542
ENSMUSG00000074403	HIST2H3B	0.02061	0.842646	0.980487	0.98542
ENSMUSG00000024530	PRELID3A	0.008451	0.358052	0.981171	0.986049

ENSMUSG00000032386	TRIP4	-0.00247	0.105801	0.981389	0.98621
ENSMUSG00000032024	CLMP	0.005067	0.22105	0.981712	0.986476
ENSMUSG00000030689	INO80E	0.002685	0.117888	0.981828	0.986534
ENSMUSG00000026787	GAD2	-0.01037	0.457263	0.981902	0.98655
ENSMUSG00000076613	IGHG2B	0.01133	0.501752	0.981984	0.986575
ENSMUSG00000025199	CHUK	-0.00222	0.099589	0.982185	0.98666
ENSMUSG00000083669	GM10169	-0.00736	0.329145	0.982156	0.98666
ENSMUSG00000089790	GM16588	0.00712	0.323555	0.982445	0.986862
ENSMUSG00000020669	SH3YL1	0.005104	0.234732	0.982654	0.986955
ENSMUSG00000078202	NRARP	0.005408	0.24811	0.98261	0.986955
ENSMUSG00000069733	UBE2U	-0.01072	0.500292	0.98291	0.987154
ENSMUSG00000029804	HERC3	-0.00213	0.104718	0.983782	0.987971
ENSMUSG00000028886	EYA3	-0.00227	0.1126	0.983949	0.98808
ENSMUSG00000067064	OLFR1416	0.008923	0.456614	0.984409	0.988441
ENSMUSG00000094588	OLFR898	0.005194	0.266053	0.984424	0.988441
ENSMUSG00000001313	RND2	0.005514	0.29117	0.98489	0.988817
ENSMUSG00000035759	BBS10	0.003801	0.201028	0.984915	0.988817
ENSMUSG00000050751	PGBD5	0.00584	0.315103	0.985213	0.988987
ENSMUSG00000052581	LRRTM4	-0.00766	0.41436	0.985259	0.988987
ENSMUSG00000058254	TSPAN7	-0.00162	0.087282	0.985194	0.988987
ENSMUSG00000069456	RDH16	-0.00467	0.259126	0.985623	0.989294
ENSMUSG00000023000	DHH	-0.00628	0.35438	0.985852	0.989348
ENSMUSG00000004263	ATN1	0.001884	0.113753	0.986784	0.990225
ENSMUSG00000038957	EDC3	0.001772	0.108618	0.986981	0.990364
ENSMUSG00000053293	POM121	-0.00139	0.086228	0.987125	0.99045
ENSMUSG00000013936	MYL2	-0.00204	0.129453	0.98742	0.990643
ENSMUSG00000024083	PJA2	0.001597	0.101576	0.987458	0.990643
ENSMUSG00000031516	DCTN6	-0.00136	0.086758	0.987492	0.990643
ENSMUSG00000061024	RRS1	0.001876	0.121064	0.987635	0.990728
ENSMUSG000000107771	GM8956	-0.00466	0.302529	0.987712	0.990746
ENSMUSG00000044966	FBXO48	0.008553	0.577011	0.988174	0.991151
ENSMUSG00000003354	CCDC65	0.008305	0.569432	0.988363	0.991277
ENSMUSG00000060918	OLFR51	0.007014	0.483068	0.988416	0.991277
ENSMUSG00000073995	GM10604	0.002933	0.208933	0.988801	0.991604
ENSMUSG00000029703	LRWD1	-0.0016	0.114548	0.98888	0.991625
ENSMUSG00000079737	3110001I22RIK	0.002667	0.198223	0.989266	0.991954
ENSMUSG00000057103	NAT8F1	0.003316	0.266092	0.990056	0.992685
ENSMUSG00000070855	OLFR1116	0.002854	0.230346	0.990113	0.992685
ENSMUSG00000070313	A630095E13RII	0.00641	0.525561	0.990268	0.992783
ENSMUSG00000028541	B4GALT2	-0.00155	0.131522	0.990569	0.993025
ENSMUSG00000053110	YAP1	-0.00098	0.083766	0.990653	0.993051
ENSMUSG00000095315	GM10130	-0.00534	0.478922	0.991105	0.993445
ENSMUSG00000050619	ZSCAN29	-0.00125	0.113309	0.991209	0.993461
ENSMUSG000000103749	PCDHGB5	-0.00186	0.168928	0.991238	0.993461
ENSMUSG00000056820	TSNAX	-0.00088	0.082518	0.991515	0.99368
ENSMUSG00000035506	SLC12A8	-0.00228	0.230127	0.992086	0.994194
ENSMUSG00000027684	MECOM	0.001945	0.199462	0.99222	0.99427
ENSMUSG00000091144	PHF11C	0.001862	0.192668	0.992291	0.994282
ENSMUSG00000019539	RCN3	-0.00194	0.206191	0.992481	0.994413
ENSMUSG00000036622	ATP13A2	-0.00084	0.095197	0.992994	0.994869

ENSMUSG00000002280	NARFL	0.000744	0.087615	0.993225	0.995041
ENSMUSG000000028378	PTGR1	-0.00234	0.281494	0.993376	0.995135
ENSMUSG000000050343	OLFR1378	-0.00206	0.269324	0.993897	0.995598
ENSMUSG000000032940	RBM11	0.003985	0.535322	0.994061	0.995703
ENSMUSG000000078238	GM12854	-0.00283	0.386414	0.994149	0.995732
ENSMUSG000000048387	OSR1	-0.00152	0.212265	0.994296	0.995821
ENSMUSG000000038070	CNTLN	0.001801	0.266826	0.994615	0.996082
ENSMUSG000000089774	SLC5A3	0.001188	0.191155	0.995042	0.99645
ENSMUSG000000074264	AMY1	-0.00144	0.243438	0.995272	0.996563
ENSMUSG000000101660	GM18666	-0.01156	1.950577	0.99527	0.996563
ENSMUSG000000036054	SUGP2	0.000624	0.110801	0.995509	0.996741
ENSMUSG000000054986	SEC14L3	-0.00276	0.526907	0.995827	0.997001
ENSMUSG000000001211	AGPAT3	-0.00037	0.08296	0.996472	0.997588
ENSMUSG000000035569	ANKRD11	0.000349	0.082994	0.996643	0.9977
ENSMUSG000000041556	FBXO2	-0.00242	0.63197	0.996946	0.997887
ENSMUSG000000049606	ZFP644	-0.00048	0.123918	0.996931	0.997887
ENSMUSG000000020492	SKA2	0.000456	0.129735	0.997197	0.99802
ENSMUSG000000032278	PAQR5	0.00169	0.47522	0.997162	0.99802
ENSMUSG000000002107	CELF2	-0.00024	0.094355	0.997971	0.998736
ENSMUSG000000033009	OGFOD1	-0.00033	0.135954	0.998088	0.998794
ENSMUSG000000089951	GM14435	-0.00054	0.239331	0.998197	0.998844
ENSMUSG000000014542	CLEC4F	0.000982	0.463366	0.99831	0.998898
ENSMUSG000000055271	9330161L09RIH	-0.00064	0.351338	0.998547	0.999077
ENSMUSG000000022680	PDXDC1	0.000135	0.088446	0.99878	0.999192
ENSMUSG000000041144	DNAH7B	-0.00059	0.379646	0.998756	0.999192
ENSMUSG000000029126	NSG1	-0.00025	0.218936	0.99909	0.999443
ENSMUSG000000015095	FBXW5	5.36E-05	0.084852	0.999496	0.999725
ENSMUSG000000027601	MTFR1	-6.13E-05	0.102344	0.999522	0.999725
ENSMUSG000000027957	SLC35A3	9.08E-05	0.169162	0.999572	0.999725
ENSMUSG000000103897	PCDHGA8	-0.00013	0.259199	0.999607	0.999725
ENSMUSG000000001555	FKBP10	-4.06E-05	0.170253	0.99981	0.999868
ENSMUSG000000040105	PLPP6	9.08E-06	0.102132	0.999929	0.999929