

Ensembl Gene ID	Gene Name	log2(fold change)	p Value	adj. p Value
ENSMUSG00000052234	Epx	-3.031448011	3.05E-81	3.79E-77
ENSMUSG00000072601	Ear1	-3.049117409	2.29E-52	1.42E-48
ENSMUSG00000027073	Prg2	-2.189528323	1.76E-32	7.29E-29
ENSMUSG00000060962	Dmkn	1.186698362	3.18E-26	9.87E-23
ENSMUSG00000056399	Prss34	-1.987427351	2.66E-25	6.61E-22
ENSMUSG00000027072	Prg3	-2.330418743	1.04E-22	2.16E-19
ENSMUSG00000062148	Ear6	-2.781238553	1.83E-22	2.84E-19
ENSMUSG00000072596	Ear2	-2.731865632	1.81E-22	2.84E-19
ENSMUSG00000089715	Cbx6	-1.908662305	3.76E-19	5.19E-16
ENSMUSG00000000359	Rem1	-3.002726149	2.61E-17	3.24E-14
ENSMUSG00000030154	Klrb1f	-1.509393903	2.67E-16	3.02E-13
ENSMUSG00000031150	Ccdc120	5.315063333	3.99E-16	4.13E-13
ENSMUSG00000022037	Clu	2.951984276	7.62E-16	6.76E-13
ENSMUSG00000031074	Fgf3	-2.401657835	7.24E-16	6.76E-13
ENSMUSG00000089901	Gm8113	-1.534711816	1.07E-15	8.86E-13
ENSMUSG00000038352	Arl5c	-1.030847451	3.92E-15	3.04E-12
ENSMUSG00000029752	Asns	1.005902404	6.19E-15	4.52E-12
ENSMUSG00000037455	Slc18b1	-4.317150161	6.53E-14	4.51E-11
ENSMUSG00000083773	Gm13394	10.50123013	2.30E-13	1.51E-10
ENSMUSG00000028927	Padi2	-1.457341058	3.45E-13	2.14E-10
ENSMUSG00000035493	Tgfb1	-1.399901835	3.74E-13	2.21E-10
ENSMUSG00000064259	Vmn1r13	1.011659317	8.15E-13	4.60E-10
ENSMUSG00000036172	Cd200r3	-1.957216604	8.97E-13	4.84E-10
ENSMUSG00000026822	Lcn2	1.661308932	6.46E-12	3.34E-09
ENSMUSG00000069516	Lyz2	-1.233913006	7.29E-12	3.62E-09
ENSMUSG00000045658	Pid1	-2.482621246	1.06E-11	5.06E-09
ENSMUSG00000030272	Camk1	-0.757815385	2.09E-11	9.63E-09
ENSMUSG00000002985	ApoE	-1.264336103	3.33E-11	1.48E-08
ENSMUSG00000029521	Chek2	-1.111596729	4.28E-11	1.83E-08
ENSMUSG00000015337	Endog	0.848617245	5.05E-11	2.09E-08
ENSMUSG00000022157	Mcpt8	-1.100134691	1.06E-10	4.26E-08
ENSMUSG00000023909	Paqr4	-1.642388106	1.59E-10	5.97E-08
ENSMUSG00000044734	Serp1b1a	0.76057764	1.57E-10	5.97E-08
ENSMUSG00000019122	Ccl9	0.68206577	1.97E-10	7.18E-08
ENSMUSG00000029223	Uchl1	4.66546592	4.11E-10	1.46E-07
ENSMUSG00000062906	Hdac10	-1.101379217	7.38E-10	2.55E-07
ENSMUSG00000068407	Rnase12	-1.249821078	1.37E-09	4.59E-07
ENSMUSG00000015053	Gata2	-1.267570521	1.49E-09	4.87E-07
ENSMUSG00000042284	Itga1	-1.132052897	1.66E-09	5.28E-07
ENSMUSG00000039001	Rps21	0.650114045	1.88E-09	5.85E-07
ENSMUSG00000028124	Gclm	0.771191442	2.60E-09	7.89E-07
ENSMUSG00000031765	Mt1	0.73177456	4.16E-09	1.23E-06

ENSMUSG00000051748	Wfdc21	1.045745857	4.58E-09	1.32E-06
ENSMUSG00000049422	Chchd10	0.848973368	8.43E-09	2.38E-06
ENSMUSG00000021263	Degs2	2.889918957	9.16E-09	2.53E-06
ENSMUSG00000045942	BC049762	1.308758708	1.12E-08	3.01E-06
ENSMUSG00000053687	Dpep2	-1.678328011	2.84E-08	7.51E-06
ENSMUSG00000035629	Rubcn	-1.019573562	2.96E-08	7.65E-06
ENSMUSG00000029149	Krtcap3	1.312957419	3.13E-08	7.93E-06
ENSMUSG00000048442	Smim5	-1.149101158	3.37E-08	8.37E-06
ENSMUSG00000039611	Tmem246	-5.196185741	4.73E-08	1.15E-05
ENSMUSG00000092345	Gm20503	0.5449932	7.13E-08	1.70E-05
ENSMUSG00000036587	Fut7	-0.70962206	7.53E-08	1.76E-05
ENSMUSG00000033446	Lpar6	-0.726342303	7.82E-08	1.80E-05
ENSMUSG00000063882	Uqcrh	0.434541898	8.42E-08	1.90E-05
ENSMUSG00000066378	Gm10160	-0.879355495	1.21E-07	2.67E-05
ENSMUSG00000041096	Tspyl2	-0.956441164	1.44E-07	3.13E-05
ENSMUSG00000038274	Fau	0.498052091	2.16E-07	4.63E-05
ENSMUSG00000052160	Pld4	-0.879212299	2.23E-07	4.69E-05
ENSMUSG00000001281	Itgb7	-1.342770217	3.25E-07	6.74E-05
ENSMUSG00000046768	Rhoj	1.301621597	3.72E-07	7.57E-05
ENSMUSG00000063506	Arhgap22	-4.430320062	3.79E-07	7.59E-05
ENSMUSG00000009376	Met	-0.883811559	3.98E-07	7.85E-05
ENSMUSG00000086583	Gm15500	0.571142974	4.41E-07	8.56E-05
ENSMUSG00000014599	Csf1	-1.242925738	4.73E-07	9.04E-05
ENSMUSG00000029344	Tpst2	-0.485252975	6.27E-07	0.000118074
ENSMUSG00000056737	Capg	-0.546871805	7.00E-07	0.000129767
ENSMUSG00000052146	Rps10	0.600606656	7.41E-07	0.000135355
ENSMUSG00000048163	Selplg	-0.584059195	7.60E-07	0.000136723
ENSMUSG00000022404	Slc25a17	0.49621244	7.94E-07	0.000140931
ENSMUSG00000029175	Slc35f6	-0.961566568	9.09E-07	0.000159018
ENSMUSG00000058600	Rpl30	0.513952644	9.30E-07	0.000160487
ENSMUSG00000021880	Rnase6	-0.967228054	9.59E-07	0.000163228
ENSMUSG00000061167	Rpl15-ps3	0.458536508	9.85E-07	0.000165382
ENSMUSG00000040026	Saa3	-0.713666683	1.12E-06	0.000185301
ENSMUSG00000025137	Pcyt2	-0.512462734	1.15E-06	0.000187643
ENSMUSG00000084106	Gm6136	0.518285821	1.21E-06	0.000192853
ENSMUSG00000087412	Gm15501	0.457273811	1.20E-06	0.000192853
ENSMUSG00000070803	Cited4	0.691523206	1.35E-06	0.000212223
ENSMUSG00000022105	Rb1	-0.704000455	1.38E-06	0.000215018
ENSMUSG00000063457	Rps15	0.408451581	1.46E-06	0.000224016
ENSMUSG00000078965	Gm12033	1.808474178	1.56E-06	0.000236737
ENSMUSG00000030147	Clec4b1	-1.64895462	1.83E-06	0.000273486
ENSMUSG00000050965	Prkca	-1.793946771	1.95E-06	0.000287635
ENSMUSG00000020323	Prss57	0.627668853	2.30E-06	0.000331874

ENSMUSG00000075702	Selenom	0.561203715	2.29E-06	0.000331874
ENSMUSG00000037905	Bri3bp	0.553844896	2.36E-06	0.000336339
ENSMUSG00000022150	Dab2	1.593825805	2.40E-06	0.000339301
ENSMUSG00000050299	Gm9843	0.46482658	2.45E-06	0.000341126
ENSMUSG00000051378	Kif18b	-0.607645954	2.47E-06	0.000341126
ENSMUSG00000028523	Tctex1d1	0.566805636	2.61E-06	0.000355991
ENSMUSG00000042978	Sbk1	-3.282280717	2.64E-06	0.000356528
ENSMUSG00000011114	Tbrg1	0.512112846	2.85E-06	0.000381163
ENSMUSG00000023032	Slc4a8	0.780247361	3.03E-06	0.000399777
ENSMUSG00000005057	Sh2b2	-0.790305682	3.29E-06	0.000430485
ENSMUSG00000034932	Mrpl54	0.513359225	3.61E-06	0.000462195
ENSMUSG00000057230	Aak1	-1.884302502	3.59E-06	0.000462195
ENSMUSG00000034792	Gna15	-0.751207222	3.69E-06	0.000463444
ENSMUSG00000060419	Rps16-ps2	0.406436488	3.69E-06	0.000463444
ENSMUSG00000031722	Hp	0.406545532	3.80E-06	0.000471923
ENSMUSG00000117141	AC154486.2	-0.729406574	3.97E-06	0.000488118
ENSMUSG00000051517	Arhgef39	-0.501954057	4.21E-06	0.000512098
ENSMUSG00000021024	Psmc6	0.397712663	4.31E-06	0.000514899
ENSMUSG00000028798	Eif3i	0.510852707	4.28E-06	0.000514899
ENSMUSG00000026385	Dbi	0.363556103	4.63E-06	0.000547322
ENSMUSG00000020372	Rack1	0.513841313	4.90E-06	0.00057362
ENSMUSG00000001134	Uxt	0.562213279	5.74E-06	0.000646834
ENSMUSG00000006360	Crip1	-0.816640126	5.58E-06	0.000646834
ENSMUSG00000029863	Casp2	-0.93854527	5.66E-06	0.000646834
ENSMUSG00000055762	Eef1d	0.499178077	5.75E-06	0.000646834
ENSMUSG00000110990	AC137605.1	0.566799921	5.78E-06	0.000646834
ENSMUSG00000037759	Ptger2	-0.877597615	5.84E-06	0.000647467
ENSMUSG00000003355	Fkbp11	0.834356284	5.92E-06	0.000651124
ENSMUSG00000024782	Ak3	-0.520922184	6.28E-06	0.000684522
ENSMUSG00000020077	Srgn	0.610706919	6.53E-06	0.000693383
ENSMUSG00000028378	Ptgr1	0.675339831	6.52E-06	0.000693383
ENSMUSG00000028420	Tmem38b	0.604980339	6.47E-06	0.000693383
ENSMUSG00000033427	Upb1	-2.802423286	6.70E-06	0.000705266
ENSMUSG00000028459	Cd72	-1.101738706	7.16E-06	0.000744664
ENSMUSG00000041754	Trem3	0.578871239	7.25E-06	0.000744664
ENSMUSG00000045868	Gvin1	1.176912171	7.22E-06	0.000744664
ENSMUSG00000061315	Naca	0.458950449	7.34E-06	0.000747308
ENSMUSG00000030427	Lilra6	-2.186754827	7.74E-06	0.000781426
ENSMUSG00000040314	Ctsg	0.567915297	8.10E-06	0.000805875
ENSMUSG00000074863	Platr25	-0.629431947	8.11E-06	0.000805875
ENSMUSG00000024680	Ms4a2	-1.083835484	8.34E-06	0.000822247
ENSMUSG00000078126	Rpl23a-ps3	0.387162849	9.40E-06	0.000919471
ENSMUSG00000061904	Slc25a3	0.444191847	9.78E-06	0.000948653

ENSMUSG00000033382	Trappc8	-0.946127074	9.89E-06	0.000952401
ENSMUSG00000020151	Ptpr	1.098063663	1.00E-05	0.000955317
ENSMUSG00000037563	Rps16	0.396464175	1.04E-05	0.000982616
ENSMUSG00000068129	Cst7	0.496730664	1.07E-05	0.001000393
ENSMUSG00000082809	Gm14150	1.550217736	1.06E-05	0.001000393
ENSMUSG00000024681	Ms4a3	0.562407104	1.08E-05	0.001002366
ENSMUSG00000022708	Zbtb20	-1.624807522	1.11E-05	0.001020187
ENSMUSG00000038178	Slc43a2	-0.885333395	1.14E-05	0.001036934
ENSMUSG00000000693	Loxl3	-1.594974276	1.17E-05	0.001054555
ENSMUSG00000001150	Mcm3ap	0.965416308	1.17E-05	0.001054555
ENSMUSG00000072600	Ear-ps9	-2.481075435	1.18E-05	0.001054555
ENSMUSG00000026921	Egfl7	0.727630326	1.20E-05	0.001061322
ENSMUSG00000081603	Gm14681	0.58333753	1.21E-05	0.001067734
ENSMUSG00000001986	Gria3	-0.580620753	1.32E-05	0.001143316
ENSMUSG00000028159	Dapp1	-0.404198515	1.32E-05	0.001143316
ENSMUSG00000081999	Gm13461	0.493068235	1.33E-05	0.001143316
ENSMUSG00000051177	Plcb1	-0.885716735	1.39E-05	0.001188944
ENSMUSG00000025487	Psmid13	0.36676886	1.50E-05	0.001272164
ENSMUSG00000025364	Pa2g4	0.734076385	1.58E-05	0.001337153
ENSMUSG00000026509	Capn2	-1.416262548	1.66E-05	0.001381426
ENSMUSG00000094257	Ap3s1-ps2	1.970011329	1.65E-05	0.001381426
ENSMUSG00000063229	Ldha	0.572595045	1.95E-05	0.001617494
ENSMUSG00000021948	Prkcd	-0.542425083	1.98E-05	0.001629472
ENSMUSG00000028647	Mycbp	0.481722405	2.03E-05	0.001660156
ENSMUSG00000032480	Dhx30	-0.537079255	2.14E-05	0.0017399
ENSMUSG00000068417	Pnp2	0.646014142	2.26E-05	0.001826529
ENSMUSG00000051373	Plpp7	-1.200583331	2.30E-05	0.001840657
ENSMUSG00000057113	Npm1	0.622487752	2.32E-05	0.001844216
ENSMUSG00000025794	Rpl14	0.348881534	2.54E-05	0.001967883
ENSMUSG00000026458	Ppfia4	-0.943434923	2.53E-05	0.001967883
ENSMUSG00000031749	St3gal2	-1.218932234	2.55E-05	0.001967883
ENSMUSG00000031858	Mau2	-0.485579879	2.55E-05	0.001967883
ENSMUSG00000069682	Gm10275	0.429493289	2.51E-05	0.001967883
ENSMUSG00000060073	Psma3	0.459241928	2.60E-05	0.001996732
ENSMUSG00000022354	Ndufb9	0.356198348	2.64E-05	0.002001699
ENSMUSG00000031309	Rps6ka3	1.709174014	2.63E-05	0.002001699
ENSMUSG00000083669	Gm10169	0.535956866	2.68E-05	0.002019632
ENSMUSG00000028029	Aimp1	0.423824571	2.72E-05	0.002020679
ENSMUSG00000046295	Ankle1	-0.607214071	2.73E-05	0.002020679
ENSMUSG00000050075	Gpr171	-0.541149255	2.70E-05	0.002020679
ENSMUSG00000025630	Hprt	0.409844226	2.78E-05	0.002046483
ENSMUSG00000005506	Celf1	-0.643604374	2.83E-05	0.002064686
ENSMUSG00000004207	Psap	-0.850326913	2.88E-05	0.002078424

ENSMUSG00000107333	Gm43008	0.985136133	2.87E-05	0.002078424
ENSMUSG00000029470	P2rx4	-0.513519667	2.94E-05	0.002112329
ENSMUSG00000020101	Vsir	-0.555782598	3.03E-05	0.00216431
ENSMUSG00000030117	Gdf3	-0.908438659	3.06E-05	0.002170603
ENSMUSG00000004952	Rasa4	-0.578129907	3.17E-05	0.002237845
ENSMUSG00000024659	Anxa1	0.470236218	3.22E-05	0.002256565
ENSMUSG00000086922	Gm13835	0.45771597	3.27E-05	0.002279675
ENSMUSG00000032849	Abcc4	0.62762584	3.34E-05	0.002307792
ENSMUSG00000058638	Zfp110	-0.646105012	3.34E-05	0.002307792
ENSMUSG00000004264	Phb2	0.427848597	3.37E-05	0.002309321
ENSMUSG00000042367	Gjb3	0.985643062	3.60E-05	0.002418024
ENSMUSG00000046006	Gapt	-0.620387392	3.59E-05	0.002418024
ENSMUSG00000061536	Sec22c	0.848177389	3.57E-05	0.002418024
ENSMUSG00000110057	Gm2225	0.568515553	3.56E-05	0.002418024
ENSMUSG00000001062	Vps9d1	-1.08672747	3.63E-05	0.002422354
ENSMUSG00000024137	E4f1	-0.542702039	3.65E-05	0.002425771
ENSMUSG00000033307	Mif	0.506606909	3.70E-05	0.002444817
ENSMUSG00000026281	Dtymk	0.36715815	3.75E-05	0.002461981
ENSMUSG00000024679	Ms4a6d	0.572095094	3.79E-05	0.002474469
ENSMUSG00000027999	Pla2g12a	0.491182747	3.94E-05	0.002559093
ENSMUSG00000024818	Slc25a45	-0.737457105	4.02E-05	0.002599977
ENSMUSG00000058486	Wdr91	-0.838608928	4.20E-05	0.002704135
ENSMUSG00000043483	Gm6863	0.388642737	4.31E-05	0.002727517
ENSMUSG00000059013	Sh2d3c	-0.735042209	4.28E-05	0.002727517
ENSMUSG00000071141	Rpl36a-ps3	0.325877373	4.33E-05	0.002727517
ENSMUSG00000080921	Rpl38-ps2	0.386672971	4.30E-05	0.002727517
ENSMUSG00000070493	Chchd2	0.333509355	4.45E-05	0.002781868
ENSMUSG00000100755	Rps23-ps1	0.349201793	4.46E-05	0.002781868
ENSMUSG00000035443	Thyn1	0.401755999	4.51E-05	0.002798934
ENSMUSG00000020732	Rab37	-0.817422766	4.54E-05	0.002802589
ENSMUSG00000044424	Gm9493	0.393522854	4.58E-05	0.002803192
ENSMUSG00000080848	Gm9385	0.45475746	4.57E-05	0.002803192
ENSMUSG00000041801	Phlda3	-1.448832813	4.68E-05	0.002851274
ENSMUSG00000050335	Lgals3	-0.716808908	4.71E-05	0.002855104
ENSMUSG00000020520	Galnt10	-0.519961193	4.74E-05	0.002857948
ENSMUSG00000040112	Mrps35	0.464009311	4.83E-05	0.002897596
ENSMUSG00000073640	Rpl27-ps3	0.459200506	5.01E-05	0.002992987
ENSMUSG00000007892	Rplp1	0.318292708	5.13E-05	0.003029165
ENSMUSG00000026914	Psm14	0.358086797	5.15E-05	0.003029165
ENSMUSG00000079478	Sssca1	0.520921291	5.14E-05	0.003029165
ENSMUSG00000039640	Mrpl12	0.388753364	5.19E-05	0.003031517
ENSMUSG00000045455	Gm9797	0.388828255	5.20E-05	0.003031517
ENSMUSG00000024777	Ppp2r5b	-1.188073195	5.37E-05	0.003117055

ENSMUSG00000028936	Rpl22	0.446245327	5.44E-05	0.003128489
ENSMUSG00000038510	Rpf2	0.401039629	5.44E-05	0.003128489
ENSMUSG00000022338	Eny2	0.408437043	5.56E-05	0.003182505
ENSMUSG00000061731	Ext1	-0.882979753	5.78E-05	0.003292641
ENSMUSG00000021710	Nln	0.723744498	6.02E-05	0.003390555
ENSMUSG00000027165	B230118H07Rik	0.42266671	6.09E-05	0.003390555
ENSMUSG00000030647	Ndufc2	0.370239605	6.09E-05	0.003390555
ENSMUSG00000053483	Usp21	-0.532506365	6.05E-05	0.003390555
ENSMUSG00000057388	Mrpl18	0.370124872	6.04E-05	0.003390555
ENSMUSG00000021660	Btf3	0.542885288	6.20E-05	0.003439259
ENSMUSG00000000078	Klf6	-0.55506239	6.27E-05	0.003458871
ENSMUSG00000016494	Cd34	-0.610556965	6.31E-05	0.003466954
ENSMUSG00000024084	Qpct	-0.898479387	6.37E-05	0.00346863
ENSMUSG00000041977	Arhgef11	-1.339212175	6.35E-05	0.00346863
ENSMUSG00000081406	Rps6-ps4	0.341476765	6.41E-05	0.003476763
ENSMUSG00000021254	Gpatch2l	-0.619240604	6.57E-05	0.003550362
ENSMUSG00000029446	Psph	0.45327385	6.96E-05	0.003740564
ENSMUSG00000038718	Pbx3	-1.381240413	7.06E-05	0.003781544
ENSMUSG00000053113	Socs3	3.272357086	7.19E-05	0.003834749
ENSMUSG00000085342	Gm12254	0.500796798	7.29E-05	0.003867295
ENSMUSG00000026492	Tfb2m	0.417891108	7.43E-05	0.003925399
ENSMUSG00000025762	Larp1b	1.52708819	7.47E-05	0.003930843
ENSMUSG00000021575	Ahrr	-2.13438664	7.54E-05	0.003950925
ENSMUSG00000018821	Avpi1	0.554531398	7.61E-05	0.003955869
ENSMUSG00000062713	Sim2	2.2213002	7.61E-05	0.003955869
ENSMUSG00000070501	Ifi214	-0.846495059	7.72E-05	0.003997858
ENSMUSG00000008333	Snrpb2	0.391897276	8.29E-05	0.004247951
ENSMUSG00000031799	Tpm4	-0.567308448	8.26E-05	0.004247951
ENSMUSG00000067161	Gm5560	1.211011668	8.31E-05	0.004247951
ENSMUSG00000105388	Rpl36a-ps2	0.385860322	8.58E-05	0.004369395
ENSMUSG00000006333	Rps9	0.397052909	8.65E-05	0.004385249
ENSMUSG00000061477	Rps7	0.377897907	8.70E-05	0.004395033
ENSMUSG00000004730	Adgre1	-1.171855345	8.82E-05	0.004418143
ENSMUSG00000025950	ldh1	-0.4773549	8.86E-05	0.004418143
ENSMUSG00000036006	Ripor2	-0.626432303	8.84E-05	0.004418143
ENSMUSG00000019699	Akt3	2.699633949	9.17E-05	0.004555146
ENSMUSG00000031586	Rbpms	-0.853638233	9.23E-05	0.00456801
ENSMUSG00000006611	Hfe	0.50203253	9.45E-05	0.004660303
ENSMUSG00000078713	Tomm5	0.42082245	9.58E-05	0.004703854
ENSMUSG00000092358	Gm20430	0.429142888	9.72E-05	0.004750931
ENSMUSG00000031381	Piga	0.676784355	9.76E-05	0.004753696
ENSMUSG00000030711	Sult1a1	-0.941462058	9.80E-05	0.004756529
ENSMUSG00000037646	Vps13b	-0.966695809	0.000101687	0.004914588

ENSMUSG00000021143	Pacs2	-0.884031066	0.000103507	0.004983183
ENSMUSG00000017417	Plxdc1	-1.309523469	0.000108899	0.005144531
ENSMUSG00000025330	Padi4	-0.748784995	0.00010788	0.005144531
ENSMUSG00000025508	Rplp2	0.375003047	0.000108637	0.005144531
ENSMUSG00000049643	2310022A10Rik	-0.619072601	0.000108929	0.005144531
ENSMUSG00000052192	Gm5963	0.695335424	0.000107389	0.005144531
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ENSMUSG00000055675	Kbtbd11	-0.06939905	0.000114551	0.005372067
ENSMUSG00000022587	Ly6e	-0.418162271	0.000116971	0.005462005
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ENSMUSG00000026854	Usp20	-0.883126787	0.000121654	0.005596536
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ENSMUSG00000060477	Irak2	-0.997897433	0.000123816	0.005654103
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ENSMUSG00000034156	Tspoap1	-0.703696022	0.000128833	0.005819016
ENSMUSG00000031633	Slc25a4	0.330481532	0.000132068	0.005943547
ENSMUSG00000029994	Anxa4	-0.582961373	0.000133455	0.00598427
ENSMUSG00000024947	Men1	-0.577496463	0.00013502	0.006011052
ENSMUSG00000053286	Trmt1l	-0.396411954	0.000134667	0.006011052
ENSMUSG00000062647	Rpl7a	0.660143924	0.000136495	0.006055005
ENSMUSG00000020267	Hint1	0.319541908	0.000137881	0.006094718
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ENSMUSG00000041112	Elmo1	-0.369454909	0.000142834	0.006181668
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ENSMUSG00000024397	Aif1	-1.061383669	0.000151163	0.006430127
ENSMUSG00000032380	Dapk2	-1.892352339	0.000152447	0.006462602
ENSMUSG00000059040	Eno1b	0.886625957	0.000153962	0.006504652
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ENSMUSG00000033845	Mrpl15	0.349138099	0.000160485	0.006592406
ENSMUSG00000081094	Rpl19-ps11	0.358054174	0.000160358	0.006592406
ENSMUSG00000024426	Atat1	-0.816819387	0.00016148	0.006597832
ENSMUSG00000010057	Nprl2	-0.457557911	0.000163172	0.006623377
ENSMUSG00000084113	Gm14277	0.537274346	0.000162922	0.006623377
ENSMUSG00000078485	Plekhn1	-0.539423549	0.00016536	0.00669036
ENSMUSG00000026701	Prdx6	0.32480475	0.000166105	0.00669867
ENSMUSG00000032369	Plscr1	0.577082286	0.000169143	0.006799105
ENSMUSG00000055296	Tmem245	-0.506837309	0.00017275	0.006921684
ENSMUSG00000028467	Gba2	-0.729590186	0.000174544	0.006971103
ENSMUSG00000089942	Pira2	-1.740209391	0.000175751	0.00699681
ENSMUSG00000022913	Psmg1	0.420120901	0.000176981	0.00702149
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ENSMUSG00000018340	Anxa6	-0.467788647	0.000178743	0.007048141
ENSMUSG00000024824	Rad9a	-0.353913944	0.000180884	0.00711002
ENSMUSG00000024382	Ercc3	0.515667006	0.000182025	0.007123086
ENSMUSG00000032855	Pkd1	-0.97901525	0.000182364	0.007123086
ENSMUSG00000049751	Rpl36a1	0.306392113	0.000185902	0.007193422
ENSMUSG00000057729	Prtn3	0.409024784	0.000185188	0.007193422
ENSMUSG00000083364	Llph-ps2	0.417848448	0.000185693	0.007193422
ENSMUSG00000074656	Eif2s2	0.473513844	0.0001867	0.007201862
ENSMUSG00000025377	Tepsin	-0.64710286	0.000190668	0.007287031
ENSMUSG00000025907	Rb1cc1	-0.384544831	0.000190322	0.007287031
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ENSMUSG00000024276	Zfp397	-0.478960458	0.000193092	0.007319305
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ENSMUSG00000082064	Rpl5-ps2	1.691356409	0.000193243	0.007319305
ENSMUSG00000036555	lqce	-0.682808477	0.000195854	0.007394228
ENSMUSG00000038965	Ube2l3	0.345832888	0.000199796	0.007520204
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ENSMUSG00000029066	Mrpl20	0.395821683	0.000204387	0.007578194
ENSMUSG00000030144	Clec4d	0.679579557	0.000203401	0.007578194
ENSMUSG00000038608	Dock10	-0.455432195	0.000203781	0.007578194
ENSMUSG00000052031	Tagap1	-0.565936396	0.000203577	0.007578194
ENSMUSG00000042354	Gnl3	0.407330598	0.000207276	0.007653473
ENSMUSG00000069972	Rps13-ps2	0.475218047	0.00020765	0.007653473
ENSMUSG00000069622	Gm10273	0.390318197	0.000211297	0.007764839
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ENSMUSG00000083022	Rps15a-ps6	0.642101508	0.000214639	0.007818257
ENSMUSG00000022974	Paxbp1	-0.542894404	0.000216931	0.007878671
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ENSMUSG00000046721	Rpl14-ps1	0.329189087	0.000224311	0.008099334
ENSMUSG00000098274	Rpl24	0.462257782	0.000229131	0.008249377
ENSMUSG00000042249	Grk3	-0.645859197	0.000237408	0.008522662
ENSMUSG00000030214	Plbd1	-1.629608589	0.000241533	0.008632907
ENSMUSG00000031762	Mt2	1.655901883	0.000242378	0.008632907
ENSMUSG00000031875	Cmtm3	-0.481787095	0.000242564	0.008632907
ENSMUSG00000020682	Mmp28	-0.629204513	0.000243846	0.008653734
ENSMUSG00000116620	Gm4828	1.193346163	0.000246914	0.008737662
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ENSMUSG00000038323	1700066M21Rik	0.670594354	0.000252835	0.008896514
ENSMUSG00000012848	Rps5	0.35090323	0.00025517	0.008953307
ENSMUSG00000028060	Khdc4	-0.397630313	0.000257418	0.008981422
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ENSMUSG00000022761	Lztr1	-0.328967731	0.00026457	0.009144517
ENSMUSG00000029816	GpnmB	2.120049992	0.000265037	0.009144517
ENSMUSG00000030630	Fah	2.772100516	0.000264099	0.009144517
ENSMUSG00000005339	Fcer1a	-0.913993003	0.000266975	0.009185862
ENSMUSG00000062867	Impdh2	0.428721408	0.000268313	0.009206392
ENSMUSG00000032845	Alpk2	-0.427111095	0.000271241	0.009255993
ENSMUSG00000081051	Gm15427	0.775907125	0.000271249	0.009255993
ENSMUSG00000060636	Rpl35a	0.408300148	0.000272984	0.009289682
ENSMUSG00000048758	Rpl29	0.423893343	0.000274517	0.009316312
ENSMUSG00000039759	Thap3	-0.446170353	0.000275323	0.009318211
ENSMUSG00000020386	Sar1b	0.369352649	0.000282448	0.009481842
ENSMUSG00000046314	Stxbp6	-1.186035153	0.00028216	0.009481842
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ENSMUSG00000019820	Utrn	-0.609039061	0.00028914	0.009680351
ENSMUSG00000021606	Ndufs6	0.333168033	0.00029023	0.00969073
ENSMUSG00000034177	Rnf43	-1.236932686	0.000294008	0.009770778
ENSMUSG00000042594	Sh2b3	-0.73069656	0.000294201	0.009770778
ENSMUSG00000032740	Ccdc88a	-0.681983648	0.000297408	0.009850962
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ENSMUSG00000035392	Dennd1a	-0.779133778	0.000300355	0.009895789
ENSMUSG00000006095	Tbcb	0.362048585	0.00030526	0.010024171
ENSMUSG00000030223	Ptpro	-0.905514333	0.000305866	0.010024171
ENSMUSG00000069833	Ahnak	-0.745147108	0.000306878	0.010030865
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ENSMUSG00000032175	Tyk2	-0.389224265	0.000308909	0.010038931
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ENSMUSG00000028015	Ctso	-0.40291788	0.000315846	0.010189933
ENSMUSG00000037787	Apopt1	0.320097363	0.000320435	0.010311215

ENSMUSG00000032518	Rpsa	0.430887363	0.000334109	0.010723433
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ENSMUSG00000027333	Smox	-0.882009896	0.000343633	0.010944275
ENSMUSG00000040351	Ankib1	-0.514853482	0.000343497	0.010944275
ENSMUSG00000039195	1110008P14Rik	0.427236952	0.000345304	0.010969349
ENSMUSG00000049517	Rps23	0.336931773	0.00034968	0.011080023
ENSMUSG00000038967	Pdk2	-0.999351535	0.000352058	0.011116584
ENSMUSG00000063021	Hist1h2ak	0.709935803	0.000352623	0.011116584
ENSMUSG00000019872	Smpdl3a	-0.476171349	0.000354101	0.011130654
ENSMUSG00000021665	Hexb	-0.383732924	0.000363147	0.011130654
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ENSMUSG00000029199	Lias	0.439324238	0.000358264	0.011130654
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ENSMUSG00000024589	Nedd4l	-0.512017654	0.00036504	0.011140368
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ENSMUSG00000075592	Nynrin	-1.107715826	0.000367561	0.011162538
ENSMUSG00000029385	Ccng2	-0.651620336	0.000368489	0.011163428
ENSMUSG00000034245	Hdac11	-0.051043794	0.000375859	0.011358993
ENSMUSG00000039577	Nphp4	-1.503146334	0.000379744	0.011432685
ENSMUSG00000071415	Rpl23	0.391371074	0.000380138	0.011432685
ENSMUSG00000040472	Rabggta	-0.35613089	0.000381336	0.011441006
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ENSMUSG00000019528	Gyg	0.546189594	0.00038661	0.011515773
ENSMUSG00000042129	Rassf4	-0.370053487	0.000386247	0.011515773
ENSMUSG00000036751	Cox6b1	0.286088367	0.000388074	0.011531732
ENSMUSG00000004568	Arhgef18	-0.734492036	0.000390418	0.01157371
ENSMUSG00000028081	Rps3a1	0.403423507	0.00039766	0.011752391
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ENSMUSG00000005871	Apc	0.70591643	0.000400111	0.011776716
ENSMUSG00000082768	Gm12727	1.640770093	0.000409105	0.012012994
ENSMUSG00000036528	Ppfibp2	-0.67086906	0.000413837	0.012123287
ENSMUSG00000041453	Rpl21	0.341334766	0.000425371	0.01243184
ENSMUSG00000068917	Clk2	-0.482418879	0.000427589	0.012467325
ENSMUSG00000028837	Psmb2	0.311985599	0.000429993	0.012483788
ENSMUSG00000067847	Romo1	0.321565946	0.000430164	0.012483788
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ENSMUSG00000040687	Madd	-0.480476448	0.000434089	0.012515002
ENSMUSG00000060036	Rpl3	0.399253873	0.000433779	0.012515002
ENSMUSG00000049625	Tifab	-0.553690853	0.000439265	0.012629898
ENSMUSG00000068749	Psma5	0.347752525	0.000441146	0.012654662
ENSMUSG00000043065	Spice1	-0.646748003	0.000448407	0.01283333
ENSMUSG00000034453	Polr3b	0.687795506	0.000464718	0.013269572
ENSMUSG00000024913	Lrp5	-0.845325696	0.000467196	0.013309722
ENSMUSG00000023068	Nus1	0.379854503	0.00047528	0.013501713
ENSMUSG00000030747	Dgat2	0.888559911	0.000477129	0.013501713
ENSMUSG00000037649	H2-DMa	-0.463778766	0.000477196	0.013501713
ENSMUSG00000090137	Uba52	0.285420919	0.000481087	0.013580874
ENSMUSG00000013089	Etv5	1.484799589	0.000485204	0.013637334
ENSMUSG00000026893	Gca	0.598926787	0.000485283	0.013637334
ENSMUSG00000015672	Mrpl32	0.311497553	0.000493965	0.013849969
ENSMUSG00000053565	Eif3k	0.416154151	0.000496412	0.013887235
ENSMUSG00000028431	Elp1	0.759985897	0.000498815	0.013891884
ENSMUSG00000081344	Gm14303	0.273827232	0.000497958	0.013891884
ENSMUSG00000010051	Hyal1	-0.65671531	0.000502482	0.01393154
ENSMUSG00000057191	AB124611	0.405020188	0.000502218	0.01393154
ENSMUSG00000021018	Polr2h	0.351713517	0.000506331	0.014004488
ENSMUSG00000035505	Cox18	0.384908024	0.000508394	0.014004488
ENSMUSG00000095597	Gm6472	0.398249476	0.000508496	0.014004488
ENSMUSG00000009995	Taz	-0.422250613	0.000514835	0.014147705
ENSMUSG00000030851	Ldhc	-0.886925653	0.000517357	0.014178797
ENSMUSG00000048007	Timm8a1	0.41609902	0.000518249	0.014178797
ENSMUSG00000030788	Rnf141	0.560498229	0.000531566	0.014511179
ENSMUSG00000090862	Rps13	0.500242515	0.000536702	0.014619248
ENSMUSG00000022193	Psmb5	0.45750738	0.000543987	0.01478525
ENSMUSG00000011158	Brf1	-0.483047827	0.000545624	0.014797359
ENSMUSG00000026113	Inpp4a	-0.744014985	0.000550257	0.014890503
ENSMUSG00000071644	Eef1g	0.494383736	0.000557859	0.015063406
ENSMUSG00000022671	Mzt2	0.405105864	0.000562231	0.015148539
ENSMUSG00000018924	Alox15	-0.170744022	0.000563596	0.015152424
ENSMUSG00000025239	Limd1	-0.717705888	0.000568693	0.015256444
ENSMUSG00000021147	Wdr37	-0.711381346	0.000576685	0.015371253
ENSMUSG00000027076	Timm10	0.327939841	0.000575343	0.015371253
ENSMUSG00000036931	Nfkbid	-0.548203597	0.000576661	0.015371253
ENSMUSG00000020857	Nme2	0.379360707	0.000578891	0.015397001
ENSMUSG00000095588	Gm12350	0.31614049	0.000581454	0.015432125
ENSMUSG00000028522	Mier1	0.533399517	0.000593528	0.015599109
ENSMUSG00000047260	Emc6	0.348999101	0.00059107	0.015599109
ENSMUSG00000059479	B3gnt8	-0.585491102	0.000591052	0.015599109
ENSMUSG00000060601	Nr1h2	-0.605539156	0.000591659	0.015599109

ENSMUSG00000081926	Gm15536	0.446024743	0.000594025	0.015599109
ENSMUSG00000036764	Dnajc12	0.345587071	0.000601404	0.015726392
ENSMUSG00000078941	Ak6	0.355636093	0.000601165	0.015726392
ENSMUSG00000002477	Snrpd1	0.362344068	0.000614473	0.016000776
ENSMUSG00000058546	Rpl23a	0.346779841	0.000613588	0.016000776
ENSMUSG00000053398	Phgdh	0.303501698	0.000615837	0.016002737
ENSMUSG00000023861	Mpc1	0.364938251	0.000617215	0.016005061
ENSMUSG00000083061	Gm12191	0.464659843	0.000624464	0.016159308
ENSMUSG00000010110	Stx5a	-0.389026682	0.00062607	0.016167176
ENSMUSG00000026234	Ncl	0.669972811	0.000630039	0.016235924
ENSMUSG00000024997	Prdx3	0.401365931	0.000634575	0.016318946
ENSMUSG00000084349	Rpl3-ps1	0.414551663	0.000635894	0.016319081
ENSMUSG00000001865	Cpa3	-0.722049983	0.000637428	0.016324739
ENSMUSG00000003308	Keap1	-0.411148283	0.000641232	0.016354707
ENSMUSG00000076437	Selenoh	0.281020312	0.000640807	0.016354707
ENSMUSG00000003955	Fam162a	0.326818178	0.000659236	0.016779439
ENSMUSG00000034317	Trim59	-0.448387225	0.000662799	0.016835627
ENSMUSG00000001065	Zfp276	-0.625413129	0.000681413	0.017073353
ENSMUSG00000023456	Tpi1	0.390300944	0.000676314	0.017073353
ENSMUSG00000027108	Ola1	0.447101013	0.00068178	0.017073353
ENSMUSG00000030744	Rps3	0.31323461	0.000679771	0.017073353
ENSMUSG00000041857	Oosp1	0.870627143	0.000680759	0.017073353
ENSMUSG00000047126	Cltc	0.831252197	0.000674792	0.017073353
ENSMUSG00000076617	Ighm	-0.600144164	0.000679083	0.017073353
ENSMUSG00000019301	Hsd17b1	0.475592479	0.000694713	0.017362228
ENSMUSG00000036478	Btg1	-0.51184229	0.000698678	0.017426255
ENSMUSG00000107176	Gm9794	0.34213352	0.000702426	0.017484635
ENSMUSG00000063193	Cd300lb	-0.949534075	0.000705863	0.017535057
ENSMUSG00000051344	Plekhm3	-0.931165681	0.000708895	0.017575209
ENSMUSG00000011179	Odc1	0.434941425	0.000715949	0.017714751
ENSMUSG00000114797	Gm49336	-0.425187119	0.000725513	0.017915693
ENSMUSG00000036002	Fam214b	-1.046518581	0.000730539	0.017968378
ENSMUSG00000059775	Rps26-ps1	0.310987355	0.000729739	0.017968378
ENSMUSG00000006715	Gmnn	0.282377668	0.000739236	0.018146351
ENSMUSG00000043740	B430306N03Rik	-0.647421273	0.000746159	0.018280148
ENSMUSG00000001120	Pcbp3	-0.812162951	0.000758812	0.018342332
ENSMUSG00000001552	Jup	-1.172286946	0.000759034	0.018342332
ENSMUSG00000026784	Pdss1	0.383541708	0.000754656	0.018342332
ENSMUSG00000028960	Ube4b	0.784487258	0.000753948	0.018342332
ENSMUSG00000036646	Man1b1	-0.538103733	0.000756302	0.018342332
ENSMUSG00000094447	9430069I07Rik	0.507223007	0.000752143	0.018342332
ENSMUSG00000112247	Gm47894	1.700653736	0.000758048	0.018342332
ENSMUSG00000057982	Zfp809	-0.554256064	0.0007607	0.018346897

ENSMUSG00000051355	Commd1	0.391826374	0.000765844	0.018435175
ENSMUSG00000081228	Gm16089	0.404056914	0.000768149	0.018454889
ENSMUSG00000091183	Gm5141	-1.038381144	0.000789643	0.018934659
ENSMUSG00000028792	Ak2	0.375054931	0.000793683	0.018958342
ENSMUSG00000035953	Pip4p1	-0.500811688	0.000793388	0.018958342
ENSMUSG00000061787	Rps17	0.457853565	0.000796242	0.018982968
ENSMUSG00000025480	Syce1	-0.076144478	0.000801286	0.019066616
ENSMUSG00000081967	Gm14017	0.372369433	0.000810796	0.019246711
ENSMUSG00000112567	Gm32899	0.470981172	0.000811954	0.019246711
ENSMUSG00000020089	Ppa1	0.471078408	0.000814782	0.019276959
ENSMUSG00000024359	Hspa9	0.370749901	0.00082338	0.019406457
ENSMUSG00000029153	Ociad2	0.695261882	0.000822666	0.019406457
ENSMUSG00000000538	Tom1l2	-0.739493188	0.000829509	0.019491919
ENSMUSG00000034659	Tmem109	-0.862987882	0.000830145	0.019491919
ENSMUSG00000028952	Zbtb48	-0.593999236	0.000837853	0.019619974
ENSMUSG00000102824	Pdcd5-ps	0.322848081	0.000838757	0.019619974
ENSMUSG00000019738	Polr2i	0.295471255	0.000844005	0.019654617
ENSMUSG00000025316	Banp	-0.672472541	0.000842519	0.019654617
ENSMUSG00000029461	Fam168a	-0.744931436	0.000844986	0.019654617
ENSMUSG00000029060	Mib2	-0.753353704	0.000851524	0.019769677
ENSMUSG00000026519	Tmem63a	-0.569068943	0.000860549	0.019941931
ENSMUSG00000033594	Spata2l	-0.663559598	0.00086337	0.019970064
ENSMUSG00000009035	Tmem184b	-0.72386483	0.000882126	0.020093705
ENSMUSG00000015291	Gdi1	-0.534277371	0.000879322	0.020093705
ENSMUSG00000017404	Rpl19	0.311624432	0.000877631	0.020093705
ENSMUSG00000018381	Abi3	0.940088295	0.000883275	0.020093705
ENSMUSG00000019944	Rhobtb1	-0.772325824	0.000875235	0.020093705
ENSMUSG00000028678	Kif2c	-0.297404333	0.000872935	0.020093705
ENSMUSG00000035697	Arhgap45	-0.406773499	0.00087096	0.020093705
ENSMUSG00000057990	E030024N20Rik	0.957412537	0.000881273	0.020093705
ENSMUSG00000073422	H2-Ke6	-0.296719501	0.00087408	0.020093705
ENSMUSG00000015749	Anp32e	0.316294768	0.000885266	0.020102174
ENSMUSG00000009090	Ap1b1	-0.514294508	0.000899472	0.020387476
ENSMUSG00000022043	Trim35	-0.566320041	0.000902984	0.020429811
ENSMUSG00000025875	Tspan17	-0.709537787	0.000919664	0.020694105
ENSMUSG00000038690	Atp5j2	0.301418323	0.000917203	0.020694105
ENSMUSG00000038722	Bud31	0.276310086	0.000919582	0.020694105
ENSMUSG00000056130	Ticam2	-0.469628158	0.000925709	0.020792459
ENSMUSG00000036469	March1	-1.231033246	0.00092841	0.020815497
ENSMUSG00000005161	Prdx2	0.26419493	0.000936797	0.020927984
ENSMUSG00000024683	Mrpl16	0.323523311	0.000936741	0.020927984
ENSMUSG00000045826	Ptprcap	0.469122558	0.0009433	0.021035419
ENSMUSG00000026435	Slc45a3	-1.038654425	0.000947104	0.021044674

ENSMUSG00000034379	Wdr5b	-0.520259426	0.000946882	0.021044674
ENSMUSG00000030469	Zfp719	-0.836143199	0.000961536	0.021251325
ENSMUSG00000035351	Nup37	0.36300795	0.000958269	0.021251325
ENSMUSG00000040269	Mrps28	0.388693094	0.000960107	0.021251325
ENSMUSG00000030879	Mrpl17	0.319913091	0.000967986	0.021355873
ENSMUSG00000021670	Hmgcr	-0.555260472	0.0009732	0.021424545
ENSMUSG00000047867	Gimap6	-1.20522577	0.000974549	0.021424545
ENSMUSG00000051367	Six1	2.165394151	0.00097755	0.021452554
ENSMUSG00000096726	Gm5558	0.876700241	0.000981985	0.021511877
ENSMUSG00000024013	Fgd2	-0.591053882	0.000986756	0.021544528
ENSMUSG00000048970	C1galt1c1	-0.453940273	0.000986944	0.021544528
ENSMUSG00000041890	Git2	-0.522466084	0.000994951	0.021681215
ENSMUSG00000055041	Commd5	0.415156865	0.000999581	0.021743956
ENSMUSG00000041697	Cox6a1	0.267292031	0.001003616	0.021793549
ENSMUSG00000072082	Ccnf	-0.528891929	0.001022849	0.022172445
ENSMUSG00000033364	Usp37	0.686704475	0.001029042	0.022201359
ENSMUSG00000050147	F2rl3	0.609654371	0.001029255	0.022201359
ENSMUSG00000100863	Gm12669	0.379922083	0.001029545	0.022201359
ENSMUSG00000018651	Tada2a	-0.438568127	0.001032182	0.022219648
ENSMUSG00000068396	Rpl34-ps1	0.360796379	0.00103485	0.022238534
ENSMUSG00000083621	Gm14586	0.471382943	0.001044003	0.022396486
ENSMUSG00000033931	Rbm34	0.423375548	0.001046099	0.022402759
ENSMUSG00000060429	Sntb1	-0.714334319	0.001057296	0.022603575
ENSMUSG00000038909	Kat7	-0.46996081	0.001059815	0.022618482
ENSMUSG00000025190	Got1	0.468213587	0.001066866	0.022713106
ENSMUSG00000110275	Gm5905	0.816871133	0.001067905	0.022713106
ENSMUSG00000062070	Pgk1	0.352883429	0.001071175	0.022743699
ENSMUSG00000032002	Dcun1d5	0.276286028	0.001073779	0.022759565
ENSMUSG00000034892	Rps29	0.265469753	0.001075587	0.022759565
ENSMUSG00000047676	Rpsa-ps10	0.420893189	0.00108454	0.022909982
ENSMUSG00000060938	Rpl26	0.329320587	0.001101469	0.023228093
ENSMUSG00000000730	Dnmt3l	0.93932476	0.001104229	0.023246828
ENSMUSG00000000171	Sdhd	0.271647649	0.001108068	0.02324883
ENSMUSG00000082286	Pisd-ps1	-0.672688968	0.001106635	0.02324883
ENSMUSG00000019854	Reps1	-0.471431996	0.001126936	0.023604842
ENSMUSG00000031388	Naa10	0.335439251	0.001132082	0.023672711
ENSMUSG00000021930	Spryd7	0.698551495	0.001134385	0.023681011
ENSMUSG00000004610	Etfb	0.345281034	0.001139184	0.023741276
ENSMUSG00000030291	Med21	0.424185609	0.001160754	0.024150301
ENSMUSG00000059291	Rpl11	0.337213582	0.001165154	0.024160903
ENSMUSG00000062661	Ncs1	-0.949184686	0.00116371	0.024160903
ENSMUSG00000073940	Hbb-bt	-0.133732148	0.00117151	0.024252207
ENSMUSG00000053510	Nrd1	0.534391988	0.001181327	0.024414752

ENSMUSG00000028383	Hsd12	0.358838664	0.001194135	0.024638458
ENSMUSG00000001034	Mapk7	-0.659562951	0.001196605	0.024648481
ENSMUSG00000027170	Eif3m	0.362629934	0.001200044	0.024678383
ENSMUSG00000034875	Nudt19	0.312135626	0.00120209	0.02467961
ENSMUSG00000066152	Slc31a2	-0.383776821	0.001205186	0.024702334
ENSMUSG00000027203	Dut	0.375164	0.001214292	0.024766378
ENSMUSG00000028741	Mrto4	0.374374555	0.001213183	0.024766378
ENSMUSG00000032892	Rangrf	0.403929232	0.001212051	0.024766378
ENSMUSG00000027878	Notch2	-0.666626917	0.00122142	0.024870317
ENSMUSG00000071379	Hpcal1	-0.293955233	0.001223393	0.024870317
ENSMUSG00000022701	Ccdc191	-0.420637902	0.001237196	0.025068863
ENSMUSG00000095041	AC149090.1	-0.493482778	0.001236359	0.025068863
ENSMUSG00000002797	Ggct	0.451123222	0.001243425	0.025113139
ENSMUSG00000021520	Uqcrb	0.29829486	0.001242781	0.025113139
ENSMUSG00000020107	Anapc16	0.324527649	0.00124993	0.025203542
ENSMUSG00000084013	Gm14270	0.616885033	0.001253454	0.02523364
ENSMUSG00000115338	Pnp	0.318656791	0.001262061	0.025365796
ENSMUSG00000043716	Rpl7	0.487270549	0.001289792	0.025881278
ENSMUSG00000034105	Tlhc1	-0.551460681	0.001294861	0.025941069
ENSMUSG00000034401	Spata6	-0.611666089	0.001317455	0.026351213
ENSMUSG00000075229	Ccdc58	0.442729834	0.001337257	0.026704285
ENSMUSG00000061028	Clasrp	-0.459137645	0.00135248	0.026921727
ENSMUSG00000082908	Gm13736	0.293173638	0.001351145	0.026921727
ENSMUSG00000028455	Stoml2	0.294757132	0.001364327	0.027114084
ENSMUSG00000030269	Mtmr14	-0.499449379	0.001377197	0.02732615
ENSMUSG00000029338	Antxr2	-0.628030766	0.001380499	0.027347963
ENSMUSG00000066809	Gm10180	1.338144226	0.001392916	0.027550007
ENSMUSG00000029127	Zbtb49	-0.703854171	0.001395774	0.027562645
ENSMUSG00000031389	Arhgap4	-0.418923987	0.001407788	0.027755777
ENSMUSG0000004665	Cnn2	-0.363261089	0.00142042	0.027928874
ENSMUSG00000050555	Hyls1	-0.568577644	0.001421065	0.027928874
ENSMUSG00000044573	Acp1	0.319636748	0.00142586	0.027978849
ENSMUSG00000028458	Tesk1	-0.862315516	0.001431568	0.028046533
ENSMUSG00000079316	Rab9	0.315969176	0.001436541	0.028099646
ENSMUSG00000032803	Cdv3	0.717982777	0.001441833	0.028114608
ENSMUSG00000053768	Chchd3	0.316246362	0.001441565	0.028114608
ENSMUSG00000031129	Slc9a9	-0.680973779	0.001448363	0.028197673
ENSMUSG00000026835	Fcnb	-0.505783938	0.001470031	0.028574734
ENSMUSG00000063830	Gm6065	0.820268576	0.001480206	0.028727561
ENSMUSG00000000088	Cox5a	0.303938663	0.001488749	0.028792792
ENSMUSG00000025967	Eef1b2	0.34038659	0.001492839	0.028792792
ENSMUSG00000037523	Mavs	-0.473510305	0.001487923	0.028792792
ENSMUSG00000038170	Pde4dip	-0.660865054	0.001491506	0.028792792

ENSMUSG00000029068	Ccnl2	-0.391537989	0.001508745	0.029054451
ENSMUSG00000018927	Ccl6	-0.423855248	0.001521093	0.029246897
ENSMUSG00000051506	Wdfy4	0.680819005	0.001529289	0.029359039
ENSMUSG00000024608	Rps14	0.302596588	0.001531996	0.029365628
ENSMUSG00000001415	Smg5	-0.411018815	0.001556529	0.029789895
ENSMUSG00000021418	Rpp40	0.432453755	0.001563357	0.02987455
ENSMUSG00000019261	Map1s	-0.659745574	0.001569336	0.029899493
ENSMUSG00000029534	St7	0.394813457	0.001569477	0.029899493
ENSMUSG00000049744	Arhgap15	-0.277718282	0.00157398	0.029939365
ENSMUSG00000037731	Themis2	-0.637731712	0.001579786	0.030003865
ENSMUSG00000043572	Pars2	-0.472083042	0.001586852	0.030092036
ENSMUSG00000043263	Ifi209	-0.579292458	0.00159329	0.030147062
ENSMUSG00000044349	Snhg11	-0.546380694	0.001594607	0.030147062
ENSMUSG00000042043	Tbca	0.410568813	0.001603816	0.030275078
ENSMUSG00000021481	Zfp346	-0.603017028	0.001628575	0.030649296
ENSMUSG00000072949	Acot1	0.800959646	0.001626283	0.030649296
ENSMUSG00000015932	Dstn	0.370650708	0.001640694	0.030748193
ENSMUSG00000040463	Mybbp1a	0.440375656	0.001643732	0.030748193
ENSMUSG00000041638	Gcn11l	-0.462303761	0.001637518	0.030748193
ENSMUSG00000085787	Gm13092	0.32492357	0.001641383	0.030748193
ENSMUSG00000037531	Mrpl47	0.347752651	0.001655161	0.030915424
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ENSMUSG00000025491	Ifitm1	0.632389894	0.001674651	0.031158542
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ENSMUSG00000074129	Rpl13a	0.292898961	0.001687427	0.031292435
ENSMUSG00000000386	Mx1	-0.181595171	0.00171145	0.031658387
ENSMUSG00000021391	Cenpp	0.320241462	0.00171278	0.031658387
ENSMUSG00000025492	Ifitm3	0.475258741	0.001726491	0.031864411
ENSMUSG00000040016	Ptger3	0.812798694	0.001742379	0.032109931
ENSMUSG00000106037	Gm4332	0.385896166	0.001755008	0.032294742
ENSMUSG00000029014	Dnajc2	0.397648216	0.001772101	0.032561048
ENSMUSG00000028610	Dmrtb1	-1.232358975	0.001775516	0.032575596
ENSMUSG00000027330	Cdc25b	-0.748209678	0.001779932	0.032608465
ENSMUSG00000023977	Ubr2	0.602458285	0.001804966	0.032850311
ENSMUSG00000061518	Cox5b	0.261407827	0.001806357	0.032850311
ENSMUSG00000081600	Gm12286	1.086761088	0.001795801	0.032850311
ENSMUSG00000083044	Gm12416	1.366683949	0.001803007	0.032850311
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ENSMUSG00000041354	Rgl2	-0.674128648	0.001826105	0.033160894
ENSMUSG00000028010	Gar1	0.257959967	0.001828912	0.033163377
ENSMUSG00000030657	Xylt1	-0.672373379	0.001839545	0.033270167
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ENSMUSG00000083496	Gm11263	1.520635066	0.001864118	0.03365437
ENSMUSG00000040407	Akap9	-0.381170967	0.001881513	0.033919115
ENSMUSG00000060739	Nsa2	0.304172387	0.001887268	0.033973564
ENSMUSG00000035960	Apex1	0.261049069	0.00190198	0.034188851
ENSMUSG00000064246	Chil1	-0.972506882	0.001916187	0.034394441
ENSMUSG00000117621	AC117239.2	0.42870592	0.001935523	0.034691381
ENSMUSG00000036928	Stag3	-1.208417839	0.001944919	0.03475948
ENSMUSG00000078903	Gm14391	1.573225056	0.001943863	0.03475948
ENSMUSG00000032812	Arap1	-0.607709812	0.001957839	0.034940118
ENSMUSG00000025968	Ndufs1	0.337567395	0.001977061	0.035232538
ENSMUSG00000004268	Emg1	0.331541832	0.001986405	0.035310296
ENSMUSG00000043467	Zbtb37	1.19721997	0.00198711	0.035310296
ENSMUSG00000032423	Syncrip	0.42120919	0.001990365	0.035317608
ENSMUSG00000089665	Fcor	0.451688531	0.002009696	0.03560975
ENSMUSG00000083291	Gm13679	1.224335152	0.00201851	0.03571498
ENSMUSG00000073676	Hspe1	0.419775249	0.002025138	0.035781274
ENSMUSG00000061104	Sap18b	0.271124177	0.002041329	0.036016125
ENSMUSG00000034853	Acot11	-0.136621987	0.00204644	0.03605508
ENSMUSG00000033020	Polr2f	0.29941274	0.002049944	0.036065657
ENSMUSG00000058135	Gstm1	0.29867958	0.002052931	0.036067116
ENSMUSG00000011008	Mcoln2	1.797048103	0.002058611	0.036115823
ENSMUSG00000055413	H2-Q5	-0.924644499	0.002066271	0.036199078
ENSMUSG00000091498	Mpc1-ps	0.353447844	0.002071686	0.036242842
ENSMUSG00000023952	Gtpbp2	-0.511943683	0.00208725	0.036372118
ENSMUSG00000041515	Irf8	-0.57913987	0.002087861	0.036372118
ENSMUSG00000073987	Ggh	-0.370690305	0.002085914	0.036372118
ENSMUSG00000024560	Cxxc1	-0.4061497	0.002093546	0.036420069
ENSMUSG00000024960	Plcb3	-0.518173163	0.002101374	0.03650513
ENSMUSG00000070972	Dnajc25	0.330090619	0.002115621	0.036701296
ENSMUSG00000026073	Ii1r2	0.902424605	0.002123183	0.036781118
ENSMUSG00000042817	Flt3	0.91847247	0.00212752	0.03680491
ENSMUSG00000022174	Dad1	0.230770621	0.00217449	0.037565145
ENSMUSG00000022370	Mrpl13	0.287148295	0.002185442	0.037701909
ENSMUSG00000047215	Rpl9	0.32948737	0.002194579	0.037807028
ENSMUSG00000001128	Cfp	-0.462635574	0.002211888	0.037947322
ENSMUSG00000011960	Ccnt1	-0.317357861	0.002209173	0.037947322
ENSMUSG00000049932	H2afx	-0.312876148	0.002209573	0.037947322
ENSMUSG00000025507	Pidd1	-0.633630593	0.002220102	0.037983308
ENSMUSG00000030335	Mrpl51	0.332927805	0.002219602	0.037983308
ENSMUSG00000031461	Myom2	-0.646965191	0.002225952	0.038000611
ENSMUSG00000083429	Gm15198	0.331434717	0.002227232	0.038000611
ENSMUSG00000000440	Pparg	-0.160689035	0.002235777	0.03809409
ENSMUSG00000052336	Cx3cr1	-0.659016816	0.002243415	0.038171867

ENSMUSG00000081824	BC002163	0.297792146	0.002257868	0.038365219
ENSMUSG00000029860	Zyx	-0.510287133	0.002269404	0.038505326
ENSMUSG00000067274	Rplp0	0.288717698	0.002272313	0.038505326
ENSMUSG00000007379	Dennd2c	-1.173931354	0.002276182	0.038518333
ENSMUSG00000036644	Tbc1d9b	-0.596845511	0.002281577	0.038557096
ENSMUSG00000024118	Tedc2	-0.444763689	0.002291373	0.038617566
ENSMUSG00000090877	Hspa1b	-0.212085171	0.002289619	0.038617566
ENSMUSG00000027374	Mrps5	0.442197138	0.002296958	0.038659237
ENSMUSG00000096755	Ftl1-ps2	0.579686768	0.002313918	0.038891987
ENSMUSG00000027777	Schip1	0.491966085	0.002326503	0.039050674
ENSMUSG00000000295	Hddc2	0.379405841	0.002352712	0.039384142
ENSMUSG00000056836	Gm6851	0.324625473	0.002350318	0.039384142
ENSMUSG00000029283	Cdc7	-0.371525356	0.002365417	0.03949039
ENSMUSG00000044328	Trp53i13	-0.48676089	0.002364207	0.03949039
ENSMUSG00000026637	Traf5	-0.57824698	0.002380543	0.039662895
ENSMUSG00000037601	Nme1	0.371126328	0.002382137	0.039662895
ENSMUSG00000029642	Polr1d	0.337573429	0.002421913	0.040110109
ENSMUSG00000037363	Letm2	-0.649471143	0.002415209	0.040110109
ENSMUSG00000039294	Cybc1	-0.555777959	0.00242021	0.040110109
ENSMUSG00000113948	Rpl17-ps3	0.347797071	0.002419175	0.040110109
ENSMUSG00000058558	Rpl5	0.376061554	0.002426989	0.040140646
ENSMUSG00000016756	Cmah	0.393073729	0.002430225	0.040140723
ENSMUSG00000026349	Ccnt2	-0.516764529	0.002435134	0.040168389
ENSMUSG00000023990	Tfeb	-0.610343644	0.002445755	0.040290082
ENSMUSG00000074865	Zfp934	-0.454303712	0.00245384	0.040369735
ENSMUSG00000025155	Dus1l	0.248405984	0.002472939	0.040541652
ENSMUSG00000025613	Cct8	0.325856317	0.002474082	0.040541652
ENSMUSG00000075040	Zfp408	-0.591409681	0.002470248	0.040541652
ENSMUSG00000067367	Lyar	0.357160318	0.002478009	0.04055251
ENSMUSG00000020818	Mfsd11	-0.401831721	0.002488169	0.040611765
ENSMUSG00000024807	Syvn1	-0.563679948	0.002485655	0.040611765
ENSMUSG00000030738	Eif3c	0.377221801	0.002496833	0.040671086
ENSMUSG00000054405	Dnajc8	0.295747913	0.002498353	0.040671086
ENSMUSG00000071669	Snx29	-0.567962518	0.002509019	0.040791258
ENSMUSG00000026895	Ndufa8	0.27801012	0.002517236	0.040818001
ENSMUSG00000042570	Mier2	-0.647153875	0.002517121	0.040818001
ENSMUSG00000033769	Exoc6b	0.728792986	0.002522684	0.040853009
ENSMUSG00000059939	9430015G10Rik	-0.410207762	0.0025386	0.041057232
ENSMUSG00000036948	BC037034	-0.536508192	0.002550225	0.041191609
ENSMUSG00000024493	Lars	0.27110259	0.002561782	0.041217485
ENSMUSG00000030094	Xpc	0.275158568	0.002559661	0.041217485
ENSMUSG00000063952	Brpf3	-0.945142036	0.002560298	0.041217485
ENSMUSG00000029017	Pmpcb	0.465583156	0.002570796	0.041255626

ENSMUSG00000059824	Dbp	-0.615403295	0.002567504	0.041255626
ENSMUSG00000000686	Abhd15	-0.495824666	0.002614039	0.041800599
ENSMUSG00000024070	Prkd3	-0.362392412	0.002615151	0.041800599
ENSMUSG00000026307	Scly	-0.578916113	0.002618216	0.041800599
ENSMUSG00000039013	Siglecf	-0.431306459	0.002610467	0.041800599
ENSMUSG00000049600	Zbtb45	-0.58340785	0.002626382	0.041877132
ENSMUSG00000020017	Hal	-0.824403818	0.002637963	0.042007868
ENSMUSG00000052738	Suclg1	0.319754147	0.002659504	0.04229667
ENSMUSG00000030060	Hmces	-0.369774855	0.002664853	0.042327551
ENSMUSG00000030894	Tpp1	-0.319901701	0.002675422	0.042366728
ENSMUSG00000033773	Rpap2	-0.392888994	0.002680964	0.042366728
ENSMUSG00000045639	Zfp629	-0.157894306	0.002677466	0.042366728
ENSMUSG00000074846	Gm10774	0.312240016	0.002678216	0.042366728
ENSMUSG00000039304	Tnfsf10	0.730134013	0.002708291	0.042744192
ENSMUSG00000066626	Gm5121	1.281956627	0.002727299	0.042989562
ENSMUSG00000026648	Dclre1c	-0.491685796	0.002731387	0.042999115
ENSMUSG00000090625	Gm20721	-0.33024668	0.002734828	0.042999115
ENSMUSG00000020593	Lpin1	-0.952230557	0.002738291	0.042999125
ENSMUSG00000020196	Cabin1	-0.464411338	0.002771998	0.043279518
ENSMUSG00000031320	Rps4x	0.355990637	0.002773569	0.043279518
ENSMUSG00000032531	Amotl2	-0.949607641	0.002769689	0.043279518
ENSMUSG00000057322	Rpl38	0.293130312	0.002766616	0.043279518
ENSMUSG00000057788	Ddx49	0.29801807	0.002762183	0.043279518
ENSMUSG00000020766	Galk1	0.346052051	0.002780828	0.043292674
ENSMUSG00000038811	Gngt2	0.440529101	0.002784868	0.043292674
ENSMUSG00000104421	Rpl18-ps1	0.870993974	0.00278441	0.043292674
ENSMUSG00000058099	Nfam1	-0.411083256	0.002802436	0.043511326
ENSMUSG00000021290	Atp5mpl	0.246461545	0.002813895	0.043580279
ENSMUSG00000037095	Lrg1	0.570287225	0.002811433	0.043580279
ENSMUSG00000026766	Mmadhc	0.249579278	0.002823163	0.043615057
ENSMUSG00000047702	Olfr1388	0.381986791	0.002822802	0.043615057
ENSMUSG00000054823	Nsd3	-0.367702449	0.002831754	0.043693439
ENSMUSG00000066443	Gm10163	0.306265518	0.002836017	0.043704918
ENSMUSG00000027219	Slc28a2	0.355474708	0.002853384	0.043918067
ENSMUSG00000008668	Rps18	0.290744181	0.002872584	0.044120531
ENSMUSG00000021737	Psm6	0.254389415	0.002873642	0.044120531
ENSMUSG00000032915	Adgre4	-0.986039433	0.002880146	0.044165802
ENSMUSG00000024431	Nr3c1	-0.372834184	0.002888998	0.044192414
ENSMUSG00000029623	Pdap1	0.446032817	0.002888618	0.044192414
ENSMUSG00000023043	Krt18	-0.540441974	0.002894458	0.044221485
ENSMUSG00000081895	Rpl17-ps10	0.444297016	0.002899469	0.044243616
ENSMUSG00000033088	Triobp	-0.398573948	0.002903409	0.044249371
ENSMUSG00000020482	Ccdc117	-0.39940864	0.002919916	0.044446415

ENSMUSG00000032120	C2cd2l	-0.603824133	0.00296012	0.045003245
ENSMUSG00000006057	Atp5g1	0.342491946	0.002976219	0.04500922
ENSMUSG00000020180	Snrpd3	0.581878953	0.002973243	0.04500922
ENSMUSG00000023106	Denr	0.358087331	0.002978631	0.04500922
ENSMUSG00000031519	Asb5	-0.605799423	0.002970687	0.04500922
ENSMUSG00000035757	Selenoo	-0.390031005	0.002972964	0.04500922
ENSMUSG00000036850	Mrpl41	0.255755609	0.002991622	0.045150584
ENSMUSG00000036371	Serbp1	0.258611628	0.003024785	0.045491978
ENSMUSG00000041355	Ssr2	0.289654983	0.003019862	0.045491978
ENSMUSG00000044827	Tlr1	-0.622198766	0.003025229	0.045491978
ENSMUSG00000000732	Icosl	-0.841121132	0.00303973	0.045616356
ENSMUSG00000005779	Psmb4	0.395617034	0.003040846	0.045616356
ENSMUSG00000038766	Gabpb2	-0.445956638	0.003046543	0.045629709
ENSMUSG00000074102	Rbm15b	-0.466455833	0.003049083	0.045629709
ENSMUSG00000020522	Mfap3	-0.304867165	0.003057127	0.045695032
ENSMUSG00000054708	Ankrd24	-0.842587821	0.003063696	0.045738176
ENSMUSG00000068039	Tcp1	0.266765787	0.003093602	0.046129212
ENSMUSG00000038462	Uqcrrfs1	0.294822033	0.003105725	0.046254456
ENSMUSG00000046207	Pik3r6	-0.465391833	0.003115643	0.046291155
ENSMUSG00000071072	Ptges3	0.293291752	0.003112748	0.046291155
ENSMUSG00000070834	Gm13015	0.384300384	0.003140771	0.046608739
ENSMUSG00000057036	Gm7536	0.359415799	0.003149714	0.046685681
ENSMUSG00000039163	Cmc1	0.307297319	0.003158693	0.046707287
ENSMUSG00000062933	Gm10123	0.235063347	0.003158335	0.046707287
ENSMUSG00000011427	Zfp790	-0.572189566	0.003170869	0.046743176
ENSMUSG00000020733	Slc9a3r1	-0.239567335	0.003176097	0.046743176
ENSMUSG00000031154	Otud5	-0.389598618	0.003176173	0.046743176
ENSMUSG00000038563	Efl1	0.353509717	0.003173438	0.046743176
ENSMUSG00000000355	Mcts1	0.244711182	0.003183801	0.046759699
ENSMUSG00000015671	Psma2	0.30180664	0.003189887	0.046759699
ENSMUSG00000017697	Ada	0.468128052	0.003203647	0.046759699
ENSMUSG00000033191	Tie1	-0.599607983	0.003199334	0.046759699
ENSMUSG00000043008	Klhl6	-0.299592798	0.003201393	0.046759699
ENSMUSG00000044533	Rps2	0.403975995	0.00319894	0.046759699
ENSMUSG00000050856	Atp5k	0.277038662	0.003190838	0.046759699
ENSMUSG00000004221	lkbkg	-0.433628251	0.003214534	0.046798223
ENSMUSG00000005364	Il5ra	-1.053692111	0.003217363	0.046798223
ENSMUSG00000021079	Timm9	0.386627739	0.00321759	0.046798223
ENSMUSG00000032902	Slc16a1	0.48617383	0.003223848	0.046831574
ENSMUSG00000054836	Elp6	0.372906076	0.003227424	0.046831574
ENSMUSG00000028266	Lmo4	-0.342178361	0.003253192	0.046985935
ENSMUSG00000043866	Taf10	0.296242905	0.003252433	0.046985935
ENSMUSG00000049307	Fut4	-0.500000904	0.003250488	0.046985935

ENSMUSG00000049960	Mrps16	0.269074685	0.003247359	0.046985935
ENSMUSG00000014313	Cox6c	0.269438425	0.00326243	0.04706462
ENSMUSG00000002028	Kmt2a	-0.532398405	0.003272442	0.047099653
ENSMUSG000000051851	Rtl8c	-0.742678331	0.003270124	0.047099653
ENSMUSG000000028367	Txn1	0.219670391	0.003294004	0.047355114
ENSMUSG000000097175	Gm27018	0.346452033	0.003304727	0.047454346
ENSMUSG000000116632	Magef1	-0.672458664	0.003313275	0.047522162
ENSMUSG000000066491	Cox6c2	0.278844607	0.003317529	0.047528288
ENSMUSG000000020075	Ddx21	0.539970103	0.003372297	0.048190475
ENSMUSG000000032235	Ice2	-0.460808187	0.00337539	0.048190475
ENSMUSG000000055447	Cd47	0.269844961	0.003369064	0.048190475
ENSMUSG000000058794	Nfe2	-0.297147459	0.003400258	0.048489792
ENSMUSG000000048279	Sacs	0.679228184	0.003411024	0.048587527
ENSMUSG00000000278	Scpep1	-0.495829008	0.003423112	0.048691568
ENSMUSG000000025158	Rfng	-0.352650652	0.003428354	0.048691568
ENSMUSG000000037361	Sf3b6	0.239628812	0.003434008	0.048691568
ENSMUSG000000051727	Kctd14	-0.501559003	0.003431493	0.048691568
ENSMUSG000000047881	Rell1	-0.413694972	0.003439981	0.048720646
ENSMUSG000000050410	Tcf19	-0.3975821	0.003449455	0.048799184
ENSMUSG000000063849	Ppcdc	-0.475981697	0.003456406	0.04884189
ENSMUSG000000027411	Vps16	-0.291870335	0.003493262	0.0493066
ENSMUSG000000013973	Dedd	-0.388329876	0.003509428	0.049478558
ENSMUSG000000031007	Atp6ap2	0.282503239	0.003543747	0.049849243
ENSMUSG000000086721	Gm13750	0.694686825	0.003541475	0.049849243
ENSMUSG000000000787	Ddx3x	0.608663746	0.003557325	0.049983639
ENSMUSG000000004558	Ndrg2	0.507530175	0.003573953	0.049991074
ENSMUSG000000026603	Smyd2	0.260130411	0.003569955	0.049991074
ENSMUSG000000036817	Sun1	-0.59023217	0.003565069	0.049991074
ENSMUSG000000082044	Snrpert	0.294034384	0.003566155	0.049991074
ENSMUSG000000003200	Sh3gl1	-0.321033235	0.003613522	0.050156207
ENSMUSG000000010751	Tnfrsf22	0.520813808	0.003601259	0.050156207
ENSMUSG000000015947	Fcgr1	0.864077833	0.0036014	0.050156207
ENSMUSG000000024283	Wac	-0.423572802	0.003618022	0.050156207
ENSMUSG000000024457	Trim26	-0.3764439	0.003610425	0.050156207
ENSMUSG000000028069	Gpatch4	0.291283765	0.003618063	0.050156207
ENSMUSG000000029304	Spp1	0.405556649	0.00361586	0.050156207
ENSMUSG000000071866	Ppia	0.236164066	0.003590791	0.050156207
ENSMUSG000000020321	Mdh1	0.24839594	0.003624638	0.050191331
ENSMUSG000000028609	Magoh	0.277653399	0.00362893	0.050194805
ENSMUSG000000039680	Mrps6	0.342033834	0.003642408	0.050325193
ENSMUSG000000011257	Pabpc4	0.725014826	0.003652354	0.050396024
ENSMUSG000000023571	C1qtnf12	-0.416580564	0.003655649	0.050396024
ENSMUSG000000026566	Mpzl1	0.744740484	0.003673069	0.050468128

ENSMUSG00000035929	H2-Q4	-0.544235996	0.003672313	0.050468128
ENSMUSG00000038633	Degs1	-0.366765819	0.003667735	0.050468128
ENSMUSG00000054604	Cggbp1	0.284906406	0.003682743	0.050529571
ENSMUSG00000083245	Gm11185	1.151827087	0.003685677	0.050529571
ENSMUSG00000029033	Acap3	-0.793338025	0.003702035	0.050697882
ENSMUSG00000031068	Glrx3	0.291337215	0.003715349	0.05082418
ENSMUSG00000111611	Olfr157	-0.417303321	0.003730325	0.050972903
ENSMUSG00000074417	Gm14548	-0.879697729	0.003749756	0.051182112
ENSMUSG00000045730	Adrb2	-0.437777466	0.00375461	0.05119211
ENSMUSG00000037251	Pomk	-0.332566353	0.003806872	0.051847757
ENSMUSG00000038535	Zfp280d	-0.81929718	0.00381223	0.051863864
ENSMUSG00000027531	Impa1	0.266218995	0.003826468	0.051926435
ENSMUSG00000037815	Ctnna1	-0.354637742	0.003826592	0.051926435
ENSMUSG00000038880	Mrps34	0.315545126	0.003829371	0.051926435
ENSMUSG00000020873	Slc35b1	0.346581118	0.00384426	0.052024415
ENSMUSG00000022614	Lmf2	-0.409673052	0.003844973	0.052024415
ENSMUSG00000067547	Gm7666	0.363933542	0.003862751	0.052208082
ENSMUSG00000018565	Elp5	0.266576738	0.003881673	0.052383954
ENSMUSG00000032359	Ctsh	-0.387358914	0.003884198	0.052383954
ENSMUSG00000000673	Haao	-0.398481471	0.003901485	0.052503086
ENSMUSG00000029475	Kdm2b	-0.540675984	0.003899442	0.052503086
ENSMUSG00000049755	Zfp672	0.374754187	0.003906741	0.052516909
ENSMUSG00000035885	Cox8a	0.243415107	0.003911669	0.052526312
ENSMUSG00000022607	Ptk2	-0.59000606	0.003961389	0.05312974
ENSMUSG00000047153	Khyn	-0.489332343	0.003969439	0.05312974
ENSMUSG00000089669	Tnfsf13	0.446817526	0.003969388	0.05312974
ENSMUSG00000054611	Kdm2a	-0.36583966	0.004002094	0.053451625
ENSMUSG00000071757	Zhx2	0.041807974	0.004000646	0.053451625
ENSMUSG00000006373	Pgrmc1	0.303165084	0.004030461	0.053703351
ENSMUSG00000052423	B4galt3	-0.303056903	0.004027177	0.053703351
ENSMUSG00000062328	Rpl17	0.386045561	0.004033912	0.053703351
ENSMUSG00000014763	Fam120b	-0.332883217	0.004052404	0.05384399
ENSMUSG00000096964	Gm6345	-0.048847186	0.004053146	0.05384399
ENSMUSG00000087150	BC064078	-0.51653622	0.004072927	0.054048966
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ENSMUSG00000020176	Grb10	-0.773611916	0.00410059	0.054300028
ENSMUSG00000039813	Tbc1d2	-0.351942053	0.004111619	0.054333806
ENSMUSG00000045055	Rpsa-ps2	0.920720942	0.004111889	0.054333806
ENSMUSG00000014769	Psmb1	0.255507629	0.004138618	0.054628884
ENSMUSG00000004896	Rrnad1	-0.408710147	0.004149981	0.05470135
ENSMUSG00000021631	Mrps36-ps1	0.342307494	0.004154993	0.05470135
ENSMUSG00000022752	Tomm70a	0.316531321	0.004166128	0.05470135
ENSMUSG00000029071	Dvl1	-0.683338315	0.004166041	0.05470135

ENSMUSG00000056019	Zfp709	-0.608738543	0.004165945	0.05470135
ENSMUSG00000049130	C5ar1	0.719906111	0.004185674	0.054899949
ENSMUSG00000072653	Zfp783	-0.470759345	0.004191941	0.054924159
ENSMUSG00000005483	Dnajb1	-0.4049464	0.004216161	0.055036951
ENSMUSG00000009207	Lnpc	0.378960671	0.004214682	0.055036951
ENSMUSG00000022651	Retnlg	-0.19917734	0.004218274	0.055036951
ENSMUSG00000066621	Tecpr1	-0.679682767	0.004205205	0.055036951
ENSMUSG00000093973	Mrgpra2a	0.620617387	0.004231594	0.055152815
ENSMUSG00000017309	Cd300lg	-0.679234179	0.0042416	0.055184757
ENSMUSG00000047036	Zfp445	-0.416850966	0.004242931	0.055184757
ENSMUSG00000029708	Gcc1	-0.711408004	0.004252182	0.055247225
ENSMUSG00000004933	Matk	0.285564135	0.004261388	0.055251253
ENSMUSG00000025742	Prps2	0.36132894	0.004259563	0.055251253
ENSMUSG00000001380	Hars	0.257414656	0.004289697	0.055502424
ENSMUSG00000059981	Taok2	-0.377246208	0.004285283	0.055502424
ENSMUSG00000049760	2410015M20Rik	0.248822689	0.004295673	0.05552191
ENSMUSG00000020272	Stk10	-0.740732771	0.004303716	0.055553606
ENSMUSG00000029705	Cux1	-0.324601084	0.004309414	0.055553606
ENSMUSG00000030431	Tmem238	0.319545772	0.004316016	0.055553606
ENSMUSG00000033444	Specc1l	-0.586588216	0.004311557	0.055553606
ENSMUSG00000033933	Vhl	-0.372106284	0.00433512	0.055569171
ENSMUSG00000035235	Trim13	0.42105701	0.004324277	0.055569171
ENSMUSG00000038406	Scaf1	-0.515902429	0.004328449	0.055569171
ENSMUSG00000087701	Gm13493	0.798172682	0.004331381	0.055569171
ENSMUSG00000023908	Pkmyt1	-0.387398229	0.00434775	0.055673614
ENSMUSG00000022982	Sod1	0.331242816	0.00436472	0.055802907
ENSMUSG00000047963	Stbd1	-0.935586211	0.004366832	0.055802907
ENSMUSG00000029098	Acox3	-0.592109976	0.00437968	0.055909559
ENSMUSG00000038518	Jarid2	-0.364189558	0.00440188	0.056135262
ENSMUSG00000033752	Mnd1	0.401109396	0.004410719	0.056190301
ENSMUSG00000022476	Polr3h	0.283565884	0.004436131	0.056398342
ENSMUSG00000084416	Rpl10a-ps1	0.23732123	0.00443405	0.056398342
ENSMUSG00000031907	Zfp90	-0.446413351	0.004441352	0.056406989
ENSMUSG00000079111	Kdelr2	0.545308482	0.004447037	0.056421494
ENSMUSG00000023967	Mrps18a	0.252814824	0.004459172	0.056517728
ENSMUSG00000004071	Cdip1	-0.38579824	0.004484635	0.0567247
ENSMUSG00000030579	Tyrobp	-0.416989899	0.004481196	0.0567247
ENSMUSG00000001763	Tspan33	-0.493993159	0.004495725	0.056749395
ENSMUSG00000080242	Atp6v0c-ps2	0.254951969	0.00449347	0.056749395
ENSMUSG00000031971	Ccsap	-0.382615126	0.00451165	0.056858896
ENSMUSG00000056124	B4galt6	0.418156551	0.004513555	0.056858896
ENSMUSG00000028478	Clta	0.338753653	0.004527128	0.056918781
ENSMUSG00000045917	Tmem268	-0.651113486	0.004527474	0.056918781

ENSMUSG00000045165	Al467606	-0.262366198	0.004535431	0.056961167
ENSMUSG00000080205	Gm15526	0.362831354	0.004561505	0.057230761
ENSMUSG00000027104	Atf2	-0.282919867	0.004584392	0.057412974
ENSMUSG00000052926	Rnaseh2a	0.273516451	0.004585273	0.057412974
ENSMUSG00000040181	Fmo1	0.446277115	0.004606694	0.057565134
ENSMUSG00000048285	Frmd6	0.76370331	0.004603095	0.057565134
ENSMUSG00000051675	Trim32	-0.651943372	0.004623121	0.05771235
ENSMUSG00000021322	Aoah	-0.358714	0.004628627	0.057723074
ENSMUSG00000063234	Gpr84	0.669981263	0.004647707	0.057902879
ENSMUSG00000020175	Rab36	-0.890324911	0.004653066	0.05791155
ENSMUSG00000037548	H2-DMb2	-0.408111422	0.004666325	0.058018442
ENSMUSG00000020018	Snrpf	0.274845313	0.004675374	0.05803704
ENSMUSG00000074093	Svip	0.253602418	0.004677166	0.05803704
ENSMUSG00000020828	Pld2	-0.214496569	0.004690408	0.058049712
ENSMUSG00000040521	Tsfm	0.24223973	0.004682967	0.058049712
ENSMUSG00000052688	Rab7b	-0.301394465	0.004692208	0.058049712
ENSMUSG00000052485	Tmem171	1.017478695	0.004706785	0.058172113
ENSMUSG00000029621	Arpc1a	-0.294952767	0.004725676	0.058313164
ENSMUSG00000061894	Zscan20	-0.971699489	0.004727587	0.058313164
ENSMUSG00000029038	Ssu72	0.271971911	0.004750639	0.058539376
ENSMUSG00000029471	Camkk2	-0.432075817	0.004756209	0.058549926
ENSMUSG00000034412	Tbc1d10a	-0.384443889	0.004761958	0.058562655
ENSMUSG00000007817	Zmiz1	-0.549104643	0.004795312	0.05891451
ENSMUSG00000026102	Inpp1	0.371005785	0.004806173	0.058989596
ENSMUSG00000030095	Tmem43	-0.290607104	0.004815854	0.059050076
ENSMUSG00000023944	Hsp90ab1	0.382765519	0.004839461	0.059281007
ENSMUSG00000025151	Maged1	0.4226558	0.004851188	0.059366115
ENSMUSG00000045886	Gm9803	0.284141086	0.004866224	0.059491504
ENSMUSG00000013593	Ndufs2	0.266314807	0.004885746	0.059612816
ENSMUSG00000030655	Smg1	-0.455327957	0.004885568	0.059612816
ENSMUSG00000052825	Gm9892	0.292371834	0.00491127	0.059865443
ENSMUSG00000032051	Fdx1	0.265380593	0.004954417	0.060273085
ENSMUSG00000074497	A430078G23Rik	-0.453513229	0.004953096	0.060273085
ENSMUSG00000078656	Vps25	0.211781969	0.004959932	0.060281129
ENSMUSG00000029528	Pxn	-0.641398801	0.004969662	0.060340343
ENSMUSG00000024067	Dpy30	0.247873551	0.00499211	0.060541228
ENSMUSG00000034664	Itga2b	-0.445455038	0.004995955	0.060541228
ENSMUSG00000019971	Cep290	-0.344722441	0.005008699	0.060577454
ENSMUSG00000025354	Dnajc14	-0.365648167	0.005004063	0.060577454
ENSMUSG00000025224	Gbf1	-0.337785852	0.005016487	0.060596087
ENSMUSG00000039347	Atp6v0e2	-0.391606487	0.005019996	0.060596087
ENSMUSG00000021756	Il6st	-0.821608548	0.005027943	0.060633084
ENSMUSG00000005142	Man2b1	-0.372931928	0.005053723	0.060884861

ENSMUSG00000019082	Slc25a22	-0.430928858	0.005075947	0.061019213
ENSMUSG00000020846	Rflnb	0.37612661	0.005079612	0.061019213
ENSMUSG00000024521	Pmaip1	0.587784697	0.00507421	0.061019213
ENSMUSG00000020956	Dtd2	0.303087896	0.005089924	0.061028692
ENSMUSG00000031851	Ntpcr	0.26187639	0.005090228	0.061028692
ENSMUSG00000037740	Mrps26	0.237192887	0.005100732	0.061095651
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ENSMUSG00000042350	Arel1	0.544294775	0.005143276	0.061486652
ENSMUSG00000017670	Elmo2	-0.482018009	0.005191943	0.061699591
ENSMUSG00000020219	Timm13	0.282974284	0.005194439	0.061699591
ENSMUSG00000028076	Cd1d1	-0.387214259	0.005169705	0.061699591
ENSMUSG00000052033	Pfdn4	0.302853607	0.005186781	0.061699591
ENSMUSG00000052962	Mrpl35	0.30688792	0.00519586	0.061699591
ENSMUSG00000074227	Spint2	0.280856374	0.005194807	0.061699591
ENSMUSG00000076435	Acsf2	-0.106694846	0.00518542	0.061699591
ENSMUSG00000063696	Gm8730	0.692865179	0.005210973	0.061760963
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ENSMUSG00000022255	Mtdh	0.289700526	0.005224618	0.061863666
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ENSMUSG00000115194	Gm48909	0.350869919	0.005246692	0.06197251
ENSMUSG00000020922	Lsm12	0.349747574	0.005267236	0.062072431
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ENSMUSG00000039377	Hlx	-0.411687119	0.005304282	0.06225167
ENSMUSG00000040990	Sh3kbp1	-0.363831218	0.0052988	0.06225167
ENSMUSG00000053600	Zfp472	-0.35479912	0.005307505	0.06225167
ENSMUSG00000089785	Slc25a5-ps	0.909674735	0.005293836	0.06225167
ENSMUSG00000042541	Sem1	0.198641476	0.005315666	0.062288577
ENSMUSG00000034613	Ppm1h	-0.415790086	0.005348008	0.062608488
ENSMUSG00000048142	Nat8l	-0.102679758	0.00535362	0.062615174
ENSMUSG00000046562	Unc119b	-0.535028918	0.005360533	0.062637048
ENSMUSG00000021576	Pdcd6	0.235787383	0.00538147	0.062822595
ENSMUSG00000098156	Gm27023	0.558317643	0.0053946	0.062916742
ENSMUSG00000019254	Ppp1r12c	-0.327902027	0.005399882	0.062919257
ENSMUSG00000024187	Fam234a	-0.535658412	0.005440116	0.063328657
ENSMUSG00000020250	Txnrd1	0.259606898	0.005471678	0.063517488
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ENSMUSG00000026826	Nr4a2	-0.172087794	0.005482444	0.063523729
ENSMUSG00000060777	Gm10087	-0.86669565	0.005482332	0.063523729
ENSMUSG0000002393	Nr2f6	-0.370524954	0.005496166	0.063623377
ENSMUSG00000021773	Comtd1	0.4399763	0.005521818	0.06379652

ENSMUSG00000028581	Laptm5	-0.318487628	0.005526532	0.06379652
ENSMUSG00000045466	Zfp956	-0.462251193	0.005522883	0.06379652
ENSMUSG00000011884	Gltp	-0.313074631	0.0055407	0.063841407
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ENSMUSG00000002608	Ccdc97	-0.350476527	0.005585197	0.064003684
ENSMUSG00000028495	Rps6	0.251845954	0.005581581	0.064003684
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ENSMUSG00000030751	Psma1	0.228679613	0.005580532	0.064003684
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ENSMUSG00000075370	Igll1	0.632922179	0.005584209	0.064003684
ENSMUSG00000003154	Foxj2	-0.775357403	0.005607551	0.064076712
ENSMUSG00000027397	Slc20a1	-0.462788282	0.00560069	0.064076712
ENSMUSG00000033540	Idua	-0.59679904	0.00560441	0.064076712
ENSMUSG00000006471	Ndor1	-0.28966445	0.005621611	0.064178333
ENSMUSG00000020564	Atxn7l1	-0.319546732	0.005636323	0.064275283
ENSMUSG00000055795	Gm5160	0.617983715	0.005640452	0.064275283
ENSMUSG00000028729	Ebna1bp2	0.284031278	0.005664797	0.064493528
ENSMUSG00000037185	Krt80	-0.758279437	0.005672569	0.06452288
ENSMUSG00000026199	Ankzf1	-0.330832284	0.005692342	0.064662313
ENSMUSG00000042333	Tnfrsf14	-0.621464769	0.00569524	0.064662313
ENSMUSG00000026104	Stat1	-0.447995712	0.005706101	0.064726469
ENSMUSG00000014551	Mrps25	0.23470656	0.005713828	0.064750011
ENSMUSG00000089739	Gm20431	-0.608058396	0.005718603	0.064750011
ENSMUSG00000002320	Tm9sf1	-0.31156334	0.005750639	0.06505345
ENSMUSG00000060288	Ppih	0.282391178	0.005769988	0.065212944
ENSMUSG00000021120	Pigh	-0.315894334	0.00578873	0.065305915
ENSMUSG00000025068	Gsto1	0.25588026	0.005787512	0.065305915
ENSMUSG00000105965	Cyca-ps2	0.93016826	0.005794015	0.065306221
ENSMUSG00000117256	AC154779.4	0.428858639	0.005820393	0.065544061
ENSMUSG00000029404	Arl6ip4	0.259271116	0.005842288	0.065698141
ENSMUSG00000070490	Gm10293	0.964186086	0.005844654	0.065698141
ENSMUSG00000035299	Mid1	0.116950791	0.005875837	0.065929332
ENSMUSG00000036452	Arhgap26	-0.356240959	0.005871142	0.065929332
ENSMUSG00000000365	Rnf17	-0.697456705	0.005892221	0.066038624
ENSMUSG00000039117	Taf4	-0.183997084	0.005896211	0.066038624
ENSMUSG00000028830	AU040320	-0.615801958	0.00592463	0.066297146
ENSMUSG00000040997	Abhd4	-0.349028133	0.005938101	0.066388075
ENSMUSG00000061898	Rbak	-0.460782314	0.005952188	0.066485726
ENSMUSG00000058325	Dock1	0.592248121	0.005992039	0.066810699
ENSMUSG00000105796	Gm42845	0.316681784	0.005991611	0.066810699
ENSMUSG00000071041	Impdh2-ps	0.397803169	0.006001375	0.066854776
ENSMUSG00000020868	Xylt2	-0.595787019	0.006011359	0.066905996
ENSMUSG00000006589	Aprt	0.265576255	0.006051735	0.067080321

ENSMUSG00000015980	Lrrc27	0.561284368	0.006044682	0.067080321
ENSMUSG00000024610	Cd74	-0.17194928	0.006050464	0.067080321
ENSMUSG00000032249	Anp32a	0.571470153	0.006033026	0.067080321
ENSMUSG00000034327	Kctd9	-0.527070439	0.006054025	0.067080321
ENSMUSG00000031226	Pbdc1	0.222334014	0.006067767	0.067172674
ENSMUSG00000037465	Klf10	-0.475091797	0.00607834	0.067184781
ENSMUSG00000058603	Rpl28-ps1	0.301633198	0.006079679	0.067184781
ENSMUSG00000024325	Ring1	-0.456703563	0.006102164	0.067373315
ENSMUSG00000015536	Mocs2	0.270094018	0.006129851	0.067520475
ENSMUSG00000030399	Ckm	-0.625510303	0.006127833	0.067520475
ENSMUSG00000045252	Zfp574	-0.373239519	0.006131801	0.067520475
ENSMUSG00000024539	Ptpn2	0.241774223	0.006142272	0.067558711
ENSMUSG00000034880	Mrpl34	0.259307661	0.006146151	0.067558711
ENSMUSG00000001305	Rrp15	0.300027484	0.006166586	0.06764284
ENSMUSG00000018999	Slc35b4	-0.41266813	0.006170142	0.06764284
ENSMUSG00000062944	9130023H24Rik	-0.502340621	0.006161994	0.06764284
ENSMUSG00000021929	Kpna3	0.40242782	0.006204074	0.067954848
ENSMUSG00000014504	Srp19	0.264888991	0.006230242	0.068181358
ENSMUSG00000031221	Igbp1	0.304499204	0.006243757	0.068215059
ENSMUSG00000037108	Zcwpw1	-0.520916655	0.006244306	0.068215059
ENSMUSG00000084786	Ubl5	0.241294485	0.00625556	0.068277956
ENSMUSG00000019843	Fyn	-0.488338299	0.006276911	0.068450843
ENSMUSG00000020561	Twistnb	0.36045457	0.00629726	0.068612519
ENSMUSG00000028356	Ambp	0.132129979	0.006310529	0.068696832
ENSMUSG00000054381	Zfp747	-0.447330549	0.006326173	0.06875513
ENSMUSG00000084221	Hmgb1-ps4	0.808572492	0.006329793	0.06875513
ENSMUSG00000091803	Cox16	0.245663681	0.006332491	0.06875513
ENSMUSG00000091549	Gm6548	0.651695831	0.00635656	0.068956189
ENSMUSG00000022223	Sdr39u1	0.378758734	0.006376796	0.069055088
ENSMUSG00000038759	Nup205	0.506197233	0.00637318	0.069055088
ENSMUSG00000066149	Cdc26	0.227630268	0.006409963	0.069353784
ENSMUSG00000117975	Itrip	-0.386249144	0.006415875	0.069357343
ENSMUSG00000025781	Atp5c1	0.243795761	0.006437138	0.069526684
ENSMUSG00000024841	Eif1ad	0.237326535	0.006450843	0.069595993
ENSMUSG00000040761	Spn	-0.33266301	0.006454761	0.069595993
ENSMUSG00000051483	Cbr1	0.289913582	0.006466484	0.06966192
ENSMUSG00000034640	Tiparp	-0.29763569	0.006515758	0.07013192
ENSMUSG00000000827	Tpd52l2	0.262494091	0.006541206	0.070344867
ENSMUSG00000000682	Cd52	-0.342267619	0.006584706	0.070751413
ENSMUSG00000001029	Icam2	0.344006138	0.00660248	0.070758762
ENSMUSG00000018427	Ypel2	-0.449605586	0.006600402	0.070758762
ENSMUSG00000024294	Mib1	0.586283651	0.006592129	0.070758762
ENSMUSG00000059070	Rpl18	0.28335058	0.00663913	0.071090197

ENSMUSG00000034656	Cacna1a	-0.615476649	0.006660519	0.071196477
ENSMUSG00000074671	Tspyl3	-0.396000022	0.006657455	0.071196477
ENSMUSG00000026511	Srp9	0.25377835	0.006671282	0.071250212
ENSMUSG00000014226	Cacybp	0.28179401	0.006721769	0.071359906
ENSMUSG00000017176	Nt5c3b	0.299135617	0.006719968	0.071359906
ENSMUSG00000021361	Tmem14c	0.280320281	0.006704052	0.071359906
ENSMUSG00000024667	Tmem216	0.342116244	0.006699071	0.071359906
ENSMUSG00000029551	Psmg3	0.292516932	0.006709914	0.071359906
ENSMUSG00000062963	Ufc1	0.239348729	0.006690963	0.071359906
ENSMUSG00000075706	Gpx4	0.214636138	0.006713314	0.071359906
ENSMUSG00000004980	Hnrnpa2b1	0.274745259	0.006786337	0.071528393
ENSMUSG00000021707	Dhfr	0.239945084	0.006789468	0.071528393
ENSMUSG00000024515	Smad4	-0.4362632	0.006783729	0.071528393
ENSMUSG00000025537	Phkg1	-0.49083769	0.006782217	0.071528393
ENSMUSG00000027618	Nfs1	0.24589051	0.006767615	0.071528393
ENSMUSG00000029993	Nfu1	0.221414939	0.006771046	0.071528393
ENSMUSG00000032604	Qars	0.360091452	0.006753643	0.071528393
ENSMUSG00000058050	Gm9234	0.608435633	0.006760111	0.071528393
ENSMUSG00000070732	Rbm44	-0.706664527	0.006768388	0.071528393
ENSMUSG00000059820	Nkapd1	0.306763381	0.006811961	0.071704549
ENSMUSG00000029056	Pank4	-0.273065126	0.006828153	0.071814131
ENSMUSG00000056290	Ms4a4b	-0.470519743	0.006847828	0.07196013
ENSMUSG00000031101	Sash3	-0.276299728	0.006890747	0.072349934
ENSMUSG00000000594	Gm2a	-0.267103241	0.006902059	0.072407492
ENSMUSG00000001143	Lman2l	-0.334717988	0.006929695	0.072594654
ENSMUSG00000004849	Ap1s1	0.248039788	0.006931588	0.072594654
ENSMUSG00000037190	Cyb561d2	0.264180815	0.006939884	0.072620305
ENSMUSG00000091478	Gm10039	0.290489459	0.006970317	0.072877361
ENSMUSG00000020843	Timm22	0.22874962	0.0069785	0.072901556
ENSMUSG00000053553	3110082l17Rik	0.251923158	0.006992089	0.072933047
ENSMUSG00000082097	Gm14039	0.40077934	0.006993258	0.072933047
ENSMUSG00000025234	Arih1	-0.387566986	0.00701309	0.073078519
ENSMUSG00000020460	Rps27a	0.314633472	0.007043441	0.07333326
ENSMUSG00000059486	Kbtbd2	-0.382992034	0.007087985	0.073673529
ENSMUSG00000082099	Gm12013	0.385335614	0.007084015	0.073673529
ENSMUSG00000072692	Rpl37rt	0.256159978	0.00709455	0.073680101
ENSMUSG00000020708	Psmc5	0.256601072	0.00711853	0.073833949
ENSMUSG00000042308	Setd1a	-0.63740132	0.007121252	0.073833949
ENSMUSG00000021996	Esd	0.231680491	0.007141426	0.07398136
ENSMUSG00000022377	Asap1	0.379507703	0.007154566	0.074055722
ENSMUSG00000044092	C130050O18Rik	-0.506363125	0.007164498	0.074096782
ENSMUSG00000071014	Ndufb6	0.251022497	0.007192034	0.074319683
ENSMUSG00000002767	Mrpl2	0.259727749	0.007202416	0.074321524

ENSMUSG00000038489	Polr2l	0.245551426	0.00720418	0.074321524
ENSMUSG00000031819	Emc8	0.215618349	0.007221487	0.074438247
ENSMUSG00000046862	Pramef8	-0.484199701	0.007269815	0.074874269
ENSMUSG00000030316	Tamm41	0.299386789	0.007303616	0.075038261
ENSMUSG00000031807	Pgls	0.284265401	0.007303861	0.075038261
ENSMUSG00000040390	Map3k10	-0.474472601	0.007293177	0.075038261
ENSMUSG00000004815	Dgkq	-0.602250673	0.007338258	0.075181606
ENSMUSG00000022427	Tomm22	0.362969614	0.007334347	0.075181606
ENSMUSG00000030056	Isy1	0.294154852	0.007328297	0.075181606
ENSMUSG00000044751	Gm12231	0.642375279	0.007345394	0.075181606
ENSMUSG00000045411	2410002F23Rik	-0.280850978	0.007348077	0.075181606
ENSMUSG00000032842	Abcc10	-0.612942907	0.007383057	0.075477323
ENSMUSG00000031949	Adat1	-0.346508778	0.007393881	0.07552582
ENSMUSG00000030604	Zfp626	-0.397383549	0.007414143	0.075670561
ENSMUSG00000025393	Atp5b	0.307094702	0.007436162	0.075717373
ENSMUSG00000028991	Mtor	0.366653962	0.007437018	0.075717373
ENSMUSG00000052062	Pard3b	-0.601094926	0.007427898	0.075717373
ENSMUSG00000029771	Irf5	-0.363637471	0.007447491	0.075761904
ENSMUSG00000021065	Fut8	-0.289851614	0.007460928	0.075836482
ENSMUSG00000001056	Nhp2	0.32210841	0.007479859	0.075904677
ENSMUSG00000028551	Cdkn2c	-0.319200415	0.007477971	0.075904677
ENSMUSG00000016503	Gtf3a	0.241702044	0.007491241	0.075958127
ENSMUSG00000028086	Fbxw7	0.071161934	0.007536541	0.076203797
ENSMUSG00000032397	Tipin	0.257700485	0.007521739	0.076203797
ENSMUSG00000050945	Zfp438	-0.521191032	0.00754001	0.076203797
ENSMUSG00000068882	Ssb	0.320585747	0.00753469	0.076203797
ENSMUSG00000024937	Ehbp1l1	-0.34642086	0.007549419	0.076236857
ENSMUSG00000039936	Pik3cd	-0.35759782	0.0075781	0.076340287
ENSMUSG00000057863	Rpl36	0.315650386	0.007577097	0.076340287
ENSMUSG00000066068	Gm13611	0.29380124	0.007566786	0.076340287
ENSMUSG00000024902	Mrpl11	0.276265868	0.007612969	0.076456918
ENSMUSG00000032563	Mrpl3	0.274795558	0.007614299	0.076456918
ENSMUSG00000038683	Pak1ip1	0.232209328	0.007613659	0.076456918
ENSMUSG00000058625	Gm17383	0.501273268	0.007607239	0.076456918
ENSMUSG00000025917	Cops5	0.379602717	0.007629608	0.076486979
ENSMUSG00000047139	Cd24a	0.523387866	0.007624605	0.076486979
ENSMUSG00000024300	Myo1f	-0.422186104	0.007656587	0.076695535
ENSMUSG00000002210	Smg9	-0.445897986	0.007705934	0.077065542
ENSMUSG00000063412	Gm10131	0.290735117	0.007700701	0.077065542
ENSMUSG00000025362	Rps26	0.251410078	0.0077265	0.077209057
ENSMUSG00000081642	Gm13532	0.294270356	0.007734096	0.077222839
ENSMUSG00000015149	Sirt2	-0.300413829	0.007747533	0.077294864
ENSMUSG00000003283	Hck	-0.385109521	0.007775497	0.077397373

ENSMUSG00000078676	Casc3	-0.33676118	0.007765287	0.077397373
ENSMUSG00000079845	Xlr4a	-0.48687366	0.007776501	0.077397373
ENSMUSG00000042787	Exog	-0.397587145	0.007786257	0.077432424
ENSMUSG00000036672	Cenpt	-0.368396025	0.007804903	0.077555757
ENSMUSG00000021477	Ctsl	0.448390727	0.007844042	0.077778315
ENSMUSG00000021504	B4galt7	-0.241285875	0.007837563	0.077778315
ENSMUSG00000027259	Adal	-0.281059079	0.007852347	0.077778315
ENSMUSG00000061371	Zfp873	-0.439133591	0.007851806	0.077778315
ENSMUSG00000031266	Gla	0.280454106	0.007907131	0.078258545
ENSMUSG00000021102	Glrx5	0.294882029	0.007954188	0.078536539
ENSMUSG00000037278	Tmem97	0.336914302	0.007949264	0.078536539
ENSMUSG00000092572	Serpinb10	-0.504242114	0.007942517	0.078536539
ENSMUSG00000026972	Arrdc1	-0.313136237	0.007969952	0.078629681
ENSMUSG00000052488	Cherp	-0.52213249	0.007976798	0.07863477
ENSMUSG00000000563	Atp5f1	0.255923347	0.007999837	0.078736902
ENSMUSG00000016940	Kctd2	-0.331717393	0.007994845	0.078736902
ENSMUSG00000018672	Copz2	-0.446825057	0.008027427	0.078945898
ENSMUSG00000109511	Nup62	-0.232431408	0.008053473	0.079139385
ENSMUSG00000041781	Cpsf2	0.286641919	0.008088398	0.079419758
ENSMUSG00000032396	Dis3l	-0.396770631	0.008095658	0.079428254
ENSMUSG00000029674	Limk1	-0.467962857	0.008128209	0.079539269
ENSMUSG00000041084	Ostc	0.261180965	0.008121517	0.079539269
ENSMUSG00000041229	Phf8	-0.370504118	0.008126137	0.079539269
ENSMUSG00000063543	Gm5616	0.230410184	0.008132588	0.079539269
ENSMUSG00000035342	Lzts2	-0.506306603	0.008139188	0.079541196
ENSMUSG00000034947	Tmem106a	-0.486780366	0.008183518	0.079848766
ENSMUSG00000079641	Rpl39	0.326712974	0.008181696	0.079848766
ENSMUSG00000047965	Rpl9-ps7	0.294385873	0.008202425	0.079970424
ENSMUSG00000079658	Eloc	0.231621161	0.008234093	0.080173501
ENSMUSG00000083282	Ctsf	-0.582871429	0.008236164	0.080173501
ENSMUSG00000022148	Fyb	0.332647894	0.008264233	0.080383739
ENSMUSG00000029634	Rnf6	-0.407173808	0.008271825	0.080394626
ENSMUSG00000029716	Tfr2	-0.405436963	0.008287373	0.080482768
ENSMUSG00000038072	Galnt11	-0.3313747	0.008300502	0.080547291
ENSMUSG00000017774	Myo1c	-0.37936836	0.008315664	0.080594405
ENSMUSG00000060397	Zfp128	-0.490536572	0.008318334	0.080594405
ENSMUSG00000024621	Csf1r	-0.429139997	0.008328605	0.080631019
ENSMUSG00000026032	Ndufb3	0.202400324	0.008342079	0.080698568
ENSMUSG00000090553	Snrpe	0.269162116	0.008351638	0.080728165
ENSMUSG00000070327	Rnf213	0.497452085	0.008399415	0.081126854
ENSMUSG00000020514	Mrpl22	0.257972078	0.008421249	0.08127454
ENSMUSG00000023723	Mrps23	0.272475741	0.008429661	0.081292561
ENSMUSG00000079523	Tmsb10	-0.489496221	0.008464755	0.081567664

ENSMUSG00000001983	Taco1	0.349123078	0.008482812	0.081678296
ENSMUSG000000031545	Gpat4	-0.232581348	0.008506953	0.081847303
ENSMUSG000000038893	Fam117a	-0.364639481	0.00852299	0.081938124
ENSMUSG00000006818	Sod2	0.297402395	0.00853985	0.082036716
ENSMUSG000000024174	Pot1b	-0.310831886	0.008560609	0.082172589
ENSMUSG000000026260	Ndufa10	0.251964693	0.008574927	0.082246465
ENSMUSG000000030884	Uqcrc2	0.250304883	0.008590723	0.082334387
ENSMUSG000000104649	Gm43712	0.368571414	0.008597748	0.082338186
ENSMUSG000000020437	Myo1g	-0.416375213	0.008619873	0.082486475
ENSMUSG000000021458	2010111I01Rik	0.259172278	0.0086324	0.082503262
ENSMUSG000000036639	Nudt1	0.359759481	0.008634912	0.082503262
ENSMUSG000000074358	Ccdc61	-0.333260953	0.008647926	0.082564091
ENSMUSG000000015745	Plekho1	-0.494532672	0.008677276	0.082640464
ENSMUSG000000030410	Dmwd	-0.211682392	0.008679021	0.082640464
ENSMUSG000000043192	Gm1840	0.1814055	0.008682538	0.082640464
ENSMUSG000000078192	Gm7290	0.217570754	0.008674448	0.082640464
ENSMUSG000000014418	Hps5	-0.523587755	0.008692959	0.082676301
ENSMUSG000000016477	E2f3	0.420340827	0.008735604	0.082923182
ENSMUSG000000020359	Phykpl	0.341911682	0.008738946	0.082923182
ENSMUSG000000029651	Mtus2	0.571339524	0.008731893	0.082923182
ENSMUSG000000043964	Orai3	-0.302879073	0.008773648	0.08314659
ENSMUSG000000055943	Emc7	0.296395451	0.008786776	0.08314659
ENSMUSG000000058586	Serhl	0.255006668	0.008789266	0.08314659
ENSMUSG000000084319	Tpt1-ps3	0.242325092	0.008776972	0.08314659
ENSMUSG000000026495	Efcab2	0.414703001	0.008832264	0.083489768
ENSMUSG000000030677	Kif22	-0.312337276	0.008939667	0.084440765
ENSMUSG000000028322	Exosc3	0.261116726	0.00894717	0.084447417
ENSMUSG000000003948	Mmd	0.408721497	0.008976002	0.084655217
ENSMUSG000000021111	Papola	0.226142012	0.008991615	0.084738122
ENSMUSG000000024952	Rps6ka4	-0.369700378	0.009008878	0.084836448
ENSMUSG000000019969	Psen1	-0.24379226	0.009053776	0.085194656
ENSMUSG000000073409	H2-Q6	-0.563972532	0.009076677	0.0853455
ENSMUSG000000028730	Cfap57	0.52300519	0.009139758	0.085873625
ENSMUSG000000047264	Zfp358	-0.442055454	0.009155839	0.085959694
ENSMUSG000000026737	Pip4k2a	-0.288327134	0.009185085	0.086169139
ENSMUSG000000004667	Polr2e	0.247547631	0.009206291	0.086302895
ENSMUSG000000058291	Zfp68	-0.272251182	0.009319154	0.087295035
ENSMUSG000000044791	Setd2	0.474675341	0.009335752	0.087384609
ENSMUSG000000064208	Gm10145	0.430925228	0.00935544	0.087437112
ENSMUSG000000109933	Gm7600	0.102646208	0.009350202	0.087437112
ENSMUSG000000025026	Add3	-0.301094152	0.009393201	0.087724019
ENSMUSG000000017132	Cyth1	-0.354712196	0.009438239	0.087800817
ENSMUSG000000029513	Prkab1	-0.321113491	0.009417634	0.087800817

ENSMUSG00000030844	Rgs10	-0.36663701	0.00942914	0.087800817
ENSMUSG00000030983	Bccip	0.264044275	0.009443836	0.087800817
ENSMUSG00000037622	Wdte1	-0.30773181	0.009432034	0.087800817
ENSMUSG00000054191	Klf1	-0.514565298	0.009421788	0.087800817
ENSMUSG00000036257	Pnpla8	-0.363865179	0.009475297	0.088027423
ENSMUSG00000027509	Rae1	0.226942097	0.00949658	0.088159208
ENSMUSG00000040711	Sh3pxd2b	-0.510120383	0.0095228	0.088204843
ENSMUSG00000047879	Usp14	0.228345511	0.009519024	0.088204843
ENSMUSG00000050312	Nsun3	0.322638335	0.009520917	0.088204843
ENSMUSG00000038150	Ormdl3	-0.325332049	0.009532104	0.088225231
ENSMUSG00000047721	Bola2	0.276716964	0.009543314	0.088263218
ENSMUSG00000019988	Nedd1	-0.266746272	0.009588401	0.088614229
ENSMUSG00000030089	Slc41a3	-0.472296019	0.009617859	0.088771762
ENSMUSG00000035529	Prdm4	-0.446065849	0.00961974	0.088771762
ENSMUSG00000057530	Ece1	-0.053953138	0.009638154	0.088875659
ENSMUSG00000022325	Pop1	0.446018742	0.009651111	0.088910063
ENSMUSG00000024170	Telo2	-0.2679807	0.009656201	0.088910063
ENSMUSG00000029161	Cgref1	-0.48935769	0.009717433	0.089353076
ENSMUSG00000032959	Pebp1	0.267191304	0.009718703	0.089353076
ENSMUSG00000028599	Tnfrsf1b	-0.530071709	0.009738145	0.08940254
ENSMUSG00000031506	Ptpn7	-0.293703089	0.009743478	0.08940254
ENSMUSG00000038780	Smurf1	-0.480226096	0.009745676	0.08940254
ENSMUSG00000002109	Ddb2	-0.33672272	0.009799675	0.089831555
ENSMUSG00000034032	Rpap1	-0.402960304	0.009808798	0.089848878
ENSMUSG00000001248	Gramd1a	-0.259483399	0.009830332	0.089979772
ENSMUSG00000025737	Wdr24	-0.46248669	0.00984106	0.089993345
ENSMUSG00000083439	Gm14491	0.304804686	0.009846305	0.089993345
ENSMUSG00000031162	Gata1	-0.490015758	0.009874713	0.090186626
ENSMUSG00000032399	Rpl4	0.258802626	0.009891996	0.090278096
ENSMUSG00000024570	Rbfa	0.214770726	0.009921443	0.090413972
ENSMUSG00000026409	Pfkfb2	-0.230100568	0.009917944	0.090413972
ENSMUSG00000038357	Camp	-0.470844707	0.009963436	0.090597247
ENSMUSG00000045757	Zfp764	-0.395086443	0.009956757	0.090597247
ENSMUSG00000082516	Gm13342	-0.468223531	0.009960247	0.090597247
ENSMUSG00000002957	Ap2a2	-0.295614882	0.0100084	0.090890889
ENSMUSG00000035150	Eif2s3x	0.441000109	0.010010364	0.090890889
ENSMUSG00000020224	Llph	0.238887891	0.010025981	0.090966183
ENSMUSG00000025138	Sirt7	-0.241334691	0.010092205	0.091500204
ENSMUSG00000021483	Cdk20	-0.470316985	0.01012332	0.091715356
ENSMUSG00000096719	Mrgpra2b	0.349635148	0.010202803	0.092368083
ENSMUSG00000038593	Tctn1	-0.413584443	0.010217962	0.092394873
ENSMUSG00000039000	Ube3c	-0.328676499	0.010224671	0.092394873
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ENSMUSG0000000581	C1d	0.194821625	0.010241095	0.092445234
ENSMUSG00000018415	Gid4	-0.316296637	0.010256867	0.092458889
ENSMUSG00000027285	Haus2	0.245692856	0.010257495	0.092458889
ENSMUSG00000023015	Racgap1	-0.363104938	0.0103324	0.092730301
ENSMUSG00000024006	Stk38	-0.266810106	0.010302579	0.092730301
ENSMUSG00000028864	Hgf	-0.439681499	0.010327268	0.092730301
ENSMUSG00000028998	Tomm7	0.208228715	0.010305348	0.092730301
ENSMUSG00000029034	Ints11	-0.253838057	0.010320323	0.092730301
ENSMUSG00000080870	Gm14111	0.169619091	0.010314573	0.092730301
ENSMUSG00000022551	Cyc1	0.291713616	0.010358926	0.092901244
ENSMUSG00000031843	Mphosph6	0.278563582	0.010376667	0.092993203
ENSMUSG0000002948	Map2k7	-0.396881814	0.010400523	0.093139792
ENSMUSG00000025731	Mettl26	0.317554	0.010415208	0.093204103
ENSMUSG00000079941	Gm11273	0.227294751	0.010431752	0.093284945
ENSMUSG00000033318	Gstt2	0.219076431	0.010456831	0.093441938
ENSMUSG00000022855	Senp2	-0.501447581	0.01054169	0.093472357
ENSMUSG00000023505	Cdca3	0.220611071	0.010543396	0.093472357
ENSMUSG00000024940	Ltbp3	-0.244076151	0.01050928	0.093472357
ENSMUSG00000025232	Hexa	-0.213847931	0.010530723	0.093472357
ENSMUSG00000025437	Usp33	-0.342986499	0.010523312	0.093472357
ENSMUSG00000026311	Asb1	0.497753578	0.010559567	0.093472357
ENSMUSG00000033439	Trmt13	-0.290305967	0.01056559	0.093472357
ENSMUSG00000034361	Cpne2	-0.236150029	0.010508886	0.093472357
ENSMUSG00000034602	Mon2	0.507823347	0.010497142	0.093472357
ENSMUSG00000036197	Gxylt1	0.343522674	0.010493334	0.093472357
ENSMUSG00000047719	Ubiad1	-0.319822226	0.010564024	0.093472357
ENSMUSG00000068921	Dap3	0.240452343	0.010470528	0.093472357
ENSMUSG00000079311	Gm3222	0.113880566	0.010477433	0.093472357
ENSMUSG00000113151	Gm48690	0.358196978	0.010548663	0.093472357
ENSMUSG00000010392	Gosr1	0.309577223	0.010615146	0.093591502
ENSMUSG00000023345	Poc1a	0.26476951	0.010613674	0.093591502
ENSMUSG00000027673	Ndufb5	0.26823672	0.010587715	0.093591502
ENSMUSG00000037795	N4bp2	0.443554032	0.010596778	0.093591502
ENSMUSG00000098176	Ccdc166	-0.339862252	0.010616732	0.093591502
ENSMUSG00000038644	Pold1	-0.351518395	0.01063008	0.093642716
ENSMUSG00000098019	Gm2546	0.119421849	0.010649293	0.093745474
ENSMUSG00000039662	Icmt	0.506980262	0.010689062	0.094028923
ENSMUSG00000018102	Hist1h2bc	-0.345291537	0.010729924	0.094268462
ENSMUSG00000024081	Cebpz	0.359282746	0.010731471	0.094268462
ENSMUSG00000036046	5031439G07Rik	-0.47962291	0.010742924	0.094302372
ENSMUSG00000031897	Psmb10	0.199438451	0.01076631	0.094440913
ENSMUSG00000022216	Psme1	0.18535933	0.010787684	0.094561622
ENSMUSG00000067925	Rtl8a	-0.416672702	0.010807671	0.094670012

ENSMUSG00000068205	MacroD2	-0.333199971	0.010842272	0.094906176
ENSMUSG00000040078	Ptges3-ps	0.309355881	0.010872178	0.095100928
ENSMUSG00000020166	Cnot2	-0.296381843	0.010885314	0.095124004
ENSMUSG00000030839	Sergef	0.283546308	0.010890586	0.095124004
ENSMUSG00000060126	Tpt1	0.275054511	0.010897791	0.095124004
ENSMUSG00000058809	Hspd1-ps3	0.210805812	0.010949712	0.095510095
ENSMUSG00000034035	Ccdc17	-0.457142512	0.010990296	0.095796817
ENSMUSG00000045409	Trim39	-0.333335009	0.011017204	0.09596402
ENSMUSG00000032323	Cyp11a1	-0.472532599	0.011087227	0.096506267
ENSMUSG00000022617	Chkb	-0.28279313	0.011096739	0.096521428
ENSMUSG00000029505	Ep400	-0.293078408	0.011117538	0.096599051
ENSMUSG00000064147	Rab44	-0.286788595	0.011121218	0.096599051
ENSMUSG00000021807	Rtraf	0.30252113	0.011145268	0.096672744
ENSMUSG00000074797	ltpa	0.237962677	0.011140534	0.096672744
ENSMUSG00000059326	Csf2ra	-0.344309481	0.01115927	0.096726649
ENSMUSG00000020115	Tbk1	-0.216316085	0.011182356	0.096800899
ENSMUSG00000027947	Il6ra	-0.489361494	0.011183422	0.096800899
ENSMUSG00000034413	Neur1b	-0.215088292	0.011212417	0.096984282
ENSMUSG00000036305	Rpl39-ps	0.479932496	0.011234686	0.097109275
ENSMUSG00000001674	Ddx18	0.340940989	0.011258455	0.097247056
ENSMUSG00000024201	Kdm4b	-0.483734897	0.011337056	0.097789979
ENSMUSG00000080076	Hist1h2aj	0.221176495	0.011333698	0.097789979
ENSMUSG00000050953	Gja1	-0.277311117	0.011359129	0.09791238
ENSMUSG00000024222	Fkbp5	-0.306650293	0.011391021	0.098119189
ENSMUSG00000053334	Ficd	-0.399132813	0.011418701	0.098289455
ENSMUSG00000040964	Arhgef10l	-0.476378222	0.011430271	0.098320909
ENSMUSG00000022283	Pabpc1	0.394359916	0.011460445	0.098400175
ENSMUSG00000022971	Ifnar2	-0.256210972	0.011460039	0.098400175
ENSMUSG00000041506	Rrp9	0.23032403	0.011467735	0.098400175
ENSMUSG00000061360	Phf5a	0.246770954	0.011471174	0.098400175
ENSMUSG00000031903	Pla2g15	-0.391473387	0.011493658	0.098514436
ENSMUSG00000040562	Gstm2	0.445465164	0.011500357	0.098514436
ENSMUSG00000074506	Gm10705	0.287661372	0.011548639	0.098859848
ENSMUSG00000005846	Rsl1d1	0.234195023	0.011598103	0.099146618
ENSMUSG00000028140	Mrpl9	0.303395583	0.011593407	0.099146618
ENSMUSG00000052909	Gm9894	-0.333754568	0.011617274	0.099242201
ENSMUSG00000023262	Acy1	0.279902676	0.011641549	0.099381223
ENSMUSG00000031954	Cfdp1	0.225145633	0.011686976	0.0997005
ENSMUSG00000021591	Glrx	0.21271703	0.011696969	0.099717261
ENSMUSG00000071647	Eml3	-0.465152496	0.011715339	0.099765566
ENSMUSG00000082193	Rpl5-ps1	0.165172645	0.011718699	0.099765566
ENSMUSG00000022792	Yars2	0.28621375	0.011740941	0.09978833
ENSMUSG00000046417	Lrrc75a	-0.458131536	0.011744917	0.09978833

ENSMUSG00000054792	Klhl18	-0.436204637	0.011745474	0.09978833
ENSMUSG00000041720	Pi4ka	0.44969804	0.011771496	0.09994105
ENSMUSG00000098123	Gm4518	0.085805352	0.011787052	0.100004762
ENSMUSG00000001025	S100a6	-0.420594475	0.011840241	0.100387462
ENSMUSG00000062202	Btbd9	-0.227334124	0.011869987	0.100571015
ENSMUSG00000033488	Cryz12	-0.30944669	0.011884797	0.100627857
ENSMUSG00000018500	Adora2b	-0.418095763	0.011917838	0.100770225
ENSMUSG00000027082	Tfpi	0.285329805	0.011914776	0.100770225
ENSMUSG00000062585	Cnr2	-0.387557883	0.01192713	0.10078019
ENSMUSG00000004677	Myo9b	-0.463255171	0.012058507	0.101617429
ENSMUSG00000026087	Mrpl30	0.246085302	0.01205894	0.101617429
ENSMUSG00000064281	Rpl19-ps1	0.286192446	0.012043042	0.101617429
ENSMUSG00000067869	Tcea1-ps1	0.317447594	0.012043767	0.101617429
ENSMUSG00000033781	Asb13	-0.37333869	0.01206836	0.101627864
ENSMUSG00000026809	Spaca9	-0.38374088	0.012087676	0.101721558
ENSMUSG00000060301	2610008E11Rik	-0.456422065	0.012101829	0.10177171
ENSMUSG00000057762	Gm6169	-0.458015572	0.012115276	0.101815863
ENSMUSG00000000290	Itgb2	-0.316026102	0.012126201	0.101838773
ENSMUSG00000067995	Gtf2f2	0.249458002	0.012148576	0.101957748
ENSMUSG00000033039	Micall1	-0.442105256	0.012159368	0.101979413
ENSMUSG00000025580	Eif4a3	0.238293225	0.01220995	0.102152728
ENSMUSG00000037243	Zfp692	-0.273327553	0.012213568	0.102152728
ENSMUSG00000038473	Nos1ap	-0.461472082	0.012221154	0.102152728
ENSMUSG00000040325	Dcaf1	0.387729046	0.012213163	0.102152728
ENSMUSG00000079435	Rpl36a	0.265761393	0.012191042	0.102152728
ENSMUSG00000059900	Tmem40	0.379070164	0.012254242	0.102360417
ENSMUSG00000003808	Farsa	0.260303399	0.012273966	0.102387465
ENSMUSG00000037072	Selenof	0.187465791	0.012273499	0.102387465
ENSMUSG00000050310	Rictor	-0.327204623	0.012316537	0.102673625
ENSMUSG00000004994	Ccdc130	-0.322067877	0.012362557	0.102748337
ENSMUSG00000037722	Gnpnat1	0.210322687	0.012340005	0.102748337
ENSMUSG00000050106	Tmc8	-0.456999189	0.01237361	0.102748337
ENSMUSG00000072704	Smim10l1	0.261903589	0.012375132	0.102748337
ENSMUSG00000093671	Gm20656	0.402616094	0.01237337	0.102748337
ENSMUSG00000113999	Gm47681	0.297064268	0.012358567	0.102748337
ENSMUSG00000072381	Gm10355	0.32321606	0.012393566	0.102832652
ENSMUSG00000032965	lft57	0.321828646	0.01241306	0.102925647
ENSMUSG00000030805	Stx4a	-0.265178558	0.012441525	0.103092847
ENSMUSG00000031422	Morf4l2	0.283723271	0.012481409	0.103354388
ENSMUSG00000036091	Hyal3	-0.451160266	0.012495432	0.103401572
ENSMUSG00000002379	Ndufa11	0.236902526	0.012504626	0.103408763
ENSMUSG00000020097	Sgpl1	-0.286829715	0.012543256	0.103659202
ENSMUSG00000024566	Atp9b	-0.396908552	0.012584177	0.103875356

ENSMUSG00000058799	Nap1l1	0.278357306	0.012586137	0.103875356
ENSMUSG00000055707	Klhl26	-0.382543911	0.012644545	0.104288106
ENSMUSG00000027189	Trim44	-0.321853642	0.012679707	0.104468361
ENSMUSG00000048154	Kmt2d	-0.376133496	0.012683221	0.104468361
ENSMUSG00000024242	Map4k3	-0.21428713	0.012778307	0.105094667
ENSMUSG00000027746	Ufm1	0.217565961	0.012772283	0.105094667
ENSMUSG00000031065	Cdk16	-0.292326055	0.012793103	0.105094667
ENSMUSG00000117248	AC122481.2	0.306565434	0.012789244	0.105094667
ENSMUSG00000034308	Sdr42e1	-0.409802292	0.012826454	0.105299
ENSMUSG00000052676	Zmat1	-0.365187605	0.012840123	0.105341592
ENSMUSG00000094777	Hist1h2ap	0.246071179	0.012872256	0.105535507
ENSMUSG00000041775	Mapk1ip1	-0.318893839	0.012937039	0.105996674
ENSMUSG00000021368	Tbc1d7	0.248754112	0.012948815	0.106023227
ENSMUSG00000035828	Pim3	-0.300755462	0.012965716	0.106030974
ENSMUSG00000070953	Rabepk	0.259354029	0.012966834	0.106030974
ENSMUSG00000025701	Alox5	-0.421137955	0.012976734	0.106042113
ENSMUSG00000003198	Zfp959	-0.315336704	0.013008117	0.106113028
ENSMUSG00000027810	Eif2a	0.281874656	0.013014583	0.106113028
ENSMUSG00000042492	Tbc1d10b	-0.443998115	0.013000217	0.106113028
ENSMUSG00000045160	Bola3	0.248708688	0.013019584	0.106113028
ENSMUSG00000005069	Pex5	-0.306704228	0.013047092	0.106267492
ENSMUSG00000025264	Tsr2	0.23293755	0.013064607	0.106340423
ENSMUSG00000033316	Galnt9	-0.131087877	0.013090917	0.106484796
ENSMUSG00000022890	Atp5j	0.24165389	0.013117778	0.106633452
ENSMUSG00000010097	Nxf1	-0.254710575	0.013136826	0.106718456
ENSMUSG00000024594	Prrc1	0.229727467	0.013164126	0.106848071
ENSMUSG00000107383	Gm4366	0.395609632	0.013169986	0.106848071
ENSMUSG00000025558	Dock9	0.389407627	0.013187668	0.106921688
ENSMUSG00000024800	Rpp30	0.239717735	0.013196926	0.106926949
ENSMUSG00000028643	Svbp	0.288812416	0.013206551	0.106935184
ENSMUSG00000036990	Otud4	0.431356545	0.013217812	0.106956641
ENSMUSG00000056204	Pgpep1	-0.360435436	0.013236069	0.107034641
ENSMUSG00000062554	Gm12751	0.332219487	0.013250433	0.107081086
ENSMUSG00000061414	Cracr2a	-0.367741648	0.013302569	0.107432512
ENSMUSG00000039159	Ube2h	0.379381805	0.013327407	0.107563173
ENSMUSG00000066724	Gm10175	0.346855333	0.013352802	0.107698152
ENSMUSG00000023249	Parp3	-0.392279032	0.013366502	0.107738691
ENSMUSG00000041658	Rragb	-0.361550708	0.013397941	0.107922066
ENSMUSG00000007034	Slc44a4	0.433171859	0.013441313	0.108131188
ENSMUSG00000041483	Zfp281	-0.273744141	0.013437588	0.108131188
ENSMUSG00000034842	Art3	0.09240541	0.013458999	0.108192604
ENSMUSG00000040809	Chil3	0.421081094	0.013492431	0.108192604
ENSMUSG00000043510	Hscb	0.241315214	0.013488679	0.108192604

ENSMUSG00000052142	Rasal3	-0.386849837	0.0134925	0.108192604
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ENSMUSG00000028318	Polr1e	0.27958364	0.013510838	0.108269753
ENSMUSG00000060550	H2-Q7	-0.435079383	0.013534353	0.108318424
ENSMUSG00000074634	Tmem267	0.438024761	0.013531261	0.108318424
ENSMUSG00000030246	Ldhb	-0.370387481	0.013556528	0.108426034
ENSMUSG00000002550	Uck1	-0.291260571	0.013592145	0.108611717
ENSMUSG00000022620	Arsa	-0.363566611	0.013605976	0.108611717
ENSMUSG00000067916	Zfp991	-0.401827825	0.013601613	0.108611717
ENSMUSG00000081176	H3f3a-ps2	-0.153386492	0.013665036	0.109013109
ENSMUSG00000016308	Ube2a	0.293604131	0.013687901	0.109125427
ENSMUSG00000020153	Ndufs7	0.200169694	0.013727565	0.109265533
ENSMUSG00000029440	Psmid9	0.253152576	0.013731865	0.109265533
ENSMUSG00000044199	S1pr4	-0.424989237	0.013730329	0.109265533
ENSMUSG00000034957	Cebpa	-0.419578597	0.013761068	0.109407407
ENSMUSG00000056904	Gm5620	0.248506702	0.013767312	0.109407407
ENSMUSG00000003970	Rpl8	0.275568111	0.013792635	0.109538571
ENSMUSG00000001157	Gmcl1	-0.227927452	0.013835213	0.109806506
ENSMUSG00000000399	Ndufa9	0.242313806	0.01386742	0.109991843
ENSMUSG00000020346	Mgat1	-0.404292712	0.013920617	0.110202664
ENSMUSG00000034994	Eef2	0.352062975	0.013913284	0.110202664
ENSMUSG00000058745	Gm9174	0.253694922	0.013917201	0.110202664
ENSMUSG00000045636	Mtus1	-0.255301569	0.013956226	0.110414192
ENSMUSG00000047921	Trappc9	-0.334369696	0.013981812	0.110546205
ENSMUSG00000001419	Mef2d	-0.371594456	0.014061379	0.110596857
ENSMUSG00000002668	Dennd1c	-0.402297225	0.014009622	0.110596857
ENSMUSG00000010453	Kansl3	-0.310915726	0.014033794	0.110596857
ENSMUSG00000021131	Erh	0.277491728	0.014046019	0.110596857
ENSMUSG00000027775	Mfsd1	0.222880611	0.014047576	0.110596857
ENSMUSG00000032763	Ilvbl	-0.30142089	0.014053844	0.110596857
ENSMUSG00000039270	Megf9	-0.364743162	0.014047502	0.110596857
ENSMUSG00000041538	H2-Ob	-0.427908604	0.01406566	0.110596857
ENSMUSG00000041966	Dcaf17	-0.246173603	0.014068355	0.110596857
ENSMUSG00000054065	Pkp3	-0.371667809	0.014077446	0.110598332
ENSMUSG00000035637	Grhpr	0.340969442	0.014096298	0.110676435
ENSMUSG00000023118	Sympk	-0.418442365	0.014138435	0.110789601
ENSMUSG00000025980	Hspd1	0.340042943	0.014173148	0.110789601
ENSMUSG00000026436	Elk4	0.411410474	0.014166653	0.110789601
ENSMUSG00000028807	Zbtb8a	-0.317596141	0.014168015	0.110789601
ENSMUSG00000030045	Mrpl19	0.248958	0.014125608	0.110789601
ENSMUSG00000036966	Spryd3	-0.383445718	0.014169546	0.110789601
ENSMUSG00000037661	Gpr160	-0.247059145	0.014131388	0.110789601
ENSMUSG00000084350	Znf41-ps	-0.387112454	0.014288407	0.111620319

ENSMUSG00000112844	Gm47036	0.179150294	0.014321659	0.111809762
ENSMUSG00000046079	Lrrc8d	-0.396824384	0.014357404	0.112018414
ENSMUSG00000040415	Dtx3	-0.407948516	0.014371157	0.112055333
ENSMUSG00000026584	Scyl3	-0.273023432	0.01440791	0.112271421
ENSMUSG00000016256	Ctsz	0.226166785	0.014424502	0.112330246
ENSMUSG00000022300	Dcaf13	0.255635835	0.014528638	0.112683813
ENSMUSG00000024906	Mus81	-0.280627769	0.014523015	0.112683813
ENSMUSG00000025134	Alyref	0.244616763	0.014542481	0.112683813
ENSMUSG00000028982	Slc25a33	0.329631758	0.014500639	0.112683813
ENSMUSG00000032239	Rp9	0.270043761	0.014533892	0.112683813
ENSMUSG00000033669	Zfp7	-0.286442227	0.01451735	0.112683813
ENSMUSG00000034445	Cyb561a3	-0.322794787	0.014535186	0.112683813
ENSMUSG00000070056	Mfhas1	-0.179586575	0.014482181	0.112683813
ENSMUSG00000030822	Prr14	-0.303635878	0.014565116	0.112788843
ENSMUSG00000000579	Dynlt1c	-0.371902794	0.014577473	0.112812517
ENSMUSG00000083087	Gm11249	0.177559319	0.014586338	0.112812517
ENSMUSG00000041939	Mvk	0.370556337	0.014614263	0.112958161
ENSMUSG00000037321	Tap1	-0.313885979	0.014698338	0.113522216
ENSMUSG00000038212	Mfsd14b	-0.270527145	0.014705518	0.113522216
ENSMUSG00000027429	Sec23b	-0.302234725	0.014768289	0.113794615
ENSMUSG00000036698	Ago2	-0.342526346	0.014764089	0.113794615
ENSMUSG00000041695	Kcnj2	0.142039538	0.014750482	0.113794615
ENSMUSG00000022120	Rnf219	0.301776437	0.014807619	0.114026132
ENSMUSG00000049562	Ap5b1	-0.324008118	0.014816696	0.114026132
ENSMUSG00000008682	Rpl10	0.260334111	0.014956703	0.114606546
ENSMUSG00000027384	Ndufaf5	0.300839044	0.014924988	0.114606546
ENSMUSG00000031458	Coprs	0.267708845	0.014933119	0.114606546
ENSMUSG00000039067	Psmc7	0.24671499	0.014949369	0.114606546
ENSMUSG00000039414	Heatr5b	0.405135892	0.01490651	0.114606546
ENSMUSG00000041879	lpo9	-0.40832645	0.014943032	0.114606546
ENSMUSG00000074800	Gm4149	0.221079751	0.014931517	0.114606546
ENSMUSG00000021963	Sap18	0.235991413	0.014996745	0.114842524
ENSMUSG00000065990	Aurkaip1	0.248164419	0.015017192	0.11491172
ENSMUSG00000083708	Gm13123	0.095972498	0.015024284	0.11491172
ENSMUSG00000032691	Nlrp3	-0.155051528	0.01506689	0.115166673
ENSMUSG00000008035	Mid1ip1	-0.282651361	0.015184556	0.115994691
ENSMUSG00000040929	Rfx3	-0.09045605	0.015232493	0.116289367
ENSMUSG00000028964	Park7	0.25599949	0.015256503	0.116401122
ENSMUSG00000051224	Tceanc	0.334552267	0.015300731	0.116595322
ENSMUSG00000059005	Hnrnpa3	0.366527449	0.015292538	0.116595322
ENSMUSG00000042292	Mrtfa	-0.3689304	0.01531374	0.116622908
ENSMUSG00000021831	Ero1l	0.277230692	0.015342746	0.116772214
ENSMUSG00000004552	Ctse	-0.39765024	0.01537952	0.116921682

ENSMUSG00000034758	Tle6	-0.331173177	0.015381212	0.116921682
ENSMUSG00000033728	Lrrc14	-0.312900513	0.015402445	0.117011482
ENSMUSG00000041439	Mfsd6	-0.401015595	0.015422864	0.117023452
ENSMUSG00000073910	Mob3b	-0.329428763	0.015415411	0.117023452
ENSMUSG00000071708	Sms	0.349300283	0.015451697	0.11717065
ENSMUSG00000021271	Zfp839	-0.299334961	0.015510076	0.117501328
ENSMUSG00000034341	Wbp2	-0.245865349	0.015514224	0.117501328
ENSMUSG00000060904	Arl1	0.230270375	0.015539802	0.117623324
ENSMUSG00000001707	Eef1e1	0.244309101	0.015577624	0.117766075
ENSMUSG00000092186	Gm5967	0.214724493	0.015568595	0.117766075
ENSMUSG00000023393	Slc17a9	-0.309932937	0.015605567	0.117905563
ENSMUSG00000024446	Rpp21	0.210763325	0.015648856	0.117969264
ENSMUSG00000024697	Gna14	-0.195447225	0.015654771	0.117969264
ENSMUSG00000030051	Aplf	-0.255720271	0.015651009	0.117969264
ENSMUSG00000035840	Lysmd3	-0.371993333	0.015639959	0.117969264
ENSMUSG00000042289	Hsd3b7	-0.339646366	0.015661486	0.117969264
ENSMUSG00000043051	Disc1	-0.390616795	0.015699151	0.118181306
ENSMUSG00000024844	Banf1	0.216233813	0.015770476	0.118419441
ENSMUSG00000028693	Nasp	0.328641274	0.015778454	0.118419441
ENSMUSG00000032353	Tmed3	0.184699687	0.015746753	0.118419441
ENSMUSG00000039693	Msantd3	0.281072666	0.015754223	0.118419441
ENSMUSG00000058443	Rpl10-ps3	0.329305405	0.015776495	0.118419441
ENSMUSG00000052609	Plekhg3	-0.39476518	0.01581132	0.118594451
ENSMUSG00000054263	Lifr	0.095001701	0.015841814	0.118751464
ENSMUSG00000028138	Adh5	0.191620709	0.015892698	0.11906104
ENSMUSG00000003573	Homer3	-0.362650758	0.01603751	0.119384818
ENSMUSG00000008683	Rps15a	0.288734894	0.016048945	0.119384818
ENSMUSG00000020328	Nudcd2	0.226588187	0.01602283	0.119384818
ENSMUSG00000020803	Txndc17	0.24583146	0.015945736	0.119384818
ENSMUSG00000027533	Fabp5	0.344696218	0.016051256	0.119384818
ENSMUSG00000039737	Prkrip1	0.232333384	0.015977536	0.119384818
ENSMUSG00000041836	Ptpre	-0.236440995	0.01600882	0.119384818
ENSMUSG00000047959	Kcna3	-0.397459936	0.016025393	0.119384818
ENSMUSG00000056643	Chst13	0.300832153	0.016033311	0.119384818
ENSMUSG00000079419	Ms4a6c	-0.328208919	0.016024852	0.119384818
ENSMUSG00000084230	Gm14388	0.273597072	0.016020997	0.119384818
ENSMUSG00000117327	AC114990.1	0.353968354	0.016035887	0.119384818
ENSMUSG00000063785	Utp14a	0.256747508	0.016084136	0.119557783
ENSMUSG00000034345	Gtf2h5	0.248559615	0.016099193	0.119598132
ENSMUSG00000095677	Dynlt1f	0.236008614	0.016109276	0.119601507
ENSMUSG00000014771	Pdcd2	0.263204574	0.016172893	0.119858895
ENSMUSG00000022436	Sh3bp1	-0.299895471	0.016165694	0.119858895
ENSMUSG00000022793	B4galt4	-0.227314434	0.01617015	0.119858895

ENSMUSG00000038762	Abcf1	0.252336237	0.016188284	0.119901419
ENSMUSG00000012429	Mplkip	0.217850735	0.016235117	0.120019923
ENSMUSG00000021417	Eci2	0.242962511	0.016231155	0.120019923
ENSMUSG00000034795	Ccdc122	0.390611986	0.016227411	0.120019923
ENSMUSG00000091655	Gm8741	0.260796544	0.016242935	0.120019923
ENSMUSG00000070858	Gm1673	-0.382515441	0.016256259	0.120046967
ENSMUSG00000059835	Rpl13-ps3	0.216725322	0.016283596	0.120177388
ENSMUSG00000021474	Sfxn1	0.262610415	0.016349851	0.120435062
ENSMUSG00000053931	Cnn3	-0.303459726	0.01636699	0.120435062
ENSMUSG00000056501	Cebpb	-0.233172334	0.016347455	0.120435062
ENSMUSG00000058755	Osm	-0.371622185	0.016359104	0.120435062
ENSMUSG00000082460	Gm13685	0.318591801	0.016365789	0.120435062
ENSMUSG00000004707	Ly9	-0.301399795	0.016393929	0.120561866
ENSMUSG00000066009	Zfp987	-0.063822613	0.016434505	0.120788748
ENSMUSG00000030512	Snrpa1	0.237981648	0.016452537	0.120849772
ENSMUSG00000029632	Ndufa4	0.20104713	0.016521484	0.121245004
ENSMUSG00000081943	Gm9078	0.136765017	0.016525867	0.121245004
ENSMUSG00000068580	Zfyve19	-0.306845639	0.01661449	0.121751377
ENSMUSG00000072940	Gm10443	0.24134738	0.016612843	0.121751377
ENSMUSG00000021427	Ssr1	0.368766505	0.016642856	0.121887335
ENSMUSG00000025949	Pikfyve	-0.337056993	0.01665368	0.12189473
ENSMUSG00000067370	B3galt4	-0.302379085	0.01666378	0.121896824
ENSMUSG00000005823	Gpr108	-0.254167219	0.016725014	0.122272746
ENSMUSG00000022822	Abcc5	-0.307907845	0.016822793	0.122698715
ENSMUSG00000024308	Tapbp	-0.319431792	0.016816704	0.122698715
ENSMUSG00000035919	Bbs9	-0.367488598	0.01680212	0.122698715
ENSMUSG00000095562	Gm21887	0.370896504	0.016810275	0.122698715
ENSMUSG00000036309	Skp1a	0.218075897	0.016955406	0.123593368
ENSMUSG00000035105	Egln3	0.29480044	0.01698547	0.123739894
ENSMUSG00000016534	Lamp2	0.177622745	0.017007689	0.123808842
ENSMUSG00000050108	Bpifc	-0.338161884	0.017014869	0.123808842
ENSMUSG00000039716	Dock3	0.094294219	0.017048664	0.123982119
ENSMUSG00000019139	Isyna1	0.289606434	0.017059022	0.123984849
ENSMUSG00000014668	Chfr	-0.222666494	0.017072541	0.124010546
ENSMUSG00000094017	Gm13160	0.388752086	0.01711843	0.124271198
ENSMUSG00000003233	Dvl3	-0.360004146	0.017185566	0.124685699
ENSMUSG00000034424	Gcsh	0.23803719	0.01722805	0.124848079
ENSMUSG00000079010	Gm11032	-0.340079783	0.017218426	0.124848079
ENSMUSG00000001383	Zmat2	0.238733677	0.017241725	0.124874327
ENSMUSG00000021872	Rnase10	0.374289538	0.017264489	0.124917855
ENSMUSG00000070319	Eif3g	0.265130054	0.017267849	0.124917855
ENSMUSG00000026526	Fh1	0.306363989	0.017311484	0.12508781
ENSMUSG00000091491	Vmn2r97	0.244937383	0.017307801	0.12508781

ENSMUSG00000030007	Cct7	0.209838678	0.017338896	0.125089348
ENSMUSG00000031438	Rnf128	0.356341804	0.017332736	0.125089348
ENSMUSG00000093752	Gm20716	0.006760489	0.017341909	0.125089348
ENSMUSG00000020778	Ten1	0.234264913	0.017376821	0.125221276
ENSMUSG00000022312	Eif3h	0.236654512	0.017380362	0.125221276
ENSMUSG00000031167	Rbm3	0.319405798	0.017408451	0.125350939
ENSMUSG00000053317	Sec61b	0.20411589	0.017434659	0.125466921
ENSMUSG00000083713	Gm5883	0.323946018	0.017464671	0.12561012
ENSMUSG00000030980	Knop1	0.249096788	0.017484599	0.125680671
ENSMUSG00000032750	Gab3	-0.367439816	0.017524702	0.125896079
ENSMUSG00000032536	Trak1	-0.372120466	0.017554743	0.126038995
ENSMUSG00000061393	Acvr2b	-0.219572683	0.01759022	0.12622075
ENSMUSG00000007987	Ift22	0.240187567	0.017668612	0.126418104
ENSMUSG00000022412	Mief1	-0.300869262	0.017649175	0.126418104
ENSMUSG00000031848	Lsm4	0.228312445	0.017661082	0.126418104
ENSMUSG00000074220	Zfp382	-0.356122847	0.017648036	0.126418104
ENSMUSG00000094392	Gm3788	-0.3751566	0.017660997	0.126418104
ENSMUSG00000084845	Tmem240	-0.200711597	0.017684293	0.12645746
ENSMUSG00000032089	Ii10ra	-0.358089954	0.017710262	0.126497509
ENSMUSG00000113753	Gm5791	0.382444952	0.017708486	0.126497509
ENSMUSG00000040151	Hs2st1	-0.269981873	0.017722475	0.126511988
ENSMUSG00000080904	Gm11966	0.253419356	0.017738958	0.126556923
ENSMUSG00000004633	Chn2	-0.322692994	0.017867023	0.127382877
ENSMUSG00000007850	Hnrnp1	0.363703441	0.01787524	0.127382877
ENSMUSG00000055560	Zfp459	0.20200844	0.01790662	0.127513
ENSMUSG00000057666	Gapdh	0.241166674	0.017914031	0.127513
ENSMUSG00000026925	Inpp5e	-0.353216655	0.017937661	0.127608071
ENSMUSG00000019590	Cyb561	0.295913716	0.017973105	0.127664072
ENSMUSG00000025140	Pycr1	-0.30392615	0.018006777	0.127664072
ENSMUSG00000027424	Mgme1	-0.208842562	0.017984338	0.127664072
ENSMUSG00000028102	Pex11b	-0.220270517	0.018003551	0.127664072
ENSMUSG00000042133	Ppig	0.1908415	0.018007202	0.127664072
ENSMUSG00000051220	Ercc6l	-0.266713016	0.017965354	0.127664072
ENSMUSG00000021130	Galnt16	-0.364943784	0.018041706	0.127762845
ENSMUSG00000035933	Cog5	0.332431963	0.018038753	0.127762845
ENSMUSG00000027605	Acss2	-0.360967784	0.018064341	0.127850248
ENSMUSG00000082662	Gm15516	0.246544124	0.018088889	0.127951073
ENSMUSG00000030342	Cd9	-0.230640119	0.018102383	0.127973645
ENSMUSG00000025575	Cant1	-0.364423104	0.018124668	0.127985501
ENSMUSG00000026781	Acbd5	-0.330409973	0.018116258	0.127985501
ENSMUSG00000034765	Dusp5	-0.15634246	0.018154089	0.128120421
ENSMUSG00000061950	Ppp4r1	-0.361245167	0.018263241	0.128817556
ENSMUSG00000053716	Dusp7	-0.352615189	0.018297725	0.128910886

ENSMUSG00000058979	Hdhd5	-0.3032663	0.018317987	0.128910886
ENSMUSG00000060679	Mrps9	0.243393915	0.018313805	0.128910886
ENSMUSG00000068663	Clec16a	-0.266834119	0.018309691	0.128910886
ENSMUSG00000018377	Vezf1	-0.289722975	0.018389918	0.129170762
ENSMUSG00000020423	Btg2	-0.312619535	0.01837268	0.129170762
ENSMUSG00000030527	Crtc3	-0.363301202	0.018394772	0.129170762
ENSMUSG00000046034	Otulin	0.203829329	0.018396512	0.129170762
ENSMUSG00000055541	Lair1	0.234368924	0.018462227	0.129558936
ENSMUSG00000035370	Gm49322	-0.124605503	0.018515856	0.129861913
ENSMUSG00000002660	Clpp	0.215859683	0.018527487	0.129870153
ENSMUSG00000006641	Slc5a6	-0.330537743	0.018674956	0.130824251
ENSMUSG00000020850	Prpf8	0.365246236	0.018693558	0.130824251
ENSMUSG00000021901	Bap1	-0.343042818	0.018695716	0.130824251
ENSMUSG00000026749	Nek6	0.278559754	0.018726795	0.130824251
ENSMUSG00000038895	Zfp653	-0.361634124	0.018724458	0.130824251
ENSMUSG00000084111	Gm15710	0.106836851	0.018725906	0.130824251
ENSMUSG00000039205	Ciz1	-0.292351757	0.018747775	0.130897199
ENSMUSG00000099481	Xndc1	-0.298527719	0.018765375	0.130946477
ENSMUSG00000025854	Fam20c	-0.343573085	0.01883508	0.131359081
ENSMUSG00000055172	C1ra	-0.347451759	0.018855315	0.131426416
ENSMUSG00000054226	Tprkb	0.274723388	0.018917524	0.131712199
ENSMUSG00000090381	Gm6158	0.251273601	0.018915824	0.131712199
ENSMUSG00000027303	Ptptra	-0.234163333	0.018930838	0.131731061
ENSMUSG00000046993	Gm5637	0.314967851	0.018963232	0.131882589
ENSMUSG00000020782	Llgl2	-0.223307381	0.019031659	0.132284406
ENSMUSG00000022744	Cldnd1	-0.246299973	0.019043308	0.132291347
ENSMUSG00000014075	Tctex1d2	0.25303474	0.019078697	0.132463104
ENSMUSG00000001416	Cct3	0.255554657	0.019113783	0.132631618
ENSMUSG00000018678	Sp2	-0.351074627	0.019124324	0.132631618
ENSMUSG00000035437	Rabgap1	-0.294304617	0.019138016	0.132652507
ENSMUSG00000019796	Lrp11	-0.126408568	0.019161113	0.132738528
ENSMUSG00000008200	Fnbp4	-0.259878348	0.019173479	0.132750154
ENSMUSG00000027247	Arhgap1	-0.2497584	0.019243884	0.132860244
ENSMUSG00000033610	Pank1	-0.259666879	0.019200085	0.132860244
ENSMUSG00000039158	Akna	-0.358561261	0.019253558	0.132860244
ENSMUSG00000042323	Pbrm1	-0.202764761	0.019237574	0.132860244
ENSMUSG00000060166	Zdhhc8	-0.333413508	0.019228293	0.132860244
ENSMUSG00000069236	Gm7251	0.156316889	0.019214198	0.132860244
ENSMUSG00000115205	Gm16374	0.172305376	0.019323248	0.133267106
ENSMUSG00000052087	Rgs14	0.256533511	0.019382561	0.133601993
ENSMUSG00000020255	D10Wsu102e	0.271451903	0.019410069	0.133674827
ENSMUSG00000057657	Rps18-ps3	0.359050902	0.019414652	0.133674827
ENSMUSG00000029455	Aldh2	-0.300856108	0.019467516	0.133816281

ENSMUSG00000068184	Ndufaf2	0.266777343	0.019454629	0.133816281
ENSMUSG00000078370	Gm6316	0.113845013	0.019462048	0.133816281
ENSMUSG00000001750	Tcirg1	-0.193182519	0.019523274	0.133924621
ENSMUSG00000015377	Dennd6b	-0.359645169	0.019526406	0.133924621
ENSMUSG00000024191	Bnip1	0.227983187	0.019506762	0.133924621
ENSMUSG00000041328	Pcf11	-0.304715067	0.019511606	0.133924621
ENSMUSG00000084105	Gm13252	0.196831098	0.019562787	0.1341001
ENSMUSG00000032405	Pias1	-0.269794391	0.019589936	0.134212132
ENSMUSG00000021697	Depdc1b	-0.270260389	0.01960968	0.134273341
ENSMUSG00000024014	Pim1	0.32945695	0.019650254	0.134477025
ENSMUSG00000028068	lqgap3	-0.323288113	0.019687498	0.134657716
ENSMUSG00000029722	Agfg2	-0.327633776	0.019709495	0.134733977
ENSMUSG00000032030	Cul5	0.318042248	0.019763812	0.135030975
ENSMUSG00000026848	Tor1b	-0.24932791	0.019797416	0.135118941
ENSMUSG00000079547	H2-DMb1	-0.295381371	0.019798444	0.135118941
ENSMUSG00000003348	Mob3a	-0.283080152	0.019882068	0.135615135
ENSMUSG00000019710	Mrpl24	0.206476106	0.01990407	0.135690699
ENSMUSG00000057193	Slc44a2	-0.285167813	0.019917358	0.135706804
ENSMUSG00000029617	Ccz1	0.24293017	0.019929766	0.135716898
ENSMUSG00000025102	3110040N11Rik	0.219491781	0.019970534	0.135845568
ENSMUSG00000037894	H2afz	0.226397872	0.019969581	0.135845568
ENSMUSG00000033751	Gadd45gip1	0.227163754	0.020000993	0.135956816
ENSMUSG00000042293	Gm5617	-0.317663607	0.020030672	0.135956816
ENSMUSG00000046330	Rpl37a	0.219039297	0.020013877	0.135956816
ENSMUSG00000055809	Dnaaf3	-0.330759966	0.02002002	0.135956816
ENSMUSG00000040888	Gfer	0.251751831	0.020090059	0.13628543
ENSMUSG00000069376	Gm5507	0.125000703	0.020122876	0.136433538
ENSMUSG00000028453	Fancg	-0.329987464	0.020144711	0.136507071
ENSMUSG00000049124	Gm8186	0.257844754	0.020166862	0.136582658
ENSMUSG00000025208	Mrpl43	0.24702748	0.020196211	0.136706889
ENSMUSG00000039810	Zc3h10	-0.293163445	0.020262559	0.137081286
ENSMUSG00000020116	Pno1	0.253056474	0.020341604	0.137466305
ENSMUSG00000069917	Hba-a2	-0.058067665	0.020333659	0.137466305
ENSMUSG00000038991	Txndc5	-0.272181732	0.020357672	0.137500076
ENSMUSG00000027598	ltch	-0.301816758	0.02036979	0.13750715
ENSMUSG00000027288	Zfp106	0.301069646	0.020426627	0.137815933
ENSMUSG00000006058	Snf8	-0.224646256	0.020477887	0.138086774
ENSMUSG00000025290	Rps24	0.216593684	0.020490471	0.138096659
ENSMUSG00000018707	Dync1h1	0.35207718	0.020533589	0.138162357
ENSMUSG00000021832	Psmc6	0.237551706	0.020522853	0.138162357
ENSMUSG00000040383	Aqr	0.339049803	0.020515376	0.138162357
ENSMUSG00000027346	Gpcpd1	-0.334107599	0.020566951	0.138311908
ENSMUSG00000025465	Echs1	0.175099169	0.020610782	0.138437206

ENSMUSG00000030166	Rad52	-0.33130281	0.020628258	0.138437206
ENSMUSG00000037426	Depdc5	-0.350101759	0.020628894	0.138437206
ENSMUSG00000059456	Ptk2b	-0.313290718	0.020630164	0.138437206
ENSMUSG00000023170	Gps2	-0.240408049	0.020656051	0.138536077
ENSMUSG00000008153	Clstn3	-0.335885395	0.020746011	0.139037704
ENSMUSG00000020235	Fzr1	-0.257756045	0.020753233	0.139037704
ENSMUSG00000022474	Pmm1	0.240700466	0.02076714	0.139055873
ENSMUSG00000022438	Parvb	-0.318152971	0.020794394	0.139163344
ENSMUSG00000039617	Gm7488	0.187503189	0.020858612	0.139517942
ENSMUSG00000015312	Gadd45b	0.349817063	0.020870385	0.139521559
ENSMUSG00000113431	Gm6722	0.14502574	0.020890108	0.139578287
ENSMUSG00000039523	Cep104	-0.343865346	0.020908441	0.139625672
ENSMUSG00000028059	Arhgef2	-0.306123975	0.021011761	0.14024024
ENSMUSG00000004317	Clcn5	-0.095233453	0.021028279	0.140275106
ENSMUSG00000047824	Pygo2	-0.323620935	0.021058367	0.140400414
ENSMUSG00000027171	Prrg4	0.102006527	0.021070118	0.140403397
ENSMUSG00000021139	Gm20498	0.264025011	0.021092413	0.140476605
ENSMUSG00000020888	Dvl2	-0.297145305	0.021106346	0.140494067
ENSMUSG00000027582	Zgpat	-0.256009951	0.021225031	0.141208413
ENSMUSG00000056851	Pcbp2	0.331569728	0.021248043	0.141285833
ENSMUSG00000021270	Hsp90aa1	0.341909575	0.021316423	0.141437653
ENSMUSG00000022972	Cfap298	0.24136267	0.021287953	0.141437653
ENSMUSG00000030605	Mfge8	-0.332508155	0.021301222	0.141437653
ENSMUSG00000074635	3110070M22Rik	0.222250228	0.021316209	0.141437653
ENSMUSG00000056091	St3gal5	-0.14039411	0.021355902	0.14162395
ENSMUSG00000023942	Slc29a1	-0.267780969	0.02138104	0.141639507
ENSMUSG00000041168	Lonp1	0.266614046	0.021381054	0.141639507
ENSMUSG00000105143	Gm8069	0.294510762	0.021449725	0.142018676
ENSMUSG00000027546	Atp9a	-0.18705967	0.021535272	0.142433232
ENSMUSG00000028758	Kif17	-0.307492008	0.021530163	0.142433232
ENSMUSG00000003206	Ebi3	-0.237904205	0.021589621	0.142440647
ENSMUSG00000023089	Ndufa5	0.228288852	0.021605776	0.142440647
ENSMUSG00000025358	Cdk2	-0.269081781	0.021578921	0.142440647
ENSMUSG00000032777	Gtf3c1	-0.335284989	0.021613662	0.142440647
ENSMUSG00000044030	Irf2bp1	-0.327258372	0.021572998	0.142440647
ENSMUSG00000048307	Ankrd46	-0.201043879	0.021578916	0.142440647
ENSMUSG00000054277	Arfgap3	-0.312974066	0.021616667	0.142440647
ENSMUSG00000052396	Mogat2	-0.309962812	0.02165113	0.142498378
ENSMUSG00000071654	Uqcc3	0.186482514	0.021659845	0.142498378
ENSMUSG00000080747	Gm14016	0.131345539	0.021642372	0.142498378
ENSMUSG00000100405	Gm28911	0.286427301	0.021677839	0.142541261
ENSMUSG00000045691	Thtpa	-0.312113869	0.021719678	0.142740806
ENSMUSG00000045975	C2cd2	-0.321079262	0.021765291	0.142889366

ENSMUSG00000094111	Nutf2-ps2	0.248152148	0.021764178	0.142889366
ENSMUSG00000004099	Dnmt1	0.259948129	0.021801357	0.142998802
ENSMUSG00000038861	Pi4kb	-0.17562638	0.021804986	0.142998802
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ENSMUSG00000030869	Ndufab1	0.238115555	0.021843789	0.143102162
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ENSMUSG00000026798	Coq4	0.318024991	0.021885167	0.143222158
ENSMUSG00000039367	Sec24c	-0.330861259	0.021911105	0.143240964
ENSMUSG00000044167	Foxo1	-0.340314771	0.021910231	0.143240964
ENSMUSG00000113512	Gm9063	0.34081651	0.021930166	0.14329016
ENSMUSG00000038845	Phb	0.285761447	0.021945952	0.143317914
ENSMUSG00000026608	Kctd3	-0.255598474	0.021975796	0.143422881
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ENSMUSG00000002129	Sf3a1	-0.296707203	0.02200385	0.143469721
ENSMUSG00000116580	Gm9525	0.131180443	0.022028518	0.143555206
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ENSMUSG00000032014	Oaf	-0.318391802	0.02208161	0.143616401
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ENSMUSG00000015013	Trappc2l	0.20305609	0.022198798	0.14388474
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ENSMUSG00000020263	Appl2	-0.331331997	0.02226561	0.144192461
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ENSMUSG00000049086	Bmyc	-0.248641169	0.02232203	0.144407255
ENSMUSG00000029676	Pot1a	-0.308907624	0.022340353	0.14445056
ENSMUSG00000030649	Anapc15	0.207949394	0.022387222	0.144678293
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ENSMUSG00000110444	Gm10033	-0.325754627	0.02248359	0.14499931
ENSMUSG00000007837	Prrg2	-0.329343323	0.022501416	0.145038963
ENSMUSG00000018008	Cyth4	-0.329848247	0.022551122	0.145072594
ENSMUSG00000028796	Phc2	-0.314584082	0.022565031	0.145072594
ENSMUSG00000038034	Igsf8	-0.231556774	0.022536584	0.145072594
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ENSMUSG00000051351	Zfp46	-0.332802127	0.022525379	0.145072594
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ENSMUSG00000005510	Ndufs3	0.209459704	0.022833903	0.146608923

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ENSMUSG00000083097	Gm14494	0.219729978	0.023118106	0.147483304
ENSMUSG00000037306	Man1c1	-0.31663083	0.023168967	0.147731897
ENSMUSG00000001289	Pfdn5	0.19740487	0.023289181	0.148215341
ENSMUSG00000031790	Mmp15	-0.174760673	0.02328186	0.148215341
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ENSMUSG00000037062	Sh3glb1	-0.272719395	0.023341345	0.148222316
ENSMUSG00000024507	Hsd17b4	-0.253044013	0.023387782	0.148365494
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ENSMUSG00000020361	Hspa4	0.223120588	0.023427429	0.148365862
ENSMUSG00000051579	Tceal8	0.246921678	0.023421305	0.148365862
ENSMUSG00000067870	Rpl31-ps8	0.227591355	0.023435619	0.148365862
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ENSMUSG00000027099	Mtx2	0.221196223	0.023521006	0.148830574
ENSMUSG00000037847	Nmrk1	-0.271482882	0.023557089	0.148982997
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ENSMUSG00000046985	Tapt1	-0.244973332	0.023635643	0.149230514
ENSMUSG00000003072	Atp5d	0.250495171	0.023713254	0.14951387
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ENSMUSG00000020289	Nprl3	-0.31566582	0.0237429	0.149624843
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ENSMUSG00000038324	Trpc4ap	-0.236774295	0.02413142	0.151000689
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ENSMUSG00000042810	Krba1	-0.075295513	0.024423017	0.152059295
ENSMUSG00000056413	Adap1	-0.286483468	0.024412303	0.152059295
ENSMUSG00000021932	Rnaseh2b	0.202704904	0.024469147	0.152193928
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ENSMUSG00000036054	Sugp2	-0.278939361	0.024499691	0.152307637
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ENSMUSG00000034437	Gm9761	0.203918881	0.024584088	0.152603174
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ENSMUSG00000014470	Rnf166	-0.236784987	0.024725463	0.153084778
ENSMUSG00000085028	Slc2a4rg-ps	-0.195641352	0.024735621	0.153084778
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ENSMUSG00000033538	Casp4	0.30944755	0.025013353	0.154112527
ENSMUSG00000000958	Slc7a7	-0.300596299	0.025065952	0.154190074
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ENSMUSG00000029413	Naaa	-0.269425931	0.025710273	0.15692742
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ENSMUSG00000044927	H1fx	-0.131492134	0.026154496	0.158470728
ENSMUSG00000026193	Fn1	-0.304407877	0.026171467	0.15849624
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ENSMUSG00000041959	S100a10	-0.235262954	0.026361194	0.159257001
ENSMUSG00000050890	Pdik1l	-0.222513304	0.026349616	0.159257001
ENSMUSG00000021103	Mnat1	0.223641797	0.0264203	0.159527435
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ENSMUSG00000115219	Eef1akmt4	0.241357538	0.026444488	0.159527435
ENSMUSG00000031770	Herpud1	-0.300450188	0.026489258	0.159719936
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ENSMUSG00000037750	Fam222b	-0.253046044	0.026766074	0.16084248
ENSMUSG00000009292	Trpm2	-0.304446192	0.026804421	0.160995024
ENSMUSG00000049553	Polr1a	-0.284534644	0.026838226	0.161120157
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ENSMUSG00000036752	Tubb4b	0.229852253	0.026879434	0.16121171
ENSMUSG00000035476	Tab3	-0.112774894	0.026921511	0.16130829
ENSMUSG00000087403	Kantr	-0.303967377	0.026909897	0.16130829
ENSMUSG00000005686	Ampd3	-0.127836302	0.026936722	0.161321614
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ENSMUSG00000013698	Pea15a	-0.274185614	0.027094524	0.161748862
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ENSMUSG00000029701	Rbm28	0.287810192	0.02711224	0.161748862
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ENSMUSG00000031889	D230025D16Rik	-0.240976648	0.027279744	0.1624361
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ENSMUSG00000072919	Noxred1	0.141795568	0.027375503	0.162832757
ENSMUSG00000057789	Bak1	0.192904626	0.027439926	0.163077184
ENSMUSG00000058838	Rps27a-ps2	0.246803481	0.027510529	0.163418595
ENSMUSG00000022401	Xpnpep3	-0.27410051	0.027580098	0.163626627
ENSMUSG00000029670	Ing3	-0.208751517	0.02758507	0.163626627
ENSMUSG00000114380	Gm47942	0.226507632	0.027581256	0.163626627
ENSMUSG00000032633	Fln	-0.266566876	0.027713333	0.164308979
ENSMUSG00000024260	Sap130	-0.301471145	0.02778263	0.164641246
ENSMUSG00000005417	Mprip	-0.248179129	0.027824828	0.164812682
ENSMUSG00000030591	Psmc8	0.169307358	0.027885633	0.165094113
ENSMUSG00000032459	Mrps22	0.21451577	0.02797589	0.165481931
ENSMUSG00000049421	Zfp260	-0.285637304	0.027977784	0.165481931
ENSMUSG00000057396	Zfp759	-0.105720603	0.028008684	0.165585847
ENSMUSG00000020358	Hnrnpab	0.273721965	0.02806629	0.165689824
ENSMUSG00000031443	F7	0.301812006	0.028049134	0.165689824
ENSMUSG00000040843	Tiprl	0.236190547	0.028062953	0.165689824
ENSMUSG00000020696	Rffl	-0.23724585	0.028109096	0.165748798
ENSMUSG00000025821	Zfp282	-0.291128637	0.028129657	0.165748798

ENSMUSG00000057963	Itpk1	-0.293336216	0.028118122	0.165748798
ENSMUSG00000067714	Lpar5	-0.229529172	0.028115486	0.165748798
ENSMUSG00000020740	Gga3	-0.281007568	0.028152426	0.165804306
ENSMUSG00000070348	Ccnd1	0.29571792	0.028193019	0.165964686
ENSMUSG00000058392	Rrp1b	0.229500903	0.028255482	0.166253598
ENSMUSG00000099313	Gm27152	0.240699799	0.028283096	0.166337282
ENSMUSG00000103906	Tigd5	-0.297215568	0.028313732	0.166438651
ENSMUSG00000005774	Rfx5	-0.29348234	0.028360999	0.166492657
ENSMUSG00000020315	Sptbn1	0.302799798	0.028382195	0.166492657
ENSMUSG00000028042	Zbtb7b	-0.233721795	0.02838994	0.166492657
ENSMUSG00000028849	Map7d1	-0.289550616	0.028387787	0.166492657
ENSMUSG00000096617	Gm5559	0.022230693	0.028383478	0.166492657
ENSMUSG00000002871	Tpra1	-0.232151342	0.028431822	0.166659585
ENSMUSG00000046364	Rpl27a	0.26883759	0.028460111	0.166746714
ENSMUSG00000033083	Tbc1d4	-0.287083827	0.028518967	0.167012773
ENSMUSG00000031216	Stard8	-0.269193227	0.02854983	0.167036004
ENSMUSG00000094974	Rps19-ps2	0.175792699	0.028549716	0.167036004
ENSMUSG00000057363	Uxs1	0.221046167	0.028573762	0.167097315
ENSMUSG00000074547	Rps8-ps4	0.121419333	0.02861215	0.167243063
ENSMUSG00000062376	Borcs7	0.220214764	0.028661275	0.167451407
ENSMUSG00000000948	Gm38393	-0.27824347	0.028727479	0.167631693
ENSMUSG00000019978	Epb41l2	-0.295957857	0.028803737	0.167631693
ENSMUSG00000028468	Rgp1	-0.168716825	0.028772946	0.167631693
ENSMUSG00000033294	Noc4l	0.193117846	0.028787057	0.167631693
ENSMUSG00000038828	Tmem214	-0.260338426	0.028813595	0.167631693
ENSMUSG00000040389	Wdr47	-0.264203552	0.028800554	0.167631693
ENSMUSG00000040447	Spns2	-0.271072695	0.028787786	0.167631693
ENSMUSG00000057948	Unc13d	-0.21582694	0.028735586	0.167631693
ENSMUSG00000061983	Rps12	0.286186571	0.028806141	0.167631693
ENSMUSG00000027341	Tmem230	-0.194059856	0.028889453	0.167915718
ENSMUSG00000030763	Lcmt1	0.235131625	0.02887902	0.167915718
ENSMUSG00000006763	Saal1	0.197516859	0.028925255	0.167928946
ENSMUSG00000078773	Rad54b	-0.257891069	0.028932288	0.167928946
ENSMUSG00000079057	Cyp4v3	-0.254959077	0.028924103	0.167928946
ENSMUSG00000019373	Cops3	0.169059935	0.028961264	0.167940179
ENSMUSG00000031916	Cog8	-0.229671086	0.02895132	0.167940179
ENSMUSG00000022106	Rcbtb2	-0.21141783	0.028990141	0.168029186
ENSMUSG00000042729	Wdr74	0.205616162	0.029004337	0.168033056
ENSMUSG00000021338	Carmil1	-0.165605381	0.029057093	0.168102549
ENSMUSG00000024042	Sik1	-0.101116544	0.029078228	0.168102549
ENSMUSG00000024352	Spata24	0.248465397	0.029093766	0.168102549
ENSMUSG00000027406	ldh3b	0.208696159	0.029094119	0.168102549
ENSMUSG00000030509	Asb7	-0.188825308	0.029065635	0.168102549

ENSMUSG00000035781	R3hdm4	-0.205600965	0.029097535	0.168102549
ENSMUSG00000002968	Med25	-0.219048408	0.029111826	0.168106923
ENSMUSG000000084131	Rpl3-ps2	0.0899872	0.029138483	0.168182667
ENSMUSG000000026342	Slc35f5	-0.241357695	0.029152582	0.168185892
ENSMUSG000000026068	Il18rap	0.250416462	0.029209554	0.168436339
ENSMUSG000000022466	Rpap3	0.205705153	0.029253479	0.168611351
ENSMUSG000000007216	Zfp775	-0.176344692	0.029337147	0.16862411
ENSMUSG000000021376	Tpmt	0.245851886	0.029325725	0.16862411
ENSMUSG000000027952	Pmvk	0.21832178	0.029288254	0.16862411
ENSMUSG000000039704	Lmbrd2	0.105410719	0.029330696	0.16862411
ENSMUSG000000059851	Kmt5c	-0.268796591	0.029320719	0.16862411
ENSMUSG000000079677	Fdx1l	0.253315267	0.029330401	0.16862411
ENSMUSG000000021820	Camk2g	-0.155452086	0.029370533	0.168686919
ENSMUSG000000113308	Gm48445	0.200014978	0.029375236	0.168686919
ENSMUSG000000027423	Snx5	0.240129577	0.029405272	0.168780447
ENSMUSG000000090516	Rps11-ps1	0.218558005	0.0294187	0.168780447
ENSMUSG000000026426	Arl8a	-0.249986532	0.029434094	0.168790806
ENSMUSG000000054715	Zscan22	-0.272754438	0.029450023	0.168804214
ENSMUSG000000003435	Supt5	-0.266229505	0.029575225	0.169443665
ENSMUSG000000042642	Flad1	-0.233523458	0.029593153	0.169468211
ENSMUSG000000019837	Gtf3c6	0.184815776	0.029625033	0.169572597
ENSMUSG000000021830	Txndc16	-0.257847414	0.029717739	0.169943759
ENSMUSG000000021967	Mrpl57	0.1844536	0.029718556	0.169943759
ENSMUSG000000034266	Batf	0.255030228	0.029744604	0.169943759
ENSMUSG000000064179	Tnnt1	0.289904423	0.029733731	0.169943759
ENSMUSG000000057894	Zfp329	-0.261322192	0.029795418	0.170155812
ENSMUSG000000061474	Mrps36	0.189195478	0.02981797	0.170206342
ENSMUSG000000026254	Eif4e2	0.19071185	0.029866725	0.170406338
ENSMUSG000000034729	Mrps10	0.256617109	0.029914246	0.17054899
ENSMUSG000000071660	Ttc9c	-0.250554323	0.029924252	0.17054899
ENSMUSG000000079511	Gm42688	-0.262362986	0.02993292	0.17054899
ENSMUSG000000081087	Rps15a-ps7	0.249320461	0.029964515	0.170613898
ENSMUSG000000108793	Gm45213	0.250216494	0.029971784	0.170613898
ENSMUSG000000021610	Clptm1l	0.193270641	0.030021148	0.170816619
ENSMUSG000000031756	Cenpn	-0.210740796	0.030058661	0.170951753
ENSMUSG000000025995	Wdr75	0.263357227	0.030151464	0.171124668
ENSMUSG000000028552	Eps15	0.225246623	0.030103352	0.171124668
ENSMUSG000000037965	Zc3h7a	-0.216898548	0.030151268	0.171124668
ENSMUSG000000059534	Uqcr10	0.221971535	0.03015795	0.171124668
ENSMUSG000000106883	Gm34091	0.107837461	0.030143406	0.171124668
ENSMUSG000000001588	Acap1	-0.214484539	0.030214411	0.171132331
ENSMUSG000000022801	Lrch3	-0.265016912	0.030182562	0.171132331
ENSMUSG000000031433	Rbm41	0.275889631	0.030205467	0.171132331

ENSMUSG00000032193	Ldlr	-0.270146918	0.030207022	0.171132331
ENSMUSG00000036833	Pnpla7	-0.279128342	0.030240264	0.171200694
ENSMUSG00000024826	Dpf2	-0.297752357	0.030307	0.171500341
ENSMUSG00000037685	Atp8a1	0.25976064	0.030349507	0.171662669
ENSMUSG00000002820	Atg4d	-0.265686445	0.030400975	0.171719197
ENSMUSG00000023882	Zfp54	-0.288313493	0.030376448	0.171719197
ENSMUSG00000038379	Ttk	-0.220527727	0.030389634	0.171719197
ENSMUSG00000015461	Atf6b	-0.28967662	0.030468032	0.171941584
ENSMUSG00000019158	Tmem160	0.175579992	0.030466547	0.171941584
ENSMUSG00000034427	Myo15b	0.09708245	0.030521973	0.171968247
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ENSMUSG00000057278	Snrpg	0.242033634	0.030511865	0.171968247
ENSMUSG00000062729	Ppox	-0.246603623	0.030528137	0.171968247
ENSMUSG00000002413	Braf	-0.247793295	0.030564722	0.172007696
ENSMUSG00000038145	Snrk	-0.277610189	0.030576684	0.172007696
ENSMUSG00000097711	Gm5523	0.099114196	0.030568113	0.172007696
ENSMUSG00000003526	Prodh	0.222837263	0.030670621	0.172392476
ENSMUSG00000031367	Ap1s2	-0.231651584	0.030672842	0.172392476
ENSMUSG00000008206	Cers4	-0.288336238	0.030783409	0.172897211
ENSMUSG00000034210	Efcab14	-0.247245409	0.030790486	0.172897211
ENSMUSG00000031701	Dnaja2	0.221606869	0.030825831	0.173017462
ENSMUSG00000091845	Rpl36-ps12	0.273908856	0.030933615	0.173544009
ENSMUSG00000027751	Supt20	-0.205420932	0.031068254	0.174220672
ENSMUSG00000015176	Nolc1	0.21630698	0.031157048	0.174639753
ENSMUSG00000051615	Rap2a	-0.268629785	0.03123944	0.175022591
ENSMUSG00000059146	Ntrk3	-0.055635064	0.031329801	0.175449709
ENSMUSG00000025871	4833439L19Rik	-0.222155376	0.031350737	0.175486953
ENSMUSG00000030678	Maz	-0.282166336	0.031364708	0.175486953
ENSMUSG00000019952	Poc1b	-0.269710154	0.031401166	0.175532803
ENSMUSG00000063480	Snu13	0.200053939	0.031391385	0.175532803
ENSMUSG00000024121	Atp6v0c	0.220210991	0.031468673	0.175831031
ENSMUSG00000027523	Gnas	-0.279717155	0.031543388	0.175982718
ENSMUSG00000027556	Car1	0.243826706	0.031566661	0.175982718
ENSMUSG00000030126	Tmcc1	-0.244525269	0.031521571	0.175982718
ENSMUSG00000039853	Trim14	-0.253929906	0.031539585	0.175982718
ENSMUSG00000050854	Tmem125	-0.053606949	0.03155459	0.175982718
ENSMUSG00000026600	Soat1	-0.228224823	0.03161803	0.176190021
ENSMUSG00000028549	Itgb3bp	-0.243783781	0.031681045	0.176461999
ENSMUSG00000071291	Zfp58	-0.272723977	0.031727539	0.176641759
ENSMUSG00000021453	Gadd45g	0.288650838	0.031754728	0.176713924
ENSMUSG00000022849	Hspbap1	0.240814289	0.031786407	0.176810998
ENSMUSG00000001280	Sp1	-0.061757001	0.031869227	0.176840005
ENSMUSG00000015656	Hspa8	-0.267399937	0.031837051	0.176840005

ENSMUSG00000029401	Rilpl2	0.243060034	0.031917441	0.176840005
ENSMUSG00000038188	Scarf1	-0.273968377	0.031919756	0.176840005
ENSMUSG00000043284	Tmem11	0.188813933	0.031862059	0.176840005
ENSMUSG00000045795	Whamm	-0.282590013	0.031886906	0.176840005
ENSMUSG00000054079	Utp18	0.20611803	0.03182569	0.176840005
ENSMUSG00000055932	Fto	-0.280270977	0.031857115	0.176840005
ENSMUSG00000110315	Gm8423	0.147769105	0.031906794	0.176840005
ENSMUSG00000000562	Adora3	-0.257961522	0.031935081	0.176846029
ENSMUSG00000026374	Tsn	0.224810797	0.031957544	0.176891556
ENSMUSG00000029432	Nipsnap2	-0.282845917	0.031989639	0.176990335
ENSMUSG00000017485	Top2b	0.25044333	0.032030231	0.177136022
ENSMUSG00000030824	Nucb1	-0.243889902	0.03210012	0.17736833
ENSMUSG00000036879	Phkb	0.214450526	0.032100798	0.17736833
ENSMUSG00000048787	Dcun1d3	-0.191749244	0.032127724	0.177438177
ENSMUSG00000030452	Nipa2	0.210889126	0.032179109	0.177642981
ENSMUSG00000022234	Cct5	0.193231869	0.032222388	0.177723927
ENSMUSG00000029516	Cit	-0.278851039	0.032212945	0.177723927
ENSMUSG00000045257	Morn2	0.277680549	0.032268293	0.17789812
ENSMUSG00000091269	Gm6682	0.145459744	0.032283355	0.177902199
ENSMUSG00000021905	Dph3	0.202543833	0.032346167	0.178169284
ENSMUSG00000032513	Gorasp1	-0.265914735	0.032387863	0.178240872
ENSMUSG00000044496	2510039O18Rik	-0.252751217	0.032376769	0.178240872
ENSMUSG00000059866	Tnip2	-0.264938766	0.032403157	0.178246063
ENSMUSG00000091971	Hspa1a	-0.093661214	0.032457235	0.178464504
ENSMUSG00000116782	Gm46562	0.197417807	0.032471673	0.178464887
ENSMUSG00000019470	Xab2	-0.26100875	0.03249669	0.178523389
ENSMUSG00000040550	Otud6b	0.252367521	0.032517357	0.178557952
ENSMUSG00000073702	Rpl31	0.237178651	0.03255637	0.17869318
ENSMUSG00000025173	Wdr45b	-0.226852137	0.032613571	0.178899338
ENSMUSG00000027668	Mfn1	-0.23661783	0.032631539	0.178899338
ENSMUSG00000039209	Rpl39l	0.069055455	0.032651542	0.178899338
ENSMUSG00000098188	Sowahc	-0.276606591	0.032647866	0.178899338
ENSMUSG00000070808	Bicra	-0.283982342	0.03269025	0.179032449
ENSMUSG00000036381	P2ry14	-0.170230036	0.032717956	0.179105212
ENSMUSG00000018909	Arrb1	-0.270283036	0.032749723	0.179200138
ENSMUSG00000026313	Hdac4	-0.277154858	0.032834119	0.179345907
ENSMUSG00000029875	Ccdc184	0.273503938	0.03283038	0.179345907
ENSMUSG00000040188	Scamp2	-0.194171645	0.032812269	0.179345907
ENSMUSG00000074342	I830077J02Rik	-0.281958599	0.032821113	0.179345907
ENSMUSG00000070705	Eid2b	-0.283824863	0.032862058	0.179394702
ENSMUSG00000085682	Gm14267	0.168894026	0.032871938	0.179394702
ENSMUSG00000020419	Hormad2	-0.119309106	0.032989259	0.179955899
ENSMUSG00000027342	Pcna	0.192345472	0.033144158	0.180642204

ENSMUSG00000044894	Uqcrq	0.215549781	0.0331435	0.180642204
ENSMUSG00000090213	Tmem189	-0.242626031	0.033192337	0.180746175
ENSMUSG00000090523	Gypc	-0.252562782	0.033181511	0.180746175
ENSMUSG00000023055	Calcoco1	-0.197709772	0.033390602	0.181746128
ENSMUSG00000038467	Chmp4b	0.240531792	0.033447279	0.181974881
ENSMUSG00000025225	Nfkb2	-0.278677243	0.033481648	0.182082117
ENSMUSG00000089917	Uckl1	-0.188137285	0.033529343	0.182261694
ENSMUSG00000002308	Cd320	0.21064753	0.0335676	0.182389833
ENSMUSG00000022362	Gm29394	0.277684453	0.033632107	0.182643293
ENSMUSG00000074280	Gm6166	0.278167758	0.033643656	0.182643293
ENSMUSG00000114277	Gm48583	0.267537208	0.033665876	0.182684073
ENSMUSG00000020650	Bcap29	0.251686587	0.033720547	0.182754574
ENSMUSG00000029246	Ppat	0.201631738	0.033722145	0.182754574
ENSMUSG00000031207	Msn	-0.221397568	0.033723008	0.182754574
ENSMUSG00000003032	Klf4	-0.261118239	0.033739059	0.182761817
ENSMUSG00000020973	Dnaaf2	-0.208016327	0.033842293	0.183032719
ENSMUSG00000038533	Cbfa2t2	-0.27591739	0.033805934	0.183032719
ENSMUSG00000050271	Prag1	0.199878469	0.033862748	0.183032719
ENSMUSG00000055805	Fmnl1	-0.278195232	0.033826554	0.183032719
ENSMUSG00000081485	Gm12338	0.208967331	0.033850475	0.183032719
ENSMUSG00000113450	Gm49359	-0.25496496	0.033922128	0.183273923
ENSMUSG00000020149	Rab1a	0.153188196	0.033973141	0.183389999
ENSMUSG00000052406	Rexo4	-0.194726765	0.033961169	0.183389999
ENSMUSG00000015126	Tsr3	0.179339031	0.034073544	0.183852081
ENSMUSG00000028175	Depdc1a	-0.229211368	0.034097981	0.18390405
ENSMUSG00000041236	Vps41	-0.230430248	0.034143239	0.184068215
ENSMUSG00000037509	Arhgef4	-0.27315444	0.034211427	0.184275858
ENSMUSG00000082838	Gm14519	-0.275809336	0.034209076	0.184275858
ENSMUSG00000029552	Tes	0.2709188	0.03423823	0.184340293
ENSMUSG00000026223	Itm2c	-0.263776427	0.034258268	0.184368259
ENSMUSG00000002763	Pex6	-0.264274548	0.034337804	0.184716267
ENSMUSG00000004996	Mri1	0.217983942	0.034451819	0.185249372
ENSMUSG00000040229	Gpr34	-0.148579105	0.034475582	0.185296931
ENSMUSG00000026017	Carf	-0.263147975	0.034514521	0.185425981
ENSMUSG00000049657	Zbtb5	-0.27474542	0.034572462	0.185630443
ENSMUSG00000060181	Slc35e3	-0.268013068	0.034582469	0.185630443
ENSMUSG00000024537	Psmg2	0.201855062	0.034663487	0.185904651
ENSMUSG00000049588	Ccdc69	-0.238054716	0.034649015	0.185904651
ENSMUSG00000021282	Eif5	0.242336254	0.034722595	0.186096267
ENSMUSG00000025451	Paip1	0.231635937	0.034744163	0.186096267
ENSMUSG00000033166	Dis3	0.284060833	0.034736098	0.186096267
ENSMUSG00000025780	Itih5	0.268804647	0.034816676	0.186163555
ENSMUSG00000034075	Zdhhc5	0.268433957	0.034811836	0.186163555

ENSMUSG00000049624	Slc17a5	-0.24090162	0.034784508	0.186163555
ENSMUSG00000083161	Gm11427	0.173859335	0.03480514	0.186163555
ENSMUSG00000014294	Ndufa2	0.173312906	0.034846485	0.186242767
ENSMUSG00000094942	Gm3604	-0.266105656	0.03490402	0.186470035
ENSMUSG00000029086	Prom1	0.272411085	0.034945317	0.186573553
ENSMUSG00000030727	Rabep2	-0.242258214	0.034953438	0.186573553
ENSMUSG00000004945	Tmem242	0.22021484	0.035057864	0.187050571
ENSMUSG00000004105	Angptl2	-0.125033704	0.03511839	0.187293052
ENSMUSG00000044330	Gm9790	0.217627269	0.035160775	0.187327996
ENSMUSG00000079283	2310009B15Rik	0.259681078	0.035170187	0.187327996
ENSMUSG00000082691	Dynlt1-ps1	0.176493818	0.035159489	0.187327996
ENSMUSG00000037419	Endod1	0.273940965	0.035322443	0.188058321
ENSMUSG00000051495	Irf2bp2	-0.241979625	0.035419095	0.188492108
ENSMUSG00000024383	Map3k2	-0.237680003	0.035435158	0.188496828
ENSMUSG00000019897	Ccdc59	0.198343792	0.035488773	0.188701219
ENSMUSG00000011958	Bnip2	0.16883957	0.035539029	0.18872607
ENSMUSG00000025920	Stau2	0.270310019	0.035533286	0.18872607
ENSMUSG00000029998	Pcyox1	-0.20122639	0.035535866	0.18872607
ENSMUSG00000024948	Map4k2	-0.240527833	0.035607987	0.189011457
ENSMUSG00000033107	Rnf125	0.213535785	0.03567755	0.189218978
ENSMUSG00000057561	Eif1a	0.206945534	0.035670351	0.189218978
ENSMUSG00000036504	Phpt1	0.194810106	0.035700108	0.189257807
ENSMUSG00000030323	Ift122	-0.226578294	0.035738339	0.189298895
ENSMUSG00000036882	Arhgap33	-0.116080781	0.035725875	0.189298895
ENSMUSG00000020476	Dbnl	-0.247855703	0.035782192	0.189369668
ENSMUSG00000040479	Dgkz	-0.256945539	0.035776852	0.189369668
ENSMUSG00000074182	Znhit6	0.217856615	0.035807956	0.189425309
ENSMUSG00000079242	C730034F03Rik	-0.268240734	0.035831063	0.189466849
ENSMUSG00000022100	Xpo7	-0.269411556	0.035890141	0.189617796
ENSMUSG00000039656	Rxbp1	-0.263903117	0.035885236	0.189617796
ENSMUSG00000019295	Tmem129	-0.207492017	0.036009549	0.190138177
ENSMUSG00000092281	Hmgb1-ps7	0.166042856	0.036019252	0.190138177
ENSMUSG00000070738	Dgkd	-0.230921007	0.036285775	0.191463727
ENSMUSG00000031532	Saraf	-0.186063204	0.036322928	0.191578379
ENSMUSG00000031613	Hpgd	0.102996563	0.036359029	0.191687391
ENSMUSG00000021607	Mrpl36	0.18970106	0.036410759	0.191797304
ENSMUSG00000039952	Dag1	-0.252329184	0.036398057	0.191797304
ENSMUSG00000027907	S100a11	0.268785978	0.036529235	0.192320052
ENSMUSG00000029136	Rbks	0.21707533	0.036552259	0.192320052
ENSMUSG00000046456	Tmem150b	-0.261757644	0.036556448	0.192320052
ENSMUSG00000018167	Stard3	-0.23382304	0.036597774	0.19245595
ENSMUSG00000031299	Pdha1	0.18065094	0.036649414	0.192645949
ENSMUSG00000083780	Gm12728	0.145064403	0.036803303	0.193373024

ENSMUSG00000003299	Mrpl4	0.161284791	0.03683234	0.19344376
ENSMUSG000000057522	Spop	-0.205054989	0.036867019	0.19354406
ENSMUSG000000033075	Senp1	-0.201845362	0.036916013	0.193631242
ENSMUSG000000035776	Cd99l2	-0.229808031	0.036929557	0.193631242
ENSMUSG000000054717	Hmgb2	0.211708087	0.036930393	0.193631242
ENSMUSG000000026283	Ing5	0.221576762	0.036986035	0.193841157
ENSMUSG000000002565	Scin	-0.16617766	0.037116036	0.194085019
ENSMUSG000000006494	Pdk1	0.235567577	0.037121699	0.194085019
ENSMUSG000000027349	Fam98b	0.209441035	0.037101318	0.194085019
ENSMUSG000000040532	Abhd11	0.207656581	0.03709139	0.194085019
ENSMUSG000000089999	Gm6485	0.264390304	0.037126319	0.194085019
ENSMUSG000000100679	Gm28778	0.1809903	0.037084418	0.194085019
ENSMUSG000000018907	Alox12e	-0.115640365	0.037152565	0.194140517
ENSMUSG000000021116	Eif2s1	0.205284786	0.037206016	0.19418471
ENSMUSG000000030541	Idh2	0.200537097	0.037210459	0.19418471
ENSMUSG000000032870	Smap2	-0.264067271	0.037223557	0.19418471
ENSMUSG000000044857	Lemd2	-0.229430733	0.037176965	0.19418471
ENSMUSG000000040723	Rcsd1	-0.206641557	0.037249386	0.194237875
ENSMUSG000000028101	Pias3	-0.18251668	0.037312944	0.194487656
ENSMUSG000000009575	Cbx5	0.269315689	0.037403646	0.194878644
ENSMUSG000000037275	Gemin5	0.255160085	0.037459028	0.194931829
ENSMUSG000000074272	Ceacam1	-0.235526036	0.037433691	0.194931829
ENSMUSG000000097148	Gm3839	0.148746979	0.037460935	0.194931829
ENSMUSG000000025289	Prdx4	-0.253165034	0.03748205	0.194960029
ENSMUSG000000021661	Ankra2	-0.202450275	0.037516709	0.194977007
ENSMUSG000000074743	Thbd	-0.26814286	0.0375051	0.194977007
ENSMUSG000000020612	Prkar1a	0.219209545	0.037564614	0.195062738
ENSMUSG000000067288	Rps28	0.222201715	0.037551792	0.195062738
ENSMUSG000000041268	Dmxd2	0.249177853	0.037582265	0.195072845
ENSMUSG000000025804	Ccr1	-0.216818641	0.037674137	0.195468026
ENSMUSG000000101932	Gm10074	0.23318238	0.037722083	0.195635071
ENSMUSG000000028234	Rps20	0.232272971	0.037767626	0.195789516
ENSMUSG000000073902	Gm1966	0.26791638	0.037811216	0.195905466
ENSMUSG000000093484	Gm20657	0.251975927	0.037821537	0.195905466
ENSMUSG000000067586	S1pr3	-0.2608942	0.037938487	0.196429322
ENSMUSG000000034192	Lsm3	0.165254695	0.037975846	0.19645897
ENSMUSG000000054808	Actn4	-0.265509314	0.037969094	0.19645897
ENSMUSG000000082674	Gm11914	0.221490948	0.038011214	0.19656007
ENSMUSG000000031976	Urb2	0.253392091	0.038034289	0.196597549
ENSMUSG000000001844	Zdhhc4	0.167692425	0.038143691	0.196671976
ENSMUSG000000017837	Nkiras2	-0.223524607	0.038140295	0.196671976
ENSMUSG000000019808	Adat2	0.243463845	0.038109136	0.196671976
ENSMUSG000000034612	Chst11	0.155231833	0.038108757	0.196671976

ENSMUSG00000068566	Myadm	-0.195531957	0.038098496	0.196671976
ENSMUSG00000106755	Tpi-rs11	0.264369371	0.038114343	0.196671976
ENSMUSG00000034744	Nagk	-0.225062417	0.038211631	0.196940526
ENSMUSG00000003484	Cyp4f18	-0.264833384	0.038247753	0.197044934
ENSMUSG00000033701	Acbd6	0.196296345	0.038294129	0.197202061
ENSMUSG00000033545	Znrf1	-0.233229352	0.038362575	0.197472666
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ENSMUSG00000024675	Ms4a4c	-0.261425241	0.038496019	0.197749814
ENSMUSG00000036777	Anln	-0.224813861	0.038579493	0.198096685
ENSMUSG00000028028	Alpk1	-0.25345729	0.038645682	0.198354553
ENSMUSG00000051234	Rnf7	0.188950542	0.038669727	0.198395984
ENSMUSG00000085371	Gm3160	0.122115217	0.038743184	0.198690786
ENSMUSG00000000149	Gna12	-0.246981138	0.038796837	0.198757302
ENSMUSG00000022808	Snx4	0.202957706	0.038780921	0.198757302
ENSMUSG00000025893	Kbtbd3	-0.238937598	0.038804159	0.198757302
ENSMUSG00000023048	Prr13	-0.257413602	0.038889456	0.19911209
ENSMUSG00000076441	Ass1	-0.212193587	0.038960359	0.199392922
ENSMUSG00000004085	Map3k20	-0.253990357	0.03903436	0.19947057
ENSMUSG00000030876	Mettl9	0.20346988	0.039012644	0.19947057
ENSMUSG00000038534	Osbpl7	-0.256914167	0.039055027	0.19947057
ENSMUSG00000045404	Kcnk13	0.176307339	0.039055827	0.19947057
ENSMUSG00000079426	Arpc4	0.153747527	0.039050739	0.19947057
ENSMUSG00000018809	Smyd4	-0.257973579	0.039185971	0.200009464
ENSMUSG00000026014	Raph1	-0.260901982	0.039206677	0.200009464
ENSMUSG00000039315	Clnk	0.125468346	0.039209649	0.200009464
ENSMUSG00000053101	Gpr141	-0.212050528	0.03924393	0.200102158
ENSMUSG00000032415	Ube2cbp	0.262944549	0.03929291	0.200269693
ENSMUSG00000009905	Kdsr	0.26014896	0.039463231	0.200561699
ENSMUSG00000012123	Crybg2	0.212721915	0.039453071	0.200561699
ENSMUSG00000019782	Rwdd1	0.166568131	0.039436016	0.200561699
ENSMUSG00000020260	Pofut2	-0.232627569	0.039452845	0.200561699
ENSMUSG00000031993	Snx19	-0.26152765	0.039387835	0.200561699
ENSMUSG00000036565	Ttyh3	-0.261875113	0.039402312	0.200561699
ENSMUSG00000059248	Sept9	-0.239898002	0.039415962	0.200561699
ENSMUSG00000031392	Irak1	-0.250223411	0.039481624	0.200573109
ENSMUSG00000075700	Selenot	0.219623009	0.039569491	0.200937307
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ENSMUSG00000020477	Mrps24	0.200409177	0.039693192	0.201236382
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ENSMUSG0000000134	Tfe3	-0.20649917	0.039786786	0.201628587
ENSMUSG00000053436	Mapk14	-0.237258505	0.039817818	0.201703555
ENSMUSG00000001016	Ilf2	0.168302643	0.039923126	0.201819085
ENSMUSG00000003134	Tbc1d8	-0.243702536	0.039992481	0.201819085
ENSMUSG00000021076	Actr10	0.23867128	0.040003107	0.201819085
ENSMUSG00000022098	Bmp1	-0.077980262	0.039983917	0.201819085
ENSMUSG00000033917	Gde1	0.186145971	0.039893906	0.201819085
ENSMUSG00000034807	Colgalt1	-0.219698407	0.039970582	0.201819085
ENSMUSG00000050608	Minos1	0.2129594	0.039943734	0.201819085
ENSMUSG00000073733	Rsg1	-0.259234718	0.039896741	0.201819085
ENSMUSG00000092257	Gm2308	0.118861391	0.039879055	0.201819085
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ENSMUSG00000022677	Fopnl	0.167295324	0.040062127	0.202034785
ENSMUSG00000099835	Gm29668	0.259146933	0.04008429	0.202064517
ENSMUSG00000071172	Srsf3	0.18555446	0.040132709	0.202226525
ENSMUSG00000026858	Miga2	-0.199963109	0.04016859	0.202325244
ENSMUSG00000022748	Cmss1	0.201207019	0.040269358	0.202632657
ENSMUSG00000038622	Med30	0.198719907	0.040258654	0.202632657
ENSMUSG00000043289	Mei4	0.224881978	0.040278563	0.202632657
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ENSMUSG00000033128	Gga1	-0.251708146	0.040391286	0.203035272
ENSMUSG00000061306	Slc38a10	-0.244720966	0.040441726	0.203206585
ENSMUSG00000067212	H2-T23	-0.158029617	0.040501956	0.203426928
ENSMUSG00000059555	Tor4a	-0.237009786	0.040569145	0.203682032
ENSMUSG00000009566	Fpgs	-0.236801131	0.040674212	0.203909374
ENSMUSG00000024925	Rnaseh2c	0.170581686	0.040641034	0.203909374
ENSMUSG00000058655	Eif4b	0.258331104	0.040663476	0.203909374
ENSMUSG00000072582	Ptrh2	0.171409502	0.040680093	0.203909374
ENSMUSG00000027834	Serpini1	-0.256315508	0.040879273	0.204577538
ENSMUSG00000028245	Nsmaf	-0.247199689	0.040875616	0.204577538
ENSMUSG00000034118	Tpst1	-0.256955181	0.040849938	0.204577538
ENSMUSG00000078931	Pdf	0.196549415	0.040874184	0.204577538
ENSMUSG00000052384	Nrros	-0.260784951	0.040919237	0.204695061
ENSMUSG00000031928	Mre11a	-0.201753995	0.040936212	0.204697538
ENSMUSG00000083626	Gm4459	0.212719264	0.040973041	0.204799253
ENSMUSG00000025730	Rab40c	-0.255503427	0.041056825	0.204901527
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ENSMUSG00000033918	Parl	0.218633353	0.041089469	0.204901527
ENSMUSG00000066800	Rnasel	0.258578837	0.041092481	0.204901527
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ENSMUSG00000068262	Gm5879	0.105711593	0.041070741	0.204901527
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ENSMUSG00000029135	Fosl2	-0.252036042	0.041341644	0.205978563

ENSMUSG00000082127	Gm13577	0.201707492	0.041477647	0.206573317
ENSMUSG00000030830	Itgal	-0.25461938	0.04149824	0.20659304
ENSMUSG00000057580	Gm10012	0.224007133	0.041540852	0.206722324
ENSMUSG00000008373	Prpf31	0.181085408	0.041601112	0.206773675
ENSMUSG00000018923	Med11	0.237755107	0.041593962	0.206773675
ENSMUSG00000074916	Chst14	-0.255091009	0.04158064	0.206773675
ENSMUSG00000000384	Tbrg4	-0.255870866	0.041650927	0.206785008
ENSMUSG00000017713	Tha1	-0.233814775	0.041631773	0.206785008
ENSMUSG00000024301	Kifc5b	-0.243034731	0.041653336	0.206785008
ENSMUSG00000050705	2310061I04Rik	-0.199540092	0.041677151	0.206820572
ENSMUSG00000018547	Pip4k2b	-0.149930943	0.041721936	0.20687751
ENSMUSG00000033819	Ppp1r16a	-0.234348354	0.041718696	0.20687751
ENSMUSG00000032293	Ireb2	0.219790743	0.041779681	0.207059505
ENSMUSG00000038280	Ostm1	-0.178244349	0.04179198	0.207059505
ENSMUSG00000060427	Zfp868	-0.247825512	0.041856971	0.207298817
ENSMUSG00000095648	Gm2004	0.135582946	0.041897917	0.207418901
ENSMUSG00000030417	Pdcd5	0.214655874	0.04196101	0.207648489
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ENSMUSG00000064068	Mtx1	0.21147432	0.04210767	0.208125495
ENSMUSG00000029073	Cptp	-0.223500014	0.042126622	0.208136345
ENSMUSG00000031591	Asah1	-0.202126529	0.042150715	0.208172577
ENSMUSG00000006673	Qrich1	-0.204713313	0.042226504	0.208457143
ENSMUSG00000067653	Ankrd23	-0.175798846	0.042258682	0.208457143
ENSMUSG00000091123	Gm17181	0.254736065	0.042258547	0.208457143
ENSMUSG00000029198	Grpel1	0.208034793	0.042278399	0.208471615
ENSMUSG00000027968	Larp7	0.228077736	0.042358391	0.208715635
ENSMUSG00000095325	Zfp870	-0.229482248	0.042361494	0.208715635
ENSMUSG00000033055	Ankrd54	-0.218305538	0.042453747	0.209087227
ENSMUSG00000001751	Naglu	-0.25179154	0.042496921	0.209134014
ENSMUSG00000086240	Gm7846	0.206904526	0.042494343	0.209134014
ENSMUSG00000078886	Gm2026	0.006653881	0.042518263	0.209156175
ENSMUSG00000028648	Ndufs5	0.194053019	0.042563958	0.209298067
ENSMUSG00000030327	Necap1	-0.216416084	0.042672005	0.20974633
ENSMUSG00000022811	Zfp148	-0.231297414	0.042719647	0.209814449
ENSMUSG00000046688	Tifa	-0.238152121	0.042705845	0.209814449
ENSMUSG00000021993	Mipep	0.200454377	0.042747021	0.209865907
ENSMUSG00000054720	Lrrc8c	-0.25051144	0.042876136	0.210416626
ENSMUSG00000030096	Slc6a6	0.204362542	0.042954849	0.210719661
ENSMUSG00000026627	Tmem206	-0.227253574	0.043004131	0.210878132
ENSMUSG00000028394	Pole3	0.224117383	0.043073056	0.211093525
ENSMUSG00000033434	Gtpbp6	-0.252217197	0.043088097	0.211093525
ENSMUSG00000041115	lqsec2	-0.240675032	0.04309904	0.211093525

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ENSMUSG00000019851	Perp	-0.184394521	0.043246242	0.211314543
ENSMUSG00000027787	Nmd3	0.233235305	0.043198348	0.211314543
ENSMUSG00000050428	Fbxo46	-0.251667763	0.043215812	0.211314543
ENSMUSG00000067719	Gm10221	0.158187377	0.043241305	0.211314543
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ENSMUSG00000061650	Med9	0.219980855	0.043306669	0.211447044
ENSMUSG00000050796	B3galt6	-0.205200946	0.043332746	0.211487637
ENSMUSG00000026753	Ppp6c	0.194801325	0.043382074	0.211645222
ENSMUSG00000089818	Gm15950	-0.248497231	0.043425362	0.211773231
ENSMUSG00000011752	Pgam1	0.186992565	0.043479506	0.211930179
ENSMUSG00000027752	Exosc8	0.203723979	0.04349167	0.211930179
ENSMUSG00000060671	Atp8b2	-0.100943279	0.043567353	0.212215721
ENSMUSG00000049233	Apoo-ps	0.226152357	0.043589735	0.212241515
ENSMUSG00000043587	Pxylp1	-0.239085199	0.043684776	0.212537643
ENSMUSG00000096740	Lbhd1	0.204069709	0.043668405	0.212537643
ENSMUSG00000028691	Prdx1	0.155400386	0.043796481	0.212831022
ENSMUSG00000039701	Usp53	0.165475408	0.04376625	0.212831022
ENSMUSG00000066315	Gm12918	0.18779487	0.04378079	0.212831022
ENSMUSG00000020949	Fkbp3	0.208372126	0.043840757	0.212863711
ENSMUSG00000030890	Ilk	-0.223222195	0.043845364	0.212863711
ENSMUSG00000079225	Gm9531	0.217818454	0.04385462	0.212863711
ENSMUSG00000078887	Gm6710	-0.24747263	0.043920222	0.213098858
ENSMUSG00000034850	Tmem127	-0.244011825	0.043964966	0.213232662
ENSMUSG00000020198	Ap3d1	-0.244586157	0.044054727	0.213233872
ENSMUSG00000028718	Stil	-0.243244435	0.044053162	0.213233872
ENSMUSG00000037916	Ndufv1	0.179174471	0.043991598	0.213233872
ENSMUSG00000040282	BC052040	-0.249242273	0.044032956	0.213233872
ENSMUSG00000048327	Ckap2l	-0.19770237	0.044068219	0.213233872
ENSMUSG00000111877	Gm6477	0.140676077	0.044037525	0.213233872
ENSMUSG00000033411	Ctdspl2	-0.214955241	0.044090246	0.213257379
ENSMUSG00000012114	Med15	-0.223843214	0.044143495	0.21343182
ENSMUSG00000028923	Necap2	-0.22345064	0.044179119	0.213520947
ENSMUSG00000029394	Cdk2ap1	0.156859601	0.044208602	0.213580335
ENSMUSG00000025162	Csnk1d	0.224650916	0.044231524	0.213592254
ENSMUSG00000028261	Ndufaf4	0.192783147	0.044245461	0.213592254
ENSMUSG00000033543	Gtf2a2	0.186849799	0.044267074	0.213613568
ENSMUSG00000044783	Hjrp	-0.221895536	0.044348714	0.21392442
ENSMUSG00000026483	Fam129a	-0.244790862	0.044432965	0.214164477
ENSMUSG00000043411	Usp48	-0.199368918	0.044422605	0.214164477
ENSMUSG0000002346	Slc25a42	-0.233582056	0.044467181	0.214246259
ENSMUSG00000009681	Bcr	0.206531958	0.044493199	0.214288491

ENSMUSG00000020736	Nt5c	0.187166524	0.044708894	0.215160469
ENSMUSG00000029119	Man2b2	-0.245266391	0.044694345	0.215160469
ENSMUSG00000024066	Xdh	-0.246064218	0.044745944	0.215255373
ENSMUSG00000027679	Dnajc19	0.204751669	0.044768212	0.215279118
ENSMUSG00000105879	Gm6204	0.096024141	0.044803555	0.215365693
ENSMUSG00000001948	Spa17	0.2405369	0.044822594	0.215373865
ENSMUSG00000022265	Ank	-0.233412	0.044851701	0.21538001
ENSMUSG00000043998	Mgat2	-0.227885148	0.044858553	0.21538001
ENSMUSG00000055312	Them7	0.23875674	0.044877287	0.215386703
ENSMUSG00000004612	Nkg7	0.217707042	0.044916239	0.215481566
ENSMUSG00000048058	Ldlrad3	-0.220320364	0.044949097	0.215481566
ENSMUSG00000078919	Dpm1	0.160159754	0.044934253	0.215481566
ENSMUSG00000068758	Il3ra	-0.217000928	0.045054919	0.215905535
ENSMUSG00000042520	Ubap2l	0.250459212	0.045175222	0.216398548
ENSMUSG00000023025	Larp4	0.239473591	0.045212184	0.216492113
ENSMUSG00000060044	Tmem26	-0.153000237	0.045269759	0.216684267
ENSMUSG00000024535	Snx24	0.162993457	0.045390911	0.216685858
ENSMUSG00000029804	Herc3	-0.083294314	0.045353115	0.216685858
ENSMUSG00000030766	Arhgap17	-0.247266058	0.045290275	0.216685858
ENSMUSG00000030793	Pycard	0.166912641	0.045317439	0.216685858
ENSMUSG00000031984	2810004N23Rik	0.158789883	0.045370871	0.216685858
ENSMUSG00000040423	Rc3h1	-0.229350451	0.045392207	0.216685858
ENSMUSG00000055093	Gm8430	0.190553505	0.045381353	0.216685858
ENSMUSG00000004056	Akt2	-0.24392449	0.045409839	0.216686751
ENSMUSG00000002845	Tmem39a	-0.216372154	0.045455951	0.216823487
ENSMUSG00000055485	Soga1	-0.112819654	0.045516555	0.217029223
ENSMUSG00000024831	Ighmbp2	-0.231196915	0.0456103	0.217238565
ENSMUSG00000033096	Apmap	0.203019494	0.045612928	0.217238565
ENSMUSG00000117359	AC131796.1	0.045746184	0.045583119	0.217238565
ENSMUSG00000040451	Sgms1	-0.220233213	0.045633377	0.217252654
ENSMUSG00000005034	Prkacb	-0.242769402	0.04572206	0.217535757
ENSMUSG00000017291	Taok1	0.211086782	0.045727869	0.217535757
ENSMUSG00000001855	Nup214	0.243334389	0.045826297	0.217837137
ENSMUSG00000094989	Rpl9-ps4	0.22296637	0.045812544	0.217837137
ENSMUSG00000019731	Slc35e1	-0.240460357	0.045949466	0.218339067
ENSMUSG00000023991	Foxp4	-0.189248896	0.046044113	0.218705134
ENSMUSG00000044645	Gm7334	0.245779212	0.046137422	0.218981385
ENSMUSG00000074673	Ttll9	0.246225513	0.046137532	0.218981385
ENSMUSG00000002105	Slc39a13	-0.245037008	0.046167863	0.219041645
ENSMUSG00000048920	Fkrp	-0.222098175	0.046301583	0.219592195
ENSMUSG00000036186	Fam69b	0.220405194	0.046327462	0.219631069
ENSMUSG00000049680	Urgcp	-0.204363487	0.046408165	0.219845848
ENSMUSG00000096722	Hmgb1-ps9	0.086098475	0.046390954	0.219845848

ENSMUSG00000048087	Gm4737	0.231332373	0.046619508	0.22076283
ENSMUSG00000031429	Psmid10	0.189551937	0.046674584	0.22085524
ENSMUSG00000032743	D430042O09Rik	-0.220346273	0.046658896	0.22085524
ENSMUSG00000040249	Lrp1	0.174823438	0.046762473	0.221186855
ENSMUSG00000052155	Acvr2a	-0.106101039	0.046781779	0.221193941
ENSMUSG00000062007	Hsh2d	0.237594232	0.046819523	0.221288165
ENSMUSG00000107068	Gm42742	-0.171432389	0.046869272	0.221439039
ENSMUSG00000020876	Snx11	-0.224301327	0.0468992	0.221496182
ENSMUSG00000021906	Oxnad1	0.190902896	0.04694764	0.221556473
ENSMUSG00000025194	Abcc2	0.11825005	0.046931897	0.221556473
ENSMUSG00000041797	Abca9	-0.243750331	0.047000889	0.221666556
ENSMUSG00000068747	Sort1	0.232970934	0.047006659	0.221666556
ENSMUSG00000002052	Supt6	0.236596893	0.047035683	0.221719249
ENSMUSG00000032348	Gsta4	0.173416843	0.04707727	0.221831097
ENSMUSG00000094396	Vmn2r124	0.244892095	0.047104676	0.221876063
ENSMUSG00000024856	Cdk2ap2	0.186048874	0.047202988	0.222254856
ENSMUSG00000083974	Gm16053	0.22320498	0.047271337	0.222492335
ENSMUSG00000037461	Ints7	-0.188590457	0.04737928	0.222915923
ENSMUSG00000029713	Gnb2	-0.228610874	0.047445588	0.223143374
ENSMUSG00000021939	Ctsb	-0.235188889	0.047516962	0.22339447
ENSMUSG00000022672	Prkdc	-0.236358992	0.047549667	0.223463646
ENSMUSG00000021156	Zmynd11	-0.240419445	0.047624686	0.223646968
ENSMUSG00000070000	Fcho1	-0.24206902	0.047615773	0.223646968
ENSMUSG00000021066	Atl1	-0.084757314	0.0477012	0.223892912
ENSMUSG00000062352	Itgb1bp1	0.166088356	0.04771311	0.223892912
ENSMUSG00000034786	Gpsm3	-0.239844159	0.04775067	0.223984546
ENSMUSG00000024773	Atg2a	-0.240393527	0.047789122	0.224039888
ENSMUSG00000036278	MacroD1	-0.240293373	0.047798543	0.224039888
ENSMUSG00000038446	Cdc40	0.192518558	0.047824781	0.22407831
ENSMUSG00000015619	Gata3	-0.031865844	0.047955876	0.224402299
ENSMUSG00000035356	Nfkbiz	-0.050577348	0.047937155	0.224402299
ENSMUSG00000055204	Ankrd17	0.203385287	0.047966195	0.224402299
ENSMUSG00000078784	1810022K09Rik	0.170773461	0.047951748	0.224402299
ENSMUSG00000026238	Ptma	0.22611636	0.0480107	0.224450681
ENSMUSG00000061411	Nol4l	-0.231778486	0.048012677	0.224450681
ENSMUSG00000024038	Ndufv3	0.16810857	0.048032261	0.224457756
ENSMUSG00000022498	Txndc11	-0.232636681	0.04812554	0.224809076
ENSMUSG00000090115	Usp49	-0.144582491	0.048162548	0.224897374
ENSMUSG00000054021	Sirt5	0.241850824	0.048253129	0.22523567
ENSMUSG00000109820	Gm45654	0.151374627	0.048279437	0.225273813
ENSMUSG00000059852	Kcng2	-0.099261371	0.048357057	0.225551261
ENSMUSG00000006315	Tmem147	0.19673642	0.048398006	0.225657522
ENSMUSG00000045216	Hs6st1	-0.216367283	0.048432151	0.225731988

ENSMUSG00000027175	Tcp11l1	0.196372386	0.048470644	0.225826658
ENSMUSG00000042757	Tmem108	0.234599095	0.04850787	0.225915357
ENSMUSG00000046798	Cldn12	0.088461054	0.048546435	0.225925543
ENSMUSG00000063320	1190007I07Rik	0.18985412	0.048545587	0.225925543
ENSMUSG00000034255	Arhgap27	-0.161691021	0.048574682	0.225972332
ENSMUSG00000027133	Nop10	0.158148942	0.048599758	0.226004342
ENSMUSG00000040462	Os9	-0.17194817	0.048620909	0.226018079
ENSMUSG00000018736	Ndel1	-0.220426036	0.048676979	0.226077215
ENSMUSG00000037376	Trmt6	0.217966783	0.048706435	0.226077215
ENSMUSG00000068134	Zfp120	-0.209263778	0.048690216	0.226077215
ENSMUSG00000071653	1810009A15Rik	0.207243965	0.048699134	0.226077215
ENSMUSG00000021911	Parg	-0.19803278	0.048729494	0.226099756
ENSMUSG00000022400	Rbx1	0.183682351	0.048830879	0.22614778
ENSMUSG00000023892	Zfp51	-0.240748712	0.048817432	0.22614778
ENSMUSG00000024387	Csnk2b	0.207759194	0.048791915	0.22614778
ENSMUSG00000028337	Coro2a	-0.192851036	0.048768037	0.22614778
ENSMUSG00000087687	Pet100	-0.198479565	0.04882583	0.22614778
ENSMUSG00000025505	Tmem80	-0.207225373	0.048927538	0.226361542
ENSMUSG00000027510	Rbm38	-0.168536646	0.048915896	0.226361542
ENSMUSG00000045078	Rnf216	-0.235996242	0.048931708	0.226361542
ENSMUSG00000029213	Commd8	0.166746653	0.048967155	0.226441188
ENSMUSG00000105081	Gm43110	0.2053606	0.04899055	0.226465064
ENSMUSG00000056216	Cebpg	-0.21071672	0.049039989	0.226609264
ENSMUSG00000011096	Akt1s1	-0.214494595	0.049074882	0.226686168
ENSMUSG00000060992	Copz1	0.22434622	0.049225768	0.227225114
ENSMUSG00000096107	Gm16505	-0.046300195	0.049228144	0.227225114
ENSMUSG00000034121	Mks1	-0.233707204	0.049251642	0.227249125
ENSMUSG00000014232	Cluap1	0.190644572	0.049327081	0.227512691
ENSMUSG00000046731	Kctd11	-0.195839653	0.049414021	0.227829084
ENSMUSG00000007836	Hnrnpa0	0.238757049	0.049469084	0.227998328
ENSMUSG00000021140	Pcnx	0.167311788	0.049524721	0.228170087
ENSMUSG00000025602	Zfp202	-0.22596291	0.049685665	0.228720848
ENSMUSG00000045624	Esf1	0.198376307	0.049696474	0.228720848
ENSMUSG00000083287	Gm13502	-0.236669388	0.049699506	0.228720848
ENSMUSG00000024862	Klc2	-0.062541215	0.049723084	0.2287446
ENSMUSG00000012422	Tmem167	0.163476169	0.049753502	0.228799794
ENSMUSG00000039221	Rpl22l1	0.21717083	0.049773747	0.228808184
ENSMUSG00000028271	Gtf2b	0.236200894	0.049799312	0.228841013
ENSMUSG00000027185	Nat10	0.233341111	0.04986015	0.228970887
ENSMUSG00000098112	Bin2	-0.22005986	0.049864443	0.228970887
ENSMUSG00000050777	Tmem37	0.113910174	0.049957375	0.229312844
ENSMUSG00000021668	Polk	-0.209416044	0.04999847	0.229416697
ENSMUSG00000008036	Ap2s1	0.166830152	0.050055579	0.229593923

ENSMUSG0000000154	Slc22a18	-0.174658829	0.050083705	0.229638133
ENSMUSG00000041895	Wipi1	-0.210908365	0.050149892	0.229856756
ENSMUSG00000022898	Vps26c	-0.195026131	0.050234195	0.230158222
ENSMUSG00000021945	Zmym2	0.19991446	0.050275974	0.230179827
ENSMUSG00000044348	Slc25a53	0.143901499	0.050261496	0.230179827
ENSMUSG00000004651	Tyr	-0.215768097	0.050321093	0.230301511
ENSMUSG00000035572	Dcaf10	-0.233129145	0.050402385	0.230523982
ENSMUSG00000057367	Birc2	-0.212407637	0.050406822	0.230523982
ENSMUSG00000002996	Hbp1	-0.231675603	0.050468049	0.230572303
ENSMUSG00000022125	Cln5	-0.235363843	0.050473077	0.230572303
ENSMUSG00000036693	Nop14	0.210566501	0.050454565	0.230572303
ENSMUSG00000044906	4930503L19Rik	-0.214666713	0.050528644	0.230741282
ENSMUSG00000039942	Ptger4	-0.235974632	0.05061019	0.231028729
ENSMUSG00000000148	Brat1	-0.236766938	0.050643258	0.231092115
ENSMUSG00000045349	Sh2d5	-0.23269711	0.050679851	0.231092115
ENSMUSG00000063765	Chadl	-0.087100837	0.050679891	0.231092115
ENSMUSG00000035161	Ints6	-0.235593126	0.050750754	0.231330316
ENSMUSG00000006906	Stambp	-0.195290521	0.050835924	0.231633535
ENSMUSG00000026219	Trip12	0.206603909	0.050896779	0.231825778
ENSMUSG00000031657	Heatr3	0.213317256	0.050956029	0.231925555
ENSMUSG00000050846	Zfp623	-0.234099199	0.050937673	0.231925555
ENSMUSG00000020086	H2afy2	-0.154990924	0.05104737	0.232171138
ENSMUSG00000029714	Gigyf1	-0.230775765	0.051031113	0.232171138
ENSMUSG00000003099	Ppp5c	-0.215164809	0.051089678	0.23227851
ENSMUSG00000001228	Uhrf1	-0.209495004	0.051191978	0.232372736
ENSMUSG00000031935	Med17	0.175240275	0.051203943	0.232372736
ENSMUSG00000036908	Unc93b1	-0.233342508	0.051176908	0.232372736
ENSMUSG00000061991	Hist1h2af	0.191909852	0.051132764	0.232372736
ENSMUSG00000110331	Nudc-ps1	0.181770722	0.051167011	0.232372736
ENSMUSG00000042909	Olfra648	-0.093608851	0.051242112	0.232461019
ENSMUSG00000027490	E2f1	-0.179733236	0.051266232	0.232485528
ENSMUSG00000036781	Rps27l	0.166577923	0.051319105	0.232640366
ENSMUSG00000003363	Pld3	-0.216419779	0.051403927	0.232790774
ENSMUSG00000030592	Ryr1	0.227578122	0.051427251	0.232790774
ENSMUSG00000033021	Gmppa	-0.158458677	0.051424164	0.232790774
ENSMUSG00000101617	Gm6947	0.234823633	0.051395524	0.232790774
ENSMUSG00000001440	Kpnb1	0.2103901	0.051480007	0.232859857
ENSMUSG00000074811	Hps6	-0.223997986	0.051464334	0.232859857
ENSMUSG00000001666	Ddt	0.214059731	0.051520282	0.232872426
ENSMUSG00000026994	Galnt3	0.170246976	0.051507893	0.232872426
ENSMUSG00000020538	Srebf1	-0.209631893	0.051564739	0.232988585
ENSMUSG00000046668	Cxxc5	-0.22977122	0.051589747	0.233016817
ENSMUSG00000039456	Morc3	0.21812845	0.051677757	0.233112546

ENSMUSG00000041199	Rpusd1	-0.218095291	0.051686012	0.233112546
ENSMUSG00000047098	Rnf31	-0.230509788	0.051673508	0.233112546
ENSMUSG00000098238	Gm8756	0.109067392	0.05167152	0.233112546
ENSMUSG00000037197	Rbm17	0.182572352	0.051792188	0.233421904
ENSMUSG00000046897	Zfp740	-0.209735047	0.051775652	0.233421904
ENSMUSG00000037295	Ldlrap1	-0.223463299	0.051847486	0.233586369
ENSMUSG00000053581	Zfand2a	-0.229516503	0.051950341	0.233964895
ENSMUSG00000078238	Gm12854	0.226304276	0.051994392	0.2339936
ENSMUSG00000096255	Dynlt1b	0.161165361	0.051993511	0.2339936
ENSMUSG00000019761	Krt10	-0.233115454	0.052281536	0.235200638
ENSMUSG00000021028	Mbip	-0.221253022	0.052376002	0.235540305
ENSMUSG00000002699	Lcp2	-0.225081025	0.05242199	0.235661795
ENSMUSG00000025135	Anapc11	-0.21537321	0.05246695	0.235710997
ENSMUSG00000031453	Rasa3	-0.21662736	0.052489865	0.235710997
ENSMUSG00000069272	Hist1h2ae	0.230696498	0.052473054	0.235710997
ENSMUSG00000055850	Rnf181	-0.16465936	0.052600743	0.236123536
ENSMUSG00000024663	Rab3il1	0.229982571	0.052655645	0.236284599
ENSMUSG00000030674	Qprt	-0.115413804	0.052675115	0.236286603
ENSMUSG00000075703	Selenoi	0.209712113	0.052721695	0.23641017
ENSMUSG00000029376	Mthfd2l	-0.232864082	0.052756406	0.236480449
ENSMUSG00000039703	Nploc4	-0.224698267	0.052782249	0.236510934
ENSMUSG00000078653	Cntd1	-0.20841531	0.0528434	0.236699559
ENSMUSG00000070737	Tmem35b	-0.194440451	0.052886961	0.236809279
ENSMUSG00000032497	Lrrfip2	0.208260752	0.05290938	0.236824291
ENSMUSG00000031787	Katnb1	-0.200689059	0.052977088	0.236871277
ENSMUSG00000043631	Ecm2	-0.220076144	0.052971108	0.236871277
ENSMUSG00000053063	Clec12a	0.130395733	0.052968981	0.236871277
ENSMUSG00000039461	Tcta	-0.210368936	0.053014976	0.236955384
ENSMUSG00000029165	Agbl5	-0.198789414	0.053064526	0.237029394
ENSMUSG00000049764	Zfp280b	-0.18457202	0.053072791	0.237029394
ENSMUSG00000110206	Flt3l	-0.143500987	0.053088783	0.237029394
ENSMUSG00000062526	Mppe1	-0.184602499	0.053151216	0.237222872
ENSMUSG00000026939	Tmem141	0.205163382	0.053293797	0.237603105
ENSMUSG00000037573	Tob1	-0.222355278	0.053276066	0.237603105
ENSMUSG00000040877	Wdr25	-0.231037707	0.053262692	0.237603105
ENSMUSG00000071659	Hnrnpul2	0.221838518	0.053340921	0.237727872
ENSMUSG00000021224	Numb	-0.218241364	0.053482114	0.238271641
ENSMUSG00000004748	Mtfp1	0.195423924	0.053569831	0.238551015
ENSMUSG00000024982	Zdhhc6	-0.164815882	0.053654431	0.238551015
ENSMUSG00000028958	Tmub1	-0.214677207	0.053639896	0.238551015
ENSMUSG00000033159	Cnppd1	-0.218537173	0.053594166	0.238551015
ENSMUSG00000038648	Creb3l2	-0.172042465	0.053613419	0.238551015
ENSMUSG00000047003	Zfp41	-0.230166309	0.053660054	0.238551015

ENSMUSG00000032479	Map4	-0.213324262	0.053696802	0.238628971
ENSMUSG00000021423	Ly86	-0.198970599	0.053748733	0.238688958
ENSMUSG00000026275	Ppp1r7	0.204676905	0.053745817	0.238688958
ENSMUSG00000027639	Samhd1	-0.212251106	0.053873572	0.239072395
ENSMUSG00000033852	Gm28042	-0.139280231	0.053868784	0.239072395
ENSMUSG00000022706	Mrpl40	0.156875054	0.053899744	0.239081264
ENSMUSG00000047804	Akap10	-0.218522282	0.053914067	0.239081264
ENSMUSG00000042608	Stk40	-0.153379504	0.053990724	0.239335756
ENSMUSG00000061024	Rrs1	0.18051979	0.054038269	0.239461057
ENSMUSG00000031134	Rbmx	-0.201371561	0.054066675	0.239501485
ENSMUSG00000099998	Gm6501	0.217734639	0.054087913	0.23951015
ENSMUSG00000002603	Tgfb1	-0.183118563	0.054141552	0.23966223
ENSMUSG00000031823	Zdhhc7	-0.223531534	0.054236243	0.239910389
ENSMUSG00000075470	Alg10b	0.127201401	0.05422351	0.239910389
ENSMUSG00000024583	Txnl1	0.173404806	0.054316526	0.240009095
ENSMUSG00000027953	Slc50a1	-0.149587747	0.05429952	0.240009095
ENSMUSG00000029553	Tfec	0.171416285	0.054312278	0.240009095
ENSMUSG00000020576	Nbas	0.158828111	0.054428525	0.240107476
ENSMUSG00000044367	Slc16a13	-0.14067099	0.054411534	0.240107476
ENSMUSG00000068284	Usf3	0.172889858	0.054435444	0.240107476
ENSMUSG00000092260	Zfp963	-0.222657401	0.05439656	0.240107476
ENSMUSG00000098091	Gm16470	0.106695805	0.054378283	0.240107476
ENSMUSG00000048922	Cdca2	-0.158497935	0.054508289	0.240343433
ENSMUSG00000034708	Grn	-0.207583676	0.054534978	0.240375786
ENSMUSG00000036533	Cdc42ep3	-0.138951784	0.054556803	0.240386679
ENSMUSG00000036944	Tmem71	-0.204330567	0.054704487	0.240951928
ENSMUSG00000049916	2610318N02Rik	0.189929355	0.054726258	0.240962373
ENSMUSG00000035671	Zswim4	-0.202051178	0.054837339	0.241253602
ENSMUSG00000037013	Ss18	-0.198238367	0.05485067	0.241253602
ENSMUSG00000110841	Gpx4-ps2	0.168413771	0.054825034	0.241253602
ENSMUSG00000030446	Zfp273	-0.216704716	0.054910178	0.241429848
ENSMUSG00000029780	Nt5c3	0.20457288	0.054953826	0.24145082
ENSMUSG00000046679	C87436	-0.175861204	0.054939694	0.24145082
ENSMUSG00000031754	Nudt21	0.152881772	0.0550584	0.241653847
ENSMUSG00000055302	Mrfap1	0.193097139	0.055034147	0.241653847
ENSMUSG00000071369	Map3k5	-0.218636854	0.05505645	0.241653847
ENSMUSG00000045176	Borcs6	-0.222206673	0.055108808	0.241758239
ENSMUSG00000057672	Pkn1	-0.224314442	0.055121112	0.241758239
ENSMUSG00000020827	Mink1	-0.104488634	0.055149272	0.241796366
ENSMUSG00000027698	Nceh1	-0.222219057	0.055212755	0.241818626
ENSMUSG00000037933	Bicd2	-0.196454685	0.055185549	0.241818626
ENSMUSG00000039623	Ap5z1	-0.217675089	0.055202294	0.241818626
ENSMUSG00000062761	Zfp512	-0.221882095	0.055242334	0.241862895

ENSMUSG00000028270	Gbp2	-0.21300651	0.055296158	0.24201324
ENSMUSG00000001755	Coasy	0.185055062	0.055372233	0.24220737
ENSMUSG00000026615	Eprs	0.182835588	0.055379513	0.24220737
ENSMUSG00000002059	Rab34	0.20075069	0.055404393	0.242230893
ENSMUSG00000020717	Pecam1	-0.202638499	0.055434919	0.242245484
ENSMUSG00000032288	Imp3	0.194757336	0.055446736	0.242245484
ENSMUSG00000031245	Hmgn5	0.186054218	0.055550807	0.242614828
ENSMUSG00000009145	Dqx1	-0.202478826	0.055601957	0.242667573
ENSMUSG00000096472	Cdkn2d	-0.166356051	0.055586794	0.242667573
ENSMUSG00000035007	Rundc1	-0.225589301	0.055701216	0.243015385
ENSMUSG00000110648	Gm38574	0.083990568	0.055730301	0.243056906
ENSMUSG00000071793	2610005L07Rik	-0.216715344	0.055758204	0.243093246
ENSMUSG00000014177	Tvp23b	-0.207565183	0.055790026	0.243146636
ENSMUSG00000021585	Cast	-0.214256746	0.055833961	0.24316747
ENSMUSG00000040528	Milr1	0.167104086	0.055818877	0.24316747
ENSMUSG00000031824	6430548M08Rik	-0.094560924	0.055861603	0.243202584
ENSMUSG00000010277	2610507B11Rik	0.191865531	0.055910704	0.243266322
ENSMUSG00000080866	Gm5687	0.104442891	0.055915413	0.243266322
ENSMUSG00000083875	Gm13831	0.095253866	0.055981561	0.243468827
ENSMUSG00000045427	Hnrnp2	0.146488791	0.056024445	0.243570048
ENSMUSG00000045104	Gm5514	-0.216890511	0.056123087	0.243913526
ENSMUSG00000039232	Stx11	-0.221155478	0.056168718	0.24402646
ENSMUSG00000028013	Ppa2	0.180021111	0.056259135	0.244333817
ENSMUSG00000047843	Bri3	-0.164377111	0.056291767	0.244390085
ENSMUSG00000038623	Tm6sf1	-0.148062267	0.0564251	0.244882596
ENSMUSG00000078861	Zfp931	-0.222490545	0.05644464	0.244882596
ENSMUSG00000036339	Tmem260	-0.22370301	0.056478511	0.24494399
ENSMUSG00000036052	Dnajb5	-0.175319064	0.056532806	0.245093887
ENSMUSG00000027284	Cdan1	-0.225232458	0.056603634	0.245306085
ENSMUSG00000027469	Tpx2	-0.208698052	0.05662125	0.245306085
ENSMUSG00000006728	Cdk4	0.147730328	0.056846807	0.245456343
ENSMUSG00000021286	Zfyve21	-0.200238837	0.056721228	0.245456343
ENSMUSG00000024360	Etf1	0.210053231	0.056801775	0.245456343
ENSMUSG00000029270	Fam69a	-0.214960275	0.056721703	0.245456343
ENSMUSG00000039477	Tnrc18	-0.224326615	0.056853546	0.245456343
ENSMUSG00000040356	Skiv2l	-0.217423446	0.056731519	0.245456343
ENSMUSG00000052544	St6galnac3	-0.175284393	0.056840133	0.245456343
ENSMUSG00000059810	Rgs3	-0.176628029	0.056805001	0.245456343
ENSMUSG00000084353	Gm15452	0.181935879	0.056847554	0.245456343
ENSMUSG00000098208	Gm8349	0.095322514	0.056752744	0.245456343
ENSMUSG00000006463	Zdhhc24	-0.221146125	0.056981676	0.245924046
ENSMUSG00000001105	lft20	0.17830823	0.057028428	0.246040328
ENSMUSG00000006179	Prss16	0.195504672	0.057090031	0.246061575

ENSMUSG00000026005	Rpe	0.189314743	0.057156097	0.246061575
ENSMUSG00000028256	Odf2l	0.218385107	0.057218482	0.246061575
ENSMUSG00000028466	Creb3	-0.203099123	0.057141869	0.246061575
ENSMUSG00000031669	Gins3	-0.203246256	0.057236887	0.246061575
ENSMUSG00000034832	Tet3	0.199135604	0.057251264	0.246061575
ENSMUSG00000037552	Plekhg2	-0.121602718	0.057053889	0.246061575
ENSMUSG00000044991	Shld1	-0.224225163	0.057225349	0.246061575
ENSMUSG00000046722	Cdc42se1	-0.153217702	0.057126417	0.246061575
ENSMUSG00000093904	Tomm20	0.173971422	0.057247079	0.246061575
ENSMUSG00000101610	Gm7560	0.091617132	0.057192421	0.246061575
ENSMUSG00000029777	Gars	0.175056925	0.0573239	0.246235954
ENSMUSG00000038990	Cables2	-0.219374246	0.057331485	0.246235954
ENSMUSG00000078921	Tgtp2	-0.160359132	0.057416477	0.246515751
ENSMUSG00000029319	Coq2	0.17860051	0.057541155	0.246830321
ENSMUSG00000038055	Dexi	-0.209624738	0.057549361	0.246830321
ENSMUSG00000039183	Nubp2	0.176842668	0.05753478	0.246830321
ENSMUSG00000028702	Rad54l	-0.222997128	0.057589955	0.24691917
ENSMUSG00000033760	Rbm4b	-0.208269512	0.057667162	0.247164881
ENSMUSG00000001517	Foxm1	-0.200078041	0.057829413	0.247414898
ENSMUSG00000009633	G0s2	0.210816071	0.057750578	0.247414898
ENSMUSG00000025047	Pdcd11	0.202062114	0.057897409	0.247414898
ENSMUSG00000026634	Angel2	-0.180883614	0.057953173	0.247414898
ENSMUSG00000028343	Erp44	0.193930161	0.057810663	0.247414898
ENSMUSG00000037373	Ctbp1	-0.19972804	0.057964524	0.247414898
ENSMUSG00000037960	Card19	-0.194008426	0.057871835	0.247414898
ENSMUSG00000040435	Ppp1r15a	-0.193217693	0.057933003	0.247414898
ENSMUSG00000063406	Tmed5	0.178776236	0.057952682	0.247414898
ENSMUSG00000079037	Prnp	-0.143224569	0.057779328	0.247414898
ENSMUSG00000081665	Gm15922	-0.090875214	0.057869337	0.247414898
ENSMUSG00000111162	Gm7293	0.105750808	0.057789679	0.247414898
ENSMUSG00000027215	Cd82	-0.222951752	0.057988174	0.247430817
ENSMUSG00000021276	Cinp	0.189167525	0.058023539	0.247496694
ENSMUSG00000015342	Xk	0.213753569	0.058060764	0.247570461
ENSMUSG00000038637	Lrrc56	-0.126341586	0.058091317	0.247615735
ENSMUSG00000034110	Kctd7	-0.19467949	0.05813807	0.247645052
ENSMUSG00000034854	Mfsd12	-0.190395525	0.058130883	0.247645052
ENSMUSG00000020917	Acly	-0.205484233	0.058247861	0.2479879
ENSMUSG00000040048	Ndufb10	0.173786768	0.058258489	0.2479879
ENSMUSG00000029715	Pop7	0.181525585	0.058391205	0.248463217
ENSMUSG00000039682	Lap3	0.182017764	0.05841016	0.248463217
ENSMUSG00000083854	Dnajc19-ps	0.218482463	0.058445958	0.248530382
ENSMUSG00000024622	Hmgxb3	-0.219428065	0.058659312	0.249181706
ENSMUSG00000026502	Desi2	0.206224469	0.058638707	0.249181706

ENSMUSG00000069206	Zfp874a	-0.221914676	0.058648062	0.249181706
ENSMUSG00000057637	Prdm2	0.209313988	0.058688722	0.249221408
ENSMUSG00000105408	Gm7285	-0.221068094	0.058740518	0.24935611
ENSMUSG00000004865	Srpk1	0.179513185	0.058770289	0.249386797
ENSMUSG00000024899	Papss2	-0.216369263	0.058787903	0.249386797
ENSMUSG00000071256	Zfp213	-0.209866642	0.058812716	0.249406876
ENSMUSG00000103933	Gm36964	0.223186814	0.058856551	0.249507584
ENSMUSG00000027134	Lpcat4	0.217704063	0.058962422	0.249871118
ENSMUSG00000018239	Zcchc10	0.189361661	0.059030479	0.250074209
ENSMUSG00000000184	Ccnd2	0.222315152	0.059222042	0.250279825
ENSMUSG00000001741	Ii16	-0.207321877	0.059215468	0.250279825
ENSMUSG00000021754	Map3k1	-0.221387479	0.059153001	0.250279825
ENSMUSG00000027893	Ahcyl1	-0.198402979	0.059117562	0.250279825
ENSMUSG00000031399	Fam3a	-0.189666891	0.059190924	0.250279825
ENSMUSG00000036992	Nxt1	0.159550281	0.059318954	0.250279825
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ENSMUSG00000042460	C1galt1	0.214703435	0.059312981	0.250279825
ENSMUSG00000054951	9130008F23Rik	-0.170695762	0.059320812	0.250279825
ENSMUSG00000069893	9930111J21Rik1	-0.169875179	0.059249207	0.250279825
ENSMUSG00000096810	Gm10481	0.10479575	0.059244828	0.250279825
ENSMUSG00000110344	Gm45716	0.212217539	0.059181982	0.250279825
ENSMUSG00000026811	St6galnac6	-0.20897042	0.059391435	0.250492706
ENSMUSG00000000167	Pih1d2	0.186364419	0.059432189	0.250579505
ENSMUSG00000066684	Pilrb1	0.220343734	0.05954842	0.250984367
ENSMUSG00000032496	Ltf	-0.039911362	0.059725534	0.251625232
ENSMUSG00000035112	Wnk4	-0.06410006	0.059740988	0.251625232
ENSMUSG00000025366	Esy1	-0.196470477	0.059847432	0.251988121
ENSMUSG00000055491	Pprc1	-0.220137418	0.059900128	0.25212453
ENSMUSG00000033216	Eefsec	-0.158399742	0.059935307	0.252187145
ENSMUSG00000001211	Agpat3	-0.219271478	0.060068055	0.252660111
ENSMUSG00000021340	Gpld1	0.112744253	0.060145195	0.252898939
ENSMUSG00000020664	Dld	0.154010984	0.060233876	0.253101634
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ENSMUSG00000030612	Mrpl46	0.196986774	0.060336039	0.253101634
ENSMUSG00000047649	Cd3eap	0.191749944	0.060289359	0.253101634
ENSMUSG00000057836	Xlr3a	-0.062720814	0.06032708	0.253101634
ENSMUSG00000072640	Lym9	0.202960961	0.060291902	0.253101634
ENSMUSG00000096519	Gm10721	-0.054966284	0.060335863	0.253101634
ENSMUSG00000003420	Fcgrt	-0.047495788	0.06040926	0.2532416
ENSMUSG00000029814	Igf2bp3	0.060776702	0.060410181	0.2532416
ENSMUSG00000027489	Necab3	-0.084388138	0.060439046	0.253277124
ENSMUSG00000022111	Uchl3	0.206018544	0.060502206	0.253434333
ENSMUSG00000055184	Fam72a	0.219599397	0.060517368	0.253434333

ENSMUSG00000026203	Dnajb2	-0.152498191	0.060628959	0.253816075
ENSMUSG00000039196	Orm1	0.123883955	0.060663513	0.253875167
ENSMUSG00000058331	Zfp85	-0.171746906	0.060734874	0.253917157
ENSMUSG00000067767	Clec4b2	-0.210857322	0.060697444	0.253917157
ENSMUSG00000081932	Gm12331	0.110254029	0.060721274	0.253917157
ENSMUSG00000082806	Rpl13-ps1	0.219492243	0.06076835	0.253971627
ENSMUSG00000100235	Gm28557	-0.124756591	0.060932457	0.254571827
ENSMUSG00000052435	Cebpe	-0.18931772	0.061003849	0.254784401
ENSMUSG00000031442	Mcf2l	-0.207645245	0.06107172	0.254896448
ENSMUSG00000039852	Rere	-0.200091203	0.061070515	0.254896448
ENSMUSG00000021990	Spata13	0.164034424	0.061113653	0.254900161
ENSMUSG00000073436	Eme2	-0.205356113	0.061111203	0.254900161
ENSMUSG00000098412	Gm7870	0.099555897	0.061146716	0.254952455
ENSMUSG00000060275	Nrg2	-0.189305872	0.061203108	0.255101948
ENSMUSG00000096006	Gm21596	0.159710872	0.061226932	0.25511564
ENSMUSG00000091614	Gm17657	-0.104264388	0.061411956	0.255800771
ENSMUSG00000041841	Rpl37	0.178771248	0.061512557	0.256133914
ENSMUSG00000029388	Eif2b1	0.174759556	0.061568289	0.256280066
ENSMUSG00000020385	Clk4	-0.183172926	0.061692549	0.256711273
ENSMUSG00000044447	Dock5	0.214786422	0.061785366	0.256925352
ENSMUSG00000073434	Wdr90	-0.173147025	0.061770521	0.256925352
ENSMUSG00000041949	Tango6	-0.213735955	0.061877789	0.257187074
ENSMUSG00000066643	Wdr35	0.11365347	0.061889716	0.257187074
ENSMUSG00000053453	Thoc7	0.153963372	0.061926345	0.25725322
ENSMUSG00000002329	Mdp1	-0.183450298	0.061976041	0.25737359
ENSMUSG00000031634	Ufsp2	0.19866693	0.062109081	0.257667634
ENSMUSG00000062846	Gm14176	0.197614637	0.062098987	0.257667634
ENSMUSG00000079071	Gm14085	0.2178937	0.062103338	0.257667634
ENSMUSG00000028476	Reck	0.15447964	0.062216235	0.258025994
ENSMUSG00000009647	Mcu	0.129403683	0.062328756	0.258248881
ENSMUSG00000079017	Ifi27l2a	-0.072034953	0.062303274	0.258248881
ENSMUSG00000093751	Gm3307	0.096636298	0.062332352	0.258248881
ENSMUSG00000030201	Lrp6	-0.201160415	0.062431546	0.258573604
ENSMUSG00000024797	Vps51	-0.185150001	0.062473065	0.258659314
ENSMUSG00000061684	Rpl21-ps8	0.204230665	0.062679712	0.259428426
ENSMUSG00000074238	Ap1ar	-0.214136297	0.062756688	0.259660501
ENSMUSG00000003344	Btbd2	-0.164597783	0.062832208	0.259703051
ENSMUSG00000022564	Grina	-0.207989781	0.062850605	0.259703051
ENSMUSG00000022771	Ppil2	-0.18605948	0.062793578	0.259703051
ENSMUSG00000034902	Pip5k1c	-0.199247313	0.062809628	0.259703051
ENSMUSG00000054766	Set	0.204603622	0.062912855	0.259873819
ENSMUSG00000030413	Pglyrp1	0.209701263	0.062951514	0.259938247
ENSMUSG00000034800	Zfp661	-0.200223307	0.062970307	0.259938247

ENSMUSG00000013539	Tango2	-0.20335161	0.063017825	0.260006769
ENSMUSG00000015289	Lage3	0.179947237	0.063049705	0.260006769
ENSMUSG00000035232	Pdk3	0.160726101	0.063044418	0.260006769
ENSMUSG00000021242	Npc2	-0.1757648	0.063218182	0.260534907
ENSMUSG00000027944	Hax1	0.186518814	0.063240701	0.260534907
ENSMUSG00000035726	Supt16	0.186485349	0.063222485	0.260534907
ENSMUSG00000029925	Tbxas1	-0.200792245	0.063304636	0.260625418
ENSMUSG00000037049	Smpd1	-0.20631532	0.063291756	0.260625418
ENSMUSG00000059772	Slx1b	0.177326919	0.063411944	0.260980703
ENSMUSG00000026942	Traf2	-0.212710021	0.063486676	0.261201723
ENSMUSG00000023027	Atf1	0.186329008	0.0635892	0.261536907
ENSMUSG00000068706	Gm10250	0.100814627	0.063636164	0.261643426
ENSMUSG00000040209	Zfp704	-0.214168446	0.063726167	0.261926775
ENSMUSG00000041974	Spidr	-0.198170881	0.063773781	0.262035769
ENSMUSG00000004032	Gstm5	0.196835661	0.063953658	0.262388131
ENSMUSG00000024534	Sncaip	-0.048329617	0.063882887	0.262388131
ENSMUSG00000040936	Ulk4	0.193903114	0.063951581	0.262388131
ENSMUSG00000054619	Mettl7a1	-0.209735626	0.063960225	0.262388131
ENSMUSG00000079480	Pin4	0.197906211	0.063965161	0.262388131
ENSMUSG00000038888	Ctu1	-0.207579587	0.064021885	0.262534116
ENSMUSG00000021115	Vrk1	0.163279209	0.064055525	0.262579059
ENSMUSG00000117411	AC132100.1	0.116912453	0.064075125	0.262579059
ENSMUSG00000019975	Ikkip	0.194297676	0.064115968	0.26261576
ENSMUSG00000022791	Tnk2	0.161466388	0.064126367	0.26261576
ENSMUSG00000027091	Zc3h15	0.16923934	0.064229069	0.26286302
ENSMUSG00000082762	Gm12366	0.076630448	0.064220052	0.26286302
ENSMUSG00000033487	Fndc3a	0.212017815	0.064360755	0.263290774
ENSMUSG00000093938	Evi2b	-0.169565705	0.064375983	0.263290774
ENSMUSG00000052551	Adarb2	0.118831454	0.064450967	0.263510686
ENSMUSG00000032783	Troap	-0.181226322	0.064532481	0.263757141
ENSMUSG00000050188	Lsm10	-0.180630064	0.064557211	0.263771422
ENSMUSG00000019853	Hebp2	0.144235624	0.064581727	0.263784819
ENSMUSG00000003814	Calr	0.206505512	0.064763211	0.264260337
ENSMUSG00000013646	Sh3bp5l	-0.21005801	0.064937311	0.264260337
ENSMUSG00000015120	Ube2i	0.165724582	0.06495345	0.264260337
ENSMUSG00000020649	Rrm2	0.159196263	0.064729811	0.264260337
ENSMUSG00000022324	Matn2	-0.211940813	0.064828159	0.264260337
ENSMUSG00000024835	Coro1b	-0.139172276	0.064868706	0.264260337
ENSMUSG00000025066	Sfr1	0.144111023	0.06489842	0.264260337
ENSMUSG00000025261	Huwe1	0.211167958	0.064947728	0.264260337
ENSMUSG00000032484	Ngp	-0.099018094	0.064930835	0.264260337
ENSMUSG00000047767	Atg16l2	-0.213243606	0.064785015	0.264260337
ENSMUSG00000053819	Camk2d	0.20062903	0.064750979	0.264260337

ENSMUSG00000072872	Rybp	-0.210973942	0.064906829	0.264260337
ENSMUSG00000032977	Fam207a	0.163627712	0.065254125	0.265309815
ENSMUSG00000052776	Oas1a	0.188431407	0.065239801	0.265309815
ENSMUSG00000017858	Ift52	0.195054004	0.065342689	0.265582965
ENSMUSG00000027332	Ivd	-0.140708902	0.06543655	0.265877457
ENSMUSG00000031714	Gab1	-0.148185385	0.065509269	0.266085883
ENSMUSG00000027287	Snap23	-0.178380781	0.065614612	0.266339574
ENSMUSG00000029454	Mapkapk5	0.202039181	0.065595771	0.266339574
ENSMUSG00000029312	Klhl8	-0.182703563	0.065666448	0.266462904
ENSMUSG00000003868	Ruvbl2	0.168299102	0.065728884	0.266629153
ENSMUSG00000080772	Gm12543	0.098931923	0.065765924	0.266692309
ENSMUSG00000022285	Ywhaz	0.2127469	0.065812804	0.266795312
ENSMUSG00000020134	Peli1	-0.205303297	0.065918934	0.266998197
ENSMUSG00000026189	Pecr	0.176948179	0.065927338	0.266998197
ENSMUSG00000059658	Gm16379	0.091759773	0.065900549	0.266998197
ENSMUSG00000020919	Stat5b	-0.206766352	0.06597837	0.267117775
ENSMUSG00000030341	Tnfrsf1a	-0.200260042	0.066137157	0.267653675
ENSMUSG00000089803	Gm10171	0.200202395	0.066153835	0.267653675
ENSMUSG00000094955	Gm3699	0.196713348	0.066178636	0.267666832
ENSMUSG00000019494	Cops6	0.167131902	0.066321586	0.268070426
ENSMUSG00000033326	Kdm4a	-0.155908686	0.066310455	0.268070426
ENSMUSG00000000959	Oxa1l	0.199650475	0.06648876	0.268106596
ENSMUSG00000005474	Myl10	-0.119115729	0.066375355	0.268106596
ENSMUSG00000017778	Cox7c	0.181387549	0.066370533	0.268106596
ENSMUSG00000020389	Cdkl3	0.148209677	0.066407368	0.268106596
ENSMUSG00000025130	P4hb	0.205872681	0.066477648	0.268106596
ENSMUSG00000025353	Ormdl2	0.15594202	0.066438206	0.268106596
ENSMUSG00000066324	Impad1	0.195765991	0.066503214	0.268106596
ENSMUSG00000078578	Ube2d3	0.162493437	0.066468851	0.268106596
ENSMUSG00000028524	Sgip1	0.178777384	0.066611303	0.268455224
ENSMUSG00000022678	Nde1	-0.198417391	0.066683877	0.268641866
ENSMUSG00000054580	Pla2r1	0.067411612	0.066700871	0.268641866
ENSMUSG00000040414	Slc25a28	-0.208436311	0.066774147	0.268762696
ENSMUSG00000060260	Pwwp2b	-0.20940089	0.066760255	0.268762696
ENSMUSG00000015943	Bola1	0.188115088	0.066948804	0.269326551
ENSMUSG00000039824	Myl6b	-0.162942603	0.066957603	0.269326551
ENSMUSG00000029290	Zfp326	0.211401644	0.066999633	0.269368081
ENSMUSG00000041763	Tpp2	-0.186100618	0.067011301	0.269368081
ENSMUSG00000031644	Nek1	0.197296844	0.067106147	0.269662067
ENSMUSG00000074802	Gas2l3	-0.176326537	0.067156029	0.26977524
ENSMUSG00000025466	Fuom	0.208020044	0.067210287	0.269785775
ENSMUSG00000056724	Nbeal2	-0.163807372	0.067223812	0.269785775
ENSMUSG00000059323	Tonsl	-0.209377444	0.067180622	0.269785775

ENSMUSG00000022372	Sla	-0.191517451	0.067340522	0.270120387
ENSMUSG00000116895	Gm3435	-0.194231568	0.067350683	0.270120387
ENSMUSG00000020413	Hus1	0.208540675	0.067426838	0.270338527
ENSMUSG00000115505	Gm9247	0.110288906	0.067464817	0.270403513
ENSMUSG00000002416	Ndufb2	0.163509033	0.067588134	0.270810392
ENSMUSG00000025732	Mcrip2	0.185550776	0.067643306	0.27094405
ENSMUSG00000030987	Stim1	-0.206553948	0.067771542	0.271370187
ENSMUSG00000020334	Slc22a4	-0.189274928	0.067798839	0.271392002
ENSMUSG00000023186	Vwa5a	-0.175279143	0.067903857	0.271462441
ENSMUSG00000027552	E2f5	-0.208176466	0.067890641	0.271462441
ENSMUSG00000028703	Lrrc41	-0.189034332	0.067864056	0.271462441
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ENSMUSG00000025184	R3hcc1l	-0.17781923	0.068046562	0.271923205
ENSMUSG00000031546	Gins4	0.147881996	0.068062897	0.271923205
ENSMUSG00000003458	Ncstn	-0.199396311	0.068361549	0.27253759
ENSMUSG00000022667	Cd200r1	-0.198867149	0.068300574	0.27253759
ENSMUSG00000026618	Iars2	0.206121978	0.068344369	0.27253759
ENSMUSG00000030534	Vps33b	-0.188853944	0.068316159	0.27253759
ENSMUSG00000048965	Mrgpre	-0.101251495	0.068370271	0.27253759
ENSMUSG00000078922	Tgtp1	-0.102787018	0.06823869	0.27253759
ENSMUSG00000082588	Gm15443	-0.207945178	0.068322677	0.27253759
ENSMUSG00000028555	Ttc39a	0.12702587	0.068442808	0.272739208
ENSMUSG00000022199	Slc22a17	-0.122673662	0.068594703	0.273090894
ENSMUSG00000026815	Gfi1b	-0.097467444	0.068632206	0.273090894
ENSMUSG00000039396	Neil3	-0.199624698	0.068640993	0.273090894
ENSMUSG00000047735	Samd9l	0.200245741	0.068622925	0.273090894
ENSMUSG00000049225	Pdp1	-0.207111507	0.068585865	0.273090894
ENSMUSG00000031029	Eif3f	0.19964202	0.068735445	0.273204146
ENSMUSG00000049313	Sorl1	0.166917289	0.068706624	0.273204146
ENSMUSG00000074738	Fndc10	-0.139189161	0.068720459	0.273204146
ENSMUSG00000034216	Vps18	-0.205044057	0.068782072	0.273214622
ENSMUSG00000116972	Gm6278	0.078926068	0.068778301	0.273214622
ENSMUSG00000027366	Sppl2a	0.120606889	0.068871385	0.27330718
ENSMUSG00000028851	Nudc	0.164057643	0.068859322	0.27330718
ENSMUSG00000051890	Klhdc1	-0.124198368	0.068843773	0.27330718
ENSMUSG00000002372	Ranbp3	-0.191124321	0.069044396	0.273687474
ENSMUSG00000004565	Pnpla6	-0.134580013	0.069055353	0.273687474
ENSMUSG00000005481	Ddx39	0.198181714	0.069009356	0.273687474
ENSMUSG00000114184	Gm7143	0.092473971	0.069041976	0.273687474
ENSMUSG00000006005	Tpr	0.215724808	0.069132203	0.273808653
ENSMUSG00000033253	Szt2	0.163822365	0.069174105	0.273808653
ENSMUSG00000041117	Ccdc8	-0.117965827	0.069145389	0.273808653
ENSMUSG00000068922	Msto1	0.194764157	0.069169898	0.273808653

ENSMUSG00000116165	Pdpx	-0.180092696	0.069219552	0.273901259
ENSMUSG00000006395	Hyi	-0.206541837	0.069289711	0.274004298
ENSMUSG00000034165	Ccnd3	-0.197460587	0.069279455	0.274004298
ENSMUSG00000025035	Arl3	-0.206387342	0.069347378	0.274026501
ENSMUSG00000042726	Trafd1	-0.189032388	0.069382053	0.274026501
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ENSMUSG00000096171	Gm8055	0.111887901	0.069374366	0.274026501
ENSMUSG00000031917	Nip7	0.187172779	0.069484107	0.274336332
ENSMUSG00000078880	Gm14308	0.071224494	0.069522999	0.274402659
ENSMUSG00000034863	Ano8	-0.180232512	0.069680388	0.274661835
ENSMUSG00000037341	Slc9a7	-0.186144529	0.069687728	0.274661835
ENSMUSG00000039357	Fut11	-0.167492921	0.069692585	0.274661835
ENSMUSG00000052915	Msl1	-0.177223955	0.069638535	0.274661835
ENSMUSG00000074886	Grk6	-0.19979064	0.069699227	0.274661835
ENSMUSG00000050148	Ubqln2	-0.186411301	0.069740891	0.274738854
ENSMUSG00000004567	Mcoln1	-0.195994246	0.06981272	0.274859125
ENSMUSG00000025153	Fasn	0.180505999	0.069815678	0.274859125
ENSMUSG00000027080	Med19	-0.189118466	0.069860684	0.274921141
ENSMUSG00000068854	Hist2h2be	-0.172931138	0.069875698	0.274921141
ENSMUSG00000062683	Atp5g2	0.190320928	0.06989803	0.274921924
ENSMUSG00000026434	Nucks1	0.167726306	0.069942192	0.275008537
ENSMUSG00000063047	Zfp780b	-0.20086157	0.069966189	0.275015834
ENSMUSG00000028232	Tmem68	-0.205325244	0.070138327	0.275343919
ENSMUSG00000036390	Gadd45a	0.197509778	0.070135013	0.275343919
ENSMUSG00000037438	Uqcrh-ps1	0.056495823	0.070099994	0.275343919
ENSMUSG00000078503	Zfp990	-0.18461074	0.070103257	0.275343919
ENSMUSG00000074218	Cox7a1	0.143412237	0.070184024	0.275349262
ENSMUSG00000105558	Gm5855	0.146497577	0.070162091	0.275349262
ENSMUSG00000054517	Trim65	-0.203208957	0.070222204	0.27541206
ENSMUSG00000081792	Anp32b-ps1	0.103091023	0.070251341	0.275439366
ENSMUSG00000019256	Ahr	-0.126656617	0.070354234	0.275668751
ENSMUSG00000039745	Htatip2	0.170478103	0.070337357	0.275668751
ENSMUSG00000022217	Emc9	-0.201083755	0.070430223	0.27581735
ENSMUSG00000028277	Ube2j1	0.182366521	0.07043657	0.27581735
ENSMUSG00000079003	Samd1	-0.204570584	0.070523923	0.276072375
ENSMUSG00000026670	Uap1	-0.136197098	0.070696592	0.276526299
ENSMUSG00000067203	H2-K2	-0.140322968	0.070680462	0.276526299
ENSMUSG00000091625	Lsm5	0.179408693	0.070706668	0.276526299
ENSMUSG00000000555	Itga5	-0.171498847	0.070731725	0.276537223
ENSMUSG00000022008	Gpalpp1	0.194894636	0.070789583	0.276676341
ENSMUSG00000015755	Tab2	0.182870241	0.07090998	0.276914825
ENSMUSG00000028890	Mtf1	0.193846616	0.070920087	0.276914825
ENSMUSG00000030122	Ptms	-0.087961476	0.070931203	0.276914825

ENSMUSG00000033793	Atp6v1h	0.158165437	0.070939777	0.276914825
ENSMUSG00000116673	A630089N07Rik	-0.201982339	0.070974805	0.276964514
ENSMUSG00000039908	Slc26a11	-0.089599497	0.071062963	0.277221441
ENSMUSG00000029373	Pf4	0.188648449	0.071223369	0.277759957
ENSMUSG00000031860	Pbx4	-0.200103664	0.071306729	0.27793246
ENSMUSG00000102051	I830127L07Rik	-0.188570454	0.071312354	0.27793246
ENSMUSG00000005936	Kctd20	-0.186518841	0.071486484	0.27843638
ENSMUSG00000060034	Ctf2	-0.196140119	0.071466531	0.27843638
ENSMUSG00000027774	Gfm1	0.176515537	0.071562787	0.2786462
ENSMUSG00000038271	Iffo1	-0.19021845	0.071600598	0.278706058
ENSMUSG00000037958	Nsrp1	0.186444816	0.07164586	0.27879487
ENSMUSG00000003531	Dgcr6	0.178031942	0.071765421	0.279012788
ENSMUSG00000015766	Eps8	0.183301367	0.07176925	0.279012788
ENSMUSG00000090000	Ier3ip1	0.166154893	0.071766215	0.279012788
ENSMUSG00000024785	Rcl1	0.156197571	0.071799918	0.279044675
ENSMUSG00000035678	Tnfsf9	-0.179709567	0.07185004	0.279152125
ENSMUSG00000005362	Crbn	0.178253649	0.071906428	0.279196542
ENSMUSG00000024076	Vit	0.090802344	0.071892131	0.279196542
ENSMUSG00000022351	Sqle	-0.202087219	0.072025369	0.279396347
ENSMUSG00000029538	Srsf9	0.139328132	0.072005887	0.279396347
ENSMUSG00000042198	Chchd7	0.175203368	0.072002817	0.279396347
ENSMUSG00000028893	Sesn2	-0.197239769	0.072048647	0.279399388
ENSMUSG00000070697	Utp3	0.171466794	0.072073439	0.279408296
ENSMUSG00000005043	Sgsh	-0.188543598	0.072291048	0.279553895
ENSMUSG00000020532	Acaca	0.122294028	0.072251723	0.279553895
ENSMUSG00000020792	Exoc7	-0.193439867	0.072256537	0.279553895
ENSMUSG00000021285	Ppp1r13b	-0.160637045	0.072226981	0.279553895
ENSMUSG00000030695	Aldoa	0.164164335	0.07227747	0.279553895
ENSMUSG00000043131	Mob1a	0.168839397	0.072224606	0.279553895
ENSMUSG00000051391	Ywhag	0.205318258	0.072248816	0.279553895
ENSMUSG00000082927	Gm5863	0.102444658	0.0721385	0.279553895
ENSMUSG00000051439	Cd14	-0.181653734	0.072396983	0.279794271
ENSMUSG00000074994	Qser1	0.164991449	0.07239826	0.279794271
ENSMUSG00000080885	Rpl10-ps6	0.093994472	0.07246605	0.279969147
ENSMUSG00000024687	Osbp	-0.19425332	0.072732553	0.280562435
ENSMUSG00000031066	Usp11	-0.191808046	0.072653325	0.280562435
ENSMUSG00000037692	Ahdc1	-0.202791602	0.072704782	0.280562435
ENSMUSG00000049832	Rbx1-ps	0.155813846	0.072719818	0.280562435
ENSMUSG00000066838	Zfp772	-0.202323753	0.072708935	0.280562435
ENSMUSG00000034480	Diaph2	-0.182535578	0.072869604	0.280928594
ENSMUSG00000062248	Cks2	0.170431868	0.07287271	0.280928594
ENSMUSG00000003660	Snrnp200	0.15198205	0.072905724	0.280968664
ENSMUSG00000022075	Rhobtb2	-0.202380756	0.073088965	0.281500165

ENSMUSG00000036820	Amdhd2	0.153728397	0.073078096	0.281500165
ENSMUSG00000005583	Mef2c	0.201074394	0.073237622	0.281608171
ENSMUSG00000021910	Nisch	-0.194572824	0.073216989	0.281608171
ENSMUSG00000025899	Alkbh8	-0.184667152	0.07319695	0.281608171
ENSMUSG00000029203	Ube2k	0.139044757	0.073190307	0.281608171
ENSMUSG00000050029	Rap2c	0.200612992	0.073253039	0.281608171
ENSMUSG00000071649	B3gat3	-0.194817405	0.073218727	0.281608171
ENSMUSG00000020015	Cdk17	-0.201027357	0.073561235	0.282314706
ENSMUSG00000022768	Ccdc116	0.080639536	0.073573199	0.282314706
ENSMUSG00000027580	Helz2	-0.11900687	0.073560972	0.282314706
ENSMUSG00000031776	Arl2bp	-0.200674934	0.073464685	0.282314706
ENSMUSG00000032705	Exd2	-0.189669734	0.073537496	0.282314706
ENSMUSG00000035000	Dpp4	-0.12394308	0.073558959	0.282314706
ENSMUSG00000024855	Pacs1	-0.195639836	0.073660093	0.282473606
ENSMUSG00000079260	Tmppe	-0.197702386	0.073645021	0.282473606
ENSMUSG00000019066	Rab3d	-0.197037022	0.073800136	0.282870611
ENSMUSG00000026200	Glb1l	-0.200302861	0.07383194	0.282870611
ENSMUSG00000028861	Mrps15	0.157989776	0.073810713	0.282870611
ENSMUSG00000033596	Rfwd3	-0.178282063	0.073882388	0.282976607
ENSMUSG00000028161	Ppp3ca	-0.191104978	0.073919414	0.28301635
ENSMUSG00000030403	Vasp	-0.179695617	0.07396112	0.28301635
ENSMUSG00000063535	Zfp773	-0.201866627	0.073958033	0.28301635
ENSMUSG00000020184	Mdm2	-0.163984989	0.074037039	0.283049757
ENSMUSG00000022475	Hdac7	0.188067293	0.073993762	0.283049757
ENSMUSG00000043940	Wdfy3	-0.19098367	0.074038214	0.283049757
ENSMUSG00000020220	Vps13d	0.149281462	0.074108994	0.283170767
ENSMUSG00000037617	Spag1	-0.078151729	0.074115463	0.283170767
ENSMUSG00000003604	Aven	0.169728324	0.074176053	0.283228023
ENSMUSG00000031924	Cyb5b	0.180531926	0.074160386	0.283228023
ENSMUSG00000068739	Sars	0.164185356	0.074306006	0.283606158
ENSMUSG00000095687	Rnaset2a	0.186724482	0.074320751	0.283606158
ENSMUSG00000026110	Mgat4a	0.115986218	0.07435579	0.283652724
ENSMUSG00000030084	Plxna1	-0.04417263	0.074383661	0.283671923
ENSMUSG00000005615	Pcyt1a	0.164779045	0.074417266	0.28371297
ENSMUSG00000005505	Kbtbd4	-0.193624729	0.074532553	0.283761807
ENSMUSG00000005683	Cs	0.166831075	0.07450868	0.283761807
ENSMUSG00000015659	Serac1	-0.093517946	0.074495211	0.283761807
ENSMUSG00000025403	Shmt2	0.144073642	0.074567147	0.283761807
ENSMUSG00000032458	Copb2	0.182983283	0.074475352	0.283761807
ENSMUSG00000044678	Ly6k	-0.095020053	0.074562707	0.283761807
ENSMUSG00000042406	Atf4	0.18930435	0.074625956	0.283898623
ENSMUSG00000078670	Fam174b	-0.162470481	0.074659657	0.283939864
ENSMUSG00000063652	Slc22a21	-0.089420956	0.074728683	0.284115387

ENSMUSG00000001270	Ckb	-0.105022391	0.074780924	0.284227005
ENSMUSG00000003166	Dgcr2	-0.201109317	0.074919626	0.284319181
ENSMUSG000000032308	Ulk3	-0.127775977	0.074895588	0.284319181
ENSMUSG000000045763	Basp1	0.129768094	0.074911767	0.284319181
ENSMUSG000000095609	Gm21188	-0.196117451	0.074883986	0.284319181
ENSMUSG000000098121	Gm27038	-0.145942592	0.074899492	0.284319181
ENSMUSG000000042677	Zc3h12a	-0.191732313	0.075062814	0.284775568
ENSMUSG000000032561	Acpp	0.121996291	0.075096091	0.284814825
ENSMUSG000000005514	Por	-0.166692056	0.075145796	0.284829397
ENSMUSG000000033589	Reep4	-0.184293358	0.075125621	0.284829397
ENSMUSG000000033099	Nol12	0.164010152	0.075212927	0.284996878
ENSMUSG00000104864	Gm43655	0.194649468	0.075324366	0.2853321
ENSMUSG000000037353	Letmd1	-0.19682321	0.075417237	0.285509754
ENSMUSG000000042747	Krtcap2	0.169220392	0.075415124	0.285509754
ENSMUSG000000031880	Rrad	-0.114653061	0.075520166	0.285725245
ENSMUSG000000057649	Brd9	-0.159421893	0.075501568	0.285725245
ENSMUSG000000028064	Sema4a	-0.188938139	0.07557451	0.285843786
ENSMUSG000000063273	Naa15	0.201248793	0.075607104	0.28588001
ENSMUSG000000021895	Arhgef3	-0.195748588	0.075676205	0.285967188
ENSMUSG000000052369	Tmem106c	-0.191360641	0.07565449	0.285967188
ENSMUSG000000009079	Ewsr1	-0.176714194	0.075767612	0.286218974
ENSMUSG000000044456	Rin3	-0.170113181	0.075788922	0.286218974
ENSMUSG000000021951	Eef1akmt1	0.14716476	0.075837519	0.28622845
ENSMUSG000000031986	Sprtn	0.146650533	0.075836803	0.28622845
ENSMUSG000000023067	Cdkn1a	-0.186155588	0.075952768	0.286527909
ENSMUSG000000026832	Cytip	0.164068512	0.07598428	0.286527909
ENSMUSG000000081476	ltpa-ps1	-0.10553968	0.075996811	0.286527909
ENSMUSG000000089704	Galnt2	0.126659726	0.076009135	0.286527909
ENSMUSG000000018238	Gdf9	-0.077390206	0.07611023	0.286578448
ENSMUSG000000020755	Sap30bp	0.172104373	0.076066913	0.286578448
ENSMUSG000000028048	Gba	0.140343363	0.076133069	0.286578448
ENSMUSG000000048897	Zfp710	-0.198767957	0.076133359	0.286578448
ENSMUSG000000052751	Repin1	-0.199064011	0.076137902	0.286578448
ENSMUSG000000031696	Vps35	0.18969594	0.076250297	0.286914551
ENSMUSG000000001053	N4bp3	-0.134260014	0.07643962	0.287406301
ENSMUSG000000025894	Aasdhpt	0.170101309	0.076414452	0.287406301
ENSMUSG000000031246	Sh3bgrl	-0.186152117	0.076473539	0.287406301
ENSMUSG000000041954	Tnfrsf18	-0.198367947	0.076458126	0.287406301
ENSMUSG000000078440	Dohh	0.182507776	0.076515057	0.287475355
ENSMUSG000000005981	Trap1	0.143556766	0.076605304	0.28764041
ENSMUSG000000037824	Tspan14	-0.175953621	0.07658583	0.28764041
ENSMUSG000000073131	Vma21	0.197927007	0.076668831	0.287791946
ENSMUSG000000036120	Rfxank	-0.189453013	0.076804054	0.288088794

ENSMUSG00000039231	Suv39h1	-0.158007085	0.076838468	0.288088794
ENSMUSG00000039633	Lonrf1	0.116407241	0.076840687	0.288088794
ENSMUSG00000069744	Psemb3	0.173391811	0.076801494	0.288088794
ENSMUSG00000032112	Trappc4	0.146299719	0.076914397	0.288139753
ENSMUSG00000055839	Elob	0.144668254	0.076923873	0.288139753
ENSMUSG00000056383	Al987944	-0.168560651	0.07687948	0.288139753
ENSMUSG00000035455	Figl1	-0.182617289	0.077035441	0.288383729
ENSMUSG00000097411	B430218F22Rik	-0.164785507	0.077021386	0.288383729
ENSMUSG00000022322	Shcbp1	-0.168353973	0.077064202	0.288404475
ENSMUSG00000059878	Zfp422	-0.172966583	0.077099126	0.288448266
ENSMUSG00000048406	B330016D10Rik	-0.17840223	0.077179852	0.288663335
ENSMUSG00000020935	Dcakd	-0.184167072	0.077301887	0.288957366
ENSMUSG00000058192	Zfp846	-0.194786631	0.077328257	0.288957366
ENSMUSG00000098050	Gm5345	0.135804013	0.077322469	0.288957366
ENSMUSG00000000600	Krit1	-0.158874724	0.077357441	0.288979481
ENSMUSG00000036632	Alg5	0.170733566	0.07745322	0.289250283
ENSMUSG00000060128	Gm2710	0.09968366	0.077515848	0.289397158
ENSMUSG00000015869	Prpsap1	-0.179865133	0.077591923	0.289535169
ENSMUSG00000018196	Glr2	0.14839367	0.077599435	0.289535169
ENSMUSG00000117679	Apbb3	-0.195232512	0.077649057	0.289633316
ENSMUSG00000055652	Klhl25	-0.196761356	0.077689416	0.289696859
ENSMUSG00000003581	Rnf215	-0.188752736	0.077967866	0.2901399
ENSMUSG00000005881	Ergic3	0.170898771	0.077913764	0.2901399
ENSMUSG00000032300	1700017B05Rik	-0.179889382	0.07797174	0.2901399
ENSMUSG00000052337	Immt	0.141820798	0.077932814	0.2901399
ENSMUSG00000058715	Fcer1g	-0.177545117	0.077832032	0.2901399
ENSMUSG00000070394	Tmem256	0.142832864	0.077858089	0.2901399
ENSMUSG00000079036	Alkbh1	-0.186365126	0.077958724	0.2901399
ENSMUSG00000090083	Rnf8	-0.184430074	0.07802396	0.29024726
ENSMUSG00000033940	Brk1	0.187782115	0.078047991	0.290249728
ENSMUSG00000025094	Slc18a2	-0.187349728	0.078103791	0.290370304
ENSMUSG00000007480	Mc5r	-0.09195777	0.078142052	0.290425624
ENSMUSG00000020132	Rab21	-0.195969614	0.07824851	0.290734293
ENSMUSG00000017607	Tns4	-0.19128661	0.078338252	0.290905752
ENSMUSG00000029468	P2rx7	-0.193198558	0.078364254	0.290905752
ENSMUSG00000069083	Gm10259	-0.195135918	0.078364918	0.290905752
ENSMUSG00000007038	Neu1	0.189026223	0.078601339	0.290998345
ENSMUSG00000027166	Dnajc24	0.175284604	0.078595227	0.290998345
ENSMUSG00000031441	Atp11a	0.144257457	0.078501843	0.290998345
ENSMUSG00000031520	Vegfc	-0.05703774	0.078570193	0.290998345
ENSMUSG00000031662	Snx20	-0.162267316	0.078613896	0.290998345
ENSMUSG00000032666	1700025G04Rik	-0.184405698	0.078458112	0.290998345
ENSMUSG00000039671	Zmynd8	0.165128549	0.07851131	0.290998345

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ENSMUSG00000056069	Otulinl	-0.194907013	0.07852224	0.290998345
ENSMUSG00000108100	Gm5876	0.134033364	0.078577838	0.290998345
ENSMUSG00000073647	Gm10557	-0.182984409	0.07865368	0.291020958
ENSMUSG00000051390	Zbtb22	-0.173096065	0.078854051	0.291588619
ENSMUSG00000082107	Gm16216	0.150293836	0.078830905	0.291588619
ENSMUSG00000026170	Cyp27a1	-0.122002805	0.078899859	0.291671175
ENSMUSG00000054400	Cklf	-0.16228143	0.079088328	0.292280905
ENSMUSG00000061244	Exoc5	0.166313811	0.079208127	0.29263657
ENSMUSG00000030471	Zdhhc13	-0.172414057	0.079274378	0.292707208
ENSMUSG00000038803	Ost4	0.144668451	0.079259774	0.292707208
ENSMUSG00000006717	Acot13	0.153493635	0.079384054	0.292938006
ENSMUSG00000066036	Ubr4	0.182267824	0.079364653	0.292938006
ENSMUSG00000019055	Plod1	-0.194885526	0.079508237	0.293309121
ENSMUSG00000053475	Tnfaip6	0.099500316	0.079573049	0.293461057
ENSMUSG00000020167	Tcf3	-0.192288518	0.079613446	0.293522888
ENSMUSG00000062014	Gmfb	0.192374267	0.079658782	0.293602889
ENSMUSG00000020114	Cand1	-0.192468588	0.079749837	0.293731052
ENSMUSG00000028692	Akr1a1	0.158496162	0.079759363	0.293731052
ENSMUSG00000054280	Prr14l	-0.183758142	0.079764499	0.293731052
ENSMUSG00000034190	Chmp7	-0.18329593	0.079856381	0.29398225
ENSMUSG00000043419	Rnf227	-0.178975736	0.079996204	0.294311826
ENSMUSG00000071359	Tbpl1	0.151344432	0.08001699	0.294311826
ENSMUSG00000074212	Dnajb14	-0.178394663	0.079990885	0.294311826
ENSMUSG00000013701	Timm23	0.173115151	0.080050368	0.294347429
ENSMUSG00000020456	Ogdh	-0.188921216	0.080148165	0.294372212
ENSMUSG00000028840	Zfp593	0.152948365	0.080100851	0.294372212
ENSMUSG00000030530	Furin	-0.18934679	0.080151906	0.294372212
ENSMUSG00000067199	Frat1	-0.14849694	0.080142419	0.294372212
ENSMUSG00000045598	Zfp553	-0.188141339	0.080211383	0.294503574
ENSMUSG00000039286	Fndc3b	-0.192478278	0.080311845	0.294785293
ENSMUSG00000043091	Tuba1c	0.193807625	0.080389458	0.29491556
ENSMUSG00000078300	Gm2606	-0.134366402	0.080394822	0.29491556
ENSMUSG00000017721	Pigt	-0.181163633	0.080505279	0.295192757
ENSMUSG00000027282	Mtch2	0.172950123	0.080517918	0.295192757
ENSMUSG00000068823	Csde1	-0.160185728	0.080604765	0.295423955
ENSMUSG00000037337	Map4k1	0.156421269	0.08063548	0.29544935
ENSMUSG00000029616	Erp29	0.180267305	0.080698557	0.295593268
ENSMUSG00000054452	Aes	-0.194003182	0.080782857	0.29581482
ENSMUSG00000037926	Ssh2	-0.140951431	0.080809355	0.295824638
ENSMUSG00000008604	Ubqln4	-0.153157973	0.080997382	0.296338285
ENSMUSG00000026049	Tex30	0.170353559	0.080992502	0.296338285
ENSMUSG00000025779	Ly96	-0.192495438	0.081047143	0.296414002

ENSMUSG00000027245	Hypk	0.173022973	0.081065805	0.296414002
ENSMUSG00000094870	Zfp131	-0.166437597	0.081125759	0.296545925
ENSMUSG00000039263	Npepl1	-0.193510294	0.081232266	0.296785884
ENSMUSG00000045948	Mrps12	0.144636023	0.081239192	0.296785884
ENSMUSG00000000318	Clec10a	-0.190707844	0.081372454	0.297024129
ENSMUSG00000024787	Snx15	-0.175323075	0.081355029	0.297024129
ENSMUSG00000028656	Cap1	-0.179437001	0.081376146	0.297024129
ENSMUSG00000026675	Hsd17b7	0.195993891	0.081481581	0.29723428
ENSMUSG00000027439	Gzf1	0.193564654	0.081481103	0.29723428
ENSMUSG00000031930	Wwp2	-0.191610282	0.081643809	0.297738624
ENSMUSG00000055745	Rtl6	-0.136009152	0.081747556	0.297942015
ENSMUSG00000097973	Gm4929	0.09669679	0.081746965	0.297942015
ENSMUSG00000020415	Pttg1	0.170990233	0.081838286	0.298185201
ENSMUSG00000026694	Mettl13	-0.187888022	0.081940474	0.29846998
ENSMUSG00000040712	Camta2	-0.141096625	0.082023469	0.298684699
ENSMUSG00000018537	Pcgf2	-0.192347182	0.082119126	0.298857907
ENSMUSG00000028700	Pomgnt1	-0.185532505	0.082132727	0.298857907
ENSMUSG00000031333	Abcb7	0.186070636	0.082143217	0.298857907
ENSMUSG00000069089	Cdk7	0.165301727	0.082189368	0.298938256
ENSMUSG00000020300	Cpeb4	0.075637708	0.082467688	0.299163365
ENSMUSG00000022858	Tra2b	-0.175607248	0.082470853	0.299163365
ENSMUSG00000025231	Sufu	-0.132650087	0.082342493	0.299163365
ENSMUSG00000027466	Rbck1	-0.180683115	0.082530579	0.299163365
ENSMUSG00000028759	Hp1bp3	0.193875424	0.082520231	0.299163365
ENSMUSG00000033335	Dnm2	-0.195549588	0.082524813	0.299163365
ENSMUSG00000034101	Ctnnd1	0.164043871	0.082463669	0.299163365
ENSMUSG00000038374	Rbm8a	0.15476494	0.082488747	0.299163365
ENSMUSG00000042185	Nfrkb	0.153037723	0.082382461	0.299163365
ENSMUSG00000063253	Scoc	0.182061316	0.082489854	0.299163365
ENSMUSG00000071253	Slc25a16	0.187739338	0.08255417	0.299163365
ENSMUSG00000078771	Evi2a	0.165156615	0.082534473	0.299163365
ENSMUSG00000082035	Rpl17-ps8	0.170161645	0.082564368	0.299163365
ENSMUSG00000032526	Ss18l2	0.164830032	0.082599047	0.29920174
ENSMUSG00000032265	Tent5a	-0.164972159	0.082698946	0.299476271
ENSMUSG00000030672	Mylpf	0.189670906	0.082786668	0.299706559
ENSMUSG00000046909	Tefm	0.177767743	0.0828194	0.299726842
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ENSMUSG00000001833	Sept7	0.12159036	0.082917094	0.299871815
ENSMUSG00000005672	Kit	-0.18787737	0.08304246	0.299871815
ENSMUSG00000013846	St3gal1	-0.180168852	0.083073739	0.299871815
ENSMUSG00000023973	Cnpy3	-0.150257824	0.083023783	0.299871815
ENSMUSG00000024486	Hbegf	-0.102037323	0.083037191	0.299871815
ENSMUSG00000035142	Nubpl	0.179009687	0.082975575	0.299871815

ENSMUSG00000063511	Snrnp70	0.181744549	0.083038625	0.299871815
ENSMUSG00000083482	Gm14706	0.169064923	0.083059676	0.299871815
ENSMUSG00000022841	Ap2m1	-0.196964888	0.083111102	0.299919523
ENSMUSG00000067430	Zfp763	-0.175362147	0.083212797	0.30019929
ENSMUSG00000025355	Mmp19	-0.158173209	0.083278964	0.300350759
ENSMUSG00000052331	Ankrd44	-0.189787095	0.083316311	0.300398231
ENSMUSG00000013160	Atp6v0d1	-0.192180413	0.083384683	0.300557499
ENSMUSG00000031155	Pim2	-0.174699492	0.083623093	0.3013294
ENSMUSG00000020387	Jade2	0.136769437	0.083740296	0.301664215
ENSMUSG00000001166	Oas1c	0.077583603	0.083887959	0.302108535
ENSMUSG00000026271	Gpr35	-0.063394944	0.083991446	0.302302347
ENSMUSG00000057101	Zfp180	-0.189759369	0.084063466	0.302302347
ENSMUSG00000075600	Zc3h3	-0.111165683	0.084042246	0.302302347
ENSMUSG00000081219	Bambi-ps1	0.112119619	0.08400607	0.302302347
ENSMUSG00000110686	Gm45855	0.070668532	0.08404202	0.302302347
ENSMUSG00000027281	Slx4ip	-0.190615613	0.084169898	0.302597484
ENSMUSG00000058454	Dhcr7	-0.17711043	0.084359403	0.303191016
ENSMUSG00000050138	Kcnk12	-0.185437633	0.084385271	0.303196254
ENSMUSG00000041774	Ydjc	0.190263054	0.084560554	0.303738183
ENSMUSG00000002489	Tiam1	-0.186839327	0.084652904	0.303981994
ENSMUSG00000003527	Ess2	-0.163308785	0.084769839	0.304231124
ENSMUSG00000028920	Fbxo42	-0.190651441	0.084771268	0.304231124
ENSMUSG00000027654	Fam83d	-0.185163059	0.084810186	0.304282878
ENSMUSG00000101652	Gm6060	0.132294925	0.084901718	0.304523316
ENSMUSG00000031934	Panx1	-0.151984349	0.08496938	0.304585659
ENSMUSG00000038910	Plcl2	-0.176921176	0.084992665	0.304585659
ENSMUSG00000039834	Zfp335	-0.18035891	0.084991544	0.304585659
ENSMUSG00000019996	Map7	-0.187582898	0.08504352	0.304679999
ENSMUSG00000038517	Tbkbp1	-0.108506192	0.08510328	0.304718318
ENSMUSG00000041220	Elovl6	0.190812338	0.085098372	0.304718318
ENSMUSG00000006676	Usp19	-0.18792216	0.085158003	0.304826384
ENSMUSG00000056899	Immp2l	-0.187330527	0.085321856	0.305324912
ENSMUSG00000029649	Pomp	0.171725165	0.085415957	0.305485634
ENSMUSG00000039219	Arid4b	-0.17756518	0.085413919	0.305485634
ENSMUSG00000030019	Fbxl14	-0.189020409	0.085445703	0.305504051
ENSMUSG00000023939	Mrpl14	0.140126179	0.08548925	0.305511112
ENSMUSG00000034845	Plvap	-0.115597707	0.085546063	0.305511112
ENSMUSG00000090019	Gimap1	-0.122417958	0.085497643	0.305511112
ENSMUSG00000117165	AC123659.1	0.190936373	0.085531837	0.305511112
ENSMUSG00000015363	Trabd	-0.172605042	0.085637668	0.305750352
ENSMUSG00000017428	Psm11	0.181023052	0.08573115	0.305996154
ENSMUSG00000034271	Jdp2	0.184400616	0.085778263	0.306076357
ENSMUSG00000023960	Enpp5	-0.188457004	0.085876141	0.306337609

ENSMUSG00000074412	Gm10689	0.082326201	0.085928959	0.306438012
ENSMUSG00000030816	Rnf40	-0.183485604	0.085959971	0.306460621
ENSMUSG00000002981	Clptm1	-0.187612672	0.086186789	0.306572653
ENSMUSG00000023473	Celsr3	-0.112578109	0.08610034	0.306572653
ENSMUSG00000024561	Mbd1	-0.186284396	0.086177247	0.306572653
ENSMUSG00000028030	Tbck	-0.16854243	0.08618885	0.306572653
ENSMUSG00000031901	Dus2	-0.157470318	0.086088856	0.306572653
ENSMUSG00000034620	Rxylt1	0.183617121	0.086084285	0.306572653
ENSMUSG00000040822	1700123O20Rik	0.173753263	0.086141245	0.306572653
ENSMUSG00000056608	Chd9	-0.171220586	0.086061067	0.306572653
ENSMUSG00000082029	H3f3c	-0.170232079	0.08622583	0.306616386
ENSMUSG00000023156	Rpp14	0.159692693	0.086324238	0.306806858
ENSMUSG00000024346	Pfdn1	0.170992412	0.086328795	0.306806858
ENSMUSG00000051499	Zfp786	-0.092665533	0.086357498	0.306821075
ENSMUSG00000030168	Adipor2	-0.185764489	0.086497982	0.307232322
ENSMUSG00000006019	Dhx34	-0.182836769	0.086605405	0.307450193
ENSMUSG00000072889	Nfxl1	-0.185426111	0.086608826	0.307450193
ENSMUSG00000020547	Bzw2	0.154607825	0.08678394	0.307895836
ENSMUSG00000022863	Btg3	0.187499785	0.086773566	0.307895836
ENSMUSG00000035596	Mboat7	-0.161135937	0.086836191	0.307993239
ENSMUSG00000029106	Add1	-0.187709366	0.086864004	0.308003939
ENSMUSG00000022094	Slc39a14	-0.082607674	0.086897534	0.308034893
ENSMUSG00000031149	Praf2	-0.185016312	0.08705105	0.308060503
ENSMUSG00000041852	Tcf20	0.088228255	0.087053568	0.308060503
ENSMUSG00000044700	Tmem201	-0.176584932	0.08697673	0.308060503
ENSMUSG00000076431	Sox4	-0.158568244	0.086983075	0.308060503
ENSMUSG00000079083	Jrkl	-0.180554922	0.08704451	0.308060503
ENSMUSG00000106864	Gtf3c2	-0.182233749	0.087002975	0.308060503
ENSMUSG00000000409	Lck	0.099140689	0.087250512	0.308107512
ENSMUSG00000004864	Mapk13	0.187447417	0.087314905	0.308107512
ENSMUSG00000015747	Vps45	-0.185626446	0.08716141	0.308107512
ENSMUSG00000019579	Mydgf	0.15509857	0.08727346	0.308107512
ENSMUSG00000020422	Tns3	-0.172394719	0.087288811	0.308107512
ENSMUSG00000026667	Uhmk1	0.159499718	0.087129582	0.308107512
ENSMUSG00000027650	Tti1	-0.18681694	0.087294223	0.308107512
ENSMUSG00000028540	Dph2	-0.173360043	0.087239301	0.308107512
ENSMUSG00000031983	2310022B05Rik	-0.170184334	0.087198209	0.308107512
ENSMUSG00000050552	Lamtor4	0.134653231	0.087157142	0.308107512
ENSMUSG00000001518	Itfg2	-0.1814873	0.087399142	0.308317166
ENSMUSG00000063245	Zfp993	-0.183049999	0.087425283	0.308321816
ENSMUSG00000041654	Slc39a11	-0.178020348	0.087452009	0.308328526
ENSMUSG00000021327	Zkscan3	-0.185664833	0.087552526	0.308595327
ENSMUSG00000081752	Sms-ps	0.181900896	0.087680567	0.308958959

ENSMUSG00000040952	Rps19	0.135552478	0.087737931	0.309073409
ENSMUSG00000070822	Zscan18	-0.088839156	0.087787168	0.309159176
ENSMUSG00000026867	Gapvd1	-0.168138192	0.087844139	0.309184487
ENSMUSG00000027984	Hadh	0.164896981	0.087843715	0.309184487
ENSMUSG00000022534	Mefv	-0.185891088	0.087903346	0.309305229
ENSMUSG00000070283	Ndufaf3	0.163946347	0.087940887	0.309349691
ENSMUSG00000030271	Ogg1	-0.17460037	0.088022921	0.309462977
ENSMUSG00000094950	Vmn2r66	0.131756878	0.088009784	0.309462977
ENSMUSG00000006378	Gcat	0.1869684	0.088051816	0.30947697
ENSMUSG00000030960	Eef1akmt2	0.168981735	0.088080164	0.309489029
ENSMUSG00000029547	Ints1	0.178524981	0.088113047	0.309517011
ENSMUSG00000037526	Atg14	0.152922258	0.088156783	0.309583093
ENSMUSG00000056917	Sipa1	-0.188242198	0.088232512	0.309761455
ENSMUSG00000053119	Chmp3	0.141390284	0.08826879	0.309801255
ENSMUSG00000102070	Gm28661	-0.012937269	0.088311343	0.309863047
ENSMUSG00000019850	Tnfaip3	-0.134164365	0.08849308	0.309887948
ENSMUSG00000031568	Rwdd4a	0.14286641	0.088469953	0.309887948
ENSMUSG00000032407	U2surp	0.163195846	0.088488357	0.309887948
ENSMUSG00000033970	Rfc3	0.146385802	0.088479873	0.309887948
ENSMUSG00000042155	Klhl23	0.182088681	0.088379521	0.309887948
ENSMUSG00000062519	Zfp398	-0.178459666	0.088378621	0.309887948
ENSMUSG00000073643	Wdfy1	0.183595166	0.088437294	0.309887948
ENSMUSG00000022817	Itgb5	-0.171700402	0.088602255	0.310037031
ENSMUSG00000027357	Crls1	0.148304378	0.088579589	0.310037031
ENSMUSG00000031927	1700012B09Rik	-0.15166189	0.088635496	0.310037031
ENSMUSG00000046908	Ltb4r1	-0.14511855	0.088633909	0.310037031
ENSMUSG00000002055	Spag5	-0.17631674	0.088685913	0.310057607
ENSMUSG00000061207	Stk19	0.169560547	0.088691303	0.310057607
ENSMUSG00000022451	Twf1	0.174175879	0.088786659	0.310216342
ENSMUSG00000044155	Lsm8	0.148753868	0.088778166	0.310216342
ENSMUSG00000024875	Yif1a	0.142639539	0.088846895	0.31025226
ENSMUSG00000032558	Nphp3	-0.06706256	0.088829705	0.31025226
ENSMUSG00000020513	Tubd1	0.165990434	0.088876585	0.310268707
ENSMUSG00000025962	Fastkd2	0.178492633	0.088957918	0.310378173
ENSMUSG00000041426	Hibch	0.183447506	0.088940713	0.310378173
ENSMUSG00000039686	Zer1	-0.154486329	0.089015152	0.310490648
ENSMUSG00000026000	Lancl1	-0.158680622	0.089078164	0.310623209
ENSMUSG00000019797	1700021F05Rik	0.159779566	0.089119116	0.310678795
ENSMUSG00000025373	Rnf41	-0.154906688	0.089189313	0.310836268
ENSMUSG00000052293	Taf9	0.173033338	0.089239565	0.310836972
ENSMUSG00000052305	Hbb-bs	-0.040649941	0.08923568	0.310836972
ENSMUSG00000049999	Ppp1r3d	-0.168107599	0.089288441	0.310920022
ENSMUSG00000002844	Adprh	-0.141951728	0.089470347	0.31119395

ENSMUSG00000028556	Dock7	-0.174361946	0.089517429	0.31119395
ENSMUSG00000031672	Got2	0.167500954	0.089493269	0.31119395
ENSMUSG00000037017	Zscan21	-0.178946046	0.089511566	0.31119395
ENSMUSG00000060002	Chpt1	0.174556891	0.089428544	0.31119395
ENSMUSG00000073490	Ifi207	-0.073822226	0.089504474	0.31119395
ENSMUSG00000032754	Slc8b1	-0.156251076	0.089586479	0.311259765
ENSMUSG00000115981	AC119928.2	0.161994958	0.089583126	0.311259765
ENSMUSG00000003623	Crot	-0.164302923	0.089734805	0.311552605
ENSMUSG00000022914	Brwd1	-0.171975237	0.089746012	0.311552605
ENSMUSG00000039167	Adgrl4	-0.183673657	0.08971935	0.311552605
ENSMUSG00000020402	Vdac1	0.1709457	0.089863278	0.311872528
ENSMUSG00000026034	Clk1	-0.184242964	0.089923147	0.311993129
ENSMUSG00000003518	Dusp3	0.110154638	0.089960055	0.312034026
ENSMUSG00000038412	Higd1a	0.166973025	0.090004485	0.312100979
ENSMUSG00000023800	Tiam2	-0.166338398	0.090169135	0.312497441
ENSMUSG00000039100	March6	0.152851417	0.090163545	0.312497441
ENSMUSG00000029053	Prkc2	-0.14095879	0.09020905	0.312548565
ENSMUSG00000034330	Plcg2	-0.179505433	0.090314506	0.312826683
ENSMUSG00000030265	Kras	0.175050869	0.090392453	0.313009383
ENSMUSG00000032575	Manf	0.180139099	0.090454369	0.313136488
ENSMUSG00000058569	Tmed9	-0.156122517	0.090517193	0.313266664
ENSMUSG00000095937	Gm12671	0.15140948	0.090602537	0.313474682
ENSMUSG00000028743	Akr7a5	0.171198595	0.090732799	0.313651291
ENSMUSG00000029911	Ssbp1	0.139133477	0.090728634	0.313651291
ENSMUSG00000043831	Lysmd4	-0.183804505	0.090710597	0.313651291
ENSMUSG00000057738	Sptan1	0.157116623	0.090754588	0.313651291
ENSMUSG00000098549	Gm5269	0.184330558	0.090944685	0.314220845
ENSMUSG00000019982	Myb	-0.179739681	0.091103023	0.314613368
ENSMUSG00000041688	Amot	0.112725687	0.091160442	0.314613368
ENSMUSG00000070934	Rraga	0.133476528	0.091184939	0.314613368
ENSMUSG00000072676	Tmem254a	-0.064379018	0.091176138	0.314613368
ENSMUSG00000094483	Purb	-0.171049462	0.091176325	0.314613368
ENSMUSG00000020234	4930404N11Rik	-0.052004558	0.09128019	0.314854552
ENSMUSG00000030220	Arhgdib	0.173252972	0.091326031	0.314925217
ENSMUSG00000026520	Pycr2	0.13134614	0.091430272	0.315197171
ENSMUSG00000010755	Cars	0.162750255	0.091696107	0.315463142
ENSMUSG00000030314	Atg7	-0.168076303	0.091672709	0.315463142
ENSMUSG00000052296	Ppp6r1	-0.174215755	0.091710604	0.315463142
ENSMUSG00000069184	Zfp72	-0.169270337	0.091631867	0.315463142
ENSMUSG00000079018	Ly6c1	0.170304151	0.091590131	0.315463142
ENSMUSG00000079110	Capn3	-0.053345519	0.091704905	0.315463142
ENSMUSG00000094530	Gm21399	0.102460825	0.091664169	0.315463142
ENSMUSG00000114737	Gm8483	0.125000318	0.091639036	0.315463142

ENSMUSG00000061482	Hist1h4d	0.177161094	0.091778833	0.315610434
ENSMUSG00000024334	H2-Oa	-0.182273465	0.091854738	0.315784029
ENSMUSG00000058057	Mettl7a3	-0.182390627	0.092029061	0.316295783
ENSMUSG00000024795	Kif20b	-0.16431445	0.092097806	0.316444493
ENSMUSG00000032258	Lca5	-0.061901766	0.09216968	0.316603871
ENSMUSG00000015095	Fbxw5	-0.158643478	0.092284774	0.316736439
ENSMUSG00000033885	Pxk	-0.163537914	0.092270827	0.316736439
ENSMUSG00000061848	Gm5805	0.108621924	0.092267552	0.316736439
ENSMUSG00000051671	Coa6	0.148721458	0.092338306	0.316832624
ENSMUSG00000028959	Fastk	-0.146162657	0.092429766	0.317058857
ENSMUSG00000021124	Vti1b	0.15199731	0.092533062	0.317325554
ENSMUSG00000034203	Chchd4	0.174679431	0.092623383	0.317547624
ENSMUSG00000082896	Gm5844	0.061791492	0.09265249	0.317559763
ENSMUSG00000050931	Sgms2	0.175694769	0.092770187	0.317875445
ENSMUSG00000000861	Bcl11a	0.156212318	0.092917193	0.318291357
ENSMUSG00000038335	Tsr1	0.180469753	0.092983699	0.318431355
ENSMUSG00000081572	Gm14138	0.084603992	0.093035736	0.318521742
ENSMUSG00000056153	Socs6	-0.181717909	0.09312109	0.318726111
ENSMUSG00000005103	Wdr1	-0.136306586	0.093248218	0.318750075
ENSMUSG00000020388	Pdlim4	-0.113105932	0.093197959	0.318750075
ENSMUSG00000026969	Fam166a	0.172845793	0.093224896	0.318750075
ENSMUSG00000037652	Phc3	-0.180810422	0.093256402	0.318750075
ENSMUSG00000069919	Hba-a1	-0.039548295	0.093207559	0.318750075
ENSMUSG00000039328	Rnf122	-0.119958486	0.093305364	0.318829692
ENSMUSG00000020273	Papolg	-0.176511484	0.093393263	0.319042276
ENSMUSG00000026687	Aldh9a1	-0.137580969	0.093452161	0.319155703
ENSMUSG00000020451	Limk2	-0.174406479	0.093595948	0.319558899
ENSMUSG00000069769	Msi2	0.0974296	0.093748703	0.319992481
ENSMUSG00000069729	Arid1b	-0.16173081	0.094042108	0.320905777
ENSMUSG00000057506	Bloc1s2	0.156605431	0.094096011	0.321001524
ENSMUSG00000063001	Gm9701	0.085916995	0.094135375	0.321047637
ENSMUSG00000028163	Nfkb1	0.176773729	0.094203295	0.321102943
ENSMUSG00000038241	Cep250	0.160522888	0.094189446	0.321102943
ENSMUSG00000005465	Ii27ra	-0.104133862	0.094448786	0.321287033
ENSMUSG00000025870	Arl10	-0.178619092	0.094464234	0.321287033
ENSMUSG00000032312	Csk	-0.16557766	0.094299521	0.321287033
ENSMUSG00000040701	Ap1g2	-0.146181791	0.094445202	0.321287033
ENSMUSG00000041375	Ccdc9	-0.173872629	0.094432185	0.321287033
ENSMUSG00000049482	Ctu2	0.179008743	0.094436274	0.321287033
ENSMUSG00000090639	Gm20425	-0.14879085	0.094417569	0.321287033
ENSMUSG00000117202	AC169506.3	0.133447363	0.094421845	0.321287033
ENSMUSG00000020483	Dynll2	0.17422039	0.09449857	0.321315833
ENSMUSG00000024370	Cdc23	-0.179909064	0.094551818	0.321335678

ENSMUSG00000030792	Dkk1	0.123776274	0.094556147	0.321335678
ENSMUSG00000021243	Fcf1	0.167523255	0.094721288	0.321808839
ENSMUSG00000021699	Pde4d	0.165531559	0.094852685	0.32216713
ENSMUSG00000003208	Yju2	-0.180876847	0.094943276	0.3222105
ENSMUSG00000039474	Wfs1	-0.129377547	0.094935512	0.3222105
ENSMUSG00000115312	Gm8518	0.050958284	0.09491898	0.3222105
ENSMUSG00000025133	Ints4	-0.160249045	0.095018959	0.322379264
ENSMUSG00000098090	2700099C18Rik	-0.150662663	0.095066278	0.322451731
ENSMUSG00000092072	Gm4540	0.181202775	0.095134433	0.322594811
ENSMUSG00000020156	Mum1	-0.17095508	0.095215355	0.322607354
ENSMUSG00000028443	Nudt2	0.163176778	0.095183842	0.322607354
ENSMUSG00000032652	Crebl2	-0.12520149	0.095242023	0.322607354
ENSMUSG00000035367	Rmi1	-0.164019056	0.09521981	0.322607354
ENSMUSG00000029201	Ugdh	-0.182363189	0.095382668	0.322995671
ENSMUSG00000017692	Rhbdl3	0.171831498	0.095517593	0.323364411
ENSMUSG00000005986	Ankrd13d	-0.132245351	0.09571183	0.323581014
ENSMUSG00000020432	Tcn2	-0.147356722	0.095700236	0.323581014
ENSMUSG00000025591	Tma16	0.178194219	0.095689761	0.323581014
ENSMUSG00000045273	Cenph	0.141694927	0.095677068	0.323581014
ENSMUSG00000083474	Gm15267	0.045046919	0.095610613	0.323581014
ENSMUSG00000045100	Slc25a26	0.12508673	0.095777441	0.323626658
ENSMUSG00000081855	Rpl17-ps5	0.179440289	0.095752933	0.323626658
ENSMUSG00000078877	Gm14295	-0.131180558	0.095827262	0.323641656
ENSMUSG00000079334	Naa80	-0.171024869	0.095833992	0.323641656
ENSMUSG00000024073	Birc6	0.176546772	0.095919002	0.323762308
ENSMUSG00000111897	Gm19810	0.179046353	0.095921849	0.323762308
ENSMUSG00000038806	Sde2	0.164685373	0.096072424	0.324182446
ENSMUSG00000039253	Fn3krp	0.089773482	0.096142879	0.324332076
ENSMUSG00000052673	Gm9887	-0.100264336	0.096283396	0.324717911
ENSMUSG00000024991	Eif3a	0.17251201	0.096437002	0.324883102
ENSMUSG00000028621	Cyb5rl	-0.173449652	0.096436568	0.324883102
ENSMUSG00000033032	Afap1l1	-0.169497059	0.096423426	0.324883102
ENSMUSG00000052392	Acot4	-0.05964027	0.096432009	0.324883102
ENSMUSG00000064264	Zfp428	0.179913291	0.096466807	0.324895394
ENSMUSG00000049091	Sephs2	0.179063809	0.09651088	0.324955716
ENSMUSG00000024193	Phf1	-0.080324129	0.096581935	0.325106833
ENSMUSG00000026344	Lypd1	-0.099076579	0.096888504	0.325535848
ENSMUSG00000029094	Afap1	0.176284237	0.096742859	0.325535848
ENSMUSG00000029512	Ulk1	-0.168030352	0.096840171	0.325535848
ENSMUSG00000035199	Arl6ip5	0.16350991	0.096892845	0.325535848
ENSMUSG00000037940	Inpp4b	-0.05723349	0.096841575	0.325535848
ENSMUSG00000038024	Dennd4c	-0.166374017	0.096865533	0.325535848
ENSMUSG00000110234	Gm45799	0.154961999	0.096885017	0.325535848

ENSMUSG00000001175	Calm1	0.159313718	0.096964824	0.325549604
ENSMUSG00000002307	Daxx	-0.171876631	0.096975568	0.325549604
ENSMUSG000000027942	4933434E20Rik	-0.166548699	0.096960292	0.325549604
ENSMUSG000000051133	Gm6293	-0.127235165	0.097103129	0.325889752
ENSMUSG000000020471	Pold2	-0.140835644	0.097192218	0.326017081
ENSMUSG000000030352	Tspan9	-0.062830885	0.097193563	0.326017081
ENSMUSG000000000823	Zfp512b	-0.166480157	0.097461138	0.326173724
ENSMUSG000000024317	Rnf138	0.142023507	0.097465341	0.326173724
ENSMUSG000000025817	Nudt5	0.160044213	0.097529121	0.326173724
ENSMUSG000000028871	Rspo1	-0.105515799	0.097377901	0.326173724
ENSMUSG000000030615	Tmem126a	0.15288992	0.097366558	0.326173724
ENSMUSG000000031060	Rbm10	-0.176811569	0.097392711	0.326173724
ENSMUSG000000035168	Tanc1	0.063871385	0.097527159	0.326173724
ENSMUSG000000037994	Slc9b2	-0.062889861	0.097418672	0.326173724
ENSMUSG000000043415	Otud1	-0.149984925	0.097435918	0.326173724
ENSMUSG000000068040	Tm9sf4	-0.138406809	0.097377923	0.326173724
ENSMUSG00000109675	Nxpe1-ps	-0.169185412	0.097504354	0.326173724
ENSMUSG000000034343	Ube2f	0.148435802	0.097599436	0.326321023
ENSMUSG000000040033	Stat2	-0.174878804	0.09773819	0.326694047
ENSMUSG00000109336	Samd4b	-0.046319644	0.097763608	0.326694047
ENSMUSG000000046806	Cyren	0.177374646	0.097856297	0.326915834
ENSMUSG000000018507	Trpv2	-0.178770691	0.098089429	0.32710509
ENSMUSG000000024617	Camk2a	-0.135732676	0.098032103	0.32710509
ENSMUSG000000027522	Stx16	-0.149222202	0.097947688	0.32710509
ENSMUSG000000030386	Zfp606	-0.178693035	0.098123626	0.32710509
ENSMUSG000000035203	Epn1	-0.097153861	0.098104462	0.32710509
ENSMUSG000000041779	Tram2	-0.124836721	0.098102372	0.32710509
ENSMUSG000000074829	2010315B03Rik	-0.178225582	0.098046015	0.32710509
ENSMUSG00000113611	Gm47750	0.169937596	0.098106016	0.32710509
ENSMUSG000000055720	Ubl7	-0.173192903	0.098155996	0.327125203
ENSMUSG000000031697	Orc6	0.134085418	0.098299077	0.327514172
ENSMUSG000000038268	Ovca2	0.17244347	0.098391891	0.327647637
ENSMUSG000000057409	Zfp53	-0.171939808	0.098374483	0.327647637
ENSMUSG000000072294	Klf12	0.168369523	0.098433296	0.327697658
ENSMUSG000000026209	Dnpep	-0.144964313	0.098494481	0.32781349
ENSMUSG000000030659	Nucb2	0.167866854	0.098525569	0.327829115
ENSMUSG000000024055	Cyp4f13	-0.15486768	0.098598783	0.327897052
ENSMUSG000000025008	Tctn3	-0.177715925	0.098590639	0.327897052
ENSMUSG000000024220	Zfp523	-0.170953464	0.098667448	0.327949793
ENSMUSG000000063275	Hacd1	0.149971665	0.098656651	0.327949793
ENSMUSG000000067010	Vmn2r10	0.168849648	0.098747862	0.328129266
ENSMUSG000000039110	Mycbpap	-0.048953021	0.098777848	0.328141121
ENSMUSG000000014355	Anapc1	0.162827263	0.098823979	0.32820659

ENSMUSG00000024011	Pi16	-0.100342663	0.098872585	0.32828024
ENSMUSG00000097979	Gm4691	0.088078008	0.098959674	0.328481589
ENSMUSG00000034154	Ino80	0.160049828	0.09915539	0.329043307
ENSMUSG00000038244	Mical2	-0.100282	0.099258666	0.329298049
ENSMUSG00000022956	Atp5o	0.155831577	0.099356394	0.329474811
ENSMUSG00000025034	Trim8	-0.154648565	0.099376408	0.329474811
ENSMUSG00000038020	Rapgef1	-0.085539743	0.099391524	0.329474811
ENSMUSG00000021532	Fastkd3	0.155044364	0.099534426	0.329782218
ENSMUSG00000040242	Fgfr1op2	0.136254188	0.099537359	0.329782218
ENSMUSG00000026180	Cxcr2	-0.170049189	0.099760257	0.330380769
ENSMUSG00000038299	Wdr36	0.168063306	0.099771215	0.330380769
ENSMUSG00000004937	Sgta	-0.13446836	0.099998669	0.330574529
ENSMUSG00000018858	Mrpl58	0.150563277	0.100053674	0.330574529
ENSMUSG00000020585	Laptm4a	-0.16547605	0.099986596	0.330574529
ENSMUSG00000020921	Tmem101	-0.176154355	0.099872163	0.330574529
ENSMUSG00000025877	Hk3	-0.174343329	0.100069256	0.330574529
ENSMUSG00000027845	Dclre1b	-0.165233663	0.099962012	0.330574529
ENSMUSG00000031093	Dock11	0.154785176	0.10006371	0.330574529
ENSMUSG00000047714	Ppp1r2	0.166534803	0.100037567	0.330574529
ENSMUSG00000093575	Gm20695	-0.05000269	0.099988207	0.330574529
ENSMUSG00000032020	Ubash3b	-0.175329479	0.100248261	0.331077811
ENSMUSG00000003464	Pex19	-0.172873653	0.100284076	0.331108058
ENSMUSG00000002147	Stat6	-0.167333533	0.100311811	0.331111614
ENSMUSG00000015335	Zdhhc12	-0.158380637	0.100343477	0.331119238
ENSMUSG00000111228	Gm48789	-0.152573681	0.100367437	0.331119238
ENSMUSG00000021222	Dcaf4	-0.154596146	0.100472309	0.331377205
ENSMUSG00000112148	Lilrb4a	-0.162934638	0.1004995	0.331378892
ENSMUSG00000039960	Rhou	-0.138888985	0.100651539	0.331792135
ENSMUSG00000033713	Foxn3	-0.174826207	0.100701672	0.33186932
ENSMUSG00000006732	Mettl1	0.133017172	0.100728961	0.331871199
ENSMUSG00000019951	Uhrf1bp1l	0.173107585	0.100903188	0.332268955
ENSMUSG00000028434	Epb41l4b	-0.071491094	0.100900554	0.332268955
ENSMUSG00000022022	Mtrf1	0.163046352	0.101027162	0.332589022
ENSMUSG00000020376	Rnf130	0.126126965	0.101137679	0.332776453
ENSMUSG00000026469	Xpr1	-0.174783872	0.101125722	0.332776453
ENSMUSG00000032554	Trf	-0.170575952	0.101241832	0.33303093
ENSMUSG00000024958	Gpr137	-0.172828014	0.101358112	0.333225398
ENSMUSG00000028950	Tas1r1	-0.145314241	0.101381433	0.333225398
ENSMUSG00000038957	Edc3	-0.178689844	0.101327833	0.333225398
ENSMUSG00000044229	Nxpe4	-0.156353916	0.101553144	0.333701483
ENSMUSG00000110860	Ptpmt1	0.160853834	0.101647067	0.333921771
ENSMUSG00000083678	Gm12989	0.134483967	0.101714504	0.334054959
ENSMUSG00000016409	Nkap	0.158174245	0.101757542	0.334107966

ENSMUSG00000001942	Siae	-0.173158477	0.101834262	0.334225729
ENSMUSG000000036940	Kdm1a	-0.15214108	0.101919668	0.334225729
ENSMUSG000000044098	Rsb1	0.175095096	0.10192795	0.334225729
ENSMUSG000000053929	Cyhr1	-0.175058601	0.101852373	0.334225729
ENSMUSG000000074785	Plxnc1	-0.161304084	0.101874463	0.334225729
ENSMUSG000000039128	Cdc123	0.154143789	0.102003376	0.334384782
ENSMUSG000000022385	Gtse1	-0.16137894	0.102115776	0.334488409
ENSMUSG000000030451	Herc2	0.167181915	0.10210367	0.334488409
ENSMUSG000000085939	Cd63-ps	0.159008056	0.102101402	0.334488409
ENSMUSG000000091383	Hist1h2al	0.135291344	0.10228243	0.334866343
ENSMUSG000000114886	Gm48432	0.104138216	0.102285074	0.334866343
ENSMUSG000000024927	Rela	-0.165932156	0.102440294	0.334921419
ENSMUSG000000029629	Phf14	0.173975176	0.102424191	0.334921419
ENSMUSG000000033767	Tmem131l	0.140861128	0.102338283	0.334921419
ENSMUSG000000036622	Atp13a2	-0.122362073	0.102377581	0.334921419
ENSMUSG000000053293	Pom121	0.155724142	0.102463682	0.334921419
ENSMUSG000000082729	Gm14845	0.175600578	0.102402046	0.334921419
ENSMUSG000000022364	Tbc1d31	-0.171611899	0.102520463	0.334953615
ENSMUSG000000024451	Arap3	-0.157717476	0.102687656	0.334953615
ENSMUSG000000029249	Rest	-0.157032862	0.102649526	0.334953615
ENSMUSG000000031921	Terf2	-0.169051517	0.10261099	0.334953615
ENSMUSG000000034709	Ppp1r21	-0.163740524	0.102532497	0.334953615
ENSMUSG000000036860	Mrpl55	0.158850682	0.102689265	0.334953615
ENSMUSG000000042589	Cux2	-0.094505786	0.102584283	0.334953615
ENSMUSG000000074748	Atxn7l3b	-0.143261816	0.102608215	0.334953615
ENSMUSG000000028409	Smu1	0.160370298	0.102785692	0.335022755
ENSMUSG000000036323	Srp72	0.148677209	0.102791379	0.335022755
ENSMUSG000000113889	Gm48501	-0.062621352	0.102767461	0.335022755
ENSMUSG000000027274	Mkks	0.170380352	0.102836034	0.335078006
ENSMUSG000000030725	Lipt2	0.174568185	0.102862285	0.335078006
ENSMUSG000000025381	Cnpy2	0.122373537	0.102963201	0.335318803
ENSMUSG000000006127	Inpp5k	-0.166399969	0.103093534	0.335567293
ENSMUSG000000059060	Rad51b	-0.174514732	0.1030761	0.335567293
ENSMUSG000000034111	Tmed8	0.096529266	0.10317511	0.335639361
ENSMUSG000000067608	Pcna-ps2	0.105506772	0.103147241	0.335639361
ENSMUSG000000070639	Lrrc8b	0.174509501	0.103196741	0.335639361
ENSMUSG000000045932	Ifit2	0.171276449	0.103313844	0.335932267
ENSMUSG000000016526	Dyrk3	-0.173225486	0.103490664	0.336419141
ENSMUSG000000021877	Arf4	-0.134608115	0.103610335	0.336543925
ENSMUSG000000026035	Ppil3	0.146034792	0.103591257	0.336543925
ENSMUSG000000039298	Cdk5rap2	0.174792476	0.103579667	0.336543925
ENSMUSG000000074867	Zfp808	-0.15962393	0.103646612	0.336573742
ENSMUSG000000021870	Simap	0.173493228	0.103689294	0.33659591

ENSMUSG00000037999	Arap2	0.164729054	0.103707636	0.33659591
ENSMUSG00000061702	Tmem91	-0.08710699	0.10380676	0.336829615
ENSMUSG00000043648	Pld6	-0.11087856	0.103890856	0.336926453
ENSMUSG00000063179	Pstk	0.174048397	0.103878951	0.336926453
ENSMUSG00000002804	Nudt14	0.160956877	0.103974969	0.337031617
ENSMUSG00000051403	Ppp1r37	-0.106772708	0.103999689	0.337031617
ENSMUSG00000057829	Gm5278	0.119605442	0.104004685	0.337031617
ENSMUSG00000000378	Ccm2	-0.166720863	0.104153114	0.337256356
ENSMUSG00000009112	Bcl2l13	0.168083267	0.104171597	0.337256356
ENSMUSG00000039630	Hnrnpu	0.15775929	0.104182645	0.337256356
ENSMUSG00000041645	Ddx24	0.145989676	0.104101312	0.337256356
ENSMUSG00000081907	Gm13731	0.120869978	0.104255054	0.337402821
ENSMUSG00000026723	Trdmt1	0.161441214	0.104354044	0.337635212
ENSMUSG00000028868	Wasf2	0.173468176	0.104590655	0.338312638
ENSMUSG00000022139	Mbnl2	-0.134435624	0.104726119	0.338398316
ENSMUSG00000022309	Angpt1	-0.120268455	0.104672297	0.338398316
ENSMUSG00000027447	Cst3	-0.153904174	0.104689641	0.338398316
ENSMUSG00000102535	Ighv1-41	0.106115603	0.104701861	0.338398316
ENSMUSG00000047022	Mipol1	0.151660042	0.104816337	0.338513708
ENSMUSG00000063019	Manbal	0.142563898	0.104793408	0.338513708
ENSMUSG00000029326	Enoph1	0.145648062	0.104886029	0.338561838
ENSMUSG00000031447	Lamp1	-0.134875163	0.104931177	0.338561838
ENSMUSG00000039308	Ndst2	-0.161084279	0.104975394	0.338561838
ENSMUSG00000061882	Ccdc62	0.171765608	0.104981974	0.338561838
ENSMUSG00000083705	Gm8624	0.172127618	0.104994783	0.338561838
ENSMUSG00000096361	Gm5814	0.156122838	0.104983314	0.338561838
ENSMUSG00000035310	Lin54	-0.167689532	0.105025782	0.338566241
ENSMUSG00000106326	Gm42977	0.161746941	0.105050664	0.338566241
ENSMUSG00000022788	Fgd4	-0.172413876	0.105247486	0.338865309
ENSMUSG00000028070	Naxe	0.126568672	0.105252585	0.338865309
ENSMUSG00000061032	Rrp1	0.119570155	0.105226595	0.338865309
ENSMUSG00000062510	Nsl1	-0.150246127	0.105205787	0.338865309
ENSMUSG00000030059	Tmf1	0.16084897	0.105349207	0.339088495
ENSMUSG00000031242	2610002M06Rik	0.148560199	0.105377055	0.339090258
ENSMUSG00000038342	Mlxip	-0.155228578	0.105457426	0.339154386
ENSMUSG00000044583	Tlr7	0.054669638	0.105483797	0.339154386
ENSMUSG00000047515	BC049715	0.111160627	0.105474806	0.339154386
ENSMUSG00000066637	Ttc32	0.148407688	0.105506203	0.339154386
ENSMUSG00000018341	Ii12rb2	-0.103633926	0.105627007	0.33928789
ENSMUSG00000030138	Bms1	0.172893255	0.105656997	0.33928789
ENSMUSG00000040105	Plpp6	-0.168062637	0.105656689	0.33928789
ENSMUSG00000057342	Sphk2	-0.146319547	0.105641152	0.33928789
ENSMUSG00000028943	Espn	-0.128529047	0.105696697	0.33932765

ENSMUSG00000003184	Irf3	-0.127118378	0.105828885	0.339418346
ENSMUSG00000021287	Xrcc3	-0.146749554	0.105790917	0.339418346
ENSMUSG00000054716	Zfp771	0.16822156	0.105834253	0.339418346
ENSMUSG00000101678	Gm29609	0.039815795	0.105815526	0.339418346
ENSMUSG00000072244	Trim6	-0.171508519	0.105878787	0.33947352
ENSMUSG00000020400	Tnip1	-0.170502882	0.105999917	0.339774186
ENSMUSG00000073838	Tufm	0.159964731	0.106058639	0.339874706
ENSMUSG00000041481	Serpina3g	0.175062942	0.106152702	0.340088395
ENSMUSG00000027248	Pdia3	0.168488845	0.106292815	0.340361704
ENSMUSG00000071266	Zfp946	-0.169109609	0.10626863	0.340361704
ENSMUSG00000066258	Trim12a	0.147096271	0.106369547	0.340519625
ENSMUSG00000021190	Lgmn	-0.110000638	0.106469617	0.340752154
ENSMUSG00000039206	Daglb	-0.15262606	0.106562708	0.340881158
ENSMUSG00000117439	AC122306.1	0.166966058	0.106564813	0.340881158
ENSMUSG00000020163	Uqcr11	0.155266005	0.106712504	0.34126571
ENSMUSG00000026915	Strbp	0.149684988	0.106773832	0.341286096
ENSMUSG00000046516	Cox17	0.14575908	0.106767732	0.341286096
ENSMUSG00000090264	Eif4ebp3	0.080372873	0.106866855	0.341495551
ENSMUSG00000016206	H2-M3	-0.168792076	0.106908834	0.341541827
ENSMUSG00000018669	Cdk5rap3	-0.143901219	0.107069381	0.341657367
ENSMUSG00000022323	Rida	0.165780396	0.107014871	0.341657367
ENSMUSG00000023206	Ii15ra	0.160564079	0.107078116	0.341657367
ENSMUSG00000027313	Chac1	0.140230338	0.106975295	0.341657367
ENSMUSG00000042349	Ikbke	-0.1690778	0.107082532	0.341657367
ENSMUSG00000028954	Nub1	-0.167147412	0.10721815	0.34200222
ENSMUSG00000051034	Zfp11	-0.151757029	0.107311113	0.342210869
ENSMUSG00000038451	Spsb2	-0.159772858	0.107377455	0.342334542
ENSMUSG00000004233	Wars2	0.14477659	0.107472501	0.342549638
ENSMUSG00000023921	Mut	0.171364408	0.107511363	0.342585592
ENSMUSG00000021500	Ddx46	0.169379808	0.107612904	0.342689018
ENSMUSG00000025001	Hells	0.149310589	0.107588642	0.342689018
ENSMUSG00000042066	Tmcc2	-0.135863664	0.107626589	0.342689018
ENSMUSG00000101188	Eif4a-ps4	0.170664392	0.107702448	0.342842673
ENSMUSG00000030034	Ino80b	-0.142463857	0.107740559	0.342876115
ENSMUSG00000002102	Psmc3	0.130970749	0.107791407	0.342922747
ENSMUSG00000074698	Csnk2a1	0.161798578	0.107810428	0.342922747
ENSMUSG00000038578	Susd1	0.170369037	0.107872931	0.34303371
ENSMUSG00000015757	Ppil4	0.154618561	0.108074179	0.343158115
ENSMUSG00000029247	Paics	0.127016747	0.107989317	0.343158115
ENSMUSG00000029664	Tfpi2	0.116175534	0.108091691	0.343158115
ENSMUSG00000031403	Dkc1	0.153660399	0.10801785	0.343158115
ENSMUSG00000040123	Zmym5	-0.165345784	0.108032022	0.343158115
ENSMUSG00000042650	Alkbh5	-0.170599034	0.108105443	0.343158115

ENSMUSG00000091337	Eid1	0.164411533	0.108026972	0.343158115
ENSMUSG00000028156	Eif4e	0.151228721	0.10824712	0.343520052
ENSMUSG00000032059	Alg9	0.170258252	0.10830878	0.343627933
ENSMUSG00000027613	Eif6	0.155401047	0.108385883	0.343696974
ENSMUSG00000037408	Cnm4	-0.169037087	0.108377477	0.343696974
ENSMUSG00000007867	lft43	0.07492947	0.108587968	0.34421546
ENSMUSG00000009549	Srp14	0.134649434	0.108604814	0.34421546
ENSMUSG00000039275	Foxk2	-0.161205344	0.108633371	0.344218137
ENSMUSG00000072612	Gm10382	-0.08323436	0.108720466	0.344230666
ENSMUSG00000087153	Gm6483	-0.111027202	0.108692831	0.344230666
ENSMUSG00000089911	Mfsd14a	-0.169279251	0.108680983	0.344230666
ENSMUSG00000020642	Rnf144a	0.1701277	0.10880971	0.344252596
ENSMUSG00000026924	Sec16a	0.12220429	0.108810538	0.344252596
ENSMUSG00000099083	Atf7	-0.161644004	0.108780373	0.344252596
ENSMUSG00000026558	Uck2	0.171176445	0.108850497	0.344291322
ENSMUSG00000057421	Las1l	0.145319173	0.108946437	0.344507051
ENSMUSG00000063354	Slc39a4	-0.107444716	0.108997741	0.344581557
ENSMUSG00000003123	Lipe	-0.148236084	0.1091037	0.344705889
ENSMUSG00000021096	Ppm1a	-0.161467867	0.109186906	0.344705889
ENSMUSG00000021339	Mrs2	0.159876206	0.109473661	0.344705889
ENSMUSG00000026192	Atic	0.167749376	0.109259184	0.344705889
ENSMUSG00000028932	Psmc2	0.144114546	0.109324613	0.344705889
ENSMUSG00000030718	Ppme1	-0.15840524	0.109245521	0.344705889
ENSMUSG00000031004	Mki67	-0.1601572	0.109427516	0.344705889
ENSMUSG00000031782	Coq9	0.133468563	0.109481099	0.344705889
ENSMUSG00000035273	Hpse	-0.167800637	0.109200004	0.344705889
ENSMUSG00000036934	4921524J17Rik	0.155650305	0.109349503	0.344705889
ENSMUSG00000037410	Tbc1d2b	-0.169355667	0.109458556	0.344705889
ENSMUSG00000057835	Zfp119a	-0.15872495	0.109183234	0.344705889
ENSMUSG00000066235	Pomgnt2	-0.143007421	0.109121707	0.344705889
ENSMUSG00000071497	Nutf2-ps1	0.155387021	0.109290422	0.344705889
ENSMUSG00000082329	Gm14287	0.168802901	0.109267141	0.344705889
ENSMUSG00000116175	LT629148.10	-0.046118114	0.109472619	0.344705889
ENSMUSG00000061887	Ssbp3	-0.166494343	0.109633971	0.345099735
ENSMUSG00000002731	Prkra	-0.15307966	0.109662377	0.345101694
ENSMUSG00000017002	Slpi	-0.186031892	0.109773639	0.345216491
ENSMUSG00000028063	Lmna	-0.09323736	0.109732875	0.345216491
ENSMUSG00000030079	Ruvbl1	0.142464488	0.109782235	0.345216491
ENSMUSG00000038058	Nod1	-0.153192553	0.109869013	0.345401925
ENSMUSG00000021244	Ylpm1	0.135314387	0.109951123	0.34540745
ENSMUSG00000025178	Pi4k2a	-0.155627267	0.109954195	0.34540745
ENSMUSG00000032422	Snx14	-0.165468284	0.109945588	0.34540745
ENSMUSG00000034430	Zxdc	-0.168901963	0.110073017	0.3456059

ENSMUSG00000062937	Mtap	0.157508793	0.110050819	0.3456059
ENSMUSG00000002409	Dyrk1b	-0.110747631	0.110161607	0.345796645
ENSMUSG000000051116	Gm8121	-0.161801318	0.110265752	0.346036107
ENSMUSG000000024182	Axin1	-0.167042119	0.110295804	0.346042986
ENSMUSG000000039316	Rftn1	-0.159583919	0.110328881	0.34605935
ENSMUSG00000001138	Cnm3	-0.133098286	0.110469733	0.346413672
ENSMUSG000000026429	Ube2t	-0.14393827	0.110569115	0.346550334
ENSMUSG000000031231	Cox7b	0.125459993	0.110546765	0.346550334
ENSMUSG000000030662	Ipo5	0.167853677	0.110616851	0.346612489
ENSMUSG00000002984	Tomm40	0.16035585	0.110792867	0.346784544
ENSMUSG000000026421	Csrp1	-0.145889087	0.11075301	0.346784544
ENSMUSG000000044390	Tigd3	-0.158163112	0.110767064	0.346784544
ENSMUSG000000048012	Zfp473	-0.093415241	0.110811356	0.346784544
ENSMUSG000000067369	Trmt2b	-0.163639465	0.110796936	0.346784544
ENSMUSG000000022479	Vdr	-0.122004276	0.111036038	0.347400158
ENSMUSG000000083261	Gm7816	0.144671352	0.11109292	0.347490598
ENSMUSG000000022769	Sdf2l1	0.159129324	0.111177299	0.34757947
ENSMUSG000000078427	Sarnp	0.147937333	0.111154037	0.34757947
ENSMUSG000000041459	Tardbp	0.165873292	0.111210674	0.347596322
ENSMUSG000000025404	R3hdm2	-0.168121337	0.11128902	0.34775369
ENSMUSG000000030602	Pak4	-0.166518057	0.111649286	0.348703995
ENSMUSG000000061689	Dlgap4	-0.150220974	0.11164282	0.348703995
ENSMUSG000000037720	Tmem33	0.146108841	0.111720472	0.348750937
ENSMUSG000000040111	Gramd1b	-0.133504098	0.111696582	0.348750937
ENSMUSG000000029759	Pon3	0.149932452	0.11176905	0.348814916
ENSMUSG000000022827	Rabl3	0.15438286	0.112002347	0.349327139
ENSMUSG000000027122	Arl14ep	0.166484889	0.112045674	0.349327139
ENSMUSG000000038121	Fam210a	0.160210017	0.11203285	0.349327139
ENSMUSG000000091957	Rps2-ps10	0.164945859	0.112029491	0.349327139
ENSMUSG000000033059	Pygb	-0.147774416	0.112144913	0.349548799
ENSMUSG000000024205	Rpl36-ps2	0.168493487	0.112285959	0.349900626
ENSMUSG000000042700	Sipa1l1	0.152376253	0.112354075	0.350025072
ENSMUSG000000015806	Qdpr	0.156821235	0.112412689	0.350056932
ENSMUSG000000054115	Skp2	-0.146191285	0.112423587	0.350056932
ENSMUSG000000111277	Rab3a	-0.097262589	0.11244885	0.350056932
ENSMUSG000000055150	Zfp78	0.14340868	0.112513921	0.350171741
ENSMUSG000000024018	Ccdc167	0.152101698	0.112557259	0.350218865
ENSMUSG000000069495	Epc2	0.133313753	0.112681804	0.350518578
ENSMUSG000000007682	Dio2	0.162196972	0.112786233	0.350755585
ENSMUSG000000029022	Miip	-0.158199557	0.112861558	0.350901981
ENSMUSG000000021051	Ppp2r5e	-0.16699064	0.113010224	0.35118839
ENSMUSG000000023495	Pcbp4	-0.048159923	0.112982869	0.35118839
ENSMUSG000000037613	Tnfrsf23	0.110847047	0.113060579	0.35125699

ENSMUSG00000030720	Cln3	-0.15044658	0.113095014	0.351276112
ENSMUSG00000037992	Rara	-0.08012182	0.113158649	0.351385896
ENSMUSG00000111497	Gm38431	-0.132077818	0.11323645	0.351539601
ENSMUSG00000021917	Spcs1	0.139578292	0.11337866	0.351649825
ENSMUSG00000022394	L3mbtl2	-0.158073464	0.113389075	0.351649825
ENSMUSG00000030199	Etv6	-0.164133185	0.11338505	0.351649825
ENSMUSG00000059305	Vpreb1	0.119863649	0.113365816	0.351649825
ENSMUSG00000062075	Lmnb2	-0.151896883	0.113413509	0.351649825
ENSMUSG00000060681	Slc9a6	-0.156210051	0.113499156	0.351827555
ENSMUSG00000038084	Opa1	0.14572924	0.113535038	0.351850974
ENSMUSG00000031165	Was	-0.167126047	0.11359264	0.351941677
ENSMUSG00000041649	Klf8	0.043860869	0.113717714	0.352241328
ENSMUSG00000037458	Azin1	0.139578959	0.113752712	0.352261889
ENSMUSG00000029763	Exoc4	-0.16419397	0.113817816	0.352375646
ENSMUSG00000000301	Pemt	0.160659882	0.114014049	0.352414655
ENSMUSG00000001098	Kctd10	-0.157419693	0.114029023	0.352414655
ENSMUSG00000020453	Patz1	0.123646856	0.113956307	0.352414655
ENSMUSG00000051185	Fam174a	0.158042203	0.113863786	0.352414655
ENSMUSG00000068114	Ccdc134	-0.165087689	0.113998649	0.352414655
ENSMUSG00000094248	Hist1h2ao	-0.141687936	0.114004136	0.352414655
ENSMUSG00000098404	Mrip-ps	-0.161080487	0.113951914	0.352414655
ENSMUSG00000018761	Mpdu1	0.160574096	0.114075557	0.35243599
ENSMUSG00000021998	Lcp1	-0.157821586	0.114121049	0.35243599
ENSMUSG00000114871	Gm21370	-0.164559695	0.114092772	0.35243599
ENSMUSG00000038546	Ranbp9	-0.16552731	0.114167474	0.352491723
ENSMUSG00000018899	Irf1	-0.163009855	0.114285139	0.352679681
ENSMUSG00000033233	Trim45	0.16047761	0.11426134	0.352679681
ENSMUSG00000074825	Itpripl1	-0.158094199	0.114366243	0.3528423
ENSMUSG00000113890	Gm48368	0.153309482	0.114400705	0.352860977
ENSMUSG00000030786	Itgam	-0.134135832	0.11443081	0.35286621
ENSMUSG00000056612	Ppp1r14b	0.153396046	0.114572776	0.353216295
ENSMUSG00000031386	Hcfc1	0.164453496	0.11464416	0.353348662
ENSMUSG00000021493	Pdlim7	-0.164374663	0.114746165	0.35339668
ENSMUSG00000027995	Tlr2	0.166061385	0.114766107	0.35339668
ENSMUSG00000044461	Shisa2	0.11592741	0.114773545	0.35339668
ENSMUSG00000105529	Gm9480	0.08461583	0.114740705	0.35339668
ENSMUSG00000019143	Hars2	-0.162880798	0.114929398	0.353545182
ENSMUSG00000026946	Nmi	0.158214534	0.114880001	0.353545182
ENSMUSG00000028497	Hacd4	-0.165840799	0.114982831	0.353545182
ENSMUSG00000031487	Brf2	-0.157002554	0.114992556	0.353545182
ENSMUSG00000040464	Gtpbp10	0.159159537	0.114966077	0.353545182
ENSMUSG00000091639	Gm3756	0.129470215	0.114905841	0.353545182
ENSMUSG00000025193	Cutc	0.134272672	0.115045708	0.353621068

ENSMUSG00000030970	Ctbp2	-0.15910465	0.115089925	0.35366379
ENSMUSG00000079442	St6galnac4	0.14498182	0.115116553	0.35366379
ENSMUSG00000035078	Mtmr9	0.160758969	0.115343281	0.354272724
ENSMUSG00000023044	Csad	-0.147260321	0.115516151	0.354634343
ENSMUSG00000038884	A230050P20Rik	-0.15693444	0.115518119	0.354634343
ENSMUSG00000000276	Dgke	-0.152885328	0.115621384	0.354775992
ENSMUSG00000108312	Gm44521	-0.157360098	0.115599122	0.354775992
ENSMUSG00000091896	Ube2d2a	-0.163415198	0.115707973	0.354953998
ENSMUSG00000027936	Crtc2	-0.161951451	0.115857235	0.354973536
ENSMUSG00000039153	Runx2	0.160793851	0.115755401	0.354973536
ENSMUSG00000041995	Zbed3	-0.145838207	0.115832928	0.354973536
ENSMUSG00000045751	Mms22l	0.165941784	0.115789236	0.354973536
ENSMUSG00000082402	Gm15621	0.088284338	0.115848744	0.354973536
ENSMUSG00000021624	Cd180	-0.101014061	0.11624331	0.355907762
ENSMUSG00000032244	Fem1b	0.161675223	0.116222242	0.355907762
ENSMUSG00000036712	Cyld	-0.158477333	0.116248111	0.355907762
ENSMUSG00000031432	Prps1	0.164393972	0.116467673	0.35640428
ENSMUSG00000053310	Nrgn	-0.160428403	0.116440101	0.35640428
ENSMUSG00000060244	Alyref2	-0.153550566	0.116554694	0.356582721
ENSMUSG00000058159	T2	-0.06469834	0.116610404	0.356665312
ENSMUSG00000091421	Gm4202	-0.163452034	0.116727701	0.356848333
ENSMUSG00000112808	Gm4739	0.158306375	0.116699741	0.356848333
ENSMUSG00000036246	Gmip	-0.163977228	0.116763835	0.356870964
ENSMUSG00000005899	Smpd4	-0.134953364	0.116841076	0.357019191
ENSMUSG00000113368	Gm10054	0.086076067	0.116918391	0.357167569
ENSMUSG00000024817	Uhrf2	-0.163121338	0.116967677	0.357230272
ENSMUSG00000024999	Noc3l	0.164884785	0.117184431	0.357804281
ENSMUSG00000041263	Rusc1	-0.163415484	0.117380071	0.358313556
ENSMUSG00000015759	Cnih1	0.145886217	0.117619797	0.35886895
ENSMUSG00000016552	Foxred2	-0.138816749	0.117595117	0.35886895
ENSMUSG00000064326	Siva1	0.140699817	0.117659072	0.358900622
ENSMUSG00000022965	Ifngr2	-0.156975973	0.117777685	0.359086063
ENSMUSG00000039050	Osbpl2	-0.160823329	0.11775387	0.359086063
ENSMUSG00000026536	Ifi211	-0.13447647	0.117911958	0.359268318
ENSMUSG00000032246	Calml4	0.084624411	0.117953448	0.359268318
ENSMUSG00000057691	Zfp746	-0.163112323	0.117982084	0.359268318
ENSMUSG00000067931	Zfp948	-0.154610879	0.117960817	0.359268318
ENSMUSG00000070426	Rnf121	0.16468595	0.117932382	0.359268318
ENSMUSG00000030257	Srgap3	-0.073132549	0.118017049	0.359286706
ENSMUSG00000000420	Galnt1	-0.139995006	0.118431824	0.360329341
ENSMUSG00000003068	Stk11	0.135756289	0.1186023	0.360329341
ENSMUSG00000005681	Apoa2	0.087338904	0.118649653	0.360329341
ENSMUSG00000009894	Snap47	0.163950466	0.118641701	0.360329341

ENSMUSG00000015217	Hmgb3	0.164665517	0.11843698	0.360329341
ENSMUSG00000021715	Cwc27	0.157583566	0.118694393	0.360329341
ENSMUSG00000026012	Cd28	-0.143847692	0.118794674	0.360329341
ENSMUSG00000028882	Ppp1r8	0.164052519	0.118747609	0.360329341
ENSMUSG00000051341	Zfp52	-0.163773061	0.118768161	0.360329341
ENSMUSG00000052698	Tln2	0.111767444	0.11871287	0.360329341
ENSMUSG00000053580	Tanc2	-0.072236019	0.11856941	0.360329341
ENSMUSG00000059033	Rpl18a-ps1	0.102576369	0.118613794	0.360329341
ENSMUSG00000068744	Psrc1	-0.157938621	0.118744416	0.360329341
ENSMUSG00000080846	Gm13379	0.086651399	0.118657585	0.360329341
ENSMUSG00000090164	BC035044	-0.152290882	0.118659454	0.360329341
ENSMUSG00000032263	Bckdhb	0.146655276	0.118933531	0.360420396
ENSMUSG00000032598	Nckipsd	-0.15242835	0.118877497	0.360420396
ENSMUSG00000039782	Cpeb2	-0.052742931	0.118940762	0.360420396
ENSMUSG00000063953	Amd2	0.108188812	0.118928245	0.360420396
ENSMUSG00000074283	Zfp109	-0.114904623	0.119023029	0.360581717
ENSMUSG00000045594	Glb1	-0.139025895	0.119080397	0.360667548
ENSMUSG00000032126	Hmbs	0.135740632	0.119129063	0.360714242
ENSMUSG00000050490	Gm8394	0.091632398	0.119175553	0.360714242
ENSMUSG00000071533	Pcnp	0.147664988	0.11918988	0.360714242
ENSMUSG00000073489	Ifi204	-0.103917323	0.119211977	0.360714242
ENSMUSG00000069755	Zfp125	-0.158733468	0.119313264	0.360932795
ENSMUSG00000021916	Glt8d1	-0.159909662	0.119470971	0.361321874
ENSMUSG00000063576	Klhdc3	-0.144236996	0.119624927	0.361611395
ENSMUSG00000105641	Gm5853	0.089672383	0.119608897	0.361611395
ENSMUSG00000018042	Cyb5r3	-0.141770014	0.119686997	0.361710995
ENSMUSG00000018820	Zfyve27	-0.151094051	0.119866509	0.361751155
ENSMUSG00000019471	Cdc37	0.13692277	0.119925998	0.361751155
ENSMUSG00000025495	Ptdss2	-0.160760932	0.119889864	0.361751155
ENSMUSG00000027454	Gins1	0.155706771	0.119883295	0.361751155
ENSMUSG00000029882	2210010C04Rik	-0.103436949	0.119876506	0.361751155
ENSMUSG00000033813	Tcea1	0.126084043	0.119930617	0.361751155
ENSMUSG00000049922	Slc35c1	-0.15951727	0.119933279	0.361751155
ENSMUSG00000074754	Smim26	0.157034194	0.11983403	0.361751155
ENSMUSG00000020225	Tmbim4	0.120849053	0.119993003	0.361773862
ENSMUSG00000020232	Hmg20b	-0.162679673	0.119999059	0.361773862
ENSMUSG00000038014	Fam120a	0.161585192	0.120042771	0.361817826
ENSMUSG00000083390	Gm13121	0.089588913	0.12033465	0.36260958
ENSMUSG00000025786	Zdhhc3	0.14057457	0.120364292	0.362610933
ENSMUSG00000030850	Ate1	0.156559399	0.120402349	0.362637628
ENSMUSG00000036333	Kidins220	0.086130492	0.120593425	0.363125073
ENSMUSG00000030148	Clec4a2	-0.157311588	0.120714699	0.363383014
ENSMUSG00000047115	Fam221a	0.149479481	0.120737597	0.363383014

ENSMUSG00000027430	Dtd1	0.155508098	0.120809976	0.363512768
ENSMUSG00000023707	Ogfod2	0.149787406	0.120844316	0.363528033
ENSMUSG00000028333	Anp32b	0.138874623	0.120924961	0.363682552
ENSMUSG00000020986	Sec23a	-0.15488379	0.121079825	0.363857239
ENSMUSG00000023036	Pcdhgc4	0.046679789	0.121132958	0.363857239
ENSMUSG00000028607	Cpt2	-0.154902013	0.121158807	0.363857239
ENSMUSG00000037405	Icam1	0.158861959	0.121053955	0.363857239
ENSMUSG00000041750	Cd1d2	-0.089306368	0.121137347	0.363857239
ENSMUSG00000084328	Gm14046	0.126393997	0.121155355	0.363857239
ENSMUSG00000039531	Zup1	-0.160561126	0.121199686	0.363892022
ENSMUSG00000027472	Pdrg1	-0.137379331	0.121332599	0.364203049
ENSMUSG00000024235	Map3k8	-0.153867582	0.12142822	0.36440201
ENSMUSG00000047454	Gphn	0.09167757	0.121464096	0.364421628
ENSMUSG00000052144	Ppp4r2	-0.157380679	0.121531828	0.364448777
ENSMUSG00000055725	Paqr3	-0.110608536	0.121520932	0.364448777
ENSMUSG00000018774	Cd68	-0.153287186	0.121763407	0.364790949
ENSMUSG00000019088	Dnase1l1	-0.160469329	0.121751302	0.364790949
ENSMUSG00000051518	Rps19bp1	0.144887433	0.121726548	0.364790949
ENSMUSG00000090963	Gm17655	-0.160810073	0.121756187	0.364790949
ENSMUSG00000026568	Mpc2	0.140109022	0.12181756	0.364865182
ENSMUSG00000027981	Rnpc3	0.158270472	0.121898724	0.365020264
ENSMUSG00000056973	Ces1d	0.104877588	0.122011502	0.365269911
ENSMUSG00000027263	Tubgcp4	-0.155692024	0.122047408	0.365289364
ENSMUSG00000009621	Vav2	-0.057412043	0.122276012	0.365770221
ENSMUSG00000015474	Ppt2	-0.147158611	0.122294052	0.365770221
ENSMUSG00000022428	Cby1	0.138209652	0.122309821	0.365770221
ENSMUSG00000035890	Rnf126	-0.142967303	0.122355307	0.365770221
ENSMUSG00000057177	Gsk3a	-0.137405676	0.122352623	0.365770221
ENSMUSG00000001054	Rmnd5b	-0.143102321	0.12240377	0.365827052
ENSMUSG00000005621	Zfp592	-0.104306113	0.122508877	0.365965069
ENSMUSG00000020720	Psm12	0.151627966	0.122494175	0.365965069
ENSMUSG00000011382	Dhdh	-0.160995284	0.122619765	0.366168414
ENSMUSG00000034164	Emid1	-0.157745778	0.122635907	0.366168414
ENSMUSG00000022403	St13	0.158425154	0.122788635	0.366485177
ENSMUSG00000026470	Stx6	-0.148971374	0.122801007	0.366485177
ENSMUSG00000033016	Nfatc1	-0.160951632	0.122839183	0.366511048
ENSMUSG00000001525	Tubb5	0.153279615	0.123062634	0.367034408
ENSMUSG00000040225	Prrc2c	0.150055795	0.123073691	0.367034408
ENSMUSG00000109613	Gm45405	0.08513482	0.123107395	0.367046796
ENSMUSG00000031214	Ophn1	0.077260259	0.123326055	0.367610494
ENSMUSG00000020439	Smtn	-0.159484393	0.12341327	0.367782204
ENSMUSG00000044231	Nhlrc1	-0.141464184	0.123470767	0.367817534
ENSMUSG00000107369	Gstm2-ps1	0.108708632	0.12348435	0.367817534

ENSMUSG00000042507	Elmsan1	0.094085422	0.12352435	0.367848465
ENSMUSG00000067768	Xlr4b	-0.159824809	0.123574873	0.367910715
ENSMUSG00000069094	Pde7a	-0.159066813	0.123665615	0.368092643
ENSMUSG00000003234	Abcf3	-0.149980814	0.123708985	0.368133517
ENSMUSG00000018585	Atox1	0.127378585	0.123753512	0.368177815
ENSMUSG00000021262	Evl	-0.150171305	0.123798483	0.36822341
ENSMUSG00000022556	Hsf1	-0.159555302	0.123886509	0.36830884
ENSMUSG00000040410	Fbxl4	-0.157339894	0.123873726	0.36830884
ENSMUSG00000037395	Rcor3	-0.146545247	0.123983792	0.368509853
ENSMUSG00000093419	Gm19898	0.154595009	0.124090573	0.368650802
ENSMUSG00000116045	Hgs	-0.147227312	0.124084193	0.368650802
ENSMUSG00000023826	Prkn	-0.136360182	0.124157711	0.368673901
ENSMUSG00000050357	Carmil2	-0.120593898	0.124150357	0.368673901
ENSMUSG00000036620	Mgat4b	-0.156425499	0.124244305	0.368754723
ENSMUSG00000037007	Zfp113	-0.159358425	0.124243927	0.368754723
ENSMUSG00000020903	Stx8	0.138968884	0.124401449	0.36913292
ENSMUSG00000031434	Morc4	-0.104996682	0.124514325	0.369291411
ENSMUSG00000057469	E2f6	-0.159961232	0.124487111	0.369291411
ENSMUSG00000029191	Rfc1	0.156614046	0.124676422	0.369683896
ENSMUSG00000022261	Sdc2	-0.160112794	0.124763426	0.369853582
ENSMUSG00000004460	Dnajb11	0.156292722	0.124965348	0.370269799
ENSMUSG00000030057	Cnbp	0.141816358	0.124993259	0.370269799
ENSMUSG00000053134	Supt7l	-0.154870737	0.124969462	0.370269799
ENSMUSG00000027881	Prpf38b	0.145784939	0.125049794	0.370348948
ENSMUSG00000004535	Tax1bp1	0.159223211	0.125118936	0.370465388
ENSMUSG00000026072	Ii1r1	0.090180814	0.125163021	0.370507598
ENSMUSG00000015966	Ii17rb	-0.116336403	0.125362743	0.370619733
ENSMUSG00000020628	Trappc12	-0.151811903	0.125238519	0.370619733
ENSMUSG00000027575	Arfgap1	-0.141930001	0.125354367	0.370619733
ENSMUSG00000041607	Mbp	0.144632059	0.125391233	0.370619733
ENSMUSG00000045102	Poln	-0.07774296	0.125365083	0.370619733
ENSMUSG00000050619	Zscan29	-0.159010831	0.125380042	0.370619733
ENSMUSG00000081221	Gm14760	0.026906576	0.125409769	0.370619733
ENSMUSG00000021236	Entpd5	0.155838572	0.1254728	0.370717804
ENSMUSG00000026202	Tuba4a	0.159335947	0.125772273	0.371144403
ENSMUSG00000028295	Smim8	0.15982432	0.125721444	0.371144403
ENSMUSG00000028820	Sfpq	0.153120993	0.125714591	0.371144403
ENSMUSG00000031605	Klhl2	-0.133084462	0.125826349	0.371144403
ENSMUSG00000032594	Ip6k1	-0.129508748	0.125725351	0.371144403
ENSMUSG00000070495	Ctcf1	-0.149146384	0.125801865	0.371144403
ENSMUSG00000110040	Gm49369	-0.12922461	0.125791905	0.371144403
ENSMUSG00000036686	Cc2d1a	-0.155903782	0.126356726	0.372620345
ENSMUSG00000020085	Aifm2	0.144198219	0.126428715	0.372744141

ENSMUSG00000037525	Bcdin3d	-0.155510164	0.126511319	0.372779063
ENSMUSG00000037896	Rcor1	0.147126373	0.126530596	0.372779063
ENSMUSG00000068141	Gm10232	-0.140668743	0.126482952	0.372779063
ENSMUSG00000016833	Mrps18c	0.151507355	0.126756463	0.372982457
ENSMUSG00000038736	Nudcd1	0.1574353	0.126809831	0.372982457
ENSMUSG00000066232	lpo7	0.061941315	0.126676307	0.372982457
ENSMUSG00000070544	Top1	0.148964905	0.126672223	0.372982457
ENSMUSG00000081309	Gm12397	-0.129789445	0.126760915	0.372982457
ENSMUSG00000116640	Gm8670	0.083480141	0.126792212	0.372982457
ENSMUSG00000117924	Tmem223	0.152298559	0.126760802	0.372982457
ENSMUSG00000024271	Elp2	-0.143903802	0.126911214	0.373015661
ENSMUSG00000025646	Atrip	-0.134617313	0.12688212	0.373015661
ENSMUSG00000067224	Gm3695	0.090286861	0.12690423	0.373015661
ENSMUSG00000009406	Elk1	-0.121803802	0.127053577	0.373257445
ENSMUSG00000019876	Pkib	-0.157897902	0.127041749	0.373257445
ENSMUSG00000035561	Aldh1b1	-0.156211869	0.127171197	0.373514645
ENSMUSG00000078348	Sf3b5	0.117821275	0.127392838	0.374075259
ENSMUSG00000078521	Aunip	0.142848014	0.127422303	0.374075259
ENSMUSG00000046658	Zfp316	-0.105010561	0.127546696	0.374175133
ENSMUSG00000069306	Hist1h4m	0.081073551	0.127496562	0.374175133
ENSMUSG00000089857	Zfp882	-0.082116155	0.127522785	0.374175133
ENSMUSG00000036450	Hif1an	-0.156870832	0.127629021	0.374239866
ENSMUSG00000100865	Gm9320	0.145019777	0.127604291	0.374239866
ENSMUSG00000052373	Mpp3	-0.083397793	0.12776323	0.374544979
ENSMUSG00000021725	Parp8	-0.148232884	0.12779472	0.374548896
ENSMUSG00000016984	Etaa1	-0.143967814	0.127841542	0.374597733
ENSMUSG00000005873	Reep5	-0.159485613	0.12796686	0.374699756
ENSMUSG00000027714	Exosc9	0.148601131	0.127960445	0.374699756
ENSMUSG00000038208	Pgap3	-0.134964052	0.127938203	0.374699756
ENSMUSG00000018931	Natd1	0.083344607	0.128034876	0.374810557
ENSMUSG00000006705	Pknox1	-0.144235808	0.128225113	0.375190607
ENSMUSG00000025858	Get4	0.134933815	0.128221397	0.375190607
ENSMUSG00000096199	Ptrhd1	0.149659093	0.12833278	0.375417208
ENSMUSG00000002083	Bbc3	-0.117099399	0.128530316	0.375818045
ENSMUSG00000041571	Selenow	-0.143628191	0.128504106	0.375818045
ENSMUSG00000003062	Stard3nl	-0.145322282	0.128601581	0.375832503
ENSMUSG00000004035	Gstm7	-0.15653852	0.128642473	0.375832503
ENSMUSG00000010376	Nedd8	0.132094968	0.128684418	0.375832503
ENSMUSG00000021962	Dcp1a	0.124128327	0.128861561	0.375832503
ENSMUSG00000022453	Naga	-0.156442889	0.12886889	0.375832503
ENSMUSG00000025916	Ppp1r42	0.073086246	0.12882582	0.375832503
ENSMUSG00000031840	Rab3a	-0.147923852	0.128742741	0.375832503
ENSMUSG00000035620	Ric8b	-0.154793494	0.128803336	0.375832503

ENSMUSG00000038642	Ctss	-0.149943651	0.128698219	0.375832503
ENSMUSG00000042178	Armc5	-0.156850569	0.128654573	0.375832503
ENSMUSG00000058833	Rex1bd	0.119520643	0.128898355	0.375832503
ENSMUSG00000110720	Gm46223	-0.157108545	0.128796621	0.375832503
ENSMUSG00000034773	BC030867	-0.156563305	0.128966487	0.375942909
ENSMUSG00000028300	C9orf72	-0.116527133	0.129026021	0.376028203
ENSMUSG00000068587	Mgam	0.104633107	0.129142238	0.376278615
ENSMUSG00000071648	Rom1	-0.140693427	0.129203388	0.376368501
ENSMUSG00000018666	Cbx1	0.148309765	0.129268866	0.376470947
ENSMUSG00000033147	Slc22a15	0.159134742	0.129533537	0.37715332
ENSMUSG00000002733	Plekha3	-0.148220605	0.129598206	0.37725318
ENSMUSG00000036061	Smug1	-0.147383909	0.129658371	0.377339885
ENSMUSG00000024299	Adamts10	-0.148504179	0.129789111	0.377450215
ENSMUSG00000031362	Xlr4c	0.080700479	0.129817834	0.377450215
ENSMUSG00000034906	Ncaph	-0.151462457	0.129774709	0.377450215
ENSMUSG00000056234	Ncoa4	0.139195839	0.129793178	0.377450215
ENSMUSG00000025757	Hspa4l	-0.136982617	0.12987455	0.377526746
ENSMUSG00000035212	Leprot	-0.137018958	0.130073776	0.377752249
ENSMUSG00000062762	Ei24	-0.14565252	0.130016368	0.377752249
ENSMUSG00000094127	G530012D18Rik	-0.11586356	0.130048157	0.377752249
ENSMUSG00000109398	Gm3854	-0.083990818	0.130071677	0.377752249
ENSMUSG00000022339	Ebag9	-0.15651499	0.130486533	0.378617252
ENSMUSG00000025145	Lrrc45	-0.148058167	0.130564286	0.378617252
ENSMUSG00000028931	Kcnab2	-0.119568794	0.130497813	0.378617252
ENSMUSG00000029141	Slc4a1ap	0.157502469	0.130437397	0.378617252
ENSMUSG00000031627	Irf2	-0.153551981	0.130426963	0.378617252
ENSMUSG00000034152	Exoc3	-0.142980122	0.130578819	0.378617252
ENSMUSG00000058301	Upf1	-0.156544039	0.130585002	0.378617252
ENSMUSG00000019087	Atp6ap1	-0.12685277	0.13068649	0.378646348
ENSMUSG00000025733	Rhot2	-0.128707411	0.130672697	0.378646348
ENSMUSG00000035085	1700020L24Rik	0.152674595	0.130684414	0.378646348
ENSMUSG00000000740	Rpl13	0.131266923	0.130801395	0.378839087
ENSMUSG00000030611	Mrps11	0.124811894	0.130814012	0.378839087
ENSMUSG00000030137	Tuba8	0.154721846	0.130891692	0.378975688
ENSMUSG00000004562	Arhgef40	-0.155788754	0.130935593	0.379005492
ENSMUSG00000026571	Dcaf6	-0.084421582	0.130979809	0.379005492
ENSMUSG00000037991	Rmi2	-0.156192616	0.130993525	0.379005492
ENSMUSG00000061313	Ddhd2	0.156085715	0.131087015	0.379187659
ENSMUSG00000040365	Trim41	0.118174067	0.131397275	0.379996635
ENSMUSG00000001768	Rin2	-0.098031766	0.131679119	0.38005153
ENSMUSG00000007080	Pole	0.154664219	0.131653035	0.38005153
ENSMUSG00000017776	Crk	0.132961069	0.131666667	0.38005153
ENSMUSG00000019841	Rev3l	0.13939859	0.131647059	0.38005153

ENSMUSG00000020457	Drg1	0.134623031	0.131489348	0.38005153
ENSMUSG00000021009	Ptpn21	-0.078368815	0.131497488	0.38005153
ENSMUSG00000025417	Pip4k2c	-0.147909012	0.131691634	0.38005153
ENSMUSG00000029594	Rbm19	0.15554559	0.131651946	0.38005153
ENSMUSG00000075502	Kbtbd6	-0.149733599	0.131674177	0.38005153
ENSMUSG00000035266	Helq	0.15582506	0.131823566	0.380343904
ENSMUSG00000042265	Trem1	0.155793823	0.131916754	0.380436034
ENSMUSG00000054404	Slfn5	-0.150631538	0.131889969	0.380436034
ENSMUSG00000039634	Zfp189	-0.151242826	0.131952309	0.380450238
ENSMUSG00000000131	Xpo6	-0.15441663	0.132135143	0.380800605
ENSMUSG00000026696	Vamp4	-0.154189148	0.132124568	0.380800605
ENSMUSG00000071646	Mta2	-0.152795735	0.132168224	0.380807587
ENSMUSG00000030533	Unc45a	-0.152505598	0.132262362	0.38097492
ENSMUSG00000033031	Cip2a	-0.142112506	0.132318316	0.38097492
ENSMUSG00000040771	Oard1	0.115115631	0.132309559	0.38097492
ENSMUSG00000029625	Cpsf4	-0.146806829	0.132356638	0.380996942
ENSMUSG00000050144	Slc25a44	-0.150204414	0.132426005	0.381108296
ENSMUSG00000026083	Eif5b	0.118049817	0.132467897	0.381124408
ENSMUSG00000036553	Sh3tc1	-0.130448661	0.132492971	0.381124408
ENSMUSG00000034867	Ankrd27	-0.155449955	0.132576799	0.381188985
ENSMUSG00000035783	Acta2	0.073258173	0.132573312	0.381188985
ENSMUSG00000091586	Cyp4f17	-0.100856405	0.132661358	0.381343838
ENSMUSG00000021639	Gtf2h2	0.140487289	0.132766944	0.381431778
ENSMUSG00000028568	Btf3l4	0.134275338	0.132728591	0.381431778
ENSMUSG00000110195	Pde2a	-0.096245735	0.132784076	0.381431778
ENSMUSG00000020070	Rufy2	-0.089787277	0.132821012	0.381449662
ENSMUSG00000027828	Ssr3	0.150111046	0.132903074	0.381597106
ENSMUSG00000016831	Tox4	-0.148139882	0.133183003	0.382224141
ENSMUSG00000026672	Optn	0.139049306	0.133176625	0.382224141
ENSMUSG00000031578	Mak16	0.128968521	0.133275541	0.382350217
ENSMUSG00000061759	Armt1	0.118823861	0.133288499	0.382350217
ENSMUSG00000008129	4930432K21Rik	-0.084451445	0.133396287	0.382402949
ENSMUSG00000025810	Nrp1	-0.154591886	0.133430028	0.382402949
ENSMUSG00000048118	Arid4a	-0.132027642	0.133405676	0.382402949
ENSMUSG00000101892	9130401M01Rik	0.145194782	0.133422313	0.382402949
ENSMUSG00000055102	Zfp819	0.083812677	0.133510308	0.38254476
ENSMUSG00000019179	Mdh2	0.15329097	0.133715417	0.382752433
ENSMUSG00000025235	Bbs4	-0.15435357	0.133698217	0.382752433
ENSMUSG00000044308	Ubr3	-0.088322323	0.133713059	0.382752433
ENSMUSG00000063445	Nmral1	0.140108927	0.133736862	0.382752433
ENSMUSG00000108294	Gm44429	0.078825939	0.133701939	0.382752433
ENSMUSG00000020248	Nfyb	0.135312721	0.13388109	0.383076946
ENSMUSG00000058922	Gm10052	0.152469887	0.133929394	0.383126901

ENSMUSG00000006456	Rbm14	-0.155977288	0.133990724	0.383214088
ENSMUSG00000040236	Trappc5	0.130191824	0.134091894	0.383415152
ENSMUSG00000002017	Fam98a	0.142282566	0.134276066	0.383765075
ENSMUSG00000039968	Rsbn1l	0.155410561	0.134254921	0.383765075
ENSMUSG00000030750	Nsmce1	0.117097	0.134330942	0.383833593
ENSMUSG00000043939	A530064D06Rik	-0.089274936	0.134435098	0.38404286
ENSMUSG00000041133	Smc1a	0.122441156	0.134580185	0.384280568
ENSMUSG00000043929	Klhl15	0.141824176	0.134577163	0.384280568
ENSMUSG00000039985	Sinhcaf	0.142070975	0.134706621	0.384553193
ENSMUSG00000037725	Ckap2	-0.147519945	0.134862676	0.384910225
ENSMUSG00000028179	Cth	0.07742944	0.134999578	0.38510122
ENSMUSG00000033530	Ttc7b	-0.149345512	0.134995769	0.38510122
ENSMUSG00000108609	Gm7424	0.078335117	0.135049791	0.38510122
ENSMUSG00000109074	Gm45162	0.089760095	0.135053612	0.38510122
ENSMUSG00000023330	Dtwd1	0.15173584	0.135183543	0.385370619
ENSMUSG00000114025	Gm49331	-0.12630795	0.135210141	0.385370619
ENSMUSG00000022711	Pmm2	0.124436643	0.135280313	0.385482168
ENSMUSG00000001521	Tulp3	-0.15378708	0.135392505	0.385624926
ENSMUSG00000074794	Arrdc3	-0.093218236	0.135390668	0.385624926
ENSMUSG00000030742	Lat	-0.094063121	0.13566555	0.386314029
ENSMUSG00000022337	Emc2	0.127432801	0.135708127	0.386346698
ENSMUSG00000022698	Naa50	0.13591103	0.135798179	0.386514478
ENSMUSG00000040697	Dnajc16	-0.108275667	0.13595442	0.386870526
ENSMUSG00000079162	Trim43b	-0.113397016	0.136037684	0.386978494
ENSMUSG00000109711	Gm45445	0.094420817	0.136054672	0.386978494
ENSMUSG00000032553	Srprb	-0.152879559	0.136141576	0.387137024
ENSMUSG00000029923	Rab19	-0.099827517	0.136617088	0.388400286
ENSMUSG00000016554	Eif3d	0.147956078	0.136732013	0.38854915
ENSMUSG00000077450	Rab11b	-0.127583056	0.136715223	0.38854915
ENSMUSG00000005470	Asf1b	-0.136094912	0.136920171	0.38899287
ENSMUSG00000040297	Suco	-0.125392367	0.136963262	0.38899287
ENSMUSG00000050908	Tvp23a	-0.079566494	0.136982112	0.38899287
ENSMUSG00000005674	Tomm40l	0.134833049	0.137120499	0.38910024
ENSMUSG00000021457	Syk	-0.151537393	0.137130056	0.38910024
ENSMUSG00000026788	Zbtb43	-0.142296557	0.137267634	0.38910024
ENSMUSG00000039395	Mreg	0.123444046	0.137162983	0.38910024
ENSMUSG00000041297	Cdk13	-0.152273713	0.137158901	0.38910024
ENSMUSG00000056185	Snx32	-0.134559012	0.13727053	0.38910024
ENSMUSG00000109492	Gm33882	0.075697128	0.137229322	0.38910024
ENSMUSG00000111559	AEKR01077154.1	-0.152188172	0.137264806	0.38910024
ENSMUSG00000057134	Ado	-0.145827057	0.137334379	0.389103631
ENSMUSG00000079562	Maea	-0.135370977	0.137322061	0.389103631
ENSMUSG00000056071	S100a9	-0.153791229	0.137369689	0.389114916

ENSMUSG00000019320	Noxo1	0.039488375	0.137682001	0.389812942
ENSMUSG00000054648	Zfp869	-0.152148936	0.137710264	0.389812942
ENSMUSG00000063065	Mapk3	-0.127060524	0.137705383	0.389812942
ENSMUSG00000004929	Thop1	0.152279966	0.137771093	0.389831966
ENSMUSG00000046157	Tmem229b	-0.140298662	0.137811114	0.389831966
ENSMUSG00000075232	Amd1	0.13908235	0.137801761	0.389831966
ENSMUSG00000020577	Tspan13	-0.151114271	0.138079392	0.390501852
ENSMUSG00000022799	Arhgap31	-0.132860748	0.138373496	0.390622089
ENSMUSG00000025142	Aspscr1	-0.151979109	0.138318531	0.390622089
ENSMUSG00000025971	Maip1	0.149719174	0.13823928	0.390622089
ENSMUSG00000032946	Rasgrp2	0.116514599	0.138184589	0.390622089
ENSMUSG00000042246	Tmc7	0.087680631	0.138302905	0.390622089
ENSMUSG00000071573	Rnls	-0.152111601	0.13828425	0.390622089
ENSMUSG00000078619	Smarcd2	-0.148356629	0.138368028	0.390622089
ENSMUSG00000083822	Hmgb1-ps5	0.145304431	0.138309933	0.390622089
ENSMUSG00000020657	Dnajc27	0.113345679	0.138475142	0.39082021
ENSMUSG00000022905	Kpna1	-0.145198855	0.138519002	0.390855185
ENSMUSG00000026785	Pkn3	-0.150451348	0.138612767	0.390903419
ENSMUSG00000042660	Wdr55	0.14346307	0.13863051	0.390903419
ENSMUSG00000049804	Armcx4	0.071339723	0.138569429	0.390903419
ENSMUSG00000037257	Aagab	-0.151211464	0.139037002	0.391693946
ENSMUSG00000039676	Capsl	0.126747258	0.139030706	0.391693946
ENSMUSG00000062580	Timm17a	0.151952468	0.138953743	0.391693946
ENSMUSG00000094915	AC168977.2	-0.151992674	0.139016037	0.391693946
ENSMUSG00000026430	Rassf5	-0.14580385	0.139129144	0.391864649
ENSMUSG00000040848	Sft2d2	0.133526887	0.13920565	0.391991244
ENSMUSG00000002058	Unc119	0.150773686	0.13944959	0.392380666
ENSMUSG00000022185	Acin1	0.147413068	0.13939514	0.392380666
ENSMUSG00000036398	Ppp1r11	0.119337131	0.139470303	0.392380666
ENSMUSG00000056394	Lig1	0.14892917	0.139415013	0.392380666
ENSMUSG00000034120	Srsf2	0.1547884	0.139621864	0.392718109
ENSMUSG00000016018	Mtrex	0.15064459	0.139691293	0.39282444
ENSMUSG00000002870	Mcm2	-0.145229056	0.139777578	0.392910538
ENSMUSG00000025203	Scd2	0.068568801	0.139823792	0.392910538
ENSMUSG00000027695	Pld1	-0.106774034	0.139807414	0.392910538
ENSMUSG00000027865	Gdap2	-0.143194238	0.139848441	0.392910538
ENSMUSG00000027360	Hdc	-0.151868861	0.139889593	0.392937277
ENSMUSG00000068263	Efcc1	-0.12898936	0.139949339	0.393016219
ENSMUSG00000040158	Tax1bp3	-0.125702114	0.140013659	0.393036937
ENSMUSG00000117013	CAA01141682.1	-0.13344035	0.140020002	0.393036937
ENSMUSG00000002812	Flii	0.134252537	0.140056791	0.393038493
ENSMUSG00000034675	Dbn1	-0.115551224	0.140083843	0.393038493
ENSMUSG00000025464	Paox	0.136244138	0.140118052	0.393045692

ENSMUSG00000029536	Gatc	-0.12874176	0.140237457	0.393203036
ENSMUSG00000035011	Zbtb7a	-0.129352833	0.140227117	0.393203036
ENSMUSG00000007603	Dus3l	-0.127994781	0.140338025	0.393380743
ENSMUSG00000029610	Aimp2	0.14981874	0.140381494	0.393380743
ENSMUSG00000037773	Pced1a	-0.1496713	0.140395848	0.393380743
ENSMUSG00000030966	Trim21	-0.151088967	0.140489712	0.393554965
ENSMUSG00000022543	4930451G09Rik	-0.089375589	0.140719396	0.394109498
ENSMUSG00000008730	Hipk1	0.123481121	0.140897277	0.394252102
ENSMUSG00000019302	Atp6v0a1	-0.149965443	0.140872867	0.394252102
ENSMUSG00000024019	Cmtr1	-0.150316057	0.140874256	0.394252102
ENSMUSG00000038774	Ascc3	0.141856597	0.140889071	0.394252102
ENSMUSG00000031256	Cstf2	0.133135099	0.1411066	0.394748893
ENSMUSG00000025139	Tollip	-0.142404906	0.141173598	0.394847392
ENSMUSG00000027593	Raly	-0.148151046	0.141255092	0.394986378
ENSMUSG00000004462	Tbccd1	-0.15016554	0.14156859	0.395498543
ENSMUSG00000020605	Hs1bp3	-0.139006185	0.141623984	0.395498543
ENSMUSG00000049047	Armxc3	-0.132070018	0.14159535	0.395498543
ENSMUSG00000081157	Gm13552	0.146745536	0.141524405	0.395498543
ENSMUSG00000083649	Rasl2-9	0.073092829	0.141501202	0.395498543
ENSMUSG00000109147	4930431P19Rik	-0.089276725	0.141629299	0.395498543
ENSMUSG00000062742	Gm5239	0.086006209	0.141704907	0.395620736
ENSMUSG00000032413	Rasa2	0.149785424	0.141817208	0.395756357
ENSMUSG00000063646	Jakmip1	-0.114125298	0.141815705	0.395756357
ENSMUSG00000024197	Plin3	0.154860422	0.141926082	0.395971219
ENSMUSG00000001918	Slc1a5	-0.145889132	0.142107136	0.396249837
ENSMUSG00000005198	Polr2a	0.12896206	0.142142947	0.396249837
ENSMUSG00000010054	Tusc2	-0.128877612	0.142175441	0.396249837
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ENSMUSG00000008763	Man1a2	0.149609822	0.142259046	0.396365996
ENSMUSG00000022702	Hira	-0.147605403	0.14233348	0.396400897
ENSMUSG00000068686	Cd59b	0.053749115	0.1423354	0.396400897
ENSMUSG00000079508	Apoo	0.145324613	0.142502802	0.396778146
ENSMUSG00000109793	Gm10043	0.095727188	0.142593403	0.39694143
ENSMUSG00000022175	Lrp10	-0.139796192	0.142769894	0.397228622
ENSMUSG00000031683	Lsm6	0.133190774	0.142792513	0.397228622
ENSMUSG00000035354	Uvrag	-0.134484593	0.142767734	0.397228622
ENSMUSG00000010025	Aldh3a2	-0.149615756	0.142843146	0.397280502
ENSMUSG00000001700	Gramd3	0.150105725	0.143120988	0.397964136
ENSMUSG00000006412	Pfdn2	0.129705487	0.143179634	0.398038101
ENSMUSG00000095253	Zfp799	0.087435362	0.143247847	0.398138622
ENSMUSG00000008892	Vdac3	0.126392163	0.143365185	0.398318728
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ENSMUSG00000054428	Atpif1	0.140100437	0.143379916	0.398318728
ENSMUSG00000000486	Sept1	-0.142235799	0.143495466	0.398470195
ENSMUSG00000050855	Zfp940	-0.14597393	0.143527755	0.398470775
ENSMUSG00000032050	Rdx	0.145287409	0.143812012	0.398828171
ENSMUSG00000032400	Zwilch	0.145228296	0.143817034	0.398828171
ENSMUSG00000032596	Uba7	-0.149009052	0.143780121	0.398828171
ENSMUSG00000039164	Naif1	-0.148352852	0.143775064	0.398828171
ENSMUSG00000114581	Gm8277	0.073201987	0.143815075	0.398828171
ENSMUSG00000018412	Kansl1	-0.148472462	0.143891576	0.398945818
ENSMUSG00000091423	Gm17509	-0.086797895	0.143985138	0.399116133
ENSMUSG00000040174	Alkbh3	0.142063224	0.144119588	0.399399687
ENSMUSG00000009535	Rnmt	0.136978725	0.144385999	0.399659057
ENSMUSG00000010045	Tmem115	-0.139530952	0.144406235	0.399659057
ENSMUSG00000034893	Cog3	-0.148706876	0.144298743	0.399659057
ENSMUSG00000051984	Sec31b	-0.057958559	0.144378957	0.399659057
ENSMUSG00000078517	Emc1	-0.138410564	0.144326964	0.399659057
ENSMUSG00000087303	Lipo2	-0.142346086	0.144394428	0.399659057
ENSMUSG00000034377	Tulp4	0.134826001	0.144475966	0.399714663
ENSMUSG00000114836	Gm18517	0.147456844	0.144490688	0.399714663
ENSMUSG00000007589	Tinf2	-0.135946781	0.144993179	0.400926153
ENSMUSG00000035614	Togaram1	-0.136824217	0.144963032	0.400926153
ENSMUSG00000032712	Resf1	-0.146510503	0.145036347	0.400956258
ENSMUSG00000017421	Zfp207	-0.145701619	0.145212882	0.401265674
ENSMUSG00000038717	Atp5l	0.122536477	0.145191896	0.401265674
ENSMUSG00000036402	Gng12	0.136847715	0.145473414	0.40189619
ENSMUSG00000017999	Ddx27	0.131494633	0.145653927	0.402037206
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ENSMUSG00000028165	Cisd2	0.137119205	0.145607858	0.402037206
ENSMUSG00000040811	Eml2	-0.080183919	0.145583043	0.402037206
ENSMUSG00000014498	Ankrd52	-0.114676535	0.145732421	0.402105552
ENSMUSG00000021772	Nkiras1	-0.144995758	0.145775807	0.402105552
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ENSMUSG00000032307	Ube2q2	-0.128172801	0.145984799	0.402486955
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ENSMUSG00000031712	Ii15	-0.135656814	0.146136474	0.402653316
ENSMUSG00000020923	Ubtf	0.13080685	0.146371995	0.403212806
ENSMUSG00000018661	Cog1	-0.146735839	0.146471803	0.403233735
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ENSMUSG00000020629	Adi1	0.146502564	0.146550768	0.403258105
ENSMUSG00000052707	Tnrc6a	0.141412858	0.146530326	0.403258105

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ENSMUSG00000021000	Mia2	-0.141713444	0.146831125	0.403314774
ENSMUSG00000061544	Zfp229	-0.118289021	0.146899039	0.403412107
ENSMUSG00000030823	9130019O22Rik	-0.121813264	0.14703863	0.403440331
ENSMUSG00000037204	Atg101	0.141891109	0.146958076	0.403440331
ENSMUSG00000040721	Zfhx2	-0.081132143	0.147039238	0.403440331
ENSMUSG00000058932	Gm2174	0.139354333	0.147039191	0.403440331
ENSMUSG00000093445	Lrch4	-0.143412308	0.147126778	0.403591368
ENSMUSG00000026155	Smap1	0.122263618	0.147195523	0.403690791
ENSMUSG00000002395	Use1	0.12102645	0.147568997	0.403976955
ENSMUSG00000013833	Med16	-0.139353821	0.147547473	0.403976955
ENSMUSG00000015127	Unkl	-0.06635937	0.147419073	0.403976955
ENSMUSG00000024194	Cuta	0.102883376	0.147508831	0.403976955
ENSMUSG00000029186	Pi4k2b	0.130963861	0.147518274	0.403976955
ENSMUSG00000039699	Batf2	-0.09016367	0.147564883	0.403976955
ENSMUSG00000078851	Hist3h2a	-0.146126292	0.147592579	0.403976955
ENSMUSG00000102478	BC085271	0.061047424	0.147500321	0.403976955
ENSMUSG00000117183	AC098880.2	-0.135430238	0.147377983	0.403976955
ENSMUSG00000034667	Xpot	0.147333751	0.147702525	0.404188822
ENSMUSG00000030224	Strap	0.132833124	0.14773597	0.404191297
ENSMUSG00000040139	9430038I01Rik	0.14209018	0.147805274	0.404291854
ENSMUSG00000017781	Pitpna	-0.135043572	0.14797624	0.404492271
ENSMUSG00000020647	Ncoa1	-0.103798485	0.14795412	0.404492271
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ENSMUSG00000031577	Tti2	-0.145339354	0.148071643	0.404663999
ENSMUSG00000005378	Bud23	0.12042551	0.148216156	0.404781214
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ENSMUSG00000042688	Mapk6	-0.136964548	0.148639932	0.405503316
ENSMUSG00000096794	Olfr905	-0.110495394	0.148628718	0.405503316
ENSMUSG00000057551	Zfp317	-0.145978901	0.148691862	0.405555912
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ENSMUSG00000043262	Uevld	-0.115143813	0.149371594	0.406517215
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ENSMUSG00000014077	Chp1	0.145227545	0.151845964	0.410205687
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ENSMUSG00000041180	Hectd2	0.055826387	0.153010557	0.412265537
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ENSMUSG00000030256	Bhlhe41	-0.143825158	0.154127532	0.414017751
ENSMUSG00000038497	Tmco3	-0.141990714	0.154276844	0.414329228
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ENSMUSG00000051149	Adnp	-0.075219867	0.154850972	0.41495143
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ENSMUSG00000006276	Eps15l1	-0.142519846	0.155456721	0.415879374

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ENSMUSG00000066278	Vps37b	-0.142826453	0.155620786	0.415959927
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ENSMUSG00000031785	Adgrg1	-0.066402924	0.156343224	0.41708316
ENSMUSG00000068323	Slc4a5	-0.074142005	0.156312768	0.41708316
ENSMUSG00000041945	Mfsd9	-0.111359039	0.156448795	0.417275173
ENSMUSG00000018287	Spag7	0.118442683	0.156666028	0.417286684
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ENSMUSG00000033697	Arhgap39	-0.143095859	0.156582465	0.417286684
ENSMUSG00000044434	Gm9791	0.122635673	0.15654225	0.417286684
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ENSMUSG00000081559	Gm12411	0.092567055	0.156555872	0.417286684
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ENSMUSG00000054302	Eapp	0.122360621	0.156735216	0.417322212
ENSMUSG00000049672	Zbtb14	-0.143057233	0.156811088	0.417434745
ENSMUSG00000008932	Slc1a7	-0.070487513	0.156932226	0.417462276
ENSMUSG00000022686	B3gnt5	0.135481597	0.156896918	0.417462276
ENSMUSG00000028683	Eif2b3	0.136442764	0.156955867	0.417462276
ENSMUSG00000039768	Dnajc11	0.120917629	0.156940198	0.417462276
ENSMUSG00000031504	Rab20	0.142730203	0.157098981	0.417664051
ENSMUSG00000073988	Ttpa	0.14271306	0.157081026	0.417664051
ENSMUSG00000014856	Tmem208	0.115156999	0.157204363	0.41785478
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ENSMUSG00000024944	Arl2	0.107538231	0.157386023	0.418017272
ENSMUSG00000035861	Tmprss11b	-0.120289094	0.157353229	0.418017272
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ENSMUSG00000062611	Rps3a2	0.022898331	0.15805008	0.419295182
ENSMUSG00000022415	Syng1	0.142787815	0.158123192	0.419399566
ENSMUSG00000062203	Gspt1	0.124885571	0.158191366	0.419401271
ENSMUSG00000116306	AC113292.1	-0.073473952	0.158163378	0.419401271
ENSMUSG00000078502	Gm13212	-0.135805263	0.158337979	0.419700392

ENSMUSG00000024245	Tmem178	-0.134960043	0.158401194	0.419778373
ENSMUSG00000032202	Rab27a	-0.137591703	0.15846123	0.419847897
ENSMUSG00000032350	Gclc	-0.139325936	0.158604618	0.420134142
ENSMUSG00000106574	Gm2451	0.092081701	0.158636915	0.420134142
ENSMUSG00000043421	Hilpda	0.140491179	0.158706791	0.4202296
ENSMUSG00000071713	Csf2rb	-0.140685416	0.15882895	0.420463423
ENSMUSG00000026433	Rab29	-0.11669321	0.158888582	0.420531659
ENSMUSG00000005983	1700037C18Rik	0.133119136	0.158984583	0.420606499
ENSMUSG00000059975	Zfp74	-0.119924549	0.158972013	0.420606499
ENSMUSG00000032383	Ppib	0.129726291	0.159055997	0.420705822
ENSMUSG00000031328	Flna	0.13468507	0.159107131	0.420751475
ENSMUSG00000027770	Dhx36	0.126430007	0.159186664	0.42087219
ENSMUSG00000041353	Tmem29	0.139296225	0.159249993	0.420950023
ENSMUSG00000025477	Inpp5a	-0.0999461	0.15930276	0.420999911
ENSMUSG00000051255	Gm6563	0.041125942	0.159348691	0.421031716
ENSMUSG00000020526	Znhit3	0.133228382	0.15960985	0.421588323
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ENSMUSG00000059195	Gm12715	0.044343619	0.159661176	0.421588323
ENSMUSG00000022353	Mtss1	0.10748027	0.159771665	0.421790404
ENSMUSG00000083567	Gm11451	0.119667683	0.159951114	0.422174412
ENSMUSG00000029915	Clec5a	0.130654293	0.160062221	0.422310353
ENSMUSG00000034617	Mtrr	-0.140659567	0.160070618	0.422310353
ENSMUSG00000001687	Ubl3	-0.138606194	0.16019654	0.422373429
ENSMUSG00000027404	Snrpb	0.103664139	0.160182599	0.422373429
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ENSMUSG00000015112	Slc25a13	0.119646018	0.160366321	0.422430786
ENSMUSG00000020745	Pafah1b1	-0.141412278	0.160345398	0.422430786
ENSMUSG00000027115	Kif18a	-0.141072588	0.160350886	0.422430786
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ENSMUSG00000039126	Prune2	0.056594911	0.16042235	0.422430786
ENSMUSG00000056144	Trim34a	-0.124875273	0.160395953	0.422430786
ENSMUSG00000074026	Gm6091	0.136701827	0.160488126	0.422514417
ENSMUSG00000014301	Pam16	0.140124527	0.160782858	0.422664064
ENSMUSG00000021709	Erbin	0.136343579	0.160662813	0.422664064
ENSMUSG00000026484	Rnf2	-0.125170359	0.160660671	0.422664064
ENSMUSG00000029655	N4bp2l2	0.132425716	0.160695525	0.422664064
ENSMUSG00000031715	Smarca5	0.112001116	0.160799712	0.422664064
ENSMUSG00000038943	Prc1	-0.117478663	0.160763332	0.422664064
ENSMUSG00000050605	Zfp61	-0.140338659	0.160817194	0.422664064
ENSMUSG00000075528	Aarsd1	0.137750819	0.160723638	0.422664064
ENSMUSG00000025024	Smndc1	0.141588153	0.160872839	0.422720867
ENSMUSG00000037697	Ddhd1	-0.125502712	0.160936128	0.422797724
ENSMUSG00000029580	Actb	0.068411475	0.161051092	0.422995013

ENSMUSG00000041912	Tdrkh	-0.13921059	0.161079334	0.422995013
ENSMUSG00000032741	Tpcn1	-0.141502538	0.161211682	0.423253075
ENSMUSG00000031885	Cbfb	-0.137129109	0.161323585	0.423457366
ENSMUSG00000027599	Armc1	0.122280477	0.161379747	0.423515283
ENSMUSG00000074890	Lcmt2	-0.129638891	0.161460007	0.423636406
ENSMUSG00000002326	Gmpr2	0.116502262	0.161570489	0.423836757
ENSMUSG00000024989	Cep55	-0.114440516	0.161676202	0.423935003
ENSMUSG00000054000	Tusc1	-0.101007979	0.161664455	0.423935003
ENSMUSG00000032577	Mapkapk3	-0.128610771	0.161826143	0.424059603
ENSMUSG00000048865	Arhgap30	-0.129577554	0.161758769	0.424059603
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ENSMUSG00000031783	Polr2c	0.12628195	0.162057456	0.424397147
ENSMUSG00000029735	Tpk1	-0.082504007	0.162128466	0.424493607
ENSMUSG00000024878	Cbwd1	0.136716344	0.162290158	0.424827409
ENSMUSG00000026656	Fcgr2b	-0.106946835	0.162382099	0.42497852
ENSMUSG00000031485	Plpbp	-0.132108105	0.162483269	0.425153715
ENSMUSG00000057130	Txnl4a	0.138829579	0.162562184	0.425181067
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ENSMUSG00000020534	Shmt1	0.117833404	0.162655152	0.425334662
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ENSMUSG00000061232	H2-K1	-0.128148162	0.162812568	0.425477574
ENSMUSG00000019992	Mtfr2	-0.131788687	0.162933627	0.425624081
ENSMUSG00000027018	Hat1	0.118619717	0.162937163	0.425624081
ENSMUSG00000031913	Vps4a	-0.131132231	0.163197938	0.42594696
ENSMUSG00000074203	G430095P16Rik	-0.133710516	0.163182646	0.42594696
ENSMUSG00000078087	Rps12l1	0.14160633	0.163197823	0.42594696
ENSMUSG00000079477	Rab7	-0.138970445	0.163178399	0.42594696
ENSMUSG00000024885	Aldh3b1	-0.137637369	0.163352811	0.426082584
ENSMUSG00000052912	Smarca5-ps	-0.048870284	0.163334647	0.426082584
ENSMUSG00000071398	2410004P03Rik	-0.114670495	0.16329855	0.426082584
ENSMUSG00000056211	R3hdm1	0.134046621	0.16351024	0.426403672
ENSMUSG00000020420	Zfp607a	-0.13910824	0.163597378	0.426440213
ENSMUSG00000026393	Nek7	-0.125078546	0.163627249	0.426440213
ENSMUSG00000031555	Adam9	0.140858092	0.163621819	0.426440213
ENSMUSG00000029474	Rnf34	-0.138332382	0.163707065	0.426558728
ENSMUSG00000035295	Wdr38	-0.102644444	0.163781505	0.426663186
ENSMUSG00000021238	Aldh6a1	-0.135358937	0.163899989	0.426792822
ENSMUSG00000025795	Rassf3	-0.133839921	0.163886098	0.426792822
ENSMUSG00000004127	Trmt10a	0.140290386	0.164029933	0.426820112
ENSMUSG00000026575	Nme7	0.132031019	0.164082283	0.426820112

ENSMUSG00000031347	Cetn2	0.123318828	0.164057401	0.426820112
ENSMUSG00000035086	Becn1	-0.135150629	0.163999185	0.426820112
ENSMUSG00000037674	Rfx7	0.137504259	0.164021723	0.426820112
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ENSMUSG00000022136	Dnajc3	0.135882539	0.164206669	0.42686789
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ENSMUSG00000079293	Clec7a	-0.13475237	0.164212662	0.42686789
ENSMUSG00000022197	Pdzd2	-0.090924485	0.164499067	0.427456677
ENSMUSG00000020692	Nle1	-0.118212321	0.164631342	0.427710917
ENSMUSG00000046062	Ppp1r15b	0.104992405	0.164756936	0.427947699
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ENSMUSG00000039621	Prex1	-0.131357562	0.165058306	0.428551258
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ENSMUSG00000029599	Ddx54	-0.126622937	0.165329742	0.428897395
ENSMUSG00000023915	Tnfrsf21	-0.13802163	0.165566827	0.429422751
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ENSMUSG00000025887	Casp12	0.064939884	0.165674847	0.429553585
ENSMUSG00000046574	Prr12	0.117106828	0.165740961	0.429553585
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ENSMUSG00000026020	Nop58	0.126884801	0.165878778	0.429693493
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ENSMUSG00000047731	Wbp1l	-0.138653516	0.16607915	0.429943542
ENSMUSG00000079317	Trappc2	0.124378556	0.16605554	0.429943542
ENSMUSG00000026641	Usf1	-0.137285711	0.166192871	0.429969102
ENSMUSG00000031789	Cngb1	0.133478628	0.166148413	0.429969102
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ENSMUSG00000029089	5730480H06Rik	0.12347659	0.166283833	0.430114845
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ENSMUSG00000016921	Srsf6	0.137997493	0.166688936	0.430466025
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ENSMUSG00000038975	Rabggtb	0.133260949	0.166921438	0.430777308
ENSMUSG00000024965	Fermt3	-0.116801995	0.167008647	0.430912839
ENSMUSG00000028104	Polr3gl	-0.132431481	0.167100369	0.430945794

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ENSMUSG00000060923	Acyp2	0.116061592	0.16709237	0.430945794
ENSMUSG00000015247	Nipsnap3b	0.1250064	0.167238297	0.431147134
ENSMUSG00000063550	Nup98	-0.12828151	0.167339126	0.431317551
ENSMUSG00000032295	Man2c1	-0.129477758	0.167651637	0.432033399
ENSMUSG00000032040	Dcps	0.110071777	0.167752899	0.432204679
ENSMUSG00000083100	Gm6044	0.082838121	0.167817792	0.432282205
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ENSMUSG00000049119	Fam110b	-0.064967656	0.168051479	0.43235377
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ENSMUSG00000006281	Tep1	0.134365783	0.168405524	0.432930144
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ENSMUSG00000031553	Adam3	0.085825526	0.168393488	0.432930144
ENSMUSG00000028779	Pef1	0.132062372	0.168657432	0.433456232
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ENSMUSG00000024293	Esco1	-0.119553808	0.168772686	0.433573016
ENSMUSG00000091697	Eif3s6-ps2	0.129670691	0.168879975	0.433758926
ENSMUSG00000020621	Rdh14	-0.120096309	0.169000104	0.433934234
ENSMUSG00000025816	Sec61a2	-0.13685668	0.169043576	0.433934234
ENSMUSG00000081945	Olfr607	0.068449467	0.169053036	0.433934234
ENSMUSG00000031171	Ftsj1	0.132663943	0.169277848	0.434331782
ENSMUSG00000116933	Atp5o	-0.136954752	0.169253288	0.434331782
ENSMUSG00000032560	Dnajc13	0.127937923	0.169388962	0.434527117
ENSMUSG00000026974	Zmynd19	0.136740927	0.169544626	0.434657132
ENSMUSG00000038650	Rnh1	-0.113634521	0.169514597	0.434657132
ENSMUSG00000089847	Timm10b	0.118866894	0.169496979	0.434657132
ENSMUSG00000060803	Gstp1	0.104138077	0.169617168	0.434753374
ENSMUSG00000020537	Drg2	0.106808966	0.169954942	0.435512601
ENSMUSG00000026941	Mamdc4	0.042191538	0.17004273	0.435512601
ENSMUSG00000027131	Emc4	0.125609355	0.170038219	0.435512601
ENSMUSG00000054455	Vapb	-0.118211495	0.170053628	0.435512601
ENSMUSG00000020707	Rnf135	-0.132551381	0.170281828	0.435885677
ENSMUSG00000024122	Pdpk1	-0.136686861	0.170339673	0.435885677
ENSMUSG00000053769	Lysmd1	-0.131601794	0.170330345	0.435885677
ENSMUSG00000063458	Lrmda	-0.132926222	0.170309274	0.435885677
ENSMUSG00000095742	CAA01147332.1	-0.136838723	0.170415298	0.435989375
ENSMUSG00000030861	Acadsb	0.12768147	0.170561848	0.43623751
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ENSMUSG00000032504	Pdcd6ip	-0.136521852	0.170624024	0.436253809

ENSMUSG0000002635	Pdcd2l	0.133501215	0.170744658	0.436382593
ENSMUSG00000023452	Pisd	-0.134631375	0.170722687	0.436382593
ENSMUSG00000062054	lah1	0.126073244	0.170871876	0.436617891
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ENSMUSG00000042228	Lyn	-0.124964896	0.170987869	0.436734593
ENSMUSG00000019777	Hdac2	0.09843969	0.171136097	0.436933497
ENSMUSG00000042759	Apobr	-0.078850582	0.171117587	0.436933497
ENSMUSG00000020190	Mknk2	-0.107511184	0.17124018	0.437109388
ENSMUSG00000040658	Dnph1	0.117496283	0.171414974	0.437301751
ENSMUSG00000045509	Gpr150	-0.111155411	0.171459283	0.437301751
ENSMUSG00000083365	Gm12895	-0.072114165	0.171485954	0.437301751
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ENSMUSG00000004096	Cwc15	0.117936016	0.171569999	0.437322175
ENSMUSG00000024258	Polr2d	0.130593964	0.171558359	0.437322175
ENSMUSG00000025271	Pfkfb1	0.116346439	0.171638553	0.437407155
ENSMUSG00000001095	Slc13a2	-0.110123726	0.171730954	0.437482713
ENSMUSG00000004931	Apba3	-0.122608608	0.171773866	0.437482713
ENSMUSG00000038079	Tmem237	-0.133478524	0.171763787	0.437482713
ENSMUSG00000022109	Med4	0.130389633	0.172029881	0.437686021
ENSMUSG00000024942	Capn1	-0.100794872	0.171928731	0.437686021
ENSMUSG00000029152	Ociad1	0.130015699	0.172010802	0.437686021
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ENSMUSG00000069805	Fbp1	0.132005853	0.17196313	0.437686021
ENSMUSG00000045031	Cetn4	0.07950784	0.172112906	0.43780758
ENSMUSG00000020495	Smg8	0.136253924	0.172155402	0.437826012
ENSMUSG00000045210	Vcpip1	-0.117044821	0.172241782	0.437956023
ENSMUSG00000028771	Ptpn12	0.103754089	0.172365804	0.438181671
ENSMUSG00000027011	Ube2e3	-0.136368492	0.172552876	0.438567479
ENSMUSG00000035027	Map2k2	0.130008312	0.172782517	0.439061302
ENSMUSG00000030268	Bcat1	0.070782779	0.172894168	0.439255156
ENSMUSG00000021098	4930447C04Rik	-0.062426909	0.173070664	0.439392255
ENSMUSG00000023021	Cers5	-0.124629486	0.17305025	0.439392255
ENSMUSG00000027177	Hipk3	0.132111982	0.173029875	0.439392255
ENSMUSG00000029101	Rgs12	-0.109622348	0.173195756	0.439392255
ENSMUSG00000032199	Polr2m	-0.130834393	0.173104284	0.439392255
ENSMUSG00000041341	Atg2b	0.124258773	0.173180345	0.439392255
ENSMUSG00000055612	Cdca7	0.123730976	0.173139102	0.439392255
ENSMUSG00000059796	Eif4a1	0.127967107	0.173339317	0.439666663
ENSMUSG00000005682	Pan2	-0.134337486	0.173478448	0.439791558
ENSMUSG00000026626	Ppp2r5a	-0.110103167	0.173499168	0.439791558
ENSMUSG00000027074	Slc43a3	-0.134624026	0.173565592	0.439791558
ENSMUSG00000032412	Atp1b3	0.129256374	0.173452119	0.439791558

ENSMUSG00000044149	Nkrf	0.086722998	0.173548248	0.439791558
ENSMUSG00000037936	Scarb1	-0.135153601	0.173624404	0.439803015
ENSMUSG00000053641	Dennd4a	0.096223732	0.17364093	0.439803015
ENSMUSG00000052763	Zfp212	-0.134276591	0.173679331	0.439810595
ENSMUSG00000050549	Fam241a	0.121571693	0.173771612	0.439954583
ENSMUSG00000034329	Brip1	-0.13542922	0.174055682	0.440583987
ENSMUSG00000029267	Mtf2	0.131876777	0.174167862	0.440693118
ENSMUSG00000046096	Mosmo	0.132390229	0.174169754	0.440693118
ENSMUSG00000022978	Mis18a	-0.12345712	0.1742174	0.440723895
ENSMUSG00000051735	Rinl	-0.116407105	0.174289949	0.440817645
ENSMUSG00000028430	Nol6	-0.11710916	0.174517835	0.441304159
ENSMUSG00000034278	Dnajc17	0.116451105	0.17459753	0.44141582
ENSMUSG00000029221	Slc30a9	0.134939236	0.17493086	0.441761944
ENSMUSG00000030538	Cib1	0.108716254	0.17494783	0.441761944
ENSMUSG00000031565	Fgfr1	0.125023587	0.17490445	0.441761944
ENSMUSG00000037287	Tbcel	-0.074720762	0.1748391	0.441761944
ENSMUSG00000044066	Cep68	-0.134650709	0.174783508	0.441761944
ENSMUSG00000050930	Map10	-0.098725161	0.174842111	0.441761944
ENSMUSG00000003873	Bax	0.113677056	0.175138594	0.442063904
ENSMUSG00000026274	Pask	-0.123203579	0.175106345	0.442063904
ENSMUSG00000063810	Alms1	-0.116072495	0.175175172	0.442066398
ENSMUSG00000006599	Gtf2h1	0.131741248	0.17540373	0.442283745
ENSMUSG00000020844	Nxn	0.130194075	0.175387609	0.442283745
ENSMUSG00000029686	Cul1	-0.118090805	0.175326274	0.442283745
ENSMUSG00000032966	Fkbp1a	0.110793259	0.175359525	0.442283745
ENSMUSG00000004364	Cul3	-0.133176227	0.175508688	0.442419852
ENSMUSG00000059552	Trp53	0.113624638	0.175528945	0.442419852
ENSMUSG00000022018	Rgcc	0.134410519	0.176056751	0.443390288
ENSMUSG00000033124	Atg9a	-0.117253028	0.176017737	0.443390288
ENSMUSG00000046351	Zfp322a	-0.129870049	0.17604678	0.443390288
ENSMUSG00000051285	Pcmdt1	-0.13666566	0.17597922	0.443390288
ENSMUSG00000027339	Rassf2	-0.133702552	0.176109002	0.443405402
ENSMUSG00000063972	Nr6a1	-0.118199999	0.176134148	0.443405402
ENSMUSG00000027712	Anxa5	-0.131532509	0.176400679	0.44380653
ENSMUSG00000037946	Fgd3	-0.133368572	0.176345019	0.44380653
ENSMUSG00000061273	Mmgt1	0.11045403	0.176378333	0.44380653
ENSMUSG00000031609	Sap30	0.131274782	0.176524805	0.44402888
ENSMUSG00000022536	Glyr1	-0.130451661	0.176584809	0.444089878
ENSMUSG00000009907	Vps4b	-0.128077554	0.176786946	0.444219502
ENSMUSG00000021518	Ptdss1	-0.114416172	0.176689313	0.444219502
ENSMUSG00000027195	Hsd17b12	0.132849214	0.176813055	0.444219502
ENSMUSG00000046808	Atp10d	-0.12927186	0.176815169	0.444219502
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ENSMUSG00000021556	Golm1	0.134919932	0.17696359	0.444259992
ENSMUSG00000030641	Ddias	-0.121571531	0.176924562	0.444259992
ENSMUSG00000031144	Syp	-0.076588788	0.176922013	0.444259992
ENSMUSG00000049878	Rlf	-0.134248461	0.176974353	0.444259992
ENSMUSG00000015597	Zfp318	-0.084562722	0.177109484	0.444419576
ENSMUSG00000058624	Gda	0.134431674	0.177085786	0.444419576
ENSMUSG00000025246	Tbl1x	0.127902888	0.177276774	0.444480179
ENSMUSG00000027635	Dsn1	-0.127449583	0.177172018	0.444480179
ENSMUSG00000028833	Ncdn	-0.128339129	0.177220975	0.444480179
ENSMUSG00000034320	Slc26a2	-0.117642884	0.177256131	0.444480179
ENSMUSG00000032251	Irak1bp1	0.132220078	0.177515506	0.444988921
ENSMUSG00000039109	F13a1	-0.13190426	0.177676065	0.445301533
ENSMUSG00000036104	Rab3gap1	0.130845306	0.177736797	0.445363879
ENSMUSG00000000056	Narf	-0.129588399	0.177945245	0.445484015
ENSMUSG00000020519	Sap30l	-0.117568937	0.177955023	0.445484015
ENSMUSG00000034429	Zfp707	-0.134205934	0.17787282	0.445484015
ENSMUSG00000037902	Sirpa	-0.111424482	0.177893413	0.445484015
ENSMUSG00000047459	Dynlrb1	0.116751442	0.177964068	0.445484015
ENSMUSG00000034462	Pkd2	-0.112518562	0.178045956	0.445599197
ENSMUSG00000035790	Cep19	0.134595865	0.178620934	0.446948151
ENSMUSG00000114470	Gm49395	-0.119860628	0.178854374	0.447442131
ENSMUSG00000036893	Ehmt1	-0.118912296	0.178921441	0.44747245
ENSMUSG00000049807	Arhgap23	0.111080001	0.178938544	0.44747245
ENSMUSG00000033906	Zdhhc15	-0.090103076	0.179218905	0.447993161
ENSMUSG00000057572	Zbtb8os	0.12590043	0.179197751	0.447993161
ENSMUSG00000033033	Calhm2	-0.127069701	0.179270868	0.448032887
ENSMUSG00000002221	Paxip1	-0.129488472	0.179480543	0.448182114
ENSMUSG00000022515	Anks3	-0.12751069	0.179510991	0.448182114
ENSMUSG00000031939	Taf1d	0.13057156	0.179399365	0.448182114
ENSMUSG00000110949	Nudt8	0.129361427	0.179422038	0.448182114
ENSMUSG00000116347	Gm49416	-0.127435779	0.179466733	0.448182114
ENSMUSG00000042363	Lgalsl	0.121494986	0.17956378	0.448223817
ENSMUSG00000109926	Gm45808	0.070231444	0.179657149	0.448366776
ENSMUSG00000053289	Ddx10	0.125304692	0.179776842	0.448575363
ENSMUSG00000034833	Tespa1	-0.124803812	0.179955315	0.448930502
ENSMUSG00000020238	Ncln	-0.127565955	0.180046125	0.449066852
ENSMUSG00000025764	Jade1	-0.108635218	0.180165985	0.449246475
ENSMUSG00000025862	Stag2	0.127556576	0.180190479	0.449246475
ENSMUSG00000050914	Ankrd37	0.07257834	0.18027397	0.449364434
ENSMUSG00000021108	Prkch	-0.108383265	0.180388497	0.449559696
ENSMUSG00000068240	Gm11808	0.111821556	0.180561275	0.44990002
ENSMUSG00000048310	Pskh1	-0.132066291	0.180819385	0.450452785
ENSMUSG00000020570	Sypl	0.111723344	0.181031473	0.450800306

ENSMUSG00000040795	Iqcc	-0.120276962	0.181010531	0.450800306
ENSMUSG00000028098	Rnf115	-0.130668427	0.181265755	0.451293234
ENSMUSG00000035297	Cops4	0.118518328	0.18132099	0.451340283
ENSMUSG00000043832	Clec4a3	-0.106070004	0.181362984	0.451354363
ENSMUSG00000027692	Tnik	-0.06279384	0.181410539	0.451382272
ENSMUSG00000020668	Kif3c	-0.100759139	0.18165748	0.451503159
ENSMUSG00000024056	Ndc80	-0.114363147	0.181561399	0.451503159
ENSMUSG00000025534	Gusb	0.11743962	0.181542772	0.451503159
ENSMUSG00000029673	Auts2	-0.04220652	0.181650936	0.451503159
ENSMUSG00000043811	Rtn4r	-0.094762302	0.181677223	0.451503159
ENSMUSG00000080875	Gm7332	0.128510241	0.181581127	0.451503159
ENSMUSG00000059920	4930453N24Rik	0.123731562	0.182024015	0.452192225
ENSMUSG00000067148	Polr1c	0.13103333	0.182027303	0.452192225
ENSMUSG00000032905	Atg12	0.131160267	0.182158837	0.452338048
ENSMUSG00000041362	Shtn1	0.060661166	0.182154872	0.452338048
ENSMUSG00000010095	Slc3a2	0.110511534	0.182432684	0.452384979
ENSMUSG00000020462	Cfap36	0.121327434	0.182351652	0.452384979
ENSMUSG00000037152	Ndufc1	0.133131719	0.182392174	0.452384979
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ENSMUSG00000060703	Cd302	0.12983259	0.182252959	0.452384979
ENSMUSG00000080928	Hmgb1-ps6	0.0688989	0.182423449	0.452384979
ENSMUSG00000100309	Gm6644	0.11554946	0.18239174	0.452384979
ENSMUSG00000026064	Ptp4a1	0.060966078	0.182514934	0.452407264
ENSMUSG00000028550	Atg4c	-0.103250168	0.182554114	0.452407264
ENSMUSG00000032883	Acsl3	0.119610112	0.182587361	0.452407264
ENSMUSG00000039983	Ccdc32	0.121076133	0.182490475	0.452407264
ENSMUSG00000022636	Alcam	0.092355785	0.182657788	0.4524915
ENSMUSG00000007050	Lsm2	0.114166699	0.182743038	0.452524883
ENSMUSG00000068964	Gm6361	0.125669944	0.182744128	0.452524883
ENSMUSG00000001924	Uba1	0.123821625	0.183024246	0.452999958
ENSMUSG00000003316	Glg1	-0.11567202	0.183081861	0.452999958
ENSMUSG00000026116	Tmem131	0.097225219	0.183071346	0.452999958
ENSMUSG00000026463	Atp2b4	-0.096584116	0.183061417	0.452999958
ENSMUSG00000038127	Ccdc50	-0.122931569	0.183148859	0.453075478
ENSMUSG00000040651	Fam208a	-0.130276341	0.183213455	0.453145028
ENSMUSG00000020069	Hnrnph3	-0.111803909	0.183317763	0.453312749
ENSMUSG00000003644	Rps6ka1	-0.122160601	0.183426441	0.453449149
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ENSMUSG00000094090	Gm8494	0.128897423	0.183520813	0.453543976
ENSMUSG00000078317	F8a	-0.128793558	0.183599661	0.453648576
ENSMUSG00000032252	Glce	-0.079302345	0.18374893	0.453927101
ENSMUSG00000027706	Sec62	0.118316835	0.184036971	0.454098151
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ENSMUSG00000045817	Zfp36l2	-0.123202398	0.18418376	0.454098151
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ENSMUSG00000073016	Uprt	-0.104576755	0.183979851	0.454098151
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ENSMUSG00000019883	Echdc1	0.130502171	0.184367909	0.454371785
ENSMUSG00000033450	Tagap	-0.12840889	0.184441203	0.454372111
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ENSMUSG00000032121	Tmem218	0.126454342	0.184504138	0.454437022
ENSMUSG00000027291	Vps39	-0.107850695	0.184630749	0.454601642
ENSMUSG00000034723	Tmx4	0.12357436	0.184644174	0.454601642
ENSMUSG00000022295	Atp6v1c1	0.12311207	0.184851753	0.454762654
ENSMUSG00000024524	Gnal	-0.125034611	0.184797603	0.454762654
ENSMUSG00000041840	Haus1	0.131466435	0.184856021	0.454762654
ENSMUSG00000071337	Tia1	0.125876466	0.18482146	0.454762654
ENSMUSG00000025037	Maoa	0.122849806	0.185016838	0.455068147
ENSMUSG00000007476	Lrrc8a	-0.111561652	0.185258017	0.455376729
ENSMUSG00000017764	Zswim1	-0.118043716	0.185248728	0.455376729
ENSMUSG00000022221	Ripk3	-0.102722334	0.185189252	0.455376729
ENSMUSG00000091367	Gm17711	0.116824123	0.185288945	0.455376729
ENSMUSG00000000804	Usp32	-0.068815272	0.185551234	0.455412506
ENSMUSG00000001014	Icam4	-0.128253257	0.185341322	0.455412506
ENSMUSG00000017747	Ghdc	-0.096813592	0.185501119	0.455412506
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ENSMUSG00000117438	AC122453.1	0.068801678	0.185566902	0.455412506
ENSMUSG00000025728	Pigq	-0.110003843	0.185666608	0.455493765
ENSMUSG00000018417	Myo1b	0.097146183	0.185783922	0.455691567
ENSMUSG00000034022	Cpsf1	-0.129115278	0.185933398	0.455858609
ENSMUSG00000048076	Arf1	0.134862107	0.185946603	0.455858609
ENSMUSG00000111027	Gm2981	0.11965168	0.185962126	0.455858609
ENSMUSG00000024556	Me2	-0.128722436	0.186001958	0.455866284
ENSMUSG00000026856	Dolpp1	-0.1289618	0.186047213	0.455887243
ENSMUSG00000031617	Tmem184c	-0.130072032	0.186222394	0.456226501
ENSMUSG00000020715	Ern1	-0.123412775	0.186436066	0.456569869
ENSMUSG00000050043	Tmx2	-0.12930978	0.186427141	0.456569869
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ENSMUSG00000030741	Spns1	-0.125236984	0.186749567	0.457157346
ENSMUSG00000089764	Gm16580	0.058157516	0.186799271	0.457188914
ENSMUSG00000038696	Mapkap1	-0.111729313	0.186902044	0.457350333
ENSMUSG00000036748	Cuedc2	0.113313918	0.186952982	0.457384871
ENSMUSG00000027255	Arfgap2	-0.118729116	0.187008303	0.457430117
ENSMUSG00000026003	Acadl	0.130517378	0.187169151	0.457733417
ENSMUSG00000021306	Gpr137b	-0.038355419	0.187296572	0.457774641
ENSMUSG00000029638	Glcci1	-0.074735717	0.187295192	0.457774641
ENSMUSG00000038976	Ppp1r9b	-0.130153883	0.187237658	0.457774641
ENSMUSG00000029627	Zkscan14	-0.127873142	0.187526977	0.457793989
ENSMUSG00000030105	Arl8b	0.112287221	0.187385685	0.457793989
ENSMUSG00000031671	Setd6	0.116128277	0.187443847	0.457793989
ENSMUSG00000031751	Amfr	-0.127847617	0.187370219	0.457793989
ENSMUSG00000037443	Cep85	-0.123335387	0.187489442	0.457793989
ENSMUSG00000044285	Gm1821	-0.127455056	0.187562484	0.457793989
ENSMUSG00000063281	Zfp35	0.119828618	0.187526342	0.457793989
ENSMUSG00000008318	Relt	-0.113413587	0.18765912	0.45780992
ENSMUSG00000030264	Thumpd3	-0.127180563	0.187618818	0.45780992
ENSMUSG00000081952	Gm12178	0.039752348	0.187679584	0.45780992
ENSMUSG00000020048	Hsp90b1	0.130428523	0.187922448	0.457952664
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ENSMUSG00000029062	Cdk11b	0.131243482	0.18810215	0.458300668
ENSMUSG00000026646	Suv39h2	0.130509952	0.188145321	0.45831595
ENSMUSG00000026960	Arl6ip6	0.125867173	0.188271589	0.458443719
ENSMUSG00000060771	Tsga10	-0.118560764	0.18826807	0.458443719
ENSMUSG00000025277	Abhd6	-0.11145658	0.188444055	0.458773738
ENSMUSG00000046230	Vps13a	0.120952584	0.188633283	0.459144426
ENSMUSG00000001288	Rarg	-0.05578308	0.18904947	0.459344589
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ENSMUSG00000044712	Slc38a6	0.126802156	0.189136006	0.459344589
ENSMUSG00000047749	Zc3hav1l	0.118950054	0.188851091	0.459344589
ENSMUSG00000059474	Mbtd1	-0.129574877	0.189168104	0.459344589
ENSMUSG00000067344	Rps25-ps1	0.103290377	0.189196274	0.459344589
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ENSMUSG00000001520	Nrip2	-0.078218539	0.18944931	0.459655416
ENSMUSG00000022014	Epsti1	-0.123393512	0.18950933	0.459655416
ENSMUSG00000022236	Ropn1l	0.125071838	0.189446319	0.459655416
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ENSMUSG00000066687	Zbtb16	-0.075429783	0.189554875	0.459676123
ENSMUSG00000001729	Akt1	-0.128082581	0.190192935	0.460235037
ENSMUSG00000028992	Nmnat1	-0.116239121	0.190181764	0.460235037
ENSMUSG00000030036	Mogs	-0.128480618	0.189956938	0.460235037
ENSMUSG00000032609	Klhdc8b	-0.11763254	0.190148284	0.460235037
ENSMUSG00000033105	Lss	-0.128012397	0.190061728	0.460235037
ENSMUSG00000038068	Rnf144b	-0.124105758	0.190139093	0.460235037
ENSMUSG00000047242	Taf9b	0.120999566	0.1898707	0.460235037
ENSMUSG00000055900	Tmem69	-0.122203805	0.190067327	0.460235037
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ENSMUSG00000106133	Gm3724	0.128071736	0.18990615	0.460235037
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ENSMUSG00000027107	Chrna1	-0.128848006	0.190451337	0.460768662
ENSMUSG00000099488	Gm19774	0.125144961	0.190487648	0.460768662
ENSMUSG00000003731	Kpna6	0.103858344	0.190613493	0.460983293
ENSMUSG00000058388	Phtf1	-0.119995575	0.190672025	0.461035084
ENSMUSG00000021938	Pspc1	0.123406246	0.190709601	0.461036191
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ENSMUSG00000024007	Ppil1	0.114032913	0.191067196	0.461044824
ENSMUSG00000029463	Fam216a	0.118195097	0.191013155	0.461044824
ENSMUSG00000033174	Mgll	-0.062143326	0.191032234	0.461044824
ENSMUSG00000038855	Itpkb	0.099536711	0.190942088	0.461044824
ENSMUSG00000045193	Cirbp	0.105251448	0.191084559	0.461044824
ENSMUSG00000073412	Lst1	-0.12851672	0.191110081	0.461044824
ENSMUSG00000082045	Gm11585	0.02324995	0.191120083	0.461044824
ENSMUSG00000020463	Ppp4r3b	-0.126698532	0.191398968	0.461534961
ENSMUSG00000034116	Vav1	-0.117444321	0.1914406	0.461545747
ENSMUSG00000048490	Nrip1	-0.125862587	0.191515867	0.461637606
ENSMUSG00000024614	Tmx3	0.129045571	0.191817548	0.46227508
ENSMUSG00000020787	P2rx1	-0.108644418	0.19193355	0.462419816
ENSMUSG00000021537	Cetn3	0.1204821	0.191966928	0.462419816
ENSMUSG00000050107	Haspin	-0.103457511	0.191989292	0.462419816
ENSMUSG00000032185	Carm1	-0.122960164	0.192057211	0.462493721
ENSMUSG00000021823	Vcl	0.088828825	0.192121604	0.462541908

ENSMUSG00000043633	Fam221b	-0.128138538	0.192151698	0.462541908
ENSMUSG00000002661	Alkbh7	0.116653309	0.192379071	0.462999503
ENSMUSG000000031706	Rfx1	-0.124070683	0.192494364	0.463187232
ENSMUSG000000022314	Rad21	0.127755163	0.192555996	0.463245793
ENSMUSG000000036241	Ube2r2	-0.116507762	0.192679955	0.463277351
ENSMUSG000000069208	Zfp825	-0.125890293	0.192651713	0.463277351
ENSMUSG000000085793	Lin52	-0.127958012	0.192681008	0.463277351
ENSMUSG00000114179	Eif1-ps2	0.086733868	0.19276557	0.46339097
ENSMUSG000000026321	Tnfrsf11a	0.078072015	0.192863714	0.463537188
ENSMUSG000000028649	Macf1	0.12015163	0.193061695	0.463923256
ENSMUSG000000041079	Rwdd2b	0.127845674	0.193174573	0.464104713
ENSMUSG000000042410	Agps	0.127754843	0.193414682	0.464591717
ENSMUSG000000032624	Eml4	-0.116793143	0.193567614	0.464869167
ENSMUSG000000004895	Prcc	-0.126752345	0.193620206	0.464905582
ENSMUSG000000029672	Fam3c	0.122983278	0.19387837	0.465345553
ENSMUSG000000037608	Bclaf1	0.122903767	0.193843519	0.465345553
ENSMUSG000000037351	Actr1b	-0.127433875	0.194029639	0.465618652
ENSMUSG000000024528	Srfbp1	0.11757086	0.194144244	0.465713721
ENSMUSG00000106562	Gm5981	0.070388853	0.19412835	0.465713721
ENSMUSG000000055923	Aasdh	0.128092677	0.194320097	0.466045553
ENSMUSG000000029438	Bcl7a	-0.127632977	0.19446743	0.466308869
ENSMUSG000000074476	Spc24	0.110169767	0.194611206	0.466563558
ENSMUSG000000005687	Bcas2	0.118180534	0.194700735	0.466598076
ENSMUSG000000015702	Anxa9	0.128261242	0.19467649	0.466598076
ENSMUSG000000005410	Mcm5	-0.116357268	0.194838797	0.466748834
ENSMUSG000000020091	Eif4ebp2	-0.123997258	0.194831705	0.466748834
ENSMUSG000000078762	Haus5	-0.113865076	0.194930018	0.466877315
ENSMUSG000000022772	Senp5	0.122929238	0.194994493	0.466941701
ENSMUSG000000022995	Enah	-0.120185979	0.195107062	0.467121206
ENSMUSG000000041278	Ttc1	0.119550559	0.195252606	0.467379576
ENSMUSG000000026112	Coa5	0.124778114	0.195399299	0.467380072
ENSMUSG000000028657	Ppt1	-0.099474468	0.195452816	0.467380072
ENSMUSG000000031200	Mtcp1	-0.113404155	0.195469579	0.467380072
ENSMUSG000000047220	Ccdc36	-0.057046082	0.195414197	0.467380072
ENSMUSG000000047654	Tssk6	-0.113484512	0.195478583	0.467380072
ENSMUSG000000081434	Gm14165	0.07301025	0.19535678	0.467380072
ENSMUSG000000025369	Smarcc2	-0.113701101	0.195587678	0.467481117
ENSMUSG000000036636	Clcn7	-0.119414471	0.195596117	0.467481117
ENSMUSG000000036932	Aifm1	0.116757479	0.195861424	0.468025154
ENSMUSG000000056919	Cep162	-0.126023179	0.196131446	0.468580243
ENSMUSG000000024812	Tjp2	-0.087428423	0.19635604	0.46902661
ENSMUSG000000006418	Rnf114	-0.106157793	0.19657678	0.4694636
ENSMUSG000000027236	Eif3j1	0.056810523	0.196638281	0.469520201

ENSMUSG00000113262	Gm48551	0.058153107	0.196677287	0.469523079
ENSMUSG00000047945	Marcks1	0.116972218	0.196831172	0.46980015
ENSMUSG00000020319	Wdpcp	-0.120103407	0.197013122	0.470053783
ENSMUSG00000034781	Gna11	-0.122353929	0.196977929	0.470053783
ENSMUSG00000020230	Prmt2	-0.101448045	0.197202346	0.47041489
ENSMUSG00000021748	Pdhb	0.113351138	0.197272728	0.470492425
ENSMUSG00000042444	Mindy2	-0.107846707	0.197336761	0.470554791
ENSMUSG00000028630	Dyrk2	0.07943289	0.197411525	0.470642717
ENSMUSG00000057858	Fam204a	0.126532559	0.197472251	0.470697147
ENSMUSG00000040675	Mthfd1l	0.11048098	0.197514984	0.470708675
ENSMUSG00000048832	Vps37c	-0.125622032	0.197581179	0.470776104
ENSMUSG00000034235	Usp54	0.080262691	0.197626522	0.470793829
ENSMUSG00000004319	Clcn3	0.114866521	0.197696398	0.470869983
ENSMUSG00000020864	Ankrd40	-0.125949085	0.197792067	0.470917245
ENSMUSG00000049323	Smcr8	0.102535993	0.197764462	0.470917245
ENSMUSG00000006442	Srm	0.111171578	0.197948656	0.471199743
ENSMUSG00000031813	Mvb12a	0.111420574	0.198049103	0.471348516
ENSMUSG00000026589	Sec16b	-0.093566389	0.198291656	0.471745002
ENSMUSG00000036845	Lin37	-0.12742992	0.198277936	0.471745002
ENSMUSG00000027078	Ube2l6	-0.102262245	0.1983739	0.47185029
ENSMUSG00000031584	Gsr	0.108144274	0.198491901	0.471859886
ENSMUSG00000031979	Cog2	-0.126016906	0.198440706	0.471859886
ENSMUSG00000037636	Slc25a43	-0.123614692	0.198475203	0.471859886
ENSMUSG00000026103	Gls	0.126411621	0.198541787	0.471888163
ENSMUSG00000022550	Adck5	-0.124490984	0.198660497	0.472079977
ENSMUSG00000098232	Gm3671	0.048001405	0.198742233	0.472183871
ENSMUSG00000038002	Cramp1l	-0.114178363	0.199055785	0.472838384
ENSMUSG00000014905	Dnajb9	-0.122366656	0.199367113	0.473418131
ENSMUSG00000038181	Chpf2	-0.101140306	0.199376076	0.473418131
ENSMUSG00000022019	Tdrd3	-0.120775337	0.199449623	0.473446012
ENSMUSG00000024414	Mrpl27	0.123091789	0.199464051	0.473446012
ENSMUSG00000025878	Uimc1	0.126374124	0.199521048	0.473490817
ENSMUSG00000031659	Adcy7	-0.12608869	0.199569081	0.473514337
ENSMUSG00000025474	Tubgcp2	-0.124502823	0.199712134	0.473763258
ENSMUSG00000025192	Entpd7	-0.12529062	0.199828297	0.473948306
ENSMUSG00000024483	Ankhd1	0.105275071	0.199964066	0.474038533
ENSMUSG00000025785	Exosc7	0.118922212	0.199980832	0.474038533
ENSMUSG00000032745	Gppb1	-0.121559227	0.199920422	0.474038533
ENSMUSG00000034595	Ppp1r18	-0.118322723	0.200178544	0.474416656
ENSMUSG00000074918	Inafm2	-0.121134253	0.200245784	0.47448548
ENSMUSG00000073684	Faap20	-0.11779414	0.200383201	0.474720531
ENSMUSG00000047030	Spata2	-0.123229901	0.200504945	0.474918369
ENSMUSG00000025915	Sgk3	-0.12168213	0.200565908	0.474972191

ENSMUSG0000002108	Nr1h3	0.097371909	0.200876401	0.475074086
ENSMUSG00000020573	Pik3cg	-0.0952937	0.200876668	0.475074086
ENSMUSG00000028228	Cpne3	0.063120541	0.200818322	0.475074086
ENSMUSG00000033618	Map3k13	0.088621848	0.200803101	0.475074086
ENSMUSG00000047347	Tdg-ps	0.065175509	0.200717628	0.475074086
ENSMUSG00000053754	Chd8	-0.119057158	0.200689313	0.475074086
ENSMUSG00000072898	Gm10434	0.123383087	0.200801561	0.475074086
ENSMUSG00000022774	Ncbp2	0.099987877	0.201128553	0.475579242
ENSMUSG00000021023	1110008L16Rik	0.123807362	0.201225992	0.47571908
ENSMUSG00000037085	Trmt12	-0.110464019	0.201282583	0.475762316
ENSMUSG00000002458	Rgs19	-0.112811186	0.201526287	0.475976044
ENSMUSG00000026123	Plekha2	-0.119895873	0.201426398	0.475976044
ENSMUSG00000026395	Ptpnc	0.112287835	0.20151285	0.475976044
ENSMUSG00000044211	Gm7887	0.124466311	0.201496425	0.475976044
ENSMUSG00000040084	Bub1b	-0.123045152	0.201585791	0.476026067
ENSMUSG00000003131	Pafah1b2	0.125195685	0.201719969	0.476252373
ENSMUSG00000027715	Ccna2	0.120946749	0.201940064	0.476681402
ENSMUSG00000031557	Plekha2	-0.123422534	0.202379917	0.477628909
ENSMUSG00000042197	Zfp451	-0.124556853	0.202453416	0.477711603
ENSMUSG00000019433	Gipc1	-0.118965384	0.202854456	0.47856699
ENSMUSG00000021040	Slirp	0.122078995	0.202976372	0.478710526
ENSMUSG00000036435	Exoc1	-0.122175745	0.203012067	0.478710526
ENSMUSG00000039382	Wdr45	-0.124275347	0.203030919	0.478710526
ENSMUSG00000024442	Dele1	-0.123622898	0.203102247	0.478764849
ENSMUSG00000058402	Zfp420	-0.106259629	0.203131048	0.478764849
ENSMUSG00000026047	Kdelc1	-0.10138883	0.203171593	0.478769562
ENSMUSG00000086316	Nbpy	0.116259652	0.203322609	0.479034547
ENSMUSG00000028334	Nans	0.110266971	0.203435765	0.479210249
ENSMUSG00000031023	Akip1	0.116572339	0.203508588	0.479290892
ENSMUSG00000062300	Nectin2	-0.095561014	0.203616386	0.479453864
ENSMUSG00000022969	Ii10rb	-0.124111752	0.203663716	0.479474414
ENSMUSG00000004897	Hdgp	0.097111142	0.203706506	0.479484273
ENSMUSG00000021384	Susd3	-0.121449453	0.203981269	0.479494956
ENSMUSG00000034940	Synrg	-0.118491066	0.203936947	0.479494956
ENSMUSG00000038456	Dennd2a	-0.085066806	0.20375599	0.479494956
ENSMUSG00000045225	Olfr1152	-0.113199007	0.203975454	0.479494956
ENSMUSG00000053205	Styx	0.105704508	0.203952252	0.479494956
ENSMUSG00000069273	Hist1h3e	0.054841667	0.203847897	0.479494956
ENSMUSG00000109750	Hmgb1-rs17	0.067219546	0.203923933	0.479494956
ENSMUSG00000025533	Asl	-0.124030897	0.204129776	0.479648559
ENSMUSG00000044377	Gm13080	0.11629703	0.204162461	0.479648559
ENSMUSG00000079487	Med12	0.101816706	0.204129554	0.479648559
ENSMUSG00000020886	Dlg4	-0.103912987	0.204373569	0.480053725

ENSMUSG00000074158	Zfp976	-0.093655389	0.204445573	0.48013206
ENSMUSG00000005370	Msh6	-0.123799581	0.204514514	0.480203172
ENSMUSG00000002803	Btbd6	-0.103747052	0.204763427	0.480515119
ENSMUSG00000013611	Snx31	0.07266062	0.204748684	0.480515119
ENSMUSG00000027363	Usp8	-0.105251773	0.204743223	0.480515119
ENSMUSG00000026930	Gpsm1	-0.082387454	0.204861844	0.480655262
ENSMUSG00000029787	Avl9	-0.122447589	0.204999516	0.48088744
ENSMUSG00000079197	Psme2	0.11302152	0.20507291	0.480968773
ENSMUSG00000020918	Kat2a	-0.121188331	0.205362278	0.481556515
ENSMUSG00000020284	1810043G02Rik	-0.123280337	0.205532813	0.48179719
ENSMUSG00000028799	Zfp362	-0.116402352	0.20557678	0.48179719
ENSMUSG00000031112	Stk26	0.110914156	0.205581282	0.48179719
ENSMUSG00000032180	Tmed1	0.113698197	0.205964359	0.482512884
ENSMUSG00000041187	Prkd2	-0.099973946	0.205953509	0.482512884
ENSMUSG00000030346	Rad51ap1	0.104910119	0.206191516	0.482953953
ENSMUSG00000060216	Arhb2	-0.103519331	0.206390822	0.483329639
ENSMUSG00000058318	Phf21a	0.114065551	0.206678102	0.483911161
ENSMUSG00000044117	2900011O08Rik	0.058577461	0.20677834	0.484025669
ENSMUSG00000061615	Hist1h2ab	0.097802286	0.206804945	0.484025669
ENSMUSG00000026792	Lrsam1	-0.071151279	0.206934614	0.484188238
ENSMUSG00000084093	Gm16418	0.123625102	0.206952367	0.484188238
ENSMUSG00000060063	Alox5ap	0.110991417	0.207008872	0.484198237
ENSMUSG00000066839	Ecsit	0.107415384	0.207073588	0.484198237
ENSMUSG00000068036	Afdn	0.062511055	0.207069442	0.484198237
ENSMUSG00000026273	Mterf4	0.119099706	0.207142137	0.484233294
ENSMUSG00000033237	Arid2	0.106610288	0.207166551	0.484233294
ENSMUSG00000026657	Frmd4a	-0.118580119	0.207390749	0.48457496
ENSMUSG00000062931	Zfp938	-0.122771536	0.207390716	0.48457496
ENSMUSG00000028447	Dctn3	0.104302914	0.207431625	0.484579315
ENSMUSG00000041707	Tmem273	0.112844831	0.207636059	0.484965681
ENSMUSG00000030825	Hsd17b14	0.074798569	0.207837323	0.485344498
ENSMUSG00000016257	Prelid3b	0.112958732	0.207888233	0.485372131
ENSMUSG00000030753	Thap12	0.119882678	0.207997438	0.485535834
ENSMUSG00000005800	Mmp8	-0.108867353	0.208070516	0.4855474
ENSMUSG00000030587	2200002D01Rik	0.047489816	0.208080574	0.4855474
ENSMUSG00000031097	Tnni2	-0.083973668	0.208165233	0.485653712
ENSMUSG00000015971	Actr8	-0.12262518	0.208358505	0.485799603
ENSMUSG00000022584	Ly6c2	-0.133188798	0.208305339	0.485799603
ENSMUSG00000042737	Dpm3	-0.119929619	0.208384211	0.485799603
ENSMUSG00000083041	Gmfg-ps	0.121614223	0.208377292	0.485799603
ENSMUSG00000020841	Cpd	0.107605813	0.208491572	0.485821715
ENSMUSG00000030785	Cox6a2	0.06924061	0.208472634	0.485821715
ENSMUSG00000045438	Cox19	0.114088786	0.208511035	0.485821715

ENSMUSG00000038422	Hdhd3	-0.106089457	0.208713832	0.486203021
ENSMUSG00000047368	Abhd17b	0.121087466	0.208896702	0.486537771
ENSMUSG00000001909	Trmt1	0.115150343	0.209211013	0.487168988
ENSMUSG00000024034	Tmprss3	0.068464016	0.20924616	0.487168988
ENSMUSG00000024410	Rmc1	-0.104685983	0.209549324	0.487691991
ENSMUSG00000038116	Phf20	0.11294841	0.209511587	0.487691991
ENSMUSG00000011658	Fuz	-0.122399012	0.20962688	0.487781094
ENSMUSG00000022177	Haus4	0.099231822	0.210014484	0.487859967
ENSMUSG00000022521	Crebbp	0.051999382	0.209971181	0.487859967
ENSMUSG00000026976	Pax8	0.081696915	0.209998083	0.487859967
ENSMUSG00000032589	Bsn	0.122176547	0.209852657	0.487859967
ENSMUSG00000036867	Smad6	0.103771396	0.210053547	0.487859967
ENSMUSG00000045205	Dpy19l4	0.122537657	0.209832408	0.487859967
ENSMUSG00000045414	1190002N15Rik	-0.12247518	0.20993214	0.487859967
ENSMUSG00000052748	Swt1	-0.121814817	0.210003655	0.487859967
ENSMUSG00000094685	Gm5900	-0.122159322	0.2100226	0.487859967
ENSMUSG00000116030	Gm49500	-0.060152885	0.209794123	0.487859967
ENSMUSG00000027086	Fastkd1	0.119216106	0.2102525	0.487991459
ENSMUSG00000027379	Bub1	-0.105383609	0.210224031	0.487991459
ENSMUSG00000035206	Sppl2b	-0.116884259	0.210218767	0.487991459
ENSMUSG00000057156	Homez	-0.121513119	0.210267313	0.487991459
ENSMUSG00000035769	Xylb	-0.091981089	0.210348759	0.487998119
ENSMUSG00000078495	Zfp984	-0.119861542	0.210342139	0.487998119
ENSMUSG00000017631	Abr	-0.121458024	0.210453936	0.48805981
ENSMUSG00000055013	Agap1	-0.03249614	0.2104421	0.48805981
ENSMUSG00000021203	Otub2	-0.044293053	0.210628825	0.488374208
ENSMUSG00000050732	Vamp8	0.113992212	0.210798703	0.488676874
ENSMUSG00000018983	E2f2	-0.085011127	0.210869728	0.488726153
ENSMUSG00000025386	Pde6g	-0.112316235	0.210898654	0.488726153
ENSMUSG00000072968	Gm17728	0.115896407	0.211053696	0.48894301
ENSMUSG00000111585	Gm47355	0.053657326	0.211070962	0.48894301
ENSMUSG00000031839	Hsbp1	0.115921502	0.211198129	0.489099833
ENSMUSG00000043162	Pyurf	0.102874102	0.211217414	0.489099833
ENSMUSG00000020859	Spag9	-0.119128654	0.211461761	0.489124027
ENSMUSG00000022159	Rab2b	-0.111858408	0.211399436	0.489124027
ENSMUSG00000025935	Tram1	-0.099930207	0.211363199	0.489124027
ENSMUSG00000048379	Socs4	0.122355863	0.211306917	0.489124027
ENSMUSG00000049734	Trex1	-0.121770519	0.211464135	0.489124027
ENSMUSG00000109658	Gm45660	0.110286586	0.211320958	0.489124027
ENSMUSG00000006050	Sra1	0.115481759	0.211639847	0.489257126
ENSMUSG00000026857	Ntmt1	0.119669158	0.211628867	0.489257126
ENSMUSG00000039958	Etfbkmt	0.095155058	0.211611225	0.489257126
ENSMUSG00000063800	Prpf38a	0.117124512	0.211775256	0.489479056

ENSMUSG00000018425	Dhx40	-0.121382528	0.211856091	0.489483725
ENSMUSG00000026097	Ormdl1	-0.10661031	0.211849019	0.489483725
ENSMUSG00000022892	App	0.12272488	0.212072691	0.489674869
ENSMUSG00000055322	Tns1	-0.058087306	0.212135937	0.489674869
ENSMUSG00000062866	Phactr2	-0.121443971	0.212111184	0.489674869
ENSMUSG00000070942	Il1rl2	0.121660988	0.212028074	0.489674869
ENSMUSG00000095547	Gm10719	-0.049144554	0.212057745	0.489674869
ENSMUSG00000040061	Plcb2	-0.108495848	0.212190916	0.489710771
ENSMUSG00000094153	Gm8807	0.057457426	0.212313713	0.489903145
ENSMUSG00000025169	Ogfod3	-0.120605865	0.21243513	0.490092264
ENSMUSG00000036572	Upf3b	0.10779205	0.212516564	0.490189088
ENSMUSG00000059791	Nrm	-0.100727066	0.212675848	0.490465412
ENSMUSG00000023353	Agap3	-0.120848386	0.21280978	0.490683178
ENSMUSG00000022952	Runx1	-0.124216106	0.212937928	0.49088753
ENSMUSG00000022329	Stk3	-0.120462407	0.213118079	0.491211664
ENSMUSG00000017615	Tnfaip1	-0.116425757	0.21323978	0.491218715
ENSMUSG00000021171	Esyt2	-0.117359997	0.213239576	0.491218715
ENSMUSG00000034390	Cmip	-0.120507508	0.213192858	0.491218715
ENSMUSG00000008305	Tle1	0.118932237	0.213374401	0.491272716
ENSMUSG00000038388	Mpp6	0.117270339	0.213381878	0.491272716
ENSMUSG00000090124	Ugt1a7c	-0.120073313	0.213370102	0.491272716
ENSMUSG00000003541	Ier3	0.107127523	0.213575894	0.491470848
ENSMUSG00000030374	Strn4	-0.099082253	0.213586638	0.491470848
ENSMUSG00000041130	Zfp598	-0.106723847	0.213563288	0.491470848
ENSMUSG00000023087	Noct	0.113989942	0.2136533	0.491533179
ENSMUSG00000020829	Slc46a1	0.120670954	0.213797646	0.491774177
ENSMUSG00000020689	Itgb3	-0.08338116	0.213861541	0.49183007
ENSMUSG00000033396	Spg11	-0.113314166	0.213939454	0.49191817
ENSMUSG00000023755	Rhebl1	-0.116720694	0.214375793	0.492750884
ENSMUSG00000026933	Camsap1	-0.092678129	0.214420621	0.492750884
ENSMUSG00000052459	Atp6v1a	0.1184836	0.214389112	0.492750884
ENSMUSG00000091071	1700030C10Rik	0.022942497	0.214482381	0.492801639
ENSMUSG00000028617	Lrrc42	0.113123145	0.214589566	0.492956722
ENSMUSG00000001604	Tcea3	-0.055952797	0.214808356	0.49310256
ENSMUSG00000021728	Emb	0.10102689	0.214745993	0.49310256
ENSMUSG00000024538	Ppic	0.119900183	0.214801406	0.49310256
ENSMUSG00000071470	Ccnb1ip1	0.100190474	0.214811847	0.49310256
ENSMUSG00000025579	Gaa	-0.112440479	0.214942849	0.493312109
ENSMUSG00000022999	Lmbr1l	-0.086726163	0.214984429	0.493316385
ENSMUSG00000039713	Plekhg5	-0.047809203	0.215066761	0.493414157
ENSMUSG00000001761	Smo	-0.11631331	0.215199682	0.493476198
ENSMUSG00000021972	Hmbox1	-0.109857111	0.215371908	0.493476198
ENSMUSG00000026029	Casp8	-0.107555874	0.215328952	0.493476198

ENSMUSG00000026162	Nhej1	0.099184587	0.215237806	0.493476198
ENSMUSG00000028914	Casp9	0.117782967	0.215171101	0.493476198
ENSMUSG00000035559	Mpv17l2	0.116895706	0.215345969	0.493476198
ENSMUSG00000042210	Abhd14a	0.106356594	0.21530651	0.493476198
ENSMUSG00000005813	Metap1	0.119160872	0.215846901	0.493674648
ENSMUSG00000025217	Btrc	-0.120282068	0.215855971	0.493674648
ENSMUSG00000030400	Ercc2	-0.063107808	0.215671827	0.493674648
ENSMUSG00000034928	Rnf44	-0.094774132	0.215800186	0.493674648
ENSMUSG00000036372	Tmem258	0.106413194	0.215592174	0.493674648
ENSMUSG00000036918	Ttc7	-0.101513774	0.215799921	0.493674648
ENSMUSG00000056708	Ier5	0.096722936	0.215789089	0.493674648
ENSMUSG00000072964	Bhlhb9	-0.120270957	0.215550551	0.493674648
ENSMUSG00000073856	Iqck	-0.067706232	0.215656322	0.493674648
ENSMUSG00000091471	Gm20538	0.119186499	0.215799969	0.493674648
ENSMUSG00000007880	Arid1a	0.105650169	0.215954709	0.493718654
ENSMUSG00000103880	Gm37009	0.077757206	0.215925104	0.493718654
ENSMUSG00000027475	Kif3b	0.095664148	0.216098089	0.493955533
ENSMUSG00000017561	Crlf3	-0.11405862	0.216312513	0.494354686
ENSMUSG00000030200	Bcl2l14	-0.096767393	0.216482156	0.494651373
ENSMUSG00000022565	Plec	-0.11770138	0.216803708	0.495112105
ENSMUSG00000024513	Mbd2	-0.119139299	0.216842733	0.495112105
ENSMUSG00000061436	Hipk2	-0.117825459	0.216843237	0.495112105
ENSMUSG00000090334	Gm17149	0.090512158	0.216778057	0.495112105
ENSMUSG00000025078	Nhlrc2	-0.109147878	0.217072541	0.495543158
ENSMUSG00000027474	Ccm2l	0.094856109	0.217111816	0.495543158
ENSMUSG00000024491	Rbm27	0.119490568	0.217320726	0.495837756
ENSMUSG00000078435	AU041133	-0.110922911	0.217304421	0.495837756
ENSMUSG00000026399	Cd55	-0.068550237	0.217503828	0.496073273
ENSMUSG00000063954	Hist2h2aa2	-0.106793596	0.217481898	0.496073273
ENSMUSG00000030539	Sema4b	-0.069953262	0.217610042	0.496133321
ENSMUSG00000074305	Peak1	-0.082740504	0.217608546	0.496133321
ENSMUSG00000023932	Cdc5l	0.114053754	0.218057184	0.496918535
ENSMUSG00000024816	Frmd8	-0.119067104	0.218122288	0.496918535
ENSMUSG00000031631	Cfap97	-0.114995694	0.218190071	0.496918535
ENSMUSG00000032299	Commd4	-0.118170421	0.218287922	0.496918535
ENSMUSG00000038604	Ripor1	-0.119178639	0.218180009	0.496918535
ENSMUSG00000040430	Pitpnc1	-0.11937961	0.218313594	0.496918535
ENSMUSG00000041598	Cdc42ep4	-0.104934368	0.218086894	0.496918535
ENSMUSG00000049305	Ccdc71	-0.113015736	0.2182245	0.496918535
ENSMUSG00000060860	Ube2s	-0.106581954	0.218314503	0.496918535
ENSMUSG00000036461	Elf1	0.11940128	0.218430379	0.497012152
ENSMUSG00000062797	Hikeshi	0.104682994	0.218435661	0.497012152
ENSMUSG00000059713	Rcan3	-0.099885002	0.218487884	0.497039927

ENSMUSG00000038172	Ttc39b	0.05820565	0.218593917	0.497190083
ENSMUSG00000022558	Mroh1	0.11107259	0.218886084	0.497250162
ENSMUSG00000034793	G6pc3	0.099734505	0.218715489	0.497250162
ENSMUSG00000042558	Adprhl2	-0.099101016	0.218900562	0.497250162
ENSMUSG00000046201	Scaf8	-0.116731892	0.218776727	0.497250162
ENSMUSG00000051319	Mtln	0.101126788	0.218854557	0.497250162
ENSMUSG00000068290	Ddrgk1	0.097096055	0.218836399	0.497250162
ENSMUSG00000095930	Nim1k	0.108256574	0.218768798	0.497250162
ENSMUSG00000034171	Faah	-0.069041332	0.219033006	0.497460041
ENSMUSG00000031828	Klhl36	-0.112733402	0.219235885	0.497829785
ENSMUSG00000020283	Pex13	-0.114919537	0.219448445	0.497857375
ENSMUSG00000037174	Elf2	0.11948725	0.219295593	0.497857375
ENSMUSG00000056342	Usp34	0.086644825	0.219437746	0.497857375
ENSMUSG00000057406	Nsd2	0.109696604	0.219352022	0.497857375
ENSMUSG00000106831	Ube2n-ps1	0.10980632	0.21937743	0.497857375
ENSMUSG00000028902	Sf3a3	0.104321864	0.21950659	0.497857603
ENSMUSG00000038582	Pptc7	0.110911944	0.219528709	0.497857603
ENSMUSG00000000275	Trim25	-0.119287203	0.219581213	0.49788577
ENSMUSG00000024190	Dusp1	-0.105974321	0.219647594	0.497945385
ENSMUSG00000047656	Trpt1	-0.071756329	0.219768081	0.498127615
ENSMUSG00000002064	Sdf2	-0.10800477	0.219954559	0.49817261
ENSMUSG00000021771	Vdac2	0.114131192	0.220170603	0.49817261
ENSMUSG00000024544	Ldlrad4	-0.103039706	0.220235547	0.49817261
ENSMUSG00000027540	Ptpn1	0.116051851	0.22026922	0.49817261
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ENSMUSG00000029775	Klhdc10	-0.118280597	0.219868329	0.49817261
ENSMUSG00000030536	Iqgap1	-0.117158879	0.219924307	0.49817261
ENSMUSG00000041308	Sntb2	-0.118908498	0.220037502	0.49817261
ENSMUSG00000048188	Gm8181	-0.092397586	0.220250206	0.49817261
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ENSMUSG00000062991	Nrg1	0.117640277	0.220063034	0.49817261
ENSMUSG00000115886	Tgtp2	-0.052408736	0.220187878	0.49817261
ENSMUSG00000067150	Xpo5	0.096681248	0.220331899	0.498223651
ENSMUSG00000015202	Cnksr3	-0.104298679	0.220458962	0.498420235
ENSMUSG00000019039	Dalrd3	-0.118991984	0.220887569	0.499210694
ENSMUSG00000078768	Zfp566	-0.112799002	0.220888976	0.499210694
ENSMUSG00000028344	Invs	-0.101195598	0.220962296	0.499285551
ENSMUSG00000020894	Vamp2	-0.107763656	0.22107648	0.499429665
ENSMUSG00000089824	Rbm12	0.092947575	0.221106491	0.499429665
ENSMUSG00000027636	Sla2	-0.097684822	0.221190995	0.499529699
ENSMUSG00000016319	Slc25a5	0.116950345	0.221254938	0.499583272
ENSMUSG00000017264	Exosc10	-0.114577748	0.221412998	0.499667668
ENSMUSG00000042275	Pelo	-0.110044733	0.221390412	0.499667668

ENSMUSG00000069792	Wfdc17	0.097401846	0.22134046	0.499667668
ENSMUSG00000030407	Qpctl	-0.118597806	0.22146809	0.499701207
ENSMUSG00000049539	Hist1h1a	0.070235559	0.221594232	0.49987433
ENSMUSG00000078684	5830417110Rik	-0.117925766	0.221625307	0.49987433
ENSMUSG00000023764	Sfi1	-0.117323495	0.221700463	0.499927668
ENSMUSG00000057667	Bloc1s3	-0.116111081	0.221769701	0.499927668
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ENSMUSG00000023051	Tarbp2	0.107425429	0.222008926	0.500179386
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ENSMUSG00000035521	Gnptg	0.10514014	0.22196455	0.500179386
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ENSMUSG00000052212	Cd177	0.115148566	0.222101491	0.50022169
ENSMUSG00000024983	Vti1a	0.106482121	0.222154961	0.500251408
ENSMUSG00000031985	Gnpat	-0.095904968	0.222203003	0.500268896
ENSMUSG00000039187	Fanci	-0.115838626	0.222263397	0.500314181
ENSMUSG00000002881	Nab1	-0.11634409	0.222402116	0.500354407
ENSMUSG00000042744	Hectd4	-0.10460878	0.222378664	0.500354407
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ENSMUSG00000041126	H2afv	-0.114721734	0.222514015	0.500370085
ENSMUSG00000057219	Armc7	-0.117880123	0.222589796	0.500370085
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ENSMUSG00000069237	Fam8a1	-0.083757099	0.222768674	0.500544446
ENSMUSG00000024963	Dnajc4	-0.113245696	0.2228223	0.500574386
ENSMUSG00000015942	Gtf2ird2	-0.107836132	0.222881107	0.500615954
ENSMUSG00000025616	Usp16	0.116967919	0.223030424	0.500770228
ENSMUSG00000038520	Tbc1d17	-0.115395683	0.223003118	0.500770228
ENSMUSG00000042211	Fbxo38	-0.109716475	0.223189307	0.501036396
ENSMUSG00000029869	Ephb6	-0.040375316	0.223232489	0.50104278
ENSMUSG00000020546	Stxbp4	-0.103678124	0.223512051	0.501489014
ENSMUSG00000057497	Fam136a	0.116928902	0.223497337	0.501489014
ENSMUSG00000004637	Wwox	-0.11625518	0.223674136	0.501684838
ENSMUSG00000027994	Mcub	0.113039123	0.223680109	0.501684838
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ENSMUSG00000035575	Utp6	0.110661695	0.22381351	0.501802817
ENSMUSG00000048497	Mmgt2	-0.117721056	0.224006582	0.502054448
ENSMUSG00000061607	Mdc1	0.081675311	0.223991894	0.502054448
ENSMUSG00000020064	Herc4	0.116346797	0.224090917	0.502062279
ENSMUSG00000051154	Commd3	0.092861843	0.224055049	0.502062279
ENSMUSG00000031431	Tsc22d3	-0.117179109	0.224228268	0.502279407
ENSMUSG00000025940	Tmem70	0.10364005	0.224297313	0.502343476

ENSMUSG00000021144	Mta1	-0.099901686	0.224641801	0.502571292
ENSMUSG00000021816	Ppp3cb	-0.113432933	0.22462746	0.502571292
ENSMUSG00000028114	Mettl14	-0.105719774	0.224556241	0.502571292
ENSMUSG00000032035	Ets1	0.111381002	0.22448823	0.502571292
ENSMUSG00000059409	Ppp2r5d	-0.107185695	0.22460273	0.502571292
ENSMUSG00000085666	Gm9855	-0.032883803	0.224640666	0.502571292
ENSMUSG00000033004	Mycbp2	0.117534447	0.224689952	0.502588492
ENSMUSG00000004415	Col26a1	-0.026183264	0.224809945	0.502675846
ENSMUSG00000015750	Aph1a	0.116959876	0.224775275	0.502675846
ENSMUSG00000029389	Ddx55	0.108040525	0.224923764	0.502749337
ENSMUSG00000035284	Vps13c	0.102642827	0.224903088	0.502749337
ENSMUSG00000031109	Enox2	-0.116022918	0.225172281	0.503033255
ENSMUSG00000036106	Prr5	-0.116037239	0.225171842	0.503033255
ENSMUSG00000041203	Trir	0.099706555	0.225127369	0.503033255
ENSMUSG00000022419	Deptor	-0.115209767	0.225381119	0.503409257
ENSMUSG00000028416	Bag1	0.114212571	0.225450938	0.503474667
ENSMUSG00000090812	Samd15	-0.117953557	0.225524235	0.503547821
ENSMUSG00000046822	Slc39a3	-0.117203615	0.225582314	0.503586974
ENSMUSG00000104360	Gm8762	0.060749304	0.225623924	0.503589354
ENSMUSG00000066880	Zfp617	-0.109308514	0.225699899	0.503620826
ENSMUSG00000097388	Gm3200	0.06097485	0.225719116	0.503620826
ENSMUSG00000022710	Usp7	0.117744499	0.225841223	0.503748287
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ENSMUSG00000035666	Gtf3c4	-0.113552343	0.226147304	0.504123414
ENSMUSG00000036599	Chst12	-0.098903116	0.226078324	0.504123414
ENSMUSG00000042138	Msantd2	-0.110093104	0.226109972	0.504123414
ENSMUSG00000041870	Ankrd13a	-0.119871235	0.226268385	0.50430282
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ENSMUSG00000035711	Dok3	-0.113174066	0.226517343	0.504495591
ENSMUSG00000025439	Clns1a	0.097864265	0.226576678	0.504526631
ENSMUSG00000111817	Gm47154	0.117120822	0.226612517	0.504526631
ENSMUSG00000021843	Ktn1	0.111082506	0.226661984	0.504546327
ENSMUSG00000004936	Map2k1	-0.092750642	0.226771489	0.504676491
ENSMUSG00000034211	Mrps17	0.086571566	0.226919126	0.504676491
ENSMUSG00000036894	Rap2b	0.110345122	0.226950771	0.504676491
ENSMUSG00000038332	Sesn1	-0.055769192	0.226964244	0.504676491
ENSMUSG00000039599	Fam149b	-0.113465344	0.226842978	0.504676491
ENSMUSG00000060798	Intu	0.102468599	0.22687517	0.504676491
ENSMUSG00000018474	Chd3	-0.106624297	0.227059038	0.504692388
ENSMUSG00000030880	Polr3e	-0.108667533	0.227073603	0.504692388
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ENSMUSG00000112341	Gm4796	0.059117656	0.227423093	0.505334926
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ENSMUSG00000038500	Prr3	-0.116607894	0.227652298	0.505572894
ENSMUSG00000075271	Ttc30a1	-0.104887025	0.227650828	0.505572894
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ENSMUSG00000032508	Myd88	0.104943905	0.228131186	0.506274337
ENSMUSG00000033653	Vps8	-0.092421458	0.228131043	0.506274337
ENSMUSG00000097530	Kansl2-ps	-0.105990171	0.228106303	0.506274337
ENSMUSG00000039087	Rreb1	0.105752061	0.228182949	0.50629875
ENSMUSG00000079215	Zfp664	0.109325847	0.22822997	0.506312638
ENSMUSG00000117526	AC113953.1	0.035738815	0.228276656	0.506325775
ENSMUSG00000028330	Ncbp1	0.116152225	0.228411159	0.506533656
ENSMUSG00000021234	Fam161b	-0.083778095	0.228701664	0.507087355
ENSMUSG00000034889	Cactin	-0.103965572	0.228914149	0.507467901
ENSMUSG00000050530	Fam171a1	-0.072889914	0.228969897	0.507500909
ENSMUSG00000020687	Cdc27	0.116471883	0.229151744	0.507649598
ENSMUSG00000036225	Kctd1	0.115951178	0.229159592	0.507649598
ENSMUSG00000037070	Rbmxl1	0.101272261	0.229115247	0.507649598
ENSMUSG00000026159	Agfg1	-0.111071484	0.229353827	0.507988522
ENSMUSG00000041035	Gm17018	0.10423528	0.229394382	0.507988522
ENSMUSG00000038605	Samd10	-0.115679539	0.229475612	0.508077822
ENSMUSG00000026679	Enkur	0.078631051	0.229562098	0.508178724
ENSMUSG00000025736	Jmjd8	-0.113146205	0.229611392	0.508197274
ENSMUSG00000057411	Fam173a	0.08778238	0.22974419	0.508400603
ENSMUSG00000056055	Sag	0.113557271	0.230236598	0.509399498
ENSMUSG00000028293	Slc35a1	-0.107024855	0.230332015	0.50951985
ENSMUSG00000045827	Serpinb9	0.095125408	0.230560069	0.50984273
ENSMUSG00000055401	Fbxo6	-0.113478868	0.230535481	0.50984273
ENSMUSG00000019792	Trmt11	0.114950736	0.230761795	0.510197981
ENSMUSG00000026095	Asnsd1	0.104951962	0.23102589	0.510444071
ENSMUSG00000029313	Aff1	-0.116619758	0.231037482	0.510444071
ENSMUSG00000036168	Ccdc38	0.077097562	0.230957743	0.510444071
ENSMUSG00000078695	Cisd3	0.112698443	0.230924626	0.510444071
ENSMUSG00000021182	Ccdc88c	-0.10426874	0.231513824	0.511405515
ENSMUSG00000022026	Olfm4	-0.045359473	0.231725009	0.511746681
ENSMUSG00000022141	Nipbl	0.110300442	0.23178427	0.511746681
ENSMUSG00000031310	Zmym3	-0.115265543	0.231791871	0.511746681
ENSMUSG00000001739	Cldn15	0.11335869	0.23197276	0.512031247
ENSMUSG00000029397	Rchy1	-0.121067117	0.232003209	0.512031247
ENSMUSG00000079084	Ccdc82	-0.109492203	0.232078772	0.512107021
ENSMUSG00000109129	Gm44973	0.099317197	0.232126268	0.512120848
ENSMUSG00000030680	Pagr1a	-0.108686448	0.232270976	0.512167191
ENSMUSG00000036208	Nepro	0.106158359	0.23220327	0.512167191

ENSMUSG00000050533	Gm9845	-0.076100641	0.232263153	0.512167191
ENSMUSG00000029439	Sfswap	0.112491038	0.232380967	0.512318778
ENSMUSG00000006476	Nsmf	-0.096042867	0.232612576	0.51264741
ENSMUSG00000026150	Mff	0.094522896	0.232612301	0.51264741
ENSMUSG00000018395	Kif3a	0.115104207	0.232733473	0.512731904
ENSMUSG00000026187	Xrcc5	0.109344606	0.232710345	0.512731904
ENSMUSG00000006782	Cnp	-0.114568562	0.232775409	0.512733348
ENSMUSG00000043346	Gm6741	0.111435259	0.232897248	0.512910766
ENSMUSG00000070691	Runx3	-0.044280142	0.232939222	0.512912264
ENSMUSG00000009350	Mpo	-0.114413034	0.233334402	0.513423408
ENSMUSG00000020607	Fam84a	-0.076751959	0.233271491	0.513423408
ENSMUSG00000038252	Ncapd2	0.115345265	0.233286108	0.513423408
ENSMUSG00000048578	Mlec	0.103938342	0.233336699	0.513423408
ENSMUSG00000029185	Fam114a1	-0.099352221	0.233455884	0.513594676
ENSMUSG00000097295	Hmgb1-ps8	0.080599356	0.233703924	0.514049308
ENSMUSG00000101249	Gm29216	-0.112926595	0.233790531	0.514148757
ENSMUSG00000028986	Klhl7	-0.11492642	0.23386179	0.514214426
ENSMUSG00000027559	Car3	-0.099268434	0.234087885	0.514531109
ENSMUSG00000045665	Mfsd5	-0.108606774	0.234088664	0.514531109
ENSMUSG00000019842	Traf3ip2	-0.096071899	0.234475848	0.515127736
ENSMUSG00000037022	Mmaa	-0.114878669	0.234478501	0.515127736
ENSMUSG00000047909	Ankrd16	-0.1101222	0.234525992	0.515127736
ENSMUSG00000073639	Rab18	0.114259315	0.23448957	0.515127736
ENSMUSG00000048799	Cep120	-0.112223967	0.234708174	0.515436745
ENSMUSG00000033623	Pcgf3	0.093066194	0.235161588	0.516341185
ENSMUSG00000042340	Ctf1	0.063918083	0.235224161	0.516387293
ENSMUSG00000045780	Olfr624	0.114990615	0.235268944	0.516394336
ENSMUSG00000017707	Serinc3	-0.105120608	0.235405766	0.516603361
ENSMUSG00000010608	Rbm25	0.110280864	0.235593246	0.51667592
ENSMUSG00000019362	D8Ertd738e	0.105838459	0.235761888	0.51667592
ENSMUSG00000019823	Mical1	-0.113760356	0.235813203	0.51667592
ENSMUSG00000021676	Iqgap2	0.11450374	0.235809216	0.51667592
ENSMUSG00000028559	Osbpl9	-0.114093876	0.235664207	0.51667592
ENSMUSG00000031198	Fundc2	0.114315512	0.235511893	0.51667592
ENSMUSG00000034799	Unc13a	0.088313703	0.235749677	0.51667592
ENSMUSG00000038302	Afg1l	-0.089328206	0.235684323	0.51667592
ENSMUSG00000091811	Inafm1	-0.098860125	0.235597474	0.51667592
ENSMUSG00000036315	Znrd1	0.093387241	0.235909228	0.516704023
ENSMUSG00000096910	Zfp955b	-0.095803568	0.235877542	0.516704023
ENSMUSG00000004270	Lpcat3	0.098673677	0.236023418	0.516735318
ENSMUSG00000058076	Sdhc	0.114320871	0.236015172	0.516735318
ENSMUSG00000058385	Hist1h2bg	-0.053016325	0.236048321	0.516735318
ENSMUSG00000028633	Ctps	0.113459244	0.236093654	0.516743484

ENSMUSG00000022856	Tmem41a	0.106231127	0.23616231	0.516802687
ENSMUSG00000051695	Pcbp1	-0.11937772	0.236231535	0.516863115
ENSMUSG00000057103	Nat8f1	-0.100265516	0.236375298	0.517086575
ENSMUSG00000042121	Ssh1	-0.057536899	0.236425769	0.517105911
ENSMUSG00000025402	Nab2	0.045081133	0.236622414	0.517444896
ENSMUSG00000001020	S100a4	-0.086763612	0.236739761	0.517610381
ENSMUSG00000042063	Zfp386	-0.107886764	0.237072836	0.518065042
ENSMUSG00000045969	Ing1	-0.102683022	0.237055333	0.518065042
ENSMUSG00000057069	Ero1lb	-0.10009464	0.23699281	0.518065042
ENSMUSG00000001376	Vps50	0.114201572	0.237290146	0.518448707
ENSMUSG00000019505	Ubb	-0.111051006	0.237464844	0.518649126
ENSMUSG00000061838	Suclg2	0.093446701	0.237507144	0.518649126
ENSMUSG00000066233	Tmem42	-0.111462807	0.237488231	0.518649126
ENSMUSG00000028832	Stmn1	0.080872372	0.237696875	0.51869868
ENSMUSG00000035547	Capn5	-0.052954024	0.237671291	0.51869868
ENSMUSG00000047146	Tet1	0.087844892	0.237660267	0.51869868
ENSMUSG00000052102	Gnpda1	-0.107893992	0.237648937	0.51869868
ENSMUSG00000013787	Ehmt2	0.106633896	0.237847787	0.518922622
ENSMUSG00000028580	Pum1	-0.113537326	0.237883054	0.518922622
ENSMUSG00000053916	Nanp	0.093725884	0.238060952	0.519219506
ENSMUSG00000011832	Evi5l	-0.11339135	0.238137478	0.519295226
ENSMUSG00000022833	Ccdc14	-0.113503171	0.238197536	0.519335017
ENSMUSG00000020571	Pdia6	0.111150161	0.238258257	0.519359171
ENSMUSG00000028894	Inpp5b	-0.113323083	0.23829224	0.519359171
ENSMUSG00000028391	Wdr31	0.10421487	0.238374852	0.519448077
ENSMUSG00000022553	Maf1	-0.107109201	0.238537076	0.519710405
ENSMUSG00000044864	Ankrd50	0.067774843	0.238695414	0.519866409
ENSMUSG00000046032	Snx12	0.097877295	0.238673957	0.519866409
ENSMUSG00000102135	Gm37108	0.056890464	0.23873424	0.519866409
ENSMUSG00000046380	Jrk	-0.09314862	0.238795787	0.519909284
ENSMUSG00000028463	Car9	-0.109923543	0.239001206	0.520265331
ENSMUSG00000028803	Nipal3	-0.104173325	0.239390261	0.520683745
ENSMUSG00000031278	Acsl4	0.068747057	0.239403017	0.520683745
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ENSMUSG00000059734	Ndufs8	0.10416921	0.23938637	0.520683745
ENSMUSG00000074749	Kiz	-0.113482527	0.239310786	0.520683745
ENSMUSG00000030868	Dctn5	-0.093122598	0.23945219	0.520699519
ENSMUSG00000032997	Chpf	-0.07501182	0.239514624	0.520744118
ENSMUSG00000062590	Armc9	-0.103372011	0.239634752	0.520914115
ENSMUSG00000024422	Dhx16	0.112830553	0.239681021	0.520923528
ENSMUSG00000034974	Dapk3	-0.103397075	0.239801934	0.521095141
ENSMUSG00000073725	Lmbrd1	-0.112628568	0.239921377	0.521263499
ENSMUSG00000002345	Borcs8	0.107410819	0.240005101	0.521286712

ENSMUSG00000109901	Chmp1b	-0.096172555	0.240015997	0.521286712
ENSMUSG00000038550	Ciart	0.054577005	0.240260986	0.52172757
ENSMUSG00000040785	Ttc3	0.112817745	0.240352853	0.52183583
ENSMUSG00000048249	Crebrf	-0.100605112	0.240491046	0.521979438
ENSMUSG00000069874	Irgm2	-0.096568028	0.240503045	0.521979438
ENSMUSG00000033475	Tomm6	0.106090777	0.240687986	0.522199136
ENSMUSG00000058542	Gm15590	0.110598866	0.240713977	0.522199136
ENSMUSG00000091462	Gm17084	0.064968864	0.240730396	0.522199136
ENSMUSG00000022574	Naprt	0.0978891	0.240858483	0.522210186
ENSMUSG00000027506	Tpd52	-0.10316095	0.240796567	0.522210186
ENSMUSG00000043243	Fam129c	-0.065118688	0.240861618	0.522210186
ENSMUSG00000024645	Timm21	0.094850625	0.241043901	0.522306175
ENSMUSG00000029916	Agk	-0.100495294	0.241122132	0.522306175
ENSMUSG00000030002	Dusp11	0.101781946	0.241184458	0.522306175
ENSMUSG00000032434	Cmtm6	-0.100159659	0.24106799	0.522306175
ENSMUSG00000040283	Btnl9	0.112142825	0.241200243	0.522306175
ENSMUSG00000062859	Tcp11	-0.095509644	0.241106878	0.522306175
ENSMUSG00000079262	Slco1a6	0.073759461	0.241053499	0.522306175
ENSMUSG00000059460	Olfr286	-0.058315221	0.241371609	0.522586151
ENSMUSG00000021975	Ints9	-0.109251075	0.241499705	0.522772365
ENSMUSG00000033739	Fkbp1	-0.08391896	0.241551127	0.522792568
ENSMUSG00000041057	Wdr43	0.114382712	0.242021433	0.523627977
ENSMUSG00000046873	Mbtps2	-0.109224225	0.241981613	0.523627977
ENSMUSG00000028274	Rngtt	-0.102500367	0.24214698	0.523808366
ENSMUSG00000055884	Fancm	0.081326707	0.242236613	0.523819807
ENSMUSG00000073427	Gm4924	-0.069667297	0.242226041	0.523819807
ENSMUSG00000038175	Mylip	-0.110786877	0.242295108	0.523855097
ENSMUSG00000002825	Qtrt1	0.113635725	0.242386575	0.523870479
ENSMUSG00000056515	Rab31	-0.107460091	0.242361546	0.523870479
ENSMUSG00000003779	Kif20a	-0.112366596	0.24259191	0.524040714
ENSMUSG00000025453	Nnt	-0.081308203	0.242565295	0.524040714
ENSMUSG00000026754	Golga1	-0.112038275	0.24253329	0.524040714
ENSMUSG00000024604	Rbm22	0.10242193	0.242700151	0.524092242
ENSMUSG00000031379	Pir	-0.099314043	0.242672347	0.524092242
ENSMUSG00000020656	Grhl1	-0.062176853	0.243236139	0.524611232
ENSMUSG00000022538	Lsg1	0.098059009	0.243056167	0.524611232
ENSMUSG00000029843	Slc13a4	-0.059180336	0.243002081	0.524611232
ENSMUSG00000031513	Leprot1	0.109982286	0.243219425	0.524611232
ENSMUSG00000035597	Prpf39	-0.108380887	0.243115106	0.524611232
ENSMUSG00000066151	Fkbp15	-0.11132138	0.243229617	0.524611232
ENSMUSG00000103034	Gm8797	-0.100201349	0.243201335	0.524611232
ENSMUSG00000021037	Ahsa1	0.092985796	0.243370585	0.524810075
ENSMUSG00000007036	Abhd16a	-0.110930372	0.243477685	0.524949891

ENSMUSG00000025198	Erlin1	-0.110665135	0.243539179	0.524982154
ENSMUSG00000038005	Hpf1	0.097828153	0.24357718	0.524982154
ENSMUSG00000025351	Cd63	0.107394343	0.243758416	0.52507912
ENSMUSG00000032336	Nptn	-0.110099746	0.243723418	0.52507912
ENSMUSG00000039481	Nrtn	0.091485846	0.243714849	0.52507912
ENSMUSG00000045132	Olfrc620	0.110362698	0.243791264	0.52507912
ENSMUSG00000005625	Psmc4	0.097204786	0.243967027	0.525093474
ENSMUSG00000026176	Ctdsp1	-0.09355245	0.243902965	0.525093474
ENSMUSG00000102914	Gm35106	0.108005094	0.243949568	0.525093474
ENSMUSG00000113107	Gm3338	0.068462593	0.24395645	0.525093474
ENSMUSG00000022248	Rad1	-0.108768591	0.244116886	0.525109658
ENSMUSG00000024579	Pcyox1l	-0.110676839	0.24414365	0.525109658
ENSMUSG00000032184	Lysmd2	0.089933165	0.244129119	0.525109658
ENSMUSG00000032621	Srek1	0.112283006	0.244093994	0.525109658
ENSMUSG00000025241	Fyco1	-0.082352372	0.244457517	0.525582152
ENSMUSG00000056018	Ccdc7b	0.093957227	0.244490273	0.525582152
ENSMUSG00000068250	Amn1	-0.110176205	0.244428581	0.525582152
ENSMUSG00000113681	Gm45930	0.11207306	0.244610436	0.525749477
ENSMUSG00000092360	Gm20441	-0.020385392	0.244716245	0.525885895
ENSMUSG00000024962	Vegfb	-0.109985804	0.244759955	0.525888843
ENSMUSG00000005949	Ctns	-0.108117142	0.244971335	0.526202718
ENSMUSG00000036810	Cnep1r1	-0.111486489	0.245008099	0.526202718
ENSMUSG00000050697	Prkaa1	0.110834207	0.245033131	0.526202718
ENSMUSG00000017715	Pgs1	-0.106644103	0.245161157	0.526370823
ENSMUSG00000082693	Gm15190	0.109186725	0.245196166	0.526370823
ENSMUSG00000005148	Klf5	-0.096418522	0.245485937	0.526479327
ENSMUSG00000025287	Acot9	0.086471749	0.245359596	0.526479327
ENSMUSG00000038425	Poli	-0.107364552	0.245519491	0.526479327
ENSMUSG00000042590	lpo11	0.111133617	0.245443919	0.526479327
ENSMUSG00000043140	Tmem186	-0.110526796	0.245543414	0.526479327
ENSMUSG00000047534	Mis18bp1	-0.110718227	0.245443271	0.526479327
ENSMUSG00000052298	Cdc42se2	-0.104208503	0.245376991	0.526479327
ENSMUSG00000045328	Cenpe	-0.102960882	0.245800321	0.526939211
ENSMUSG00000036432	Siah2	-0.109221034	0.24596891	0.527209633
ENSMUSG00000020719	Ddx5	0.086053458	0.246084114	0.527281902
ENSMUSG00000030769	Slc5a11	0.098275268	0.246087528	0.527281902
ENSMUSG00000046879	Irgm1	-0.110209808	0.246161218	0.527348824
ENSMUSG00000021241	Isca2	-0.103336945	0.246206673	0.527355248
ENSMUSG00000006585	Cdt1	-0.098775426	0.246253111	0.527363775
ENSMUSG00000028797	Tmem234	0.102398843	0.246398969	0.527403343
ENSMUSG00000039754	Alkbh4	-0.105060801	0.246380488	0.527403343
ENSMUSG00000078154	Gm12184	-0.064156188	0.246384865	0.527403343
ENSMUSG00000090619	Vmn2r60	0.104201164	0.246455613	0.527433696

ENSMUSG00000041926	Rnpep	0.086124393	0.246611854	0.52749541
ENSMUSG00000061136	Prpf40a	0.11132771	0.246598569	0.52749541
ENSMUSG00000062727	Hist1h2bk	0.049149211	0.246576665	0.52749541
ENSMUSG00000027422	Rrbp1	0.116609583	0.246693592	0.527579391
ENSMUSG00000025997	Ikzf2	-0.067223039	0.246752231	0.527613955
ENSMUSG00000010067	Rassf1	-0.107645094	0.247008379	0.527798223
ENSMUSG00000044103	Il1f9	0.102896434	0.246894862	0.527798223
ENSMUSG00000080893	Gm15920	0.110712089	0.246968964	0.527798223
ENSMUSG00000082163	Gm14276	-0.090056724	0.247005069	0.527798223
ENSMUSG00000028423	Nfx1	-0.089348441	0.247227269	0.528084249
ENSMUSG00000060038	Dhps	0.107994839	0.247196733	0.528084249
ENSMUSG00000060950	Trmt61a	-0.099091638	0.24730105	0.528151021
ENSMUSG00000038387	Rras	-0.066965547	0.247359636	0.528185326
ENSMUSG00000036513	Commd2	0.098485679	0.247431353	0.528247652
ENSMUSG00000037060	Cavin3	0.051260911	0.247512863	0.528330859
ENSMUSG00000021716	Srek1ip1	-0.093878528	0.247746304	0.528738289
ENSMUSG00000022906	Parp9	0.111037261	0.247919071	0.528939582
ENSMUSG00000040459	Arglu1	-0.105282367	0.247925791	0.528939582
ENSMUSG00000031755	Bbs2	-0.099308897	0.248014564	0.529007744
ENSMUSG00000071343	Gm10327	0.062014503	0.24804292	0.529007744
ENSMUSG00000022186	Oxct1	0.111288933	0.248370763	0.529616008
ENSMUSG00000000605	Clcn4	-0.107367629	0.248559469	0.529918018
ENSMUSG00000021947	Cryl1	-0.109928743	0.248597721	0.529918018
ENSMUSG00000027187	Cat	-0.092859904	0.248927237	0.529985301
ENSMUSG00000028452	Vcp	-0.110466238	0.248771806	0.529985301
ENSMUSG00000029920	Smarcad1	0.109632586	0.248894386	0.529985301
ENSMUSG00000043257	Pigv	-0.11013251	0.248927964	0.529985301
ENSMUSG00000044068	Zrsr1	0.079593381	0.248852393	0.529985301
ENSMUSG00000048647	Exd1	-0.068980524	0.248809046	0.529985301
ENSMUSG00000095891	Gm10717	-0.033162137	0.248713865	0.529985301
ENSMUSG00000022911	Arl13b	0.109521223	0.249181355	0.530342977
ENSMUSG00000028158	Mttp	-0.099917862	0.249151768	0.530342977
ENSMUSG00000034342	Cbl	-0.046178848	0.249276758	0.530455133
ENSMUSG00000020671	Rab10	-0.093075793	0.249410884	0.530576406
ENSMUSG00000108231	Gm4045	0.094401137	0.24941918	0.530576406
ENSMUSG00000022039	Adam2	0.056953917	0.249482858	0.53062099
ENSMUSG00000023980	Taf8	-0.109747651	0.249540793	0.530653345
ENSMUSG00000073775	Kti12	0.101271071	0.249659987	0.530815936
ENSMUSG00000024665	Fads2	-0.070762916	0.249907297	0.531102535
ENSMUSG00000038022	Mindy4	-0.089744579	0.249944808	0.531102535
ENSMUSG00000040044	Orc3	0.105411455	0.249965818	0.531102535
ENSMUSG00000058756	Thra	0.105991406	0.249960448	0.531102535
ENSMUSG00000003199	Mpnd	-0.094180331	0.250048919	0.531188237

ENSMUSG00000015889	Lta4h	-0.100508549	0.250205788	0.53143059
ENSMUSG00000069515	Lyz1	-0.067551271	0.250413811	0.531781492
ENSMUSG00000039740	Alg2	-0.105660201	0.250461824	0.531792534
ENSMUSG00000021775	Nr1d2	0.096990598	0.250535834	0.531858759
ENSMUSG00000104298	Gm38040	0.110285388	0.250608671	0.531922471
ENSMUSG00000022433	Csnk1e	-0.109700777	0.251019108	0.532161559
ENSMUSG00000022779	Top3b	-0.101606289	0.250971998	0.532161559
ENSMUSG00000024217	Snrpc	0.103971553	0.25102211	0.532161559
ENSMUSG00000033272	Slc35a4	-0.105009398	0.25081265	0.532161559
ENSMUSG00000036975	Tmem177	-0.106602178	0.250902763	0.532161559
ENSMUSG00000051223	Bzw1	0.099405505	0.251064064	0.532161559
ENSMUSG00000055862	Izumo4	-0.101680194	0.250903306	0.532161559
ENSMUSG00000078439	Smim24	-0.105399698	0.25103194	0.532161559
ENSMUSG00000021013	Ttc8	-0.054795092	0.251144169	0.532240526
ENSMUSG00000023795	Pisd-ps2	-0.088726491	0.251289601	0.532371539
ENSMUSG00000051256	Jagn1	0.10464633	0.251311131	0.532371539
ENSMUSG00000052407	Ccdc171	-0.089477648	0.251334571	0.532371539
ENSMUSG00000042572	Ube2q1	-0.107100217	0.251410505	0.532441583
ENSMUSG00000084166	Gm6451	-0.051293415	0.251477896	0.532493512
ENSMUSG00000008690	Ncaph2	-0.097335639	0.25152683	0.532506349
ENSMUSG00000030978	Rrm1	0.092614962	0.251635004	0.532644578
ENSMUSG00000000441	Raf1	-0.108457534	0.251774004	0.532757223
ENSMUSG00000032998	Foxj3	-0.055547701	0.251760072	0.532757223
ENSMUSG00000027858	Tspan2	0.10422488	0.251889889	0.532911652
ENSMUSG00000030401	Rtn2	0.076871748	0.251955063	0.53295876
ENSMUSG00000026181	Ppm1f	0.108064413	0.252009305	0.532982732
ENSMUSG00000031314	Taf1	0.108996672	0.252496115	0.533417818
ENSMUSG00000034848	Ttc21b	-0.101542511	0.252515641	0.533417818
ENSMUSG00000034917	Tjp3	-0.100091043	0.252483092	0.533417818
ENSMUSG00000036923	Stox1	-0.080907948	0.252461094	0.533417818
ENSMUSG00000042202	Slc35e2	-0.099284592	0.252422551	0.533417818
ENSMUSG00000060261	Gtf2i	-0.104545458	0.252483698	0.533417818
ENSMUSG00000072680	Tmem254c	0.092779799	0.252310228	0.533417818
ENSMUSG00000045934	Mtmr11	-0.053930087	0.252655673	0.533559949
ENSMUSG00000046605	B3gnt1	-0.106478925	0.252668837	0.533559949
ENSMUSG00000002365	Snx9	-0.109220656	0.252812447	0.533718217
ENSMUSG00000079685	Ulbp1	-0.065426534	0.252829723	0.533718217
ENSMUSG00000028345	Tex10	-0.094071858	0.25304476	0.534081388
ENSMUSG00000021068	Nin	0.093237967	0.253257946	0.534440529
ENSMUSG00000049940	Pgrmc2	-0.108779028	0.253307658	0.534454633
ENSMUSG00000026098	Pms1	-0.108615343	0.253817238	0.535425394
ENSMUSG00000031197	Vbp1	0.094226294	0.253864447	0.535425394
ENSMUSG00000032806	Slc10a3	-0.102018708	0.253897075	0.535425394

ENSMUSG00000093954	Gm16867	0.104745505	0.254039936	0.535635723
ENSMUSG00000038344	Txlng	0.108669598	0.254103537	0.535678892
ENSMUSG00000027435	Cd93	-0.107502565	0.254424402	0.536123283
ENSMUSG00000030204	Ddx47	0.106962507	0.254443825	0.536123283
ENSMUSG00000066543	Rpl17-ps9	0.067703827	0.254395958	0.536123283
ENSMUSG00000074553	Eif1-ps1	0.045959829	0.254495074	0.536140318
ENSMUSG00000025958	Creb1	0.108936646	0.254704472	0.536446972
ENSMUSG00000031987	Egln1	-0.106407349	0.254727014	0.536446972
ENSMUSG00000042505	Sdhaf3	0.109217983	0.254805468	0.536521226
ENSMUSG00000024169	lft140	-0.065282572	0.254916655	0.536664367
ENSMUSG00000020185	E2f7	-0.088845142	0.255233652	0.537020067
ENSMUSG00000038369	Ncoa6	0.084184541	0.255258552	0.537020067
ENSMUSG00000040025	Ythdf2	0.092830255	0.255173461	0.537020067
ENSMUSG00000041390	Mdfic	-0.108422408	0.25520474	0.537020067
ENSMUSG00000002910	Arrdc2	-0.072322781	0.255473884	0.537199014
ENSMUSG00000024101	Washc1	-0.079163635	0.255638804	0.537199014
ENSMUSG00000024354	Slc23a1	0.054526781	0.25565625	0.537199014
ENSMUSG00000028917	Plekhm2	-0.069733485	0.255606519	0.537199014
ENSMUSG00000040710	St8sia4	0.109946687	0.255511247	0.537199014
ENSMUSG00000079481	Nhsl2	-0.091133027	0.255472907	0.537199014
ENSMUSG00000085442	Gm3362	0.067470579	0.255689604	0.537199014
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ENSMUSG00000052512	Nav2	0.076393639	0.255786319	0.537311325
ENSMUSG00000020186	Csrp2	0.102212925	0.255842506	0.537338479
ENSMUSG00000028708	Mknk1	-0.109634333	0.255904437	0.537377686
ENSMUSG00000046865	Fbl	0.098498064	0.255997377	0.537391147
ENSMUSG00000116562	Gm46542	0.108240188	0.255987042	0.537391147
ENSMUSG00000067825	Pex26	-0.079647789	0.256058184	0.537427967
ENSMUSG00000003949	Hlf	0.075961882	0.256228454	0.537512856
ENSMUSG00000030319	Cand2	-0.081785431	0.256206682	0.537512856
ENSMUSG00000036898	Zfp157	-0.106614057	0.25615505	0.537512856
ENSMUSG00000038543	BC028528	-0.107606491	0.256317365	0.537608577
ENSMUSG00000003444	Med29	0.101342832	0.256502294	0.53781482
ENSMUSG00000022215	Fitm1	-0.072271367	0.256501901	0.53781482
ENSMUSG00000025813	Homer2	-0.052518994	0.256545964	0.537815599
ENSMUSG00000028437	Ubap1	-0.107227995	0.256769609	0.538193607
ENSMUSG00000024759	Atl3	0.103399239	0.256882114	0.538338575
ENSMUSG00000035248	Tut7	0.108294743	0.25716286	0.538836014
ENSMUSG00000040370	Etfrf1	0.108950721	0.257367567	0.539173984
ENSMUSG00000069439	Gm8444	0.069912077	0.257619727	0.539520255
ENSMUSG00000093661	Eif4e3	-0.104364874	0.257594156	0.539520255
ENSMUSG00000034160	Ogt	-0.106670721	0.257930893	0.539898825
ENSMUSG00000040327	Cul9	-0.088782633	0.257901724	0.539898825

ENSMUSG00000105370	Gm42718	0.051968232	0.257891495	0.539898825
ENSMUSG00000028381	Ugcg	-0.070289226	0.258008544	0.539970367
ENSMUSG00000034173	Zbed5	-0.079891383	0.258337588	0.540567922
ENSMUSG00000026457	Adipor1	-0.103356102	0.258458145	0.540638029
ENSMUSG00000034088	Hdlbp	0.102182767	0.25843897	0.540638029
ENSMUSG00000027455	Nsfl1c	0.099279896	0.259039596	0.541763061
ENSMUSG00000051335	Gfod1	0.069899345	0.25908848	0.541774075
ENSMUSG00000078453	Abrac1	0.093667273	0.259153823	0.541819497
ENSMUSG00000027776	Il12a	-0.106536756	0.25926215	0.541954758
ENSMUSG00000016239	Lonrf3	0.083151159	0.259570542	0.542407954
ENSMUSG00000022552	Sharpin	-0.092909003	0.259570461	0.542407954
ENSMUSG00000081272	Gm13509	0.027157084	0.259609958	0.542407954
ENSMUSG00000005732	Ranbp1	0.107681378	0.259879402	0.542555936
ENSMUSG00000016664	Pacsin2	-0.103726695	0.259847672	0.542555936
ENSMUSG00000021597	Slf1	0.107236534	0.259899188	0.542555936
ENSMUSG00000048486	Fitm2	0.106019702	0.259746381	0.542555936
ENSMUSG00000074643	Cpne1	-0.108075204	0.259798894	0.542555936
ENSMUSG00000036840	Siah1a	-0.10723155	0.260073012	0.542580654
ENSMUSG00000040121	Rep15	-0.106678248	0.260114907	0.542580654
ENSMUSG00000042524	Sun2	-0.088231032	0.260099912	0.542580654
ENSMUSG00000043557	Mdga1	-0.04885736	0.260129441	0.542580654
ENSMUSG00000053870	Fpgt	-0.082781779	0.260107346	0.542580654
ENSMUSG00000030042	Pole4	0.100090542	0.260305407	0.542856524
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ENSMUSG00000082241	Gng5-ps	0.099543362	0.260672101	0.543438767
ENSMUSG00000028800	Hdac1	0.081301665	0.26088475	0.543790817
ENSMUSG00000007610	Gtpbp3	-0.106051851	0.260971628	0.543880636
ENSMUSG00000021794	Glud1	-0.09685015	0.261020037	0.543890268
ENSMUSG00000040128	Pnrc1	-0.103825723	0.261217074	0.544188034
ENSMUSG00000078812	Eif5a	0.112159149	0.261250564	0.544188034
ENSMUSG00000022897	Dyrk1a	-0.095669517	0.261377955	0.5443073
ENSMUSG00000026554	Dcaf8	-0.089773971	0.261395463	0.5443073
ENSMUSG00000024212	Mllt1	-0.084395852	0.261613922	0.544670889
ENSMUSG00000034007	Scaper	-0.094387666	0.2616623	0.544680313
ENSMUSG00000033953	Ppp3r1	0.050181827	0.261773511	0.544729231
ENSMUSG00000036826	Igflr1	-0.03355421	0.261748049	0.544729231
ENSMUSG00000044018	Mrpl50	0.098002627	0.262086215	0.545288589
ENSMUSG00000058690	Ccser2	0.106576324	0.262164229	0.545359553
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ENSMUSG00000040466	Blvrb	-0.105329453	0.262552846	0.545710994
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ENSMUSG00000074649	BC029722	-0.105221869	0.262789889	0.546020945
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ENSMUSG00000026883	Dab2ip	-0.093612434	0.262906058	0.546149976
ENSMUSG00000015290	Ubl4a	0.103445057	0.263028991	0.546243622
ENSMUSG00000020034	Tcp11l2	-0.106331856	0.263120475	0.546261956
ENSMUSG00000039917	Rhbdd2	-0.101344707	0.263125778	0.546261956
ENSMUSG00000028670	Lypla2	-0.105750365	0.263239439	0.546406596
ENSMUSG00000016253	Nelfcd	-0.104992758	0.263336229	0.546516174
ENSMUSG00000023938	Aars2	-0.102693382	0.26346096	0.546594114
ENSMUSG00000030707	Coro1a	-0.095732858	0.263461795	0.546594114
ENSMUSG00000113113	Gm2614	0.057727486	0.263608877	0.546807926
ENSMUSG00000037772	Mrpl23	-0.102664206	0.263783432	0.547078646
ENSMUSG00000013465	Nelfb	-0.106009622	0.263842922	0.547110673
ENSMUSG00000004451	Ralb	-0.089626757	0.263938419	0.547217343
ENSMUSG00000031821	Gins2	0.096173756	0.264014705	0.547284153
ENSMUSG00000026173	Plcd4	0.040615436	0.264149984	0.54747321
ENSMUSG00000025869	Nop16	0.104739328	0.264453963	0.547938584
ENSMUSG00000036737	Oxsr1	0.105511894	0.264462749	0.547938584
ENSMUSG00000017386	Traf4	-0.083686636	0.26482213	0.548134591
ENSMUSG00000021629	Slc30a5	-0.084788309	0.264777696	0.548134591
ENSMUSG00000035376	Hacd2	0.104753612	0.26472756	0.548134591
ENSMUSG00000036550	Cnot1	0.098633784	0.264745434	0.548134591
ENSMUSG00000037001	Zfp39	-0.098081144	0.264627227	0.548134591
ENSMUSG00000042772	Smg7	-0.105733187	0.264795562	0.548134591
ENSMUSG00000035382	Pcsk7	-0.093314611	0.26490699	0.548218881
ENSMUSG00000006941	Eif1b	0.090111822	0.265333684	0.548644863
ENSMUSG00000033222	Ttf2	-0.10417533	0.26518051	0.548644863
ENSMUSG00000060152	Pop5	0.093316633	0.265232713	0.548644863
ENSMUSG00000066861	Oas1g	0.066624773	0.265303701	0.548644863
ENSMUSG00000091449	Gm10269	0.09019172	0.265256518	0.548644863
ENSMUSG00000018697	Aatf	0.103867708	0.265570712	0.549033748
ENSMUSG00000018932	Map2k3	-0.099013137	0.26561016	0.549033748
ENSMUSG00000026806	Ddx31	-0.105750927	0.265679092	0.54908486
ENSMUSG00000039826	Trub2	0.099169164	0.265724646	0.549087644
ENSMUSG00000024866	Acy3	0.088578424	0.265795082	0.549141836
ENSMUSG00000035842	Ddx11	-0.085897069	0.26601697	0.549508862
ENSMUSG00000042203	Tbc1d22b	-0.090378597	0.266202557	0.549800791
ENSMUSG00000100621	Gm28374	-0.05332831	0.266258254	0.549824401
ENSMUSG00000003119	Cdk12	0.092005397	0.266552071	0.550085731
ENSMUSG00000006423	C330007P06Rik	0.104273255	0.266641032	0.550085731
ENSMUSG00000022025	Cnmd	0.080271518	0.266683312	0.550085731
ENSMUSG00000024403	Atp6v1g2	-0.100049842	0.2667391	0.550085731

ENSMUSG00000025268	Maged2	0.104193854	0.266726445	0.550085731
ENSMUSG00000025395	Prim1	-0.099124455	0.266661651	0.550085731
ENSMUSG00000031337	Mtm1	-0.101636706	0.266540412	0.550085731
ENSMUSG00000038506	Dcun1d2	-0.105691578	0.266705361	0.550085731
ENSMUSG00000034485	Uaca	0.046233512	0.266784665	0.550088367
ENSMUSG00000071419	Rps15-ps2	0.059892797	0.266887691	0.550209461
ENSMUSG00000010517	Faf1	-0.104155477	0.267140675	0.550274348
ENSMUSG00000031077	Fadd	-0.091285816	0.267067598	0.550274348
ENSMUSG00000052914	Cyp2j6	0.103686873	0.267015748	0.550274348
ENSMUSG00000053964	Lgals4	-0.094071985	0.267139969	0.550274348
ENSMUSG00000075054	Yae1d1	-0.104407825	0.267130409	0.550274348
ENSMUSG00000091931	Gon7	-0.098190154	0.267336163	0.55058572
ENSMUSG00000083844	Ube2d-ps	0.098333294	0.26743866	0.550705504
ENSMUSG00000024099	Ndufv2	0.104824058	0.267860524	0.551436547
ENSMUSG00000024120	Lrp1	-0.104666306	0.267882467	0.551436547
ENSMUSG00000039781	Cep131	-0.097211522	0.268054267	0.551607364
ENSMUSG00000066878	Gm10184	0.106277236	0.268048821	0.551607364
ENSMUSG00000024472	Dcp2	0.099502321	0.268342802	0.552109648
ENSMUSG00000023947	Nfkbie	-0.101848527	0.268509598	0.552361331
ENSMUSG00000045362	Tnfrsf26	0.099947259	0.268564365	0.552382511
ENSMUSG00000057137	Tmem140	-0.033088173	0.268643921	0.552454659
ENSMUSG00000080268	Brms1	0.08893689	0.268856505	0.552800306
ENSMUSG00000022443	Myh9	-0.088711952	0.269041133	0.552996841
ENSMUSG00000054931	Zkscan4	-0.057290836	0.26901451	0.552996841
ENSMUSG00000019832	Rab32	-0.085832384	0.269270968	0.553217654
ENSMUSG00000022414	Tab1	-0.102458781	0.269326717	0.553217654
ENSMUSG00000047604	Frat2	-0.101170518	0.269206097	0.553217654
ENSMUSG00000082360	Gm8814	0.081713584	0.269322546	0.553217654
ENSMUSG00000025868	Higd2a	0.080773572	0.269427567	0.553333303
ENSMUSG00000042298	Ttc19	-0.104174616	0.269619024	0.553634965
ENSMUSG00000042271	Nxt2	-0.097070837	0.269905909	0.554132445
ENSMUSG00000026319	Relch	0.099596365	0.27002793	0.554275829
ENSMUSG00000039795	Zfand1	0.103691771	0.270064996	0.554275829
ENSMUSG00000028212	Ccne2	-0.098427776	0.270119537	0.554296179
ENSMUSG00000007415	Gatad1	-0.103002166	0.271268926	0.554736787
ENSMUSG00000013974	Mcomp1	0.089217828	0.270642768	0.554736787
ENSMUSG00000017718	Afmid	-0.070707538	0.270911799	0.554736787
ENSMUSG00000019868	Vta1	0.097620041	0.271338879	0.554736787
ENSMUSG00000023007	Prpf40b	-0.072408798	0.271322628	0.554736787
ENSMUSG00000025609	Mkln1	-0.104670232	0.270511359	0.554736787
ENSMUSG00000026705	Klhl20	-0.087592801	0.271406123	0.554736787
ENSMUSG00000027765	P2ry1	-0.099970051	0.27050208	0.554736787
ENSMUSG00000027983	Cyp2u1	0.081672108	0.271227281	0.554736787

ENSMUSG00000031753	Cog4	-0.102965339	0.271083857	0.554736787
ENSMUSG00000032410	Xrn1	-0.104493319	0.270978638	0.554736787
ENSMUSG00000032913	Lrig2	-0.083280933	0.270812535	0.554736787
ENSMUSG00000033313	Fbxl8	-0.096620904	0.271227411	0.554736787
ENSMUSG00000034333	Zbed4	0.104619909	0.270966284	0.554736787
ENSMUSG00000037096	Gm9762	-0.095741894	0.270956083	0.554736787
ENSMUSG00000040363	Bcor	-0.104526916	0.27080499	0.554736787
ENSMUSG00000040432	Ltb4r2	-0.057718242	0.270911147	0.554736787
ENSMUSG00000047617	Paxx	0.104155037	0.271306437	0.554736787
ENSMUSG00000051212	Gpr183	-0.091443528	0.270802659	0.554736787
ENSMUSG00000052752	Traf7	-0.104361701	0.271402341	0.554736787
ENSMUSG00000056629	Fkbp2	0.093975128	0.271143089	0.554736787
ENSMUSG00000062115	Rai1	0.094183436	0.27137842	0.554736787
ENSMUSG00000079610	Ankrd39	0.10013595	0.271379376	0.554736787
ENSMUSG00000081953	Gm12435	0.071369991	0.270897563	0.554736787
ENSMUSG00000001247	Lsr	-0.050886335	0.271577519	0.554748238
ENSMUSG00000012396	Nanog	-0.096319475	0.271488731	0.554748238
ENSMUSG00000031534	Smim19	-0.104248032	0.271590374	0.554748238
ENSMUSG00000076609	Igkc	-0.013159184	0.271551354	0.554748238
ENSMUSG00000034487	Kdelc2	-0.096066466	0.271780145	0.555044588
ENSMUSG00000028961	Pgd	0.095977328	0.271929524	0.555167097
ENSMUSG00000038775	Vill	-0.103728839	0.271913181	0.555167097
ENSMUSG00000024180	Tmem8	-0.090240396	0.272209817	0.55564801
ENSMUSG00000026799	Med27	0.097271908	0.272313978	0.555769293
ENSMUSG00000016194	Hsd11b1	0.101747242	0.272477382	0.556011427
ENSMUSG00000002274	Metrn	0.10274593	0.272731381	0.556438318
ENSMUSG00000053411	Cbx7	-0.056259345	0.272812015	0.55651142
ENSMUSG00000017686	Rhot1	-0.102346398	0.272892405	0.55658314
ENSMUSG00000027763	Mbnl1	-0.101358472	0.272952826	0.55658314
ENSMUSG00000029156	Sgcb	-0.102857666	0.273026413	0.55658314
ENSMUSG00000063808	Gpatch1	-0.102907627	0.27298442	0.55658314
ENSMUSG00000026632	Tatdn3	0.096933251	0.273082593	0.556606316
ENSMUSG00000042647	Acad12	-0.067408703	0.273141524	0.55663509
ENSMUSG00000026425	Srgap2	0.104194234	0.27348566	0.556978875
ENSMUSG00000027597	Ahcy	-0.103344671	0.273668954	0.556978875
ENSMUSG00000038383	Pigu	0.103960168	0.273557394	0.556978875
ENSMUSG00000039234	Sec24d	-0.092159154	0.273570481	0.556978875
ENSMUSG00000044876	Zfp444	-0.094651344	0.273623056	0.556978875
ENSMUSG00000050395	Tnfsf15	-0.054653042	0.273558751	0.556978875
ENSMUSG00000054737	Zfp182	-0.097935783	0.273419285	0.556978875
ENSMUSG00000083716	Gm13436	0.04445349	0.273628109	0.556978875
ENSMUSG00000035770	Dync1li2	0.103479588	0.273835359	0.557226244
ENSMUSG00000058006	Mdn1	0.087154132	0.274052378	0.557576509

ENSMUSG00000031805	Jak3	0.103748621	0.274135743	0.557654777
ENSMUSG00000002111	Spi1	-0.093901586	0.274310975	0.557919865
ENSMUSG00000053333	Dis3l2	-0.102451399	0.274420977	0.558052219
ENSMUSG00000020125	Elane	-0.10099945	0.27468363	0.558162906
ENSMUSG00000034303	Ccdc15	-0.103617315	0.274588348	0.558162906
ENSMUSG00000045576	St7l	-0.103029986	0.27455941	0.558162906
ENSMUSG00000068220	Lgals1	-0.10113742	0.274700092	0.558162906
ENSMUSG00000078566	Bnip3	0.10192669	0.274624401	0.558162906
ENSMUSG00000037710	Cisd1	-0.085740146	0.274754481	0.558182107
ENSMUSG00000026669	Mcm10	-0.10318286	0.275040326	0.558405725
ENSMUSG00000027163	Commd9	0.101034978	0.275176796	0.558405725
ENSMUSG00000027804	Ppid	0.102577107	0.275224205	0.558405725
ENSMUSG00000028809	Srrm1	0.099049379	0.274911514	0.558405725
ENSMUSG00000029545	Acads	-0.082071935	0.275142358	0.558405725
ENSMUSG00000057841	Rpl32	0.093292975	0.27508357	0.558405725
ENSMUSG00000062861	Zfp28	0.069032485	0.275049424	0.558405725
ENSMUSG00000066571	4931406P16Rik	0.038236609	0.275206937	0.558405725
ENSMUSG00000006304	Arpc2	-0.102966366	0.275542726	0.558796243
ENSMUSG00000027030	Stk39	-0.065505956	0.275779705	0.558796243
ENSMUSG00000027465	Tbc1d20	0.099330805	0.275717607	0.558796243
ENSMUSG00000031168	Ebp	0.093592479	0.275735788	0.558796243
ENSMUSG00000034108	Ccs	0.101574444	0.275852616	0.558796243
ENSMUSG00000036053	Fmnl2	0.053053787	0.27577223	0.558796243
ENSMUSG00000039254	Pomt1	-0.10294021	0.275662209	0.558796243
ENSMUSG00000066148	Prpf4	-0.093234226	0.275866561	0.558796243
ENSMUSG00000067529	Olf1423	-0.051569029	0.275769881	0.558796243
ENSMUSG00000102976	Zc3h11a	-0.095551188	0.27550719	0.558796243
ENSMUSG00000002297	Dbf4	0.096777321	0.275934197	0.558842111
ENSMUSG00000026404	Ddx59	-0.092059422	0.27602668	0.558938277
ENSMUSG00000073682	Gm10563	-0.059039334	0.276386399	0.559575462
ENSMUSG00000005656	Snx6	0.099310526	0.276478243	0.559626931
ENSMUSG00000044937	Ttc41	-0.052667411	0.27650193	0.559626931
ENSMUSG00000006215	Zbtb17	-0.099542554	0.277068561	0.559742022
ENSMUSG00000010936	Vac14	-0.102832621	0.276729567	0.559742022
ENSMUSG00000019718	L3hpdh	0.053700907	0.276629816	0.559742022
ENSMUSG00000022346	Myc	-0.102871846	0.277099565	0.559742022
ENSMUSG00000026991	Pkp4	0.077345265	0.276689868	0.559742022
ENSMUSG00000027660	Skil	-0.058242457	0.276908318	0.559742022
ENSMUSG00000029176	Anapc4	0.095069632	0.276916229	0.559742022
ENSMUSG00000032264	Zw10	-0.101051888	0.277075153	0.559742022
ENSMUSG00000034614	Pik3ip1	-0.09865012	0.276858055	0.559742022
ENSMUSG00000034761	Map4k5	-0.100816199	0.277032911	0.559742022
ENSMUSG00000054099	Slc25a40	0.074918706	0.276841574	0.559742022

ENSMUSG00000093930	Hmgcs1	-0.092261347	0.276931507	0.559742022
ENSMUSG00000024379	Tslp	0.10281795	0.277374164	0.56004931
ENSMUSG00000045327	6330549D23Rik	0.059273447	0.277386954	0.56004931
ENSMUSG00000059316	Slc27a4	-0.09069707	0.277334104	0.56004931
ENSMUSG00000061286	Exosc5	0.095548449	0.277474095	0.5601342
ENSMUSG00000020635	Fkbp1b	-0.10242835	0.27783524	0.560498865
ENSMUSG00000023008	Fmnl3	-0.094554994	0.277790757	0.560498865
ENSMUSG00000029918	Mrps33	0.101467028	0.277768603	0.560498865
ENSMUSG00000038013	Wipf2	0.075329271	0.277800369	0.560498865
ENSMUSG00000114172	Gm36298	-0.067517011	0.277882817	0.56050381
ENSMUSG00000007827	Ankrd26	-0.102304455	0.278221121	0.560529069
ENSMUSG00000018654	Ikzf1	-0.070138622	0.278063878	0.560529069
ENSMUSG00000025969	Nrp2	0.074257636	0.27803324	0.560529069
ENSMUSG00000027198	Ext2	-0.099745711	0.278079827	0.560529069
ENSMUSG00000039361	Picalm	0.071882031	0.278034096	0.560529069
ENSMUSG00000040813	Tex264	-0.090656191	0.27825636	0.560529069
ENSMUSG00000044134	Pheta1	-0.087219342	0.278251119	0.560529069
ENSMUSG00000046410	Kcnk6	-0.081652613	0.27824241	0.560529069
ENSMUSG00000024330	Col11a2	-0.053135719	0.278399827	0.560727137
ENSMUSG00000037514	Pank2	0.083411382	0.27848581	0.560793205
ENSMUSG00000039199	Zdhhc1	-0.073587254	0.278522928	0.560793205
ENSMUSG00000009470	Tnpo1	-0.091559619	0.278595044	0.560847494
ENSMUSG00000022561	Gpaa1	-0.08186693	0.278838822	0.561156353
ENSMUSG00000067365	Tmem128	0.10230421	0.27880205	0.561156353
ENSMUSG00000037845	Fdxacb1	-0.102296254	0.278925475	0.561239806
ENSMUSG00000056220	Pla2g4a	0.100960343	0.278992409	0.561283562
ENSMUSG00000022122	Ednrb	0.056492776	0.279072824	0.561354421
ENSMUSG00000037318	Traf3ip3	-0.093284532	0.279263817	0.561647647
ENSMUSG00000022247	Brix1	0.102636136	0.279523856	0.561820529
ENSMUSG00000028911	Srsf4	-0.084260615	0.279546982	0.561820529
ENSMUSG00000030008	Pradc1	-0.100645769	0.279481911	0.561820529
ENSMUSG00000031488	Rab11fip1	-0.087770341	0.279575935	0.561820529
ENSMUSG00000094441	Zfp955a	-0.101668521	0.279463859	0.561820529
ENSMUSG00000030921	Trim30a	-0.094519802	0.279696042	0.561921804
ENSMUSG00000036138	Acaa1a	0.100999425	0.279762051	0.561921804
ENSMUSG00000036376	Abt1	0.09562053	0.279749692	0.561921804
ENSMUSG00000053158	Fes	-0.095461818	0.2800288	0.56236665
ENSMUSG00000019303	Psmc3ip	0.096768269	0.280178285	0.562505021
ENSMUSG00000023191	P3h3	-0.090518596	0.280188275	0.562505021
ENSMUSG00000040667	Nup88	0.080991535	0.280380147	0.562766166
ENSMUSG00000116207	Nnt	-0.094063873	0.280408969	0.562766166
ENSMUSG00000024968	Rcor2	0.035870105	0.280512999	0.562816792
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ENSMUSG00000020877	Scrn2	0.093492561	0.280746834	0.563171257
ENSMUSG00000044055	Otos	0.093435839	0.280988729	0.563501544
ENSMUSG00000046223	Plaur	-0.095264591	0.281002219	0.563501544
ENSMUSG00000032221	Mns1	0.093766572	0.281509081	0.564344275
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ENSMUSG00000053830	Gm9923	0.078006711	0.281604204	0.564344275
ENSMUSG00000055240	Zfp101	-0.10060454	0.281584803	0.564344275
ENSMUSG00000048334	Gm8258	0.021450563	0.281773203	0.564500798
ENSMUSG00000049339	Retreg2	-0.101655599	0.281766894	0.564500798
ENSMUSG00000029131	Dnajb6	0.096180729	0.281964256	0.564613702
ENSMUSG00000039842	Mcph1	-0.101351739	0.281965928	0.564613702
ENSMUSG00000048164	Gm7204	0.068049595	0.281940999	0.564613702
ENSMUSG00000017499	Cdc6	-0.090883766	0.282196171	0.564664481
ENSMUSG00000028850	Gpatch3	-0.101667762	0.282066939	0.564664481
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ENSMUSG00000041747	Utp15	0.095975743	0.282091947	0.564664481
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ENSMUSG00000049907	Rasl11b	0.049845253	0.282448012	0.564941507
ENSMUSG00000094936	Rbm4	-0.100962482	0.28240502	0.564941507
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ENSMUSG00000025237	Parp6	-0.093500183	0.282847506	0.565467387
ENSMUSG00000049411	Tmem241	-0.100616253	0.283050825	0.565782797
ENSMUSG00000007670	Khsrp	-0.092048259	0.283231244	0.565880998
ENSMUSG00000028032	Papss1	-0.10198164	0.283179105	0.565880998
ENSMUSG00000035967	Ints6l	-0.088689642	0.28324549	0.565880998
ENSMUSG00000048997	Atxn7l2	-0.093402194	0.283282187	0.565880998
ENSMUSG00000037971	1110032A03Rik	-0.098131393	0.283410205	0.566045692
ENSMUSG00000024939	Fam89b	-0.098762452	0.283634092	0.566203476
ENSMUSG00000031953	Tmem170	-0.059333224	0.283559247	0.566203476
ENSMUSG00000032267	Usp28	-0.070682321	0.283671543	0.566203476
ENSMUSG00000052534	Pbx1	0.041359157	0.283615655	0.566203476
ENSMUSG00000078193	Gm2000	0.086143149	0.283812045	0.5663929
ENSMUSG00000025157	Zdhhc16	0.093268565	0.283978453	0.566451962
ENSMUSG00000030924	Rexo5	-0.100433137	0.28394839	0.566451962
ENSMUSG00000030982	Vps35l	-0.101185355	0.283902927	0.566451962
ENSMUSG00000035152	Ap2b1	-0.099519514	0.284088013	0.566492621
ENSMUSG00000049957	Ccdc137	0.098064652	0.284090052	0.566492621
ENSMUSG00000022718	Dgcr8	-0.085966477	0.284730692	0.567415961
ENSMUSG00000024163	Mapk8ip3	-0.09042039	0.28465587	0.567415961
ENSMUSG00000025855	Prkar1b	-0.075530643	0.284735825	0.567415961
ENSMUSG00000046572	Zfp518b	0.041568781	0.284627898	0.567415961
ENSMUSG00000024335	Brd2	0.088691609	0.285035422	0.567921877

ENSMUSG00000022641	Bbx	-0.100072205	0.285107314	0.567974009
ENSMUSG00000021326	Trim27	0.086158593	0.285385015	0.568177789
ENSMUSG00000025384	Faap100	-0.099659155	0.285274204	0.568177789
ENSMUSG00000027932	Slc27a3	-0.058709259	0.285392579	0.568177789
ENSMUSG00000029635	Cdk8	0.096074408	0.285323277	0.568177789
ENSMUSG00000025792	Slc25a10	-0.091463897	0.28548992	0.568257451
ENSMUSG00000036790	Slitrk2	0.078825196	0.285554577	0.568257451
ENSMUSG00000042489	Clspn	0.101810957	0.285615592	0.568257451
ENSMUSG00000068479	Mfap1a	0.100854422	0.285603538	0.568257451
ENSMUSG00000014633	Cmc2	0.084773307	0.285767312	0.568413428
ENSMUSG00000029992	Gfpt1	-0.100188812	0.285849767	0.568413428
ENSMUSG00000054364	Rhob	-0.100116061	0.285791196	0.568413428
ENSMUSG00000059839	Zfp874b	-0.063269642	0.285920293	0.568413428
ENSMUSG00000116393	LT629153.4	0.052472063	0.2859228	0.568413428
ENSMUSG00000000085	Scmh1	-0.09196731	0.286234888	0.568512065
ENSMUSG00000024740	Ddb1	-0.099498199	0.286225799	0.568512065
ENSMUSG00000030279	C2cd5	-0.096514437	0.2860489	0.568512065
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ENSMUSG00000069300	Hist1h2bj	0.093827393	0.286157965	0.568512065
ENSMUSG00000112129	Pbld1	-0.080950749	0.286174861	0.568512065
ENSMUSG00000035722	Abca7	-0.100591517	0.286431181	0.568786841
ENSMUSG00000056770	Setd3	-0.100531951	0.286487865	0.568808466
ENSMUSG00000030058	Copg1	-0.098015329	0.286681988	0.568996475
ENSMUSG00000058360	Gm10040	0.056798732	0.286719985	0.568996475
ENSMUSG00000115662	Gm7232	0.055444632	0.286657103	0.568996475
ENSMUSG00000027566	PsmA7	0.094467735	0.28685381	0.569080207
ENSMUSG00000036775	Decr2	-0.098055557	0.286832553	0.569080207
ENSMUSG00000022789	Dnm1l	0.100924982	0.286992596	0.569264618
ENSMUSG00000021552	Gkap1	-0.07539353	0.287156266	0.56949832
ENSMUSG00000035164	Zc3h12c	0.059519124	0.287310296	0.569621898
ENSMUSG00000050761	Gp1bb	0.060790817	0.287276407	0.569621898
ENSMUSG00000029650	Slc46a3	0.079677271	0.287405761	0.56972023
ENSMUSG00000035824	Tk2	-0.100152475	0.287599296	0.570012902
ENSMUSG00000019810	Fuca2	0.077878363	0.287733489	0.570158518
ENSMUSG00000021958	Pinx1	0.091613981	0.287810475	0.570158518
ENSMUSG00000022964	Tmem50b	-0.093327442	0.287774222	0.570158518
ENSMUSG00000083915	Gm13932	0.052837982	0.287883347	0.570211937
ENSMUSG00000032119	Hinfp	-0.097252743	0.287939536	0.570232299
ENSMUSG00000038217	Tlcd2	-0.096299403	0.288107722	0.570383489
ENSMUSG00000096210	H1f0	-0.099993659	0.288086273	0.570383489
ENSMUSG00000033157	Abhd10	0.099484133	0.288273439	0.570620618
ENSMUSG00000005469	Prkaca	-0.099859335	0.288339966	0.570661364
ENSMUSG00000023940	Sgo1	0.100092872	0.288422761	0.570734287

ENSMUSG00000023031	Cela1	0.08765682	0.288488938	0.570774307
ENSMUSG00000029103	Lrpap1	-0.096480955	0.288551229	0.570806628
ENSMUSG00000021012	Zc3h14	-0.079326981	0.288878076	0.571019913
ENSMUSG00000022369	Mtbp	-0.099145921	0.288825979	0.571019913
ENSMUSG00000027371	Fahd2a	-0.099871672	0.288719672	0.571019913
ENSMUSG00000028689	Ccdc163	-0.099187095	0.289026825	0.571019913
ENSMUSG00000040747	Cd53	-0.079392398	0.28888189	0.571019913
ENSMUSG00000064120	Mocs1	-0.098384456	0.28898704	0.571019913
ENSMUSG00000081251	Gm12164	0.091945013	0.28890222	0.571019913
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ENSMUSG00000005951	Shpk	-0.087911755	0.289093489	0.571060786
ENSMUSG00000026127	Imp4	0.089890299	0.289249104	0.571277328
ENSMUSG00000017286	Glod4	0.087033921	0.289456598	0.571333168
ENSMUSG00000025228	Actr1a	-0.098706799	0.289400316	0.571333168
ENSMUSG00000026833	Olfm1	-0.068708309	0.289335783	0.571333168
ENSMUSG00000036499	Eea1	0.09999608	0.289461366	0.571333168
ENSMUSG00000083798	Gm14584	-0.073552987	0.289543519	0.57140452
ENSMUSG00000019794	Katna1	0.092518842	0.289680542	0.571466891
ENSMUSG00000029147	Ppm1g	0.100251846	0.289713148	0.571466891
ENSMUSG00000053604	Rpia	0.064154367	0.289669823	0.571466891
ENSMUSG00000032599	Ip6k2	-0.095568058	0.289853568	0.571653092
ENSMUSG00000029178	Klf3	-0.099512545	0.290010346	0.571738659
ENSMUSG00000030424	Zfp939	-0.0614302	0.29005221	0.571738659
ENSMUSG00000040859	Bsdc1	-0.073773869	0.290080835	0.571738659
ENSMUSG00000078963	Hsbp1l1	-0.06079368	0.290081075	0.571738659
ENSMUSG00000020076	Ddx50	0.096699861	0.290127135	0.571738718
ENSMUSG00000078945	Naip2	0.09795057	0.290181093	0.571754339
ENSMUSG00000025626	Phf6	-0.095627294	0.290336247	0.571878611
ENSMUSG00000047603	Zfp235	-0.09563368	0.290334553	0.571878611
ENSMUSG00000031146	Plp2	0.098780536	0.290505874	0.572122001
ENSMUSG00000001313	Rnd2	0.089557319	0.290639801	0.572218833
ENSMUSG00000113423	Gm3791	-0.066832221	0.290647179	0.572218833
ENSMUSG00000030243	Recql	-0.099222063	0.290693571	0.572219468
ENSMUSG00000000127	Fer	0.082073953	0.290828457	0.572394274
ENSMUSG00000001785	Pwp1	0.087371807	0.291029929	0.572484396
ENSMUSG00000024949	Sf1	-0.099473933	0.291028123	0.572484396
ENSMUSG00000033405	Nudt15	0.098491547	0.291050051	0.572484396
ENSMUSG00000067924	Rtl8b	-0.057975394	0.291058607	0.572484396
ENSMUSG00000005150	Wdr83	0.09221552	0.291459986	0.572952811
ENSMUSG00000020396	Nefh	0.081360479	0.291482572	0.572952811
ENSMUSG00000046311	Zfp62	-0.098110606	0.291452257	0.572952811
ENSMUSG00000047822	Angptl8	0.08588646	0.291527395	0.572952811
ENSMUSG00000056367	Actr3b	0.041155528	0.291475203	0.572952811

ENSMUSG00000027642	Rpn2	-0.086872436	0.291732834	0.573265865
ENSMUSG00000038930	Rccd1	-0.070553211	0.291843167	0.573391961
ENSMUSG00000022876	Samsn1	0.088947789	0.292003382	0.573616006
ENSMUSG00000022477	Aco2	-0.09626171	0.29206284	0.573642083
ENSMUSG00000004837	Grap	0.090903629	0.292239384	0.573697768
ENSMUSG00000015340	Cybb	-0.099047257	0.292259622	0.573697768
ENSMUSG00000030774	Pak1	-0.088535008	0.292229514	0.573697768
ENSMUSG00000087598	Zfp111	-0.077617537	0.292275942	0.573697768
ENSMUSG00000002983	Relb	-0.061029523	0.292561553	0.573736648
ENSMUSG00000031010	Usp9x	0.092343489	0.292660092	0.573736648
ENSMUSG00000039201	Tbc1d25	-0.096953534	0.292665277	0.573736648
ENSMUSG00000039458	Mtmr12	-0.086770691	0.292626258	0.573736648
ENSMUSG00000049728	Zfp668	-0.098155694	0.292383576	0.573736648
ENSMUSG00000050812	Ecpas	0.083773213	0.292549388	0.573736648
ENSMUSG00000056167	Cnot10	-0.096973729	0.292591071	0.573736648
ENSMUSG00000089832	Shkbp1	-0.095332081	0.292636059	0.573736648
ENSMUSG00000002808	Epdr1	-0.068397792	0.292909408	0.573933342
ENSMUSG00000019297	Nop9	0.084709729	0.292934791	0.573933342
ENSMUSG00000019773	Fbxo5	-0.0837309	0.292854645	0.573933342
ENSMUSG00000030287	Itpr2	-0.062232043	0.292950438	0.573933342
ENSMUSG00000004789	Dlst	0.099323167	0.293005991	0.57395165
ENSMUSG00000025572	Tmc6	-0.093438331	0.293099236	0.574043773
ENSMUSG00000033809	Alg3	0.09053515	0.29347106	0.574508394
ENSMUSG00000074336	Apoc4	-0.070920227	0.293475224	0.574508394
ENSMUSG00000075266	Cenpw	0.091818413	0.293473635	0.574508394
ENSMUSG00000014426	Map3k4	-0.091193364	0.293590951	0.574644374
ENSMUSG00000040720	Virma	0.079044646	0.293960862	0.575277749
ENSMUSG00000047557	Lxn	-0.09839671	0.294083967	0.575428002
ENSMUSG00000007029	Vars	-0.096436799	0.294187567	0.575531759
ENSMUSG00000065954	Tacc1	0.100592993	0.294229665	0.575531759
ENSMUSG00000020528	Prpsap2	-0.09738613	0.294420204	0.575813786
ENSMUSG00000039976	Tbc1d16	-0.06272958	0.294478375	0.575836885
ENSMUSG00000022131	Gpr180	-0.095329627	0.294712117	0.576203244
ENSMUSG00000015748	Prpf3	-0.095378853	0.295044579	0.576390222
ENSMUSG00000022615	Tymp	0.065451343	0.295079184	0.576390222
ENSMUSG00000024054	Smchd1	0.088318864	0.294901601	0.576390222
ENSMUSG00000030313	Dennd5b	-0.098687479	0.294868064	0.576390222
ENSMUSG00000038527	C1rl	-0.096509614	0.29500291	0.576390222
ENSMUSG00000043953	Ccrl2	0.089018234	0.295086178	0.576390222
ENSMUSG00000022755	Adgrg7	0.075570579	0.295258249	0.576544994
ENSMUSG00000041417	Pik3r1	-0.096733172	0.29525793	0.576544994
ENSMUSG00000022389	Tef	-0.048208644	0.295639381	0.576808026
ENSMUSG00000050232	Cxcr3	0.05036591	0.29567158	0.576808026

ENSMUSG00000066952	Myo1h	-0.061064523	0.295583039	0.576808026
ENSMUSG00000078572	Ndufaf8	0.097998274	0.295522412	0.576808026
ENSMUSG00000092060	Bend4	-0.056980476	0.295651853	0.576808026
ENSMUSG00000115017	Gm2573	0.081508377	0.295508375	0.576808026
ENSMUSG00000028530	Jak1	0.100208795	0.295781972	0.57693277
ENSMUSG00000025019	Lcor	0.095392209	0.295889786	0.576961857
ENSMUSG00000028717	Tal1	0.079123389	0.295887627	0.576961857
ENSMUSG00000006784	Ttc25	-0.098183968	0.296302032	0.577129332
ENSMUSG00000013495	Tmem175	-0.09530677	0.296302146	0.577129332
ENSMUSG00000015711	Prune1	-0.096234408	0.296347386	0.577129332
ENSMUSG00000017221	Psmc3	0.083860778	0.296217307	0.577129332
ENSMUSG00000032477	Cdc25a	0.090481361	0.296109721	0.577129332
ENSMUSG00000037683	Armc3	0.088053663	0.296272706	0.577129332
ENSMUSG00000048200	Cracr2b	-0.093013606	0.296060038	0.577129332
ENSMUSG00000058440	Nrf1	-0.095649505	0.296211054	0.577129332
ENSMUSG00000020329	Polrmt	-0.097826115	0.296514877	0.577227216
ENSMUSG00000028955	Vamp3	-0.093994907	0.2964929	0.577227216
ENSMUSG00000035181	Heatr5a	0.089385662	0.296537064	0.577227216
ENSMUSG00000066894	Vsig10	-0.069406094	0.296697432	0.577448887
ENSMUSG00000029910	Mad2l1	0.095497719	0.296849803	0.577654928
ENSMUSG00000023873	1700010I14Rik	0.097816896	0.297018031	0.577710767
ENSMUSG00000032384	Csnk1g1	-0.071221422	0.296982088	0.577710767
ENSMUSG00000055866	Per2	0.037703791	0.29698914	0.577710767
ENSMUSG00000022000	Zc3h13	0.098113731	0.2971335	0.577844873
ENSMUSG00000024766	Lipo3	-0.095490075	0.29725575	0.577992121
ENSMUSG00000028576	Ift74	0.096824985	0.29734883	0.578082614
ENSMUSG00000040722	Scamp5	-0.057419094	0.297420169	0.578130816
ENSMUSG00000023277	Twf2	0.087878033	0.297505057	0.578205337
ENSMUSG00000015002	Efr3a	-0.080334837	0.298107428	0.578939446
ENSMUSG00000020781	Tsen54	-0.090040889	0.298137089	0.578939446
ENSMUSG00000026277	Stk25	-0.097548422	0.298018574	0.578939446
ENSMUSG00000036537	Rnf113a1	0.096839016	0.298162438	0.578939446
ENSMUSG00000043733	Ptpn11	0.092949446	0.298074592	0.578939446
ENSMUSG00000100967	Gm29666	-0.097700656	0.297962102	0.578939446
ENSMUSG00000062101	Zfp119b	-0.091442266	0.298224792	0.578970013
ENSMUSG00000020808	Pimreg	-0.096069278	0.298458872	0.579123882
ENSMUSG00000025421	Hdhd2	0.090926608	0.298437671	0.579123882
ENSMUSG00000030172	Erc1	-0.080868313	0.298500472	0.579123882
ENSMUSG00000052446	Zfp961	0.097329825	0.298537172	0.579123882
ENSMUSG00000059395	Nkapl	-0.060919227	0.298351137	0.579123882
ENSMUSG00000049897	Stkld1	0.041045171	0.298616566	0.579187439
ENSMUSG00000059436	Max	-0.048616807	0.298914602	0.579674985
ENSMUSG00000017288	Vps53	0.090388819	0.299014335	0.579676891

ENSMUSG00000020882	Cacnb1	-0.05898127	0.299122538	0.579676891
ENSMUSG00000029458	Brap	0.090420766	0.299057607	0.579676891
ENSMUSG00000031730	Dhodh	-0.098026469	0.298985409	0.579676891
ENSMUSG00000061288	Taok3	-0.093413278	0.299148931	0.579676891
ENSMUSG00000028646	Rragc	-0.097500921	0.299249519	0.579781357
ENSMUSG00000021987	Mtmr6	-0.094323698	0.299690341	0.580454347
ENSMUSG00000024870	Rab1b	-0.094311618	0.299687915	0.580454347
ENSMUSG00000040669	Phc1	-0.048826877	0.299783797	0.58054483
ENSMUSG00000062234	Gak	-0.094388634	0.300193116	0.581156279
ENSMUSG00000081552	Gm12328	-0.098563945	0.300153562	0.581156279
ENSMUSG00000022704	Qtrt2	-0.097386543	0.30024778	0.581171524
ENSMUSG00000032727	Mier3	-0.097174331	0.300470502	0.581512015
ENSMUSG00000021811	Dnajc9	-0.09103944	0.300791664	0.582042881
ENSMUSG00000023039	Krt7	-0.065375629	0.3010589	0.582378539
ENSMUSG00000043251	Exoc3l	0.086342949	0.30103286	0.582378539
ENSMUSG00000015189	Casd1	-0.095693478	0.301253907	0.582529846
ENSMUSG00000031142	Cacna1f	0.093133752	0.301383764	0.582529846
ENSMUSG00000042473	Tbc1d8b	0.057019314	0.301390493	0.582529846
ENSMUSG00000045282	Tmem86b	0.068727074	0.30138966	0.582529846
ENSMUSG00000045954	Cavin2	0.047832621	0.30141851	0.582529846
ENSMUSG00000087141	Plcx2	-0.08096262	0.301251646	0.582529846
ENSMUSG00000025374	Nabp2	0.092991814	0.301531357	0.582657278
ENSMUSG00000006262	Mob1b	0.094560869	0.301796747	0.583079389
ENSMUSG00000091780	Sco2	0.096816961	0.301925203	0.583236851
ENSMUSG00000030259	Rassf8	0.061761027	0.302093232	0.583470694
ENSMUSG00000078902	Gm14443	0.044122764	0.302146724	0.58348328
ENSMUSG00000034006	Pqlc1	-0.096867667	0.302461725	0.583918401
ENSMUSG00000036078	Sigmar1	-0.095289042	0.302507292	0.583918401
ENSMUSG00000090981	Olfr718-ps1	-0.057234343	0.302513075	0.583918401
ENSMUSG00000027993	Trim2	-0.090622785	0.302805844	0.584392695
ENSMUSG00000066829	Zfp810	-0.084232738	0.3028959	0.584475683
ENSMUSG00000048120	Entpd1	-0.082191934	0.303023316	0.58457415
ENSMUSG00000056493	Foxk1	0.093982025	0.303041055	0.58457415
ENSMUSG00000021687	Scamp1	0.096540584	0.303195717	0.584781677
ENSMUSG00000028164	Manba	-0.070733909	0.303244835	0.584785606
ENSMUSG00000028822	Tmem50a	0.078874743	0.30331641	0.584832837
ENSMUSG00000032381	Ciao2a	0.095127146	0.303549996	0.585192379
ENSMUSG00000028859	Csf3r	-0.096257765	0.303776914	0.585538959
ENSMUSG00000035992	Fnip1	0.077938135	0.303921187	0.585726154
ENSMUSG00000020493	Prr11	-0.090515042	0.304120777	0.586017285
ENSMUSG00000020648	Dus4l	-0.079037741	0.304166608	0.586017285
ENSMUSG00000052271	Bhlha15	-0.064633181	0.304380562	0.586338548
ENSMUSG00000022807	Osbpl11	-0.095477817	0.304450491	0.586365659

ENSMUSG00000037375	Hhat	-0.058866869	0.304509364	0.586365659
ENSMUSG00000040624	Plekhg1	0.022198243	0.304536258	0.586365659
ENSMUSG00000020897	Aurkb	-0.088382347	0.304594583	0.586387061
ENSMUSG00000004070	Hmox2	0.089636582	0.304753187	0.586510588
ENSMUSG00000029363	Rfc5	-0.088974723	0.304738557	0.586510588
ENSMUSG00000025510	Cd151	-0.043715258	0.30494379	0.586573325
ENSMUSG00000027300	Ubox5	-0.095596665	0.304908172	0.586573325
ENSMUSG00000048040	Arxes2	0.06914054	0.304974683	0.586573325
ENSMUSG00000071528	Usmg5	0.085613796	0.304964546	0.586573325
ENSMUSG00000070729	Gm12966	0.046509662	0.305037537	0.586603382
ENSMUSG00000022838	Eaf2	-0.053914932	0.305157329	0.586742907
ENSMUSG00000033629	Hacd3	0.09573643	0.305232845	0.58679727
ENSMUSG00000030722	Nfatc2ip	0.082071944	0.305301556	0.586838536
ENSMUSG00000020290	Xpo1	-0.09231097	0.305426538	0.586897126
ENSMUSG00000032333	Stoml1	-0.091114386	0.305394231	0.586897126
ENSMUSG00000001123	Lgals9	0.083878748	0.305580769	0.587097829
ENSMUSG00000099775	Gm5960	-0.087251022	0.305625518	0.587097829
ENSMUSG00000048755	Mcat	0.092447371	0.305705297	0.587160275
ENSMUSG00000000001	Gnai3	-0.081196095	0.305840072	0.58727447
ENSMUSG00000000194	Gpr107	-0.089012368	0.305900519	0.58727447
ENSMUSG00000015605	Srf	0.096133597	0.305967933	0.58727447
ENSMUSG00000022634	Yaf2	0.090075085	0.306001157	0.58727447
ENSMUSG00000032897	Nfyc	-0.093921164	0.305917875	0.58727447
ENSMUSG00000027534	Snx16	-0.090216631	0.306128682	0.587337713
ENSMUSG00000028684	Urod	0.091699881	0.306115113	0.587337713
ENSMUSG00000062082	Cd200r4	-0.046322529	0.306470697	0.587903093
ENSMUSG00000026605	Cenpf	-0.095683939	0.306721588	0.588111892
ENSMUSG00000037594	Clba1	-0.067742566	0.306711291	0.588111892
ENSMUSG00000108366	Gm5586	0.04448241	0.306661675	0.588111892
ENSMUSG00000038039	Gcc2	0.096169547	0.306797769	0.588167168
ENSMUSG00000001847	Rac1	0.079339983	0.306859667	0.588195049
ENSMUSG00000079614	Seh1l	0.088350783	0.306945102	0.588268031
ENSMUSG00000003752	Itpkc	-0.058411134	0.307113248	0.588408708
ENSMUSG00000047187	Rab2a	0.084634125	0.307097498	0.588408708
ENSMUSG00000035228	Ccdc106	0.046498714	0.307248267	0.588576608
ENSMUSG00000063888	Rpl7l1	0.088255352	0.307364268	0.58870803
ENSMUSG00000049396	Gemin4	-0.092240137	0.30744561	0.588773038
ENSMUSG00000022750	Klhl22	-0.091660793	0.307566907	0.588914529
ENSMUSG00000047150	1700001C19Rik	0.039439227	0.307658895	0.588999867
ENSMUSG00000007338	Mrpl49	0.09604636	0.307820107	0.589114994
ENSMUSG00000020444	Guk1	0.096273759	0.30782088	0.589114994
ENSMUSG00000040040	Ift88	0.093524031	0.307861318	0.589114994
ENSMUSG00000026887	Mrrf	0.0950176	0.308053653	0.58939224

ENSMUSG00000034334	Fam151b	-0.093732839	0.308157721	0.589500548
ENSMUSG00000020831	0610010K14Rik	0.08087249	0.30839869	0.58950756
ENSMUSG00000022429	Dmc1	-0.054065671	0.30828034	0.58950756
ENSMUSG00000024480	Ap3s1	0.105933453	0.308303586	0.58950756
ENSMUSG00000038894	Irs2	-0.094746463	0.308358942	0.58950756
ENSMUSG00000051412	Vamp7	0.091605021	0.308357095	0.58950756
ENSMUSG00000054770	Kctd18	-0.079410722	0.308524825	0.589657924
ENSMUSG00000020814	Mxra7	-0.055074431	0.308634265	0.589763254
ENSMUSG00000031832	Taf1c	-0.078996154	0.308709117	0.589763254
ENSMUSG00000046707	Csnk2a2	0.097287585	0.30872238	0.589763254
ENSMUSG00000000530	Acvrl1	-0.053139499	0.308841729	0.589900526
ENSMUSG00000025494	Sigirr	-0.094943135	0.30893122	0.589980733
ENSMUSG00000004356	Utp20	0.060417625	0.309173962	0.590172088
ENSMUSG00000027075	Slc43a1	-0.091597231	0.309140467	0.590172088
ENSMUSG00000111446	Gm6581	0.093900277	0.309139924	0.590172088
ENSMUSG00000090637	Gm6189	-0.0851983	0.309295116	0.590312636
ENSMUSG00000000058	Cav2	0.080113089	0.309506718	0.590521365
ENSMUSG00000021669	Col4a3bp	-0.093544598	0.309572697	0.590521365
ENSMUSG00000028608	0610037L13Rik	0.089712595	0.309594648	0.590521365
ENSMUSG00000114367	Gm48216	0.074527729	0.309496185	0.590521365
ENSMUSG00000026927	Entr1	-0.091350675	0.309819356	0.590677854
ENSMUSG00000043683	Fem1a	-0.094094047	0.309737793	0.590677854
ENSMUSG00000068962	Zfp114	-0.073627868	0.309785505	0.590677854
ENSMUSG00000005125	Ndrg1	-0.07094202	0.310176205	0.590832765
ENSMUSG00000018740	Slc25a35	-0.07871903	0.310213565	0.590832765
ENSMUSG00000030768	Disp1	-0.084478925	0.310219024	0.590832765
ENSMUSG00000034064	Poglut1	-0.083153861	0.31023358	0.590832765
ENSMUSG00000036442	Thap11	-0.093092713	0.310051832	0.590832765
ENSMUSG00000048416	Mlf1	0.056556408	0.310050953	0.590832765
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ENSMUSG00000039069	Mtg2	-0.084943888	0.310475145	0.591111553
ENSMUSG00000005413	Hmox1	-0.070939826	0.3106627	0.591131378
ENSMUSG00000024975	Pdcd4	0.094427052	0.310639712	0.591131378
ENSMUSG00000029826	Zc3hav1	-0.092862116	0.310675922	0.591131378
ENSMUSG00000042348	Arl15	0.08705747	0.310540646	0.591131378
ENSMUSG00000018433	Nol11	0.080969535	0.311071546	0.591657264
ENSMUSG00000020111	Micu1	-0.091378453	0.311161633	0.591657264
ENSMUSG00000021738	Atxn7	-0.078628106	0.311136296	0.591657264
ENSMUSG00000030870	Ubfd1	0.088762529	0.311190476	0.591657264
ENSMUSG00000052632	Asap2	-0.042551075	0.311153275	0.591657264
ENSMUSG00000023307	March5	0.07840903	0.311429774	0.592021613
ENSMUSG00000027680	Fxr1	0.087505174	0.311737599	0.592036531

ENSMUSG00000028282	Casp8ap2	0.093743701	0.31166132	0.592036531
ENSMUSG00000029064	Gnb1	-0.08735638	0.311605835	0.592036531
ENSMUSG00000031148	Gpkow	-0.086132951	0.31177127	0.592036531
ENSMUSG00000042719	Naa25	0.095097157	0.311624985	0.592036531
ENSMUSG00000054387	Mdm4	0.095419719	0.311731533	0.592036531
ENSMUSG00000064193	Gm4735	0.07507316	0.311553933	0.592036531
ENSMUSG00000040212	Emp3	-0.092451279	0.311900629	0.59219164
ENSMUSG00000002748	Baz1b	0.094892934	0.312297155	0.592842542
ENSMUSG00000060639	Hist1h4i	0.093863683	0.312338909	0.592842542
ENSMUSG00000074781	Ube2n	0.088229098	0.312527115	0.593109136
ENSMUSG00000037098	Rab11fip3	-0.059295313	0.312590331	0.593138482
ENSMUSG00000006169	Clint1	-0.077729939	0.31277078	0.593150351
ENSMUSG00000029204	Rhoh	0.094410436	0.312787602	0.593150351
ENSMUSG00000032026	Rexo2	0.086646778	0.312753512	0.593150351
ENSMUSG00000040054	Baz2a	0.094453732	0.31267096	0.593150351
ENSMUSG00000024309	Pfdn6	0.093851279	0.312875999	0.593227412
ENSMUSG00000004788	Eif2b2	0.085901115	0.313380622	0.593640492
ENSMUSG00000024350	Dnajc18	-0.093340725	0.313168151	0.593640492
ENSMUSG00000025154	Arhgap19	-0.094306797	0.313359771	0.593640492
ENSMUSG00000028436	Dcaf12	-0.083038335	0.313352151	0.593640492
ENSMUSG00000041313	Slc7a1	-0.086672423	0.313365584	0.593640492
ENSMUSG00000045248	Med26	-0.093220594	0.313312966	0.593640492
ENSMUSG00000036282	Naa30	0.0947077	0.31345584	0.593692434
ENSMUSG00000019370	Calm3	0.086666937	0.313572796	0.593732881
ENSMUSG00000052214	Opa3	-0.088453384	0.313535557	0.593732881
ENSMUSG00000062604	Srpk2	0.093652942	0.313721104	0.593923157
ENSMUSG00000116358	Gm49450	-0.089681232	0.31381553	0.594011383
ENSMUSG00000027088	Phospho2	-0.092939167	0.314052523	0.594369402
ENSMUSG00000057335	Cep170	-0.091468229	0.31428554	0.594719788
ENSMUSG00000003813	Rad23a	-0.095902596	0.3144692	0.594825924
ENSMUSG00000027194	Ttc17	-0.081789881	0.314575875	0.594825924
ENSMUSG00000062939	Stat4	-0.091287747	0.314562256	0.594825924
ENSMUSG00000081738	Hmgb1-ps2	0.038891843	0.314581072	0.594825924
ENSMUSG00000101439	Gm336	-0.091106422	0.314445279	0.594825924
ENSMUSG00000051169	Rpusd3	0.08955936	0.314701505	0.594872529
ENSMUSG00000116953	9030025P20Rik	0.093696671	0.314679648	0.594872529
ENSMUSG00000046111	Cep295	0.08359065	0.314761512	0.594895427
ENSMUSG00000072774	Zfp951	-0.091955989	0.314832809	0.594939651
ENSMUSG00000074576	Mocs3	-0.085722734	0.31488451	0.594946837
ENSMUSG00000045573	Penk	0.08218574	0.314965844	0.59501
ENSMUSG00000072763	5430403G16Rik	-0.089722243	0.315186584	0.59533646
ENSMUSG00000000346	Dazap2	-0.100665314	0.31527366	0.595410389
ENSMUSG00000024696	Lpxn	-0.092900398	0.315348954	0.595462049

ENSMUSG00000039033	Tasp1	0.089385925	0.315449028	0.595560477
ENSMUSG00000036989	Trim3	-0.077659246	0.315570418	0.595699112
ENSMUSG00000066721	Zfp575	-0.065696311	0.315634134	0.595728853
ENSMUSG00000020102	Slc16a7	-0.079998989	0.315873642	0.595867371
ENSMUSG00000022179	4931414P19Rik	-0.07513237	0.316043333	0.595867371
ENSMUSG00000027852	Nras	0.094191263	0.31592211	0.595867371
ENSMUSG00000029177	Cenpa	0.081182449	0.316002514	0.595867371
ENSMUSG00000033658	Ddx19b	0.092723772	0.316032244	0.595867371
ENSMUSG00000051343	Rab11fip5	-0.053472053	0.315816713	0.595867371
ENSMUSG00000075312	Gm13597	-0.092471473	0.3158364	0.595867371
ENSMUSG00000058997	Vwa8	0.094132947	0.316178119	0.596031024
ENSMUSG00000090592	Gm17571	-0.057387295	0.316368611	0.596299622
ENSMUSG00000082382	Gm14970	-0.093387346	0.316419502	0.596305058
ENSMUSG00000027883	Gpsm2	-0.084427683	0.316556248	0.596472263
ENSMUSG00000026718	Stam	0.092949598	0.316750823	0.596748365
ENSMUSG00000032096	Arcn1	-0.092670674	0.317165145	0.597438318
ENSMUSG00000030613	Ccdc90b	0.084480651	0.317220056	0.597451148
ENSMUSG00000019907	Ppp1r12a	0.07728385	0.317271159	0.597456802
ENSMUSG00000033009	Ogfod1	0.092629358	0.317455847	0.597713972
ENSMUSG00000014164	Klhl3	-0.084039772	0.317964639	0.598490495
ENSMUSG00000029217	Tec	-0.090305093	0.317945451	0.598490495
ENSMUSG00000024780	Cdc37l1	0.093719343	0.318118484	0.598689347
ENSMUSG00000029171	Pgm2	0.0875176	0.318279781	0.598720757
ENSMUSG00000038331	Satb2	0.047261008	0.318241279	0.598720757
ENSMUSG00000039246	Lyplal1	0.073641518	0.318199842	0.598720757
ENSMUSG00000002524	Puf60	-0.086312382	0.318654675	0.599335209
ENSMUSG00000117345	AC163399.1	0.034395536	0.3187071	0.599343057
ENSMUSG00000009073	Nf2	-0.092098544	0.318826407	0.599385924
ENSMUSG00000066441	Rdh11	-0.090015094	0.318799306	0.599385924
ENSMUSG00000021280	Exoc3l4	0.065369353	0.319112691	0.599427714
ENSMUSG00000026643	Nmt2	0.090945014	0.319138191	0.599427714
ENSMUSG00000029110	Rnf4	-0.090088363	0.319120246	0.599427714
ENSMUSG00000030583	Sipa1l3	-0.064334874	0.319019555	0.599427714
ENSMUSG00000059422	Gm8116	0.08648382	0.318934924	0.599427714
ENSMUSG00000083019	Gm6222	0.034087431	0.319054075	0.599427714
ENSMUSG00000055053	Nfic	-0.088137724	0.319192434	0.599438952
ENSMUSG00000022884	Eif4a2	-0.09076705	0.319275989	0.599505225
ENSMUSG00000026036	Nif3l1	0.093433135	0.319422935	0.599674968
ENSMUSG00000027067	Ssrp1	-0.090497652	0.319511226	0.599674968
ENSMUSG00000030357	Fkbp4	0.08108004	0.319470909	0.599674968
ENSMUSG00000043311	D17H6S53E	0.037662669	0.319599062	0.599749198
ENSMUSG00000036707	Cab39	0.088300188	0.319664938	0.599782205
ENSMUSG00000041530	Ago1	0.056077576	0.319747868	0.599847194

ENSMUSG00000031377	Bmx	0.090790425	0.319886233	0.599992076
ENSMUSG00000047789	Slc38a9	-0.087753849	0.319921707	0.599992076
ENSMUSG00000031904	Slc7a6	0.092693379	0.320101741	0.600239089
ENSMUSG00000042613	Pbxip1	-0.084211185	0.320423961	0.60066194
ENSMUSG00000046949	Nqo2	0.086081644	0.320423737	0.60066194
ENSMUSG00000032462	Pik3cb	0.093239632	0.320536087	0.600781459
ENSMUSG00000032469	Dbr1	-0.079580899	0.320683623	0.600967303
ENSMUSG00000024970	Spindoc	-0.089175486	0.320758518	0.600972063
ENSMUSG00000027160	Ccdc34	0.083382194	0.32078293	0.600972063
ENSMUSG00000022674	Ube2v2	0.090902036	0.320955246	0.60120421
ENSMUSG00000037583	Nr0b2	0.092366152	0.32103433	0.601261672
ENSMUSG00000082622	Gm12632	0.052372036	0.321092104	0.601279213
ENSMUSG00000025759	Mfsd8	-0.087363131	0.321186781	0.601365843
ENSMUSG00000021501	Caml	-0.091090747	0.321282546	0.601454485
ENSMUSG00000030745	Ii21r	0.092222921	0.321393142	0.601511143
ENSMUSG00000113072	Gm47820	0.06184986	0.321409665	0.601511143
ENSMUSG00000024045	Akap8	-0.07866449	0.321506068	0.601600915
ENSMUSG00000003153	Slc2a3	-0.06614798	0.321712054	0.601708529
ENSMUSG00000026791	Slc2a8	-0.081355952	0.321638265	0.601708529
ENSMUSG00000030717	Nupr1	0.0756673	0.321727874	0.601708529
ENSMUSG00000044452	Zfp507	-0.047338733	0.321757351	0.601708529
ENSMUSG00000026663	Atf6	0.089604313	0.32193465	0.601949463
ENSMUSG00000021273	Fdft1	-0.083717395	0.322027064	0.602031632
ENSMUSG00000038028	Tigar	0.091980611	0.322356016	0.602523507
ENSMUSG00000050244	Heatr1	0.038698258	0.322387185	0.602523507
ENSMUSG00000061186	Sfmbt2	0.035928139	0.322443158	0.602537455
ENSMUSG00000040616	Tmem51	-0.05316716	0.32251653	0.602583908
ENSMUSG00000038503	Mesd	0.085444335	0.32264413	0.602657072
ENSMUSG00000115039	Gm7043	0.056697346	0.322652728	0.602657072
ENSMUSG00000025470	Zfp511	0.092325728	0.322980107	0.603177854
ENSMUSG00000007739	Cct4	0.087012256	0.323051083	0.603219709
ENSMUSG00000030917	Tmem159	-0.090934528	0.323115476	0.603221809
ENSMUSG00000039697	Ncoa7	0.091906125	0.323149337	0.603221809
ENSMUSG00000032718	Mansc1	-0.055179627	0.323268095	0.603319516
ENSMUSG00000039801	Cplane1	-0.065794513	0.323298824	0.603319516
ENSMUSG00000009863	Sdhb	0.088855015	0.323364076	0.603350636
ENSMUSG00000055065	Ddx17	0.084120733	0.323487877	0.603490977
ENSMUSG00000021619	Atg10	0.091410337	0.323804807	0.60371953
ENSMUSG00000023852	Chd1	0.089112418	0.323729687	0.60371953
ENSMUSG00000049791	Fzd4	0.054256288	0.323776471	0.60371953
ENSMUSG00000096458	Moap1	-0.091219586	0.323794038	0.60371953
ENSMUSG00000024869	Gm49405	-0.056234822	0.323875942	0.603761531
ENSMUSG00000004500	Zfp324	-0.07121701	0.323962439	0.603812783

ENSMUSG00000048807	Slc35e4	-0.089593035	0.32400066	0.603812783
ENSMUSG00000062901	Klhl24	-0.089453832	0.324264023	0.604212936
ENSMUSG00000074170	Plekhf1	0.092320989	0.324320997	0.604228454
ENSMUSG00000036980	Taf6	-0.091507533	0.324377542	0.604243169
ENSMUSG00000067017	Gm3608	0.088783169	0.32450601	0.604391835
ENSMUSG00000085603	Gm11346	-0.071772533	0.324743788	0.604744016
ENSMUSG00000020694	Tlk2	0.089910201	0.324825941	0.604806327
ENSMUSG00000010538	Tsacc	-0.090935479	0.324933965	0.604826133
ENSMUSG00000029414	Kntc1	-0.088920991	0.324917699	0.604826133
ENSMUSG00000020620	Abca8b	-0.053284755	0.325103632	0.605051275
ENSMUSG00000091264	Smim13	0.092015635	0.325170513	0.605085085
ENSMUSG00000026525	Opn3	0.07575596	0.3254814	0.605572869
ENSMUSG00000030041	M1ap	0.089072955	0.325682403	0.605674671
ENSMUSG00000031834	Pik3r2	-0.082678282	0.325681917	0.605674671
ENSMUSG00000074909	Ranbp6	-0.091419199	0.325619023	0.605674671
ENSMUSG00000059776	Rpl13-ps6	0.050132372	0.325736378	0.605684365
ENSMUSG00000018882	Mrpl45	0.09167982	0.325874842	0.605851132
ENSMUSG00000051550	Zfp579	-0.080552694	0.325934636	0.605871613
ENSMUSG00000018286	Psmb6	0.096150351	0.326313314	0.606414588
ENSMUSG00000051650	B3gnt2	-0.08996303	0.326324378	0.606414588
ENSMUSG00000021671	Poc5	-0.090133101	0.326648079	0.606925324
ENSMUSG00000020653	Klf11	-0.05543354	0.326767387	0.607056194
ENSMUSG00000028309	Rnf20	0.075267691	0.326905839	0.607222585
ENSMUSG00000020954	Strn3	-0.088952141	0.327004395	0.607268933
ENSMUSG00000024219	Anks1	-0.09134513	0.327077463	0.607268933
ENSMUSG00000027176	Cstf3	0.082673935	0.32704711	0.607268933
ENSMUSG00000028664	Ephb2	0.04526159	0.327265718	0.607436863
ENSMUSG00000029782	Tmem209	-0.0869193	0.327216941	0.607436863
ENSMUSG00000068329	Htra2	0.086965897	0.327320297	0.607447394
ENSMUSG00000001910	Nacc1	-0.083235605	0.327496439	0.607501981
ENSMUSG00000022960	Donson	-0.091071523	0.327479042	0.607501981
ENSMUSG00000058729	Lin9	-0.089498488	0.327454532	0.607501981
ENSMUSG00000020459	Mtif2	0.090811521	0.32773198	0.60760814
ENSMUSG00000022035	Ccdc25	0.079855372	0.327682615	0.60760814
ENSMUSG00000032485	Scap	-0.065144711	0.327749339	0.60760814
ENSMUSG00000105835	Gm43552	-0.090129105	0.327624537	0.60760814
ENSMUSG00000003269	Cyth2	-0.089154961	0.328237325	0.60833446
ENSMUSG00000052005	Gm9864	0.064160994	0.328239075	0.60833446
ENSMUSG00000028577	Plaa	0.08123845	0.328388607	0.608339283
ENSMUSG00000039233	Tbce	-0.08543109	0.3283505	0.608339283
ENSMUSG00000054666	Olfr63	-0.090677225	0.328349914	0.608339283
ENSMUSG00000028757	Ddost	0.075341457	0.32844595	0.608354778
ENSMUSG00000049881	2810025M15Rik	0.085699272	0.328604897	0.608558435

ENSMUSG00000022450	Ndufa6	0.087303992	0.328800015	0.60873826
ENSMUSG00000075227	Znhit2	0.080754125	0.328797745	0.60873826
ENSMUSG00000028948	Nol9	0.089869879	0.328955449	0.608912685
ENSMUSG00000070572	Trmt112-ps2	0.079120389	0.328992274	0.608912685
ENSMUSG00000028937	Acot7	-0.090400276	0.329078155	0.608980895
ENSMUSG00000057143	Trim12c	0.081726727	0.329215617	0.609053795
ENSMUSG00000069008	Gm5537	0.024109684	0.329209084	0.609053795
ENSMUSG00000020752	Recql5	-0.074536643	0.329467767	0.609338764
ENSMUSG00000040621	Gemin8	0.085484881	0.329421386	0.609338764
ENSMUSG00000091350	Vmn2r92	0.052425129	0.329572605	0.609441912
ENSMUSG00000032060	Cryab	-0.034530503	0.329708244	0.609601979
ENSMUSG00000022781	Pak2	0.091036378	0.329830035	0.609645665
ENSMUSG00000028578	Caap1	0.084379527	0.329805754	0.609645665
ENSMUSG00000042208	O610010F05Rik	0.088049774	0.329894255	0.609673641
ENSMUSG00000018401	Mtmt4	-0.076462355	0.329957528	0.60969986
ENSMUSG00000027809	Etfdh	-0.089030664	0.330042289	0.609765769
ENSMUSG00000021764	Ndufs4	0.074429366	0.330242476	0.609868119
ENSMUSG00000024587	Nars	0.080681332	0.330331239	0.609868119
ENSMUSG00000030598	Fbxo17	0.081481003	0.33018961	0.609868119
ENSMUSG00000041298	Katnal1	0.086063614	0.330343186	0.609868119
ENSMUSG00000056004	9330182L06Rik	-0.043905594	0.330251927	0.609868119
ENSMUSG00000047180	Neur13	0.090004541	0.330430514	0.609938685
ENSMUSG00000072772	Grc10	-0.084662688	0.330569008	0.610103662
ENSMUSG00000000157	Itgb2l	-0.05381878	0.330816649	0.610363771
ENSMUSG00000029265	Dr1	-0.085394386	0.331025877	0.610363771
ENSMUSG00000029466	Anapc7	0.089257257	0.331053919	0.610363771
ENSMUSG00000037679	Inf2	-0.078807399	0.331024789	0.610363771
ENSMUSG00000042632	Pla2g6	-0.079517738	0.330780559	0.610363771
ENSMUSG00000043432	Leng9	-0.085708003	0.330921276	0.610363771
ENSMUSG00000051977	Prdm9	0.060643558	0.331011857	0.610363771
ENSMUSG00000025260	Hsd17b10	0.086071216	0.331348384	0.610794062
ENSMUSG00000029524	Sirt4	-0.090043129	0.331411856	0.610794062
ENSMUSG00000096699	Rps19-ps4	0.046186309	0.331434826	0.610794062
ENSMUSG00000105156	Gm9057	0.040406348	0.331579639	0.610970286
ENSMUSG00000032000	Birc3	-0.090096732	0.33171123	0.611122099
ENSMUSG00000025532	Crcp	0.089071261	0.331804432	0.611203152
ENSMUSG00000024892	Pcx	0.04515592	0.332107424	0.611579884
ENSMUSG00000058883	Zfp708	-0.049034276	0.332062435	0.611579884
ENSMUSG00000019948	Actr6	0.090715466	0.332314724	0.611716724
ENSMUSG00000021114	Atp6v1d	0.07826813	0.332378727	0.611716724
ENSMUSG00000024758	Rtn3	0.082086005	0.332290593	0.611716724
ENSMUSG00000026471	Mr1	-0.0629025	0.33234864	0.611716724
ENSMUSG00000002250	Ppard	-0.049864819	0.333085076	0.611760661

ENSMUSG00000015837	Sqstm1	0.084531716	0.333126284	0.611760661
ENSMUSG00000020863	Luc7l3	0.083311135	0.333141383	0.611760661
ENSMUSG00000025503	Taldo1	0.066742446	0.332677293	0.611760661
ENSMUSG00000026222	Sp100	-0.09007584	0.33259572	0.611760661
ENSMUSG00000028252	Ccnc	0.08821223	0.332725369	0.611760661
ENSMUSG00000039989	Cbx4	-0.089197577	0.333139419	0.611760661
ENSMUSG00000040124	Gorab	-0.083128422	0.332937844	0.611760661
ENSMUSG00000041594	Tmtc4	-0.062708601	0.332538088	0.611760661
ENSMUSG00000042423	Fbrs	-0.076562506	0.333047929	0.611760661
ENSMUSG00000058258	Idi1	0.087723378	0.333010867	0.611760661
ENSMUSG00000066568	Lsm14a	-0.087079204	0.332999099	0.611760661
ENSMUSG00000072494	Ppp1r3e	0.049129773	0.333037574	0.611760661
ENSMUSG00000096687	Mfsd4b4	-0.060188028	0.332837326	0.611760661
ENSMUSG00000112222	Tyms-ps	0.045046981	0.332652362	0.611760661
ENSMUSG00000000916	Nsun5	-0.085006443	0.33334002	0.611783378
ENSMUSG00000002833	Hdgfl2	0.08707032	0.333313164	0.611783378
ENSMUSG00000096385	Gm11168	-0.027046671	0.333326951	0.611783378
ENSMUSG00000107443	Gm7468	0.047728613	0.333350769	0.611783378
ENSMUSG00000026270	Capn10	-0.088301829	0.33342132	0.611822457
ENSMUSG00000029598	Plbd2	-0.081664016	0.333960529	0.612721379
ENSMUSG00000070031	Sp140	0.090303988	0.334060548	0.612814365
ENSMUSG00000021451	Sema4d	-0.081223691	0.334189197	0.612959838
ENSMUSG00000078881	Gm14434	-0.064590446	0.334307875	0.613086981
ENSMUSG00000038936	Sccpdh	-0.08613985	0.334419441	0.613201044
ENSMUSG00000022831	Hcls1	-0.075703539	0.334555264	0.613299626
ENSMUSG00000116085	AC117188.2	-0.034980644	0.334571956	0.613299626
ENSMUSG00000028407	Smim27	-0.088851642	0.334782557	0.613595122
ENSMUSG00000031365	Zfp275	0.052102778	0.334852037	0.613631919
ENSMUSG00000031255	Sytl4	-0.054353791	0.334936339	0.613695864
ENSMUSG00000042699	Dhx9	0.081076646	0.335008859	0.613738205
ENSMUSG00000014907	Naf1	0.070235578	0.335226755	0.613775629
ENSMUSG00000022280	Rnf19a	-0.089526696	0.33521293	0.613775629
ENSMUSG00000028224	Nbn	-0.083005021	0.335226944	0.613775629
ENSMUSG00000059482	2610301B20Rik	-0.089155476	0.335097216	0.613775629
ENSMUSG00000025903	Lypla1	0.089360215	0.335359269	0.613927411
ENSMUSG00000020105	Lrig3	0.049290833	0.335476637	0.614051769
ENSMUSG00000005087	Cd44	0.083880766	0.33570427	0.614287381
ENSMUSG00000041777	Cir1	0.088050306	0.335679404	0.614287381
ENSMUSG00000032311	Nrg4	-0.088772574	0.336074938	0.614875064
ENSMUSG00000045045	Lrfn4	-0.057471991	0.336218597	0.615047303
ENSMUSG00000041406	BC055324	-0.089280412	0.33634007	0.615178915
ENSMUSG00000020485	Supt4a	0.076458931	0.336471515	0.615257077
ENSMUSG00000020521	Rnft1	-0.088770774	0.336779073	0.615257077

ENSMUSG00000024976	Shoc2	-0.087409431	0.336644177	0.615257077
ENSMUSG00000028970	Abcb1b	0.088090675	0.336669607	0.615257077
ENSMUSG00000029462	Vps29	0.090636608	0.336606725	0.615257077
ENSMUSG00000030729	Pgm2l1	-0.078692373	0.336503365	0.615257077
ENSMUSG00000050957	Insl6	0.065459755	0.336727215	0.615257077
ENSMUSG00000091277	Gm1818	-0.023234848	0.336774481	0.615257077
ENSMUSG00000041477	Dcp1b	-0.086747805	0.336842046	0.615281625
ENSMUSG00000059355	Wdr83os	0.076797178	0.337025523	0.615454358
ENSMUSG00000067321	Gm7931	0.061056311	0.337035709	0.615454358
ENSMUSG00000019768	Esr1	-0.087896919	0.337097968	0.615477564
ENSMUSG00000005533	Igf1r	0.072639613	0.337529582	0.616175036
ENSMUSG00000036087	Slain2	-0.087947772	0.337751085	0.616488792
ENSMUSG00000000552	Zfp385a	-0.076957661	0.337862824	0.616602137
ENSMUSG00000050050	Ccdc158	-0.051703977	0.338135292	0.616918105
ENSMUSG00000062038	Gm10108	0.096097318	0.338120113	0.616918105
ENSMUSG00000025324	Atp10a	-0.084313804	0.338219675	0.616935427
ENSMUSG00000095865	Gm13237	0.089549392	0.338244124	0.616935427
ENSMUSG00000029145	Eif2b4	0.083307701	0.338591147	0.617477704
ENSMUSG00000023272	Creld2	0.091265708	0.338659408	0.617511525
ENSMUSG00000023094	Msrb2	0.088929778	0.339175115	0.617998255
ENSMUSG00000026965	Anapc2	-0.085999017	0.338989947	0.617998255
ENSMUSG00000031480	Thsd1	-0.056451561	0.339100825	0.617998255
ENSMUSG00000034205	Loxl2	-0.082767921	0.339132696	0.617998255
ENSMUSG00000036503	Rnf13	-0.086991036	0.339150085	0.617998255
ENSMUSG00000039814	Xkr5	-0.070004247	0.339245508	0.618035854
ENSMUSG00000031833	Mast3	-0.082463453	0.339496183	0.618401831
ENSMUSG00000014980	Tsen15	0.09009919	0.339681653	0.618648947
ENSMUSG00000061666	Gdpd1	0.044430548	0.34005143	0.61923161
ENSMUSG00000032435	Dync1li1	0.083720658	0.34013902	0.619300317
ENSMUSG00000014867	Surf4	0.07603939	0.34021983	0.619356662
ENSMUSG00000027351	Spred1	0.087337661	0.340378658	0.619464221
ENSMUSG00000050079	Rspry1	-0.082716496	0.340372581	0.619464221
ENSMUSG00000052085	Dock8	-0.087498473	0.340625868	0.619823309
ENSMUSG00000028899	Taf12	0.085300557	0.340685713	0.6198414
ENSMUSG00000036249	Rbm43	0.086590128	0.340751335	0.619869996
ENSMUSG00000035834	Polr3g	0.088053758	0.34087411	0.620002537
ENSMUSG00000027109	Sp3	-0.08690776	0.340982496	0.62010887
ENSMUSG00000041147	Brca2	-0.083423917	0.341227355	0.620463326
ENSMUSG00000017802	Retreg3	-0.069444959	0.341578882	0.621011607
ENSMUSG00000002325	Irf9	-0.045987361	0.341665371	0.621046066
ENSMUSG00000083396	Gm15542	-0.08650508	0.341697836	0.621046066
ENSMUSG00000025479	Cyp2e1	-0.054270708	0.342005194	0.621513754
ENSMUSG00000020741	Cluh	0.085432775	0.342484721	0.62207206

ENSMUSG00000031170	Slc38a5	-0.0273667	0.342634993	0.62207206
ENSMUSG00000045377	Tmem88	-0.053109555	0.342614969	0.62207206
ENSMUSG00000047423	Al837181	-0.08791037	0.342586306	0.62207206
ENSMUSG00000054723	Vmac	-0.055729563	0.342574074	0.62207206
ENSMUSG00000057236	Rbbp4	0.070302035	0.342662993	0.62207206
ENSMUSG00000109925	Gm45315	0.084513502	0.342514853	0.62207206
ENSMUSG00000031311	Nono	-0.082221012	0.342725964	0.622095456
ENSMUSG00000091239	Vmn2r76	0.068121249	0.342782201	0.622106622
ENSMUSG00000020440	Arf5	-0.087512298	0.343258009	0.622643493
ENSMUSG00000023832	Acat2	-0.087706311	0.343176491	0.622643493
ENSMUSG00000030663	1110004F10Rik	0.087368239	0.343278532	0.622643493
ENSMUSG00000036501	Fam13b	-0.086235288	0.343186038	0.622643493
ENSMUSG00000034652	Cd300a	-0.087864604	0.343358687	0.622697949
ENSMUSG00000028066	Pmf1	0.074724054	0.34383773	0.622748388
ENSMUSG00000028496	Mllt3	-0.079490837	0.343751093	0.622748388
ENSMUSG00000033628	Pik3c3	-0.086176014	0.34363766	0.622748388
ENSMUSG00000033857	Engase	-0.082325995	0.343714653	0.622748388
ENSMUSG00000037075	Rnf139	-0.087503425	0.343462157	0.622748388
ENSMUSG00000042229	Rabif	-0.080568824	0.343746598	0.622748388
ENSMUSG00000046329	Slc25a23	-0.067912612	0.343732474	0.622748388
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ENSMUSG00000026771	Spopl	0.079097538	0.34391684	0.622752594
ENSMUSG00000037138	Aff3	-0.045107248	0.343940326	0.622752594
ENSMUSG00000028558	Calr4	-0.047818808	0.344047853	0.622765721
ENSMUSG00000113926	Gm3565	0.045961313	0.344045962	0.622765721
ENSMUSG00000020788	Atp2a3	-0.081276542	0.344309583	0.623148671
ENSMUSG00000022214	Dcaf11	-0.086354979	0.344410073	0.623148946
ENSMUSG00000022881	Rfc4	0.085741341	0.344378164	0.623148946
ENSMUSG00000041958	Pigs	-0.08583049	0.344468362	0.623163636
ENSMUSG00000050022	Amz1	0.067134152	0.344658316	0.623325705
ENSMUSG00000053094	Tmem248	0.083342857	0.344634536	0.623325705
ENSMUSG00000022129	Dct	-0.057954556	0.344898133	0.623415878
ENSMUSG00000022941	Ripply3	-0.063336111	0.344908938	0.623415878
ENSMUSG00000025204	Ndufb8	0.088030637	0.344850083	0.623415878
ENSMUSG00000030515	Tarsl2	0.086818996	0.344864391	0.623415878
ENSMUSG00000025278	Flnb	0.061941424	0.345233871	0.623912397
ENSMUSG00000038784	Cnot4	-0.085575755	0.345342885	0.624018617
ENSMUSG00000021258	Ccnk	0.055904858	0.345453447	0.624127603
ENSMUSG00000025044	Msr1	0.052224096	0.345666256	0.624421258
ENSMUSG00000021371	Mcur1	0.085370973	0.345901736	0.624574133
ENSMUSG00000059182	Skap2	0.085086003	0.345854177	0.624574133
ENSMUSG00000071532	Gm10335	0.071144406	0.345885422	0.624574133

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ENSMUSG00000053173	Rpl18-ps2	0.044356106	0.34625296	0.624935776
ENSMUSG00000028793	Rnf19b	0.086854467	0.346393397	0.625098414
ENSMUSG00000003865	Gys1	-0.087292304	0.346513421	0.625111046
ENSMUSG00000022305	Lrp12	-0.058177946	0.346601704	0.625111046
ENSMUSG00000033114	Slc35d2	-0.078747699	0.346600865	0.625111046
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ENSMUSG00000075327	Zbtb2	-0.08672526	0.346697741	0.625193473
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ENSMUSG00000042046	Dstyk	-0.082298322	0.346928543	0.625449347
ENSMUSG00000021484	Lman2	0.088690319	0.347010615	0.625485249
ENSMUSG00000029833	Trim24	-0.074929654	0.347220612	0.625507106
ENSMUSG00000037280	Galnt6	-0.087052467	0.347224177	0.625507106
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ENSMUSG00000051225	Fam83a	-0.056621407	0.347127817	0.625507106
ENSMUSG00000024897	Apba1	-0.081025323	0.347275726	0.625509251
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ENSMUSG00000009733	Tfcp2	-0.085554176	0.347808555	0.625813796
ENSMUSG00000024127	Prepl	-0.086510493	0.347966395	0.625813796
ENSMUSG00000025485	Ric8a	-0.085922422	0.347694889	0.625813796
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ENSMUSG00000052760	A630001G21Rik	-0.086898775	0.347957885	0.625813796
ENSMUSG00000062116	Zfp954	-0.086393145	0.347999025	0.625813796
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ENSMUSG00000073792	Alg6	-0.083425991	0.347651217	0.625813796
ENSMUSG00000075705	Msrb1	-0.085348917	0.347974654	0.625813796
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ENSMUSG00000031835	Mbtps1	-0.084483564	0.348664624	0.626466555
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ENSMUSG00000032279	ldh3a	0.089033885	0.349395501	0.627416729
ENSMUSG00000049904	Tmem17	0.08504031	0.349350776	0.627416729
ENSMUSG00000070526	Peg12	-0.042594022	0.349371392	0.627416729
ENSMUSG00000029464	Gpn3	0.083720793	0.34956119	0.627623524
ENSMUSG00000033712	Ccar2	-0.086217549	0.349748809	0.627869628
ENSMUSG00000027811	4930579G24Rik	-0.083318693	0.349847196	0.627955494
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ENSMUSG00000018169	Mfng	-0.081019423	0.350239946	0.628037745

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ENSMUSG00000055200	Sertad3	-0.086315849	0.350204628	0.628037745
ENSMUSG00000057110	Cntrl	0.086607018	0.350069321	0.628037745
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ENSMUSG00000020057	Dram1	0.085869985	0.350318859	0.628076002
ENSMUSG00000001783	Rtcb	0.082309817	0.350370769	0.628078413
ENSMUSG00000013858	Tmem259	-0.086453836	0.350666571	0.628278128
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ENSMUSG00000025860	Xiap	-0.07805247	0.350542942	0.628278128
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ENSMUSG00000038143	Stox2	-0.057656829	0.351044516	0.62839153
ENSMUSG00000063439	B9d2	0.081654622	0.351051351	0.62839153
ENSMUSG00000097327	E030030I06Rik	-0.076807394	0.351030775	0.62839153
ENSMUSG00000072066	6720489N17Rik	-0.06782611	0.351151459	0.628480155
ENSMUSG00000020458	Rtn4	-0.081018342	0.351320026	0.628600697
ENSMUSG00000020541	Tom1l1	0.086020566	0.351286485	0.628600697
ENSMUSG00000053128	Rnf26	-0.084984264	0.351428926	0.628704982
ENSMUSG00000026576	Atp1b1	-0.072513864	0.351749873	0.629165071
ENSMUSG00000030610	Det1	-0.07905557	0.35178741	0.629165071
ENSMUSG00000022024	Sugt1	0.079351678	0.351929668	0.629319545
ENSMUSG00000031158	Timm17b	0.070062585	0.351975113	0.629319545
ENSMUSG00000052681	Rap1b	0.086191925	0.352191227	0.629615318
ENSMUSG00000028821	Syf2	-0.08061035	0.352322208	0.629668223
ENSMUSG00000108218	Olf1372-ps1	-0.067399887	0.352322012	0.629668223
ENSMUSG00000029624	Ptcd1	-0.081623055	0.352406046	0.629727449
ENSMUSG00000092558	Med20	-0.079292475	0.352631028	0.630038838
ENSMUSG00000107283	Mpv17	-0.084327641	0.352840322	0.630322112
ENSMUSG00000028565	Nfia	-0.04513585	0.353514144	0.631435027
ENSMUSG00000015357	Clpx	-0.082619041	0.353620264	0.63153376
ENSMUSG00000029559	2210016L21Rik	0.077542284	0.353731922	0.631594215
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ENSMUSG00000080186	Gm14448	0.083472067	0.353978268	0.631900555
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ENSMUSG00000009291	Pttg1ip	-0.076913644	0.354491385	0.632452958
ENSMUSG00000026546	Cfap45	-0.052011531	0.354579063	0.632506463
ENSMUSG00000035632	Cnot3	-0.0847313	0.35462322	0.632506463
ENSMUSG00000002342	Tmem161a	0.073194893	0.354946748	0.632540851

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ENSMUSG00000025326	Ube3a	0.084255402	0.354979085	0.632540851
ENSMUSG00000026708	Cenpl	-0.083034625	0.354998975	0.632540851
ENSMUSG00000029687	Ezh2	-0.067119127	0.354909836	0.632540851
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ENSMUSG00000022770	Dlg1	-0.085819632	0.355474119	0.632984701
ENSMUSG00000031865	Dctn1	-0.078738509	0.355542478	0.632984701
ENSMUSG00000038236	Hoxa7	0.085639528	0.355604802	0.632984701
ENSMUSG00000045822	Zswim3	-0.085164487	0.355369693	0.632984701
ENSMUSG00000059821	Olfr847	-0.063900199	0.355536217	0.632984701
ENSMUSG00000071477	Zfp777	-0.069131796	0.355570666	0.632984701
ENSMUSG00000032475	Nck1	0.080776407	0.35628196	0.634008341
ENSMUSG00000045128	Rpl18a	0.063303677	0.356267663	0.634008341
ENSMUSG00000068923	Syt11	-0.068714248	0.35633983	0.634020488
ENSMUSG00000061119	Prcp	-0.081105279	0.356632076	0.634449586
ENSMUSG00000021706	Zfyve16	-0.080233494	0.356811599	0.634678058
ENSMUSG00000027778	Ift80	-0.050874396	0.356971263	0.634871142
ENSMUSG00000061778	Mospd2	-0.082531901	0.357063423	0.634944134
ENSMUSG00000015839	Nfe2l2	-0.073377424	0.357137483	0.634984924
ENSMUSG00000005882	Uqcc1	-0.083449734	0.357220248	0.635041177
ENSMUSG00000031539	Ap3m2	0.08073076	0.357405848	0.63516805
ENSMUSG00000040774	Cept1	-0.075791604	0.357387435	0.63516805
ENSMUSG00000096916	Zfp850	-0.064892872	0.357445026	0.63516805
ENSMUSG00000006273	Atp6v1b2	-0.084473476	0.357611449	0.635372881
ENSMUSG00000015478	Rnf5	-0.067138014	0.357761878	0.635549241
ENSMUSG00000031467	Agpat5	0.07526223	0.357911308	0.635652456
ENSMUSG00000034601	2700049A03Rik	-0.08476918	0.357922331	0.635652456
ENSMUSG00000024063	Lbh	-0.082378927	0.357993579	0.635688099
ENSMUSG00000094347	Olfr784	0.063552494	0.35809718	0.635781172
ENSMUSG00000115196	Gm6212	0.02761925	0.358187333	0.635850345
ENSMUSG00000002289	Angptl4	0.08460526	0.359571017	0.636599506
ENSMUSG00000008301	Phax	0.074389625	0.3592214	0.636599506
ENSMUSG00000021213	Akr1c13	-0.084629354	0.359248969	0.636599506
ENSMUSG00000021662	Arhgef28	0.076034913	0.358851057	0.636599506
ENSMUSG00000027905	Ddx20	-0.084305	0.35867728	0.636599506
ENSMUSG00000028033	Kcnq5	-0.065259506	0.358925689	0.636599506
ENSMUSG00000028563	Tm2d1	-0.082169002	0.359575954	0.636599506
ENSMUSG00000029499	Pxmp2	-0.084057497	0.358956121	0.636599506
ENSMUSG00000029828	4921507P07Rik	0.051620285	0.359391187	0.636599506
ENSMUSG00000031012	Cask	-0.074418658	0.358867219	0.636599506
ENSMUSG00000032827	Ppp1r9a	0.033930586	0.358954883	0.636599506

ENSMUSG00000036959	Bcor1	-0.063113933	0.359634388	0.636599506
ENSMUSG00000036977	Anapc10	0.083447009	0.359539356	0.636599506
ENSMUSG00000037331	Larp1	0.081807219	0.359024838	0.636599506
ENSMUSG00000040824	Snrpd2	0.084660192	0.359199883	0.636599506
ENSMUSG00000046324	Ermp1	-0.0826363	0.35927407	0.636599506
ENSMUSG00000048109	Rbm15	-0.084006327	0.359510173	0.636599506
ENSMUSG00000053470	Kdm3a	-0.073580828	0.358993163	0.636599506
ENSMUSG00000054545	Ugt1a6a	0.04660319	0.359591717	0.636599506
ENSMUSG00000070372	Capza1	-0.083815011	0.359403321	0.636599506
ENSMUSG00000036613	Eipr1	-0.084750145	0.359743127	0.63670125
ENSMUSG00000027201	Myef2	0.078386528	0.359837033	0.636776718
ENSMUSG00000105103	Gm43191	-0.070608484	0.359898015	0.636793909
ENSMUSG00000037148	Arhgap10	-0.083191918	0.359962934	0.63681806
ENSMUSG00000043870	Gm5809	0.035830552	0.360179975	0.636839212
ENSMUSG00000050350	Gpr18	-0.050396497	0.360170166	0.636839212
ENSMUSG00000058835	Abi1	-0.078110027	0.360122618	0.636839212
ENSMUSG00000069117	Gm10260	0.071739352	0.360042847	0.636839212
ENSMUSG00000003746	Man1a	-0.083068001	0.360267841	0.636903907
ENSMUSG00000048174	Tmem81	0.040642126	0.360346763	0.636952774
ENSMUSG00000031189	Aff2	0.059012641	0.360447684	0.637040507
ENSMUSG00000032612	Usp4	-0.082611142	0.360581296	0.637109746
ENSMUSG00000039615	Stub1	0.070991309	0.360589446	0.637109746
ENSMUSG00000043424	Eif3j2	0.068314168	0.360671949	0.637164881
ENSMUSG00000017716	Birc5	0.070134412	0.360892735	0.637192418
ENSMUSG00000028229	Rmdn1	0.084685577	0.360802913	0.637192418
ENSMUSG00000031024	St5	0.035793714	0.360883286	0.637192418
ENSMUSG00000083816	Gm13033	-0.058510879	0.360832289	0.637192418
ENSMUSG00000024078	Ttc27	0.081870829	0.361033498	0.637350352
ENSMUSG00000023927	Satb1	0.080554805	0.361109426	0.637393802
ENSMUSG00000029012	Orc5	-0.08420753	0.361296939	0.637634169
ENSMUSG00000011306	Sugp1	-0.079331605	0.361548848	0.637988101
ENSMUSG00000026617	Bpnt1	0.083401525	0.361893186	0.638264169
ENSMUSG00000039542	Ncam1	0.078619281	0.36191084	0.638264169
ENSMUSG00000042213	Zfand4	-0.073458941	0.361846614	0.638264169
ENSMUSG00000071180	Smim15	0.080707163	0.361884227	0.638264169
ENSMUSG00000022889	Mrpl39	0.079774607	0.362127209	0.63828325
ENSMUSG00000038812	Trmt112	0.075372868	0.36210602	0.63828325
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ENSMUSG00000073406	H2-BI	-0.072608219	0.361983894	0.63828325
ENSMUSG00000029922	Mkrn1	-0.0837306	0.362357214	0.638570527
ENSMUSG00000031681	Smad1	-0.084106459	0.362393015	0.638570527
ENSMUSG00000071074	Yipf3	0.085882883	0.362547928	0.63866592
ENSMUSG00000071451	Psmg4	0.072391162	0.362549988	0.63866592

ENSMUSG0000003360	Ddx23	0.084067254	0.362951198	0.638672152
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ENSMUSG00000020287	Mpg	0.084315706	0.36284809	0.638672152
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ENSMUSG00000024781	Lipa	-0.083877208	0.362990677	0.638672152
ENSMUSG00000027951	Adar	-0.072262034	0.363053767	0.638672152
ENSMUSG00000033356	Pus7l	0.072704747	0.362974295	0.638672152
ENSMUSG00000036275	9530068E07Rik	-0.074481526	0.363018769	0.638672152
ENSMUSG00000040302	Rbm48	-0.083770445	0.363067713	0.638672152
ENSMUSG00000083992	Gm11478	0.035643057	0.362856237	0.638672152
ENSMUSG00000020474	Polm	-0.067340653	0.36312454	0.638681664
ENSMUSG00000028690	Mmachc	0.07999715	0.363269506	0.638792199
ENSMUSG00000052040	Klf13	-0.079500341	0.363290242	0.638792199
ENSMUSG00000036395	Glb1l2	-0.050470163	0.363400457	0.638805133
ENSMUSG00000038180	Spag4	-0.07592333	0.363378993	0.638805133
ENSMUSG00000078153	Psme2b	-0.039456782	0.363694689	0.639141445
ENSMUSG00000096433	Zfp994	-0.083190884	0.363653189	0.639141445
ENSMUSG00000038708	Golga4	-0.08216754	0.363770229	0.639183763
ENSMUSG00000020718	Polg2	-0.081996374	0.364158775	0.639775976
ENSMUSG00000026018	Ica1l	-0.033221371	0.364226018	0.639803617
ENSMUSG00000027323	Rad51	-0.074132048	0.36449022	0.64008667
ENSMUSG00000034218	Atm	0.062038215	0.364446859	0.64008667
ENSMUSG00000024981	Acsl5	-0.078637664	0.364597815	0.640185109
ENSMUSG00000021482	Aaed1	0.080650797	0.364687752	0.640252518
ENSMUSG00000027327	1700037H04Rik	0.076732045	0.364765999	0.640299388
ENSMUSG00000027961	Lrrc39	0.053346851	0.364928758	0.640494574
ENSMUSG00000019942	Cdk1	0.077667785	0.365051429	0.640614546
ENSMUSG00000043085	Tmem82	-0.052456754	0.365100263	0.640614546
ENSMUSG00000030037	Mrpl53	0.081415893	0.365153716	0.640617839
ENSMUSG00000010142	Tnfrsf13b	-0.083423994	0.365596428	0.640851209
ENSMUSG00000020610	Amz2	-0.076553022	0.365523831	0.640851209
ENSMUSG00000029422	Rsrc2	0.083473231	0.365348995	0.640851209
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ENSMUSG00000067567	Hdac8	0.078815232	0.36569949	0.640851209
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ENSMUSG00000021022	Ppp2r3c	0.084295687	0.365768537	0.640881789
ENSMUSG00000028035	Dnajb4	-0.07294333	0.365831342	0.640901424
ENSMUSG00000050947	Amigo1	-0.060916932	0.366087956	0.641260542
ENSMUSG00000017765	Slc12a4	-0.058542251	0.36630599	0.641371117
ENSMUSG00000026450	Chit1	-0.064648271	0.366302568	0.641371117
ENSMUSG00000037134	Prmt9	-0.081350916	0.366229441	0.641371117

ENSMUSG00000116815	Gm49760	-0.066925604	0.367042381	0.642569897
ENSMUSG00000022508	Bcl6	-0.047151548	0.367372189	0.642875452
ENSMUSG00000039536	Stau1	-0.082816685	0.36735012	0.642875452
ENSMUSG00000060336	Zfp937	-0.057447906	0.367311733	0.642875452
ENSMUSG00000001995	Sipa1l2	-0.055296722	0.367560665	0.642945072
ENSMUSG00000003810	Mast2	-0.040664364	0.367619024	0.642945072
ENSMUSG00000026849	Tor1a	-0.082109879	0.367597325	0.642945072
ENSMUSG00000059058	Tma7-ps	0.081906581	0.36760822	0.642945072
ENSMUSG00000025188	Hps1	-0.082994784	0.367822266	0.643209963
ENSMUSG00000026288	Inpp5d	-0.082815879	0.367903609	0.643261645
ENSMUSG00000037664	Cdkn1c	0.048311121	0.367969853	0.643286917
ENSMUSG00000025132	Arhgdia	-0.082046823	0.368042325	0.643323068
ENSMUSG00000023104	Rfc2	-0.077074565	0.368101571	0.643336093
ENSMUSG00000007656	Arpp19	0.082858527	0.368283439	0.643374473
ENSMUSG00000028842	Ago3	0.073740766	0.368188039	0.643374473
ENSMUSG00000051113	Fam71e1	-0.042763839	0.368270298	0.643374473
ENSMUSG00000059883	Irak4	0.079601404	0.36833072	0.643374473
ENSMUSG00000073435	Nme3	0.083089322	0.368525863	0.643624824
ENSMUSG00000038370	Pcp4l1	-0.08236179	0.368626083	0.643709347
ENSMUSG00000078765	U2af1l4	0.073549662	0.36868816	0.643727246
ENSMUSG00000003309	Ap1m2	0.065101428	0.3689102	0.644021459
ENSMUSG00000032586	Traip	0.076366583	0.369115914	0.644021459
ENSMUSG00000038010	Ccdc138	-0.081421255	0.369014818	0.644021459
ENSMUSG00000051413	Plagl2	0.065907776	0.369016093	0.644021459
ENSMUSG00000104616	Gm6069	0.045922697	0.369076852	0.644021459
ENSMUSG00000034707	Gns	-0.080153944	0.369181254	0.644044994
ENSMUSG00000082120	Gm15720	0.077604779	0.369617463	0.64471542
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ENSMUSG00000023072	Cep89	-0.07393651	0.369820207	0.644887939
ENSMUSG00000040549	Ckap5	-0.08119871	0.369918422	0.644968658
ENSMUSG00000020901	Pik3r5	0.079259869	0.370070392	0.645052531
ENSMUSG00000103735	Gm38317	-0.0262662	0.370048066	0.645052531
ENSMUSG00000007950	Abhd8	-0.082009323	0.370285136	0.645245745
ENSMUSG00000019979	Apaf1	0.066784038	0.370264014	0.645245745
ENSMUSG00000038147	Cd84	-0.080899209	0.370344563	0.645258777
ENSMUSG00000001323	Srr	0.079644627	0.370677924	0.645701497
ENSMUSG00000036223	Ska1	0.078982074	0.370702631	0.645701497
ENSMUSG00000019564	Arid3a	0.082288146	0.371131838	0.646170544
ENSMUSG00000020454	Eif4enif1	-0.082370944	0.371388094	0.646170544
ENSMUSG00000020525	Ppm1d	-0.079359745	0.371136608	0.646170544
ENSMUSG00000027708	Dcun1d1	-0.077282698	0.371355161	0.646170544
ENSMUSG00000030671	Pde3b	0.061646025	0.371325178	0.646170544
ENSMUSG00000031700	Gpt2	-0.07249335	0.3710493	0.646170544

ENSMUSG00000066551	Hmgb1	0.088667001	0.371347605	0.646170544
ENSMUSG00000105928	Gm9256	0.02568716	0.371200366	0.646170544
ENSMUSG00000024985	Tcf7l2	-0.056055671	0.371477215	0.646235082
ENSMUSG00000019927	Ube2d1	-0.081293302	0.371638866	0.646289866
ENSMUSG00000026411	Tmem9	-0.079875718	0.371581489	0.646289866
ENSMUSG00000033705	Stard9	-0.06220444	0.371664803	0.646289866
ENSMUSG00000042050	Wdr60	-0.062520979	0.371765687	0.646374803
ENSMUSG00000026873	Phf19	-0.065588088	0.372083877	0.646837485
ENSMUSG00000028189	Ctbs	0.082770783	0.372175508	0.646906239
ENSMUSG00000033054	Npat	-0.076334227	0.372311342	0.647051794
ENSMUSG00000022218	Tgm1	0.035443165	0.372381717	0.647083562
ENSMUSG00000021187	Tc2n	-0.044362546	0.372460745	0.647130355
ENSMUSG00000028480	Glipr2	0.071584792	0.372723252	0.647495875
ENSMUSG00000033177	Tmprss7	-0.04156789	0.372887985	0.647626604
ENSMUSG00000034908	Sidt2	-0.075746767	0.372902783	0.647626604
ENSMUSG00000037752	Xkr8	0.080931064	0.372968865	0.647650814
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ENSMUSG00000031728	Zfp821	-0.065621156	0.373716675	0.648767969
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ENSMUSG00000073968	Trim68	-0.063360892	0.373916807	0.648934002
ENSMUSG00000039176	Polg	0.069801644	0.374259546	0.64937559
ENSMUSG00000080977	Gm13772	0.08430141	0.374275811	0.64937559
ENSMUSG00000050721	Plekho2	-0.077720775	0.374359335	0.649429791
ENSMUSG00000003226	Ranbp2	0.072253306	0.374573714	0.649620232
ENSMUSG00000031016	Wee1	-0.078480969	0.374543982	0.649620232
ENSMUSG00000017760	Ctsa	-0.072998101	0.374783716	0.649884009
ENSMUSG00000092240	Gm4246	0.059687809	0.374830452	0.649884009
ENSMUSG00000034820	Cpsf7	0.077428577	0.374923893	0.649955294
ENSMUSG00000048108	Tmem72	0.058397837	0.375051861	0.650086402
ENSMUSG00000062175	Tgif2	-0.059300883	0.375118579	0.650111325
ENSMUSG00000074092	Gm6181	0.08170928	0.375173035	0.650114993
ENSMUSG00000020211	Sf3a2	-0.04634771	0.375363842	0.650317168
ENSMUSG00000026240	Cops7b	0.078517704	0.37539442	0.650317168
ENSMUSG00000020152	Actr2	-0.076177191	0.375471444	0.650359895
ENSMUSG00000018986	Sifn3	0.052933895	0.375662179	0.650418166
ENSMUSG00000026842	Abl1	-0.074200855	0.375574589	0.650418166
ENSMUSG00000028016	Ints12	0.078072214	0.375640967	0.650418166
ENSMUSG00000046031	Calhm6	0.080818204	0.375816719	0.650595047
ENSMUSG00000054932	Afp	0.0763872	0.375883376	0.650619762
ENSMUSG00000051314	Ffar2	0.074958038	0.375939775	0.650626717
ENSMUSG00000025409	Mbd6	0.063842682	0.376142213	0.65074214
ENSMUSG00000032058	Ppp2r1b	-0.077365162	0.376163639	0.65074214
ENSMUSG00000039428	Tmem135	-0.076636849	0.376133056	0.65074214

ENSMUSG00000004642	Slbp	-0.090792047	0.376433531	0.650846449
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ENSMUSG00000071252	2210408121Rik	-0.066620587	0.376424688	0.650846449
ENSMUSG00000025933	Tmem14a	-0.068837123	0.376633365	0.650968907
ENSMUSG00000048701	Ccdc6	-0.07736424	0.376564471	0.650968907
ENSMUSG00000105808	Gm42627	0.067762577	0.376661584	0.650968907
ENSMUSG00000026888	Grb14	-0.056994573	0.37699691	0.651457794
ENSMUSG00000045482	Trrap	0.070145152	0.377053375	0.651464733
ENSMUSG00000117089	AC126254.1	-0.042219217	0.377126521	0.651500489
ENSMUSG00000053390	Zfp952	-0.079238576	0.377363959	0.651820016
ENSMUSG00000004947	Dtx2	-0.049738403	0.377705199	0.652228039
ENSMUSG00000013707	Tnfaip8l2	-0.081097401	0.37765536	0.652228039
ENSMUSG00000024789	Jak2	-0.080458156	0.377805371	0.65231033
ENSMUSG00000083327	Vcp-rs	-0.022751198	0.377981009	0.652522879
ENSMUSG00000058317	Ube2e2	-0.076447162	0.378236607	0.652804238
ENSMUSG00000074178	Gm10638	-0.039229005	0.378249102	0.652804238
ENSMUSG00000019689	Fmc1	0.079903132	0.378372556	0.652890427
ENSMUSG00000032253	Phip	-0.079511756	0.378404169	0.652890427
ENSMUSG00000029554	Mad1l1	-0.07367832	0.378516335	0.65299325
ENSMUSG00000035772	Mrps2	0.07860645	0.378599449	0.653045931
ENSMUSG00000001424	Snd1	-0.081487742	0.378692192	0.6531145
ENSMUSG00000050394	Armcx6	-0.05969165	0.378744364	0.6531145
ENSMUSG00000005262	Ufd1	0.077714319	0.378910547	0.653129046
ENSMUSG00000037580	Gch1	-0.080939541	0.378839415	0.653129046
ENSMUSG00000063236	1110038F14Rik	0.072623263	0.378894653	0.653129046
ENSMUSG00000020994	Pnn	0.082336995	0.379220202	0.65339078
ENSMUSG00000031652	N4bp1	0.079973038	0.379213147	0.65339078
ENSMUSG00000075593	Gal3st4	0.077725216	0.379115203	0.65339078
ENSMUSG00000023010	Tmbim6	-0.041706645	0.379884395	0.653447454
ENSMUSG00000024914	Drap1	0.073947842	0.379744896	0.653447454
ENSMUSG00000026728	Vim	0.081023045	0.379519415	0.653447454
ENSMUSG00000031393	Mecp2	-0.080509405	0.379698247	0.653447454
ENSMUSG00000031902	Nfatc3	-0.080582193	0.379625614	0.653447454
ENSMUSG00000037355	Uvssa	-0.074621618	0.379414959	0.653447454
ENSMUSG00000039982	Dtx4	0.080405115	0.379881895	0.653447454
ENSMUSG00000040034	Nup43	0.081272282	0.37987352	0.653447454
ENSMUSG00000068206	Pick1	-0.080384138	0.379532854	0.653447454
ENSMUSG00000068394	Cep152	-0.080738712	0.379368815	0.653447454
ENSMUSG00000079065	BC005561	-0.076166179	0.37960062	0.653447454
ENSMUSG00000090659	Zfp493	-0.056339744	0.379752806	0.653447454
ENSMUSG00000048216	Gpr85	0.049155783	0.380001596	0.653558547
ENSMUSG00000028848	Gpn2	0.081074877	0.380324888	0.653842966

ENSMUSG00000036086	Zranb3	-0.066096715	0.380285345	0.653842966
ENSMUSG00000040732	Erg	0.076891417	0.380243748	0.653842966
ENSMUSG00000048878	Hexim1	0.067532121	0.38062726	0.654272238
ENSMUSG00000051498	Tlr6	-0.072690786	0.381079326	0.654958669
ENSMUSG00000064254	Ethe1	-0.077684667	0.381199377	0.655074358
ENSMUSG00000039953	Clstn1	0.055786661	0.381375229	0.65510465
ENSMUSG00000045519	Zfp560	0.08003964	0.381322087	0.65510465
ENSMUSG00000047635	2810006K23Rik	-0.077449331	0.381342496	0.65510465
ENSMUSG00000027244	Atg13	-0.079909075	0.381519432	0.655261734
ENSMUSG00000051730	Mettl5	-0.080034189	0.381575877	0.655268073
ENSMUSG00000015790	Surf1	0.072104987	0.381777008	0.655351935
ENSMUSG00000022544	Eef2kmt	0.074496612	0.381789489	0.655351935
ENSMUSG00000034168	Irf2bpl	0.044318291	0.38188852	0.655351935
ENSMUSG00000038612	Mcl1	0.075462138	0.381838127	0.655351935
ENSMUSG00000116925	Gm49776	0.054424248	0.381819441	0.655351935
ENSMUSG00000020941	Map3k14	-0.06422839	0.382155219	0.655719018
ENSMUSG00000071655	Ubxn1	0.073814854	0.382236653	0.655768158
ENSMUSG00000046791	Riox1	0.077443334	0.382292192	0.655772866
ENSMUSG00000005886	Ncoa2	0.049990036	0.382487381	0.65582046
ENSMUSG00000020801	Med31	0.078217543	0.382583935	0.65582046
ENSMUSG00000030979	Uros	-0.076201059	0.38258038	0.65582046
ENSMUSG00000058587	Tmod3	-0.06536797	0.382431583	0.65582046
ENSMUSG00000078853	Igtp	-0.077546546	0.382519492	0.65582046
ENSMUSG00000037172	E330009J07Rik	0.065348491	0.382810587	0.656118436
ENSMUSG00000116780	Gm3417	0.038878993	0.38300318	0.65635796
ENSMUSG00000017677	Wsb1	-0.071475138	0.383352545	0.656547833
ENSMUSG00000020611	Gna13	0.090410296	0.383353339	0.656547833
ENSMUSG00000026594	Ralgps2	-0.078661313	0.383378265	0.656547833
ENSMUSG00000028089	Chd1l	0.079855247	0.383217087	0.656547833
ENSMUSG00000046792	Zfp787	-0.076554019	0.383323112	0.656547833
ENSMUSG00000028199	Cryz	0.075126447	0.383561631	0.656590273
ENSMUSG00000069895	Atxn1l	-0.056769953	0.383524273	0.656590273
ENSMUSG00000113961	Gm48498	-0.052910957	0.383475734	0.656590273
ENSMUSG00000035835	Plppr3	-0.079500416	0.383871798	0.656888722
ENSMUSG00000047694	Yipf6	0.080193953	0.383928474	0.656888722
ENSMUSG00000071281	Zfp65	0.061132255	0.383947518	0.656888722
ENSMUSG00000101878	Gm8203	0.07233541	0.38381565	0.656888722
ENSMUSG00000029311	Hsd17b11	0.079439196	0.384077827	0.657021167
ENSMUSG00000026516	Nvl	0.080101747	0.384521013	0.657688723
ENSMUSG00000040599	Mis12	-0.075885	0.384668156	0.65784981
ENSMUSG00000001082	Mfsd10	0.066900424	0.385543334	0.658135766
ENSMUSG00000004394	Tmed4	-0.078993266	0.385568513	0.658135766
ENSMUSG00000015950	Ncf1	0.076094623	0.38522724	0.658135766

ENSMUSG00000022114	Spry2	0.056855049	0.385556797	0.658135766
ENSMUSG00000022452	Smdt1	0.072693877	0.385130839	0.658135766
ENSMUSG00000024298	Zfp871	-0.076802347	0.385541784	0.658135766
ENSMUSG00000029138	4930548H24Rik	-0.04257312	0.384953154	0.658135766
ENSMUSG00000030120	Mlf2	-0.073917996	0.385577165	0.658135766
ENSMUSG00000037313	Tacc3	-0.068356684	0.385479505	0.658135766
ENSMUSG00000039987	Phtf2	0.059482686	0.384949502	0.658135766
ENSMUSG00000047757	Fancb	-0.079078369	0.385330877	0.658135766
ENSMUSG00000064367	mt-Nd5	-0.075296045	0.38527936	0.658135766
ENSMUSG00000083911	Gm4342	0.062984097	0.385183496	0.658135766
ENSMUSG00000116138	C030006K11Rik	-0.069128292	0.385033468	0.658135766
ENSMUSG00000024456	Diaph1	0.061824196	0.385861063	0.658348937
ENSMUSG00000032583	Mon1a	-0.078296181	0.385815671	0.658348937
ENSMUSG00000042225	Ammecr1	0.063740468	0.385833709	0.658348937
ENSMUSG00000029591	Ung	-0.073325545	0.386011901	0.658515839
ENSMUSG00000026437	Cdk18	0.04030985	0.386089034	0.658528096
ENSMUSG00000102972	Gm37348	-0.059427731	0.38612512	0.658528096
ENSMUSG00000022020	Naa16	0.079655454	0.386245895	0.658643638
ENSMUSG00000020022	Ndufa12	0.080441096	0.386839545	0.659212017
ENSMUSG00000024516	Sec11c	0.073916731	0.386834104	0.659212017
ENSMUSG00000039850	Endov	0.076282849	0.386673646	0.659212017
ENSMUSG00000066640	Fbxl18	-0.056352191	0.386844569	0.659212017
ENSMUSG00000074629	4930518I15Rik	-0.042071709	0.38683756	0.659212017
ENSMUSG00000027167	Elp4	0.075144136	0.386978752	0.659259782
ENSMUSG00000032047	Acat1	0.067341309	0.38696299	0.659259782
ENSMUSG00000019732	Calr3	0.065181755	0.387107902	0.659389365
ENSMUSG00000022844	Pdia5	0.075740732	0.387242406	0.659437609
ENSMUSG00000028745	Capzb	-0.074031637	0.387194717	0.659437609
ENSMUSG00000044465	Fam160a2	-0.079239457	0.387378105	0.659578265
ENSMUSG00000111760	Gm48337	0.079661572	0.387510674	0.659713553
ENSMUSG00000093402	Gm18588	-0.055891118	0.387581007	0.659742865
ENSMUSG00000021846	Peli2	-0.071022272	0.387653238	0.659775399
ENSMUSG00000028776	Tinagl1	0.04929715	0.38772734	0.659811109
ENSMUSG00000028668	Eloa	-0.073473464	0.387991027	0.660078968
ENSMUSG00000033671	Cep350	-0.076415954	0.387985143	0.660078968
ENSMUSG00000030083	Abtb1	-0.078222171	0.38817034	0.660293589
ENSMUSG00000024142	Mlst8	-0.074243273	0.388252549	0.660342998
ENSMUSG00000019054	Fis1	0.069511488	0.388644883	0.660650843
ENSMUSG00000034201	Gas2l1	-0.054989547	0.388544993	0.660650843
ENSMUSG00000047832	Cdca4	0.065413466	0.388699489	0.660650843
ENSMUSG00000058073	Gm11189	0.058962506	0.38854799	0.660650843
ENSMUSG00000096696	Zfp960	-0.077716016	0.388678863	0.660650843
ENSMUSG00000011831	Evi5	-0.077656004	0.388804205	0.660679341

ENSMUSG00000017929	B4galt5	-0.063013503	0.388822638	0.660679341
ENSMUSG00000021650	Ptcd2	0.069298445	0.388942761	0.660777442
ENSMUSG00000047379	B4gat1	-0.077963439	0.388986769	0.660777442
ENSMUSG00000053030	Spink2	0.036600394	0.389060377	0.660812108
ENSMUSG00000034442	Trmt5	-0.072869202	0.389261365	0.661063086
ENSMUSG00000033423	Eri3	-0.080136095	0.389421918	0.661245338
ENSMUSG00000068966	Zbtb34	0.0579095	0.389606751	0.661468762
ENSMUSG00000028451	1700022111Rik	-0.03213627	0.389737786	0.661600799
ENSMUSG00000020228	Helb	-0.075507865	0.389812255	0.661612893
ENSMUSG00000096401	Gm21811	-0.065473334	0.389851442	0.661612893
ENSMUSG00000027589	Pcmdt2	-0.078929185	0.390198358	0.661627616
ENSMUSG00000040321	Zfp770	0.04983736	0.390021211	0.661627616
ENSMUSG00000053338	Tarm1	0.04706172	0.390232986	0.661627616
ENSMUSG00000060012	Kif13b	-0.0675538	0.390045443	0.661627616
ENSMUSG00000062456	Rpl9-ps6	-0.056340639	0.390119342	0.661627616
ENSMUSG00000064363	mt-Nd4	-0.069190344	0.390205671	0.661627616
ENSMUSG00000080999	Gm11336	0.078352813	0.390133827	0.661627616
ENSMUSG00000030031	Kbtbd8	0.038586107	0.39053986	0.661967194
ENSMUSG00000050772	Olfr1124	-0.07627746	0.390537345	0.661967194
ENSMUSG00000040345	Arhgap9	-0.077811241	0.390614484	0.662003344
ENSMUSG00000018900	Slc22a5	-0.066920653	0.390806853	0.662160561
ENSMUSG00000043036	Ccdc63	-0.066820936	0.390813869	0.662160561
ENSMUSG00000022601	Zbtb11	-0.078023342	0.39093927	0.662192374
ENSMUSG00000040659	Efhd2	-0.076793305	0.390921416	0.662192374
ENSMUSG00000048707	Tprn	-0.070437186	0.391095385	0.662366481
ENSMUSG00000000751	Rpa1	-0.077349342	0.391391985	0.662597772
ENSMUSG00000023050	Map3k12	-0.051062912	0.391329809	0.662597772
ENSMUSG00000030447	Cyfip1	-0.073334384	0.391382863	0.662597772
ENSMUSG00000020661	Dnmt3a	-0.076994159	0.391671947	0.662891028
ENSMUSG00000036875	Dna2	-0.07638594	0.391623281	0.662891028
ENSMUSG00000099583	Hist1h3d	0.040622632	0.391888401	0.663167006
ENSMUSG00000026977	March7	0.070833405	0.391996645	0.663169481
ENSMUSG00000032254	Kif23	-0.076223612	0.391988878	0.663169481
ENSMUSG00000021969	Zdhhc20	0.078738049	0.392116208	0.663211309
ENSMUSG00000027378	Nphp1	0.076844272	0.392161719	0.663211309
ENSMUSG00000051457	Spn	-0.07813947	0.392186669	0.663211309
ENSMUSG00000056116	H2-T22	-0.07682405	0.392234947	0.663211309
ENSMUSG00000064345	mt-Nd2	-0.070789819	0.392351396	0.663227639
ENSMUSG00000084071	Gm13378	0.052345222	0.392298731	0.663227639
ENSMUSG00000060579	Fhit	-0.052652871	0.392414977	0.663244853
ENSMUSG00000110777	Ifi30	0.072920935	0.392476693	0.663258911
ENSMUSG00000030064	Frmd4b	-0.028312143	0.392698557	0.663453316
ENSMUSG00000038692	Hoxb4	-0.050636566	0.392661877	0.663453316

ENSMUSG00000030670	Cyp2r1	-0.063802631	0.392815541	0.663560701
ENSMUSG00000010911	Apip	0.077079006	0.393350358	0.663832173
ENSMUSG00000024955	Esrra	-0.046170694	0.39318087	0.663832173
ENSMUSG00000025545	Clybl	0.074202761	0.39309821	0.663832173
ENSMUSG00000025931	Paqr8	0.047064169	0.393260091	0.663832173
ENSMUSG00000026923	Notch1	-0.044938944	0.393195387	0.663832173
ENSMUSG00000063870	Chd4	0.078171084	0.393200256	0.663832173
ENSMUSG00000074922	Fam122a	0.077663429	0.393308753	0.663832173
ENSMUSG00000023912	Slc25a27	-0.04089807	0.393573681	0.664028618
ENSMUSG00000080989	Gm14048	0.042256592	0.393568937	0.664028618
ENSMUSG00000000902	Smarcb1	0.066350563	0.394247735	0.664102129
ENSMUSG00000019487	Trip10	-0.068438276	0.393945224	0.664102129
ENSMUSG00000021908	Gm6768	0.078412674	0.394258844	0.664102129
ENSMUSG00000022797	Tfrc	0.037829697	0.3940632	0.664102129
ENSMUSG00000024525	Impa2	0.067631496	0.394207883	0.664102129
ENSMUSG00000026796	Fam129b	-0.028162192	0.394039776	0.664102129
ENSMUSG00000029196	Tada2b	-0.077731747	0.393844143	0.664102129
ENSMUSG00000029703	Lrwd1	0.073515363	0.394143252	0.664102129
ENSMUSG00000039804	Ncoa5	-0.069895716	0.393837559	0.664102129
ENSMUSG00000058709	Egln2	-0.077179459	0.393685893	0.664102129
ENSMUSG00000104126	Gm37486	0.071401835	0.394150624	0.664102129
ENSMUSG00000109941	Exosc6	0.078814273	0.393938019	0.664102129
ENSMUSG00000057093	Zfp607b	-0.057441624	0.39431657	0.664109304
ENSMUSG00000022095	Fam160b2	-0.073110993	0.394603583	0.664502591
ENSMUSG00000006154	Eps8l1	-0.014560468	0.394723585	0.664538033
ENSMUSG00000024135	Srbd1	0.056693828	0.394841748	0.664538033
ENSMUSG00000027253	Lrp4	-0.065482862	0.394818138	0.664538033
ENSMUSG00000031304	Il2rg	0.07812433	0.39477793	0.664538033
ENSMUSG00000116128	LT629148.8	-0.029476237	0.394892136	0.664538033
ENSMUSG00000021495	Fam193b	-0.077602033	0.395091887	0.664718137
ENSMUSG00000022519	Srl	0.048161955	0.395119073	0.664718137
ENSMUSG00000031264	Btk	0.068196028	0.395159707	0.664718137
ENSMUSG00000034641	Cd300ld	0.049388803	0.395338982	0.664929655
ENSMUSG00000004266	Ptpn6	-0.07494735	0.395498908	0.665056139
ENSMUSG00000021496	Pcbd2	0.073734677	0.395532923	0.665056139
ENSMUSG00000022721	Trmt2a	-0.067535209	0.395660993	0.665056139
ENSMUSG00000026853	Crat	0.076751929	0.395993128	0.665056139
ENSMUSG00000027428	Rbbp9	-0.07694194	0.396052161	0.665056139
ENSMUSG00000028173	Wls	-0.071922498	0.395811696	0.665056139
ENSMUSG00000028898	Trnau1ap	0.078507259	0.395658869	0.665056139
ENSMUSG00000028907	Utp11	0.074962606	0.395999974	0.665056139
ENSMUSG00000030231	Plekha5	0.056157969	0.396056699	0.665056139
ENSMUSG00000037904	Ankrd9	-0.067655761	0.396024564	0.665056139

ENSMUSG00000067873	Htatsf1	0.065065016	0.395741926	0.665056139
ENSMUSG00000101452	Gm28530	0.031021539	0.395966025	0.665056139
ENSMUSG00000035401	Emsy	-0.073442231	0.396285116	0.665349747
ENSMUSG00000042148	Cox10	0.075710553	0.396980804	0.666427702
ENSMUSG00000049658	Bdp1	0.076736514	0.397117306	0.666566765
ENSMUSG00000029563	Foxp2	-0.021817561	0.397260416	0.66671688
ENSMUSG00000022195	6030458C11Rik	-0.077197289	0.397465063	0.666880123
ENSMUSG00000026455	Klhl12	-0.075781519	0.397421355	0.666880123
ENSMUSG00000019791	Hint3	0.077076672	0.397641063	0.666905164
ENSMUSG00000039568	Ubald1	-0.0734413	0.397557827	0.666905164
ENSMUSG00000081375	Gm14686	-0.060399229	0.397639113	0.666905164
ENSMUSG00000021550	2210016F16Rik	0.070485881	0.39848536	0.668050567
ENSMUSG00000036281	Snapc4	-0.051769754	0.398401489	0.668050567
ENSMUSG00000056267	Cep70	-0.0751373	0.398468375	0.668050567
ENSMUSG00000030109	Slc6a12	-0.029254918	0.398584516	0.668126623
ENSMUSG00000012296	Tjap1	-0.06070175	0.398859522	0.668150907
ENSMUSG00000020109	Dnajb12	0.076731275	0.398734868	0.668150907
ENSMUSG00000024750	Zfand5	-0.076489422	0.399083918	0.668150907
ENSMUSG00000029613	Eif2ak1	-0.076456574	0.399245102	0.668150907
ENSMUSG00000041846	Ppp4r3a	0.076597189	0.398728467	0.668150907
ENSMUSG00000051182	Olfr655	-0.07459505	0.398980352	0.668150907
ENSMUSG00000052911	Lamb2	0.026603038	0.399062203	0.668150907
ENSMUSG00000053907	Mat2a	0.074131919	0.399292949	0.668150907
ENSMUSG00000060131	Atp8b4	-0.073714461	0.398810936	0.668150907
ENSMUSG00000068267	Cenpb	0.064510006	0.399274717	0.668150907
ENSMUSG00000078908	Mon1b	-0.07736829	0.398955149	0.668150907
ENSMUSG00000086691	Gm15432	0.072403563	0.3992983	0.668150907
ENSMUSG00000112145	Gm6218	0.05272595	0.399032264	0.668150907
ENSMUSG00000041528	Rnf123	-0.077207477	0.399516499	0.668335951
ENSMUSG00000069014	Gm5641	0.077337099	0.399498548	0.668335951
ENSMUSG00000023827	Agpat4	-0.044438942	0.399659115	0.668484496
ENSMUSG00000015224	Cyp2j9	-0.056806446	0.400064369	0.668507926
ENSMUSG00000020307	Cdc34	0.072807036	0.399798021	0.668507926
ENSMUSG00000024052	Lpin2	0.075019684	0.400103689	0.668507926
ENSMUSG00000024290	Rock1	-0.066349898	0.399884214	0.668507926
ENSMUSG00000024420	Zfp521	-0.025464355	0.400103342	0.668507926
ENSMUSG00000032673	Prorsd1	0.076416469	0.399768159	0.668507926
ENSMUSG00000043153	lspd	0.063696416	0.399945434	0.668507926
ENSMUSG00000052139	Babam2	-0.072921333	0.399904777	0.668507926
ENSMUSG00000033186	Mzt1	-0.072079324	0.400575252	0.669205812
ENSMUSG00000028862	Map3k6	0.053645031	0.400817878	0.669377758
ENSMUSG00000032601	Prkar2a	0.060761851	0.400808122	0.669377758
ENSMUSG00000040586	Ofd1	0.072680281	0.400839849	0.669377758

ENSMUSG00000020523	Fam114a2	-0.06752102	0.401100373	0.66963276
ENSMUSG00000036291	Ap5m1	-0.075866222	0.401077992	0.66963276
ENSMUSG00000038481	Cdk19	0.068763965	0.401246039	0.669785923
ENSMUSG00000037706	Cd81	0.077884382	0.401551525	0.67020579
ENSMUSG00000025937	Lactb2	0.075535707	0.401639423	0.670262432
ENSMUSG00000026304	Rab17	-0.062709855	0.401822706	0.670478215
ENSMUSG00000075132	Olfr1173	0.061608714	0.40218622	0.670994633
ENSMUSG00000024764	Naa40	-0.075697715	0.402286918	0.671072497
ENSMUSG00000039844	Rapgef1	0.074925788	0.402658971	0.671549321
ENSMUSG00000054752	Fsd1l	-0.056255677	0.40268089	0.671549321
ENSMUSG00000024833	Pola2	-0.062779957	0.403153847	0.672247809
ENSMUSG00000013033	Adgrl1	0.039930742	0.40338147	0.6724356
ENSMUSG00000030301	Ccdc91	0.035324031	0.403388086	0.6724356
ENSMUSG00000052566	Hook2	-0.076142166	0.403428878	0.6724356
ENSMUSG00000042167	Tent2	-0.068963009	0.403508877	0.672478096
ENSMUSG00000063171	Rps4l	0.074966589	0.403562654	0.672478096
ENSMUSG00000002741	Ykt6	-0.073685185	0.40394732	0.672617619
ENSMUSG00000051316	Taf7	-0.071299406	0.403860305	0.672617619
ENSMUSG00000054312	Mrps21	0.076114217	0.403919107	0.672617619
ENSMUSG00000054626	Xlr	0.047124418	0.403959876	0.672617619
ENSMUSG00000071203	Naip5	-0.066057787	0.403867019	0.672617619
ENSMUSG00000115938	Gm17241	0.065528309	0.403971293	0.672617619
ENSMUSG00000023963	Cyp39a1	-0.074857885	0.40418562	0.672884277
ENSMUSG00000053253	Ndfip2	-0.073480592	0.404334846	0.673001282
ENSMUSG00000075704	Txnrd2	0.076536909	0.404364267	0.673001282
ENSMUSG00000015714	Cers2	-0.064429019	0.404438655	0.673026078
ENSMUSG00000021577	Sdha	0.064192116	0.404575869	0.673026078
ENSMUSG00000021690	Jmy	-0.061621352	0.404595904	0.673026078
ENSMUSG00000032217	Rnf111	-0.074871584	0.404532632	0.673026078
ENSMUSG00000116330	Ifi47	0.075110934	0.404687196	0.673087796
ENSMUSG00000002222	Rmnd5a	0.06105132	0.405112295	0.673441098
ENSMUSG00000017057	Ii13ra1	0.046708342	0.405000404	0.673441098
ENSMUSG00000017801	Mlx	0.072936473	0.405141826	0.673441098
ENSMUSG00000026355	Mcm6	-0.079075427	0.405192782	0.673441098
ENSMUSG00000031015	Swap70	-0.070027753	0.40515232	0.673441098
ENSMUSG00000081671	Gm13167	0.04473447	0.405224923	0.673441098
ENSMUSG00000026473	Glul	0.074938752	0.405667984	0.674066757
ENSMUSG00000038776	Ephx1	-0.039079888	0.405800192	0.674066757
ENSMUSG00000047061	Gm9817	-0.040670371	0.405853216	0.674066757
ENSMUSG00000056592	Zfp658	-0.043787933	0.405872737	0.674066757
ENSMUSG00000115890	MF597746.1	0.042726878	0.405762703	0.674066757
ENSMUSG00000014859	E2f4	-0.077149475	0.405978276	0.674151893
ENSMUSG00000014496	Ankrd28	0.06973855	0.40632374	0.674181733

ENSMUSG00000014725	Adam28	-0.044761869	0.406636405	0.674181733
ENSMUSG00000015355	Cd48	-0.072172057	0.406616417	0.674181733
ENSMUSG00000019173	Rab5c	0.073467731	0.406549714	0.674181733
ENSMUSG00000022307	Oxr1	-0.075575565	0.406533243	0.674181733
ENSMUSG00000028096	Gpr89	0.07320045	0.406430575	0.674181733
ENSMUSG00000033826	Dnah8	-0.076026127	0.406541939	0.674181733
ENSMUSG00000035595	1600002K03Rik	0.075407622	0.406647576	0.674181733
ENSMUSG00000045107	Saysd1	-0.075608361	0.406458536	0.674181733
ENSMUSG00000053192	Mllt11	-0.073780728	0.406563509	0.674181733
ENSMUSG00000063897	CAA01118383.1	-0.070408315	0.406453951	0.674181733
ENSMUSG00000116046	AL731810.1	-0.053122724	0.406264124	0.674181733
ENSMUSG00000057375	Yipf1	0.063225616	0.406714216	0.674202226
ENSMUSG00000059970	Hspa2	0.075441949	0.406970205	0.674536552
ENSMUSG00000028403	Zdhhc21	-0.068604738	0.407325369	0.674992622
ENSMUSG00000035133	Arhgap5	0.055725407	0.407354053	0.674992622
ENSMUSG00000038539	Atf5	-0.035555963	0.40743224	0.675032126
ENSMUSG00000032867	Fbxw8	-0.073595938	0.407604681	0.67522776
ENSMUSG00000000628	Hk2	0.061725764	0.407731278	0.675279584
ENSMUSG00000006445	Epha2	-0.035396717	0.407744697	0.675279584
ENSMUSG00000021240	Abcd4	-0.072864596	0.40804914	0.675693689
ENSMUSG00000028990	Lzic	-0.070457108	0.408225785	0.675896091
ENSMUSG00000014554	Dguok	-0.067879968	0.408396118	0.676012431
ENSMUSG00000031808	Slc27a1	-0.055291564	0.408404901	0.676012431
ENSMUSG00000043323	Fbrsl1	-0.054889835	0.408541373	0.67614822
ENSMUSG00000025359	Pmel	-0.03921319	0.408847853	0.676509953
ENSMUSG00000045799	Gm9800	0.071039671	0.408868869	0.676509953
ENSMUSG00000031483	Erlin2	-0.071527557	0.408996738	0.676541281
ENSMUSG00000049134	Nrap	0.031373388	0.40897966	0.676541281
ENSMUSG00000078813	Leng1	-0.073884375	0.409156223	0.676714972
ENSMUSG00000021557	Agtppbp1	-0.075258372	0.409366456	0.676900093
ENSMUSG00000047248	C2cd3	0.070012207	0.409377143	0.676900093
ENSMUSG00000048856	Slc25a47	0.050147148	0.409439145	0.676912501
ENSMUSG00000039086	Ss18l1	-0.054451202	0.409511483	0.676941993
ENSMUSG00000047989	Ino80c	0.076835456	0.409576836	0.676959932
ENSMUSG00000004040	Stat3	-0.075116586	0.409912365	0.677064028
ENSMUSG00000016382	Pls3	-0.063880801	0.409899962	0.677064028
ENSMUSG00000021494	Ddx41	-0.071589465	0.409901423	0.677064028
ENSMUSG00000031145	Prickle3	-0.073813605	0.409728631	0.677064028
ENSMUSG00000041642	Kif21b	0.052665332	0.409825272	0.677064028
ENSMUSG00000042606	Hirip3	0.067808805	0.410016438	0.677085329
ENSMUSG00000049295	Zfp219	-0.068933379	0.410034284	0.677085329
ENSMUSG00000078429	Ctdsp2	0.074511594	0.41011113	0.677122204
ENSMUSG00000025201	Bloc1s2-ps	0.069233103	0.410266365	0.677288479

ENSMUSG00000073371	Gm6594	0.037996348	0.410708621	0.677928475
ENSMUSG00000029049	Morn1	-0.049888391	0.410775917	0.677949464
ENSMUSG00000007458	M6pr	-0.076176036	0.410838573	0.67796279
ENSMUSG00000022533	Atp13a3	0.063042799	0.411096416	0.678298164
ENSMUSG00000028602	Tnfrsf8	-0.042686696	0.411268838	0.67836902
ENSMUSG00000040429	Mterf1a	-0.073706809	0.411303204	0.67836902
ENSMUSG00000109055	Gm2676	0.034712116	0.411241324	0.67836902
ENSMUSG00000032782	Cntrob	0.057901904	0.411429123	0.67846436
ENSMUSG00000045259	Klhdc9	0.048656845	0.411470254	0.67846436
ENSMUSG00000013523	Bcas1	-0.04825074	0.411602665	0.678502549
ENSMUSG00000089808	Gm7241	-0.031210615	0.41157773	0.678502549
ENSMUSG00000040860	Crocc	0.047825897	0.411924627	0.678943179
ENSMUSG00000036986	Pml	-0.074802333	0.412091462	0.679043336
ENSMUSG00000039148	Sart1	0.06860022	0.412094732	0.679043336
ENSMUSG00000060512	0610040J01Rik	-0.074964998	0.412269825	0.679241742
ENSMUSG00000007035	Msh5	0.064109243	0.412446543	0.679276569
ENSMUSG00000018541	Cwc25	0.069862419	0.412699511	0.679276569
ENSMUSG00000022463	Srebfb2	-0.074159398	0.412728465	0.679276569
ENSMUSG00000035069	Oma1	-0.073551735	0.412613163	0.679276569
ENSMUSG00000039427	Alg1	0.072846577	0.41266059	0.679276569
ENSMUSG00000050966	Lin28a	0.030247782	0.41256599	0.679276569
ENSMUSG00000062040	Zfp27	-0.050683094	0.412466289	0.679276569
ENSMUSG00000070960	Gm19680	0.071058091	0.412398533	0.679276569
ENSMUSG00000023923	Tbc1d5	0.061267329	0.412950591	0.679421808
ENSMUSG00000032366	Tpm1	0.074712727	0.412980811	0.679421808
ENSMUSG00000073448	Gm10509	-0.04772701	0.412943187	0.679421808
ENSMUSG00000086158	Ccpg1os	0.074366543	0.413089023	0.679509833
ENSMUSG00000000811	Txnrd3	-0.071394158	0.414855223	0.679898798
ENSMUSG00000001467	Cyp51	-0.067398975	0.414679536	0.679898798
ENSMUSG00000008958	Vps72	-0.073595854	0.414546159	0.679898798
ENSMUSG00000010607	Pigyl	0.068204146	0.413823456	0.679898798
ENSMUSG00000020654	Adcy3	0.047245938	0.414306824	0.679898798
ENSMUSG00000021643	Serf1	0.071896029	0.414075472	0.679898798
ENSMUSG00000021785	Ngly1	-0.072916986	0.414107726	0.679898798
ENSMUSG00000026269	Rnpepl1	-0.052356559	0.414387476	0.679898798
ENSMUSG00000026289	Atg16l1	-0.069722522	0.41446782	0.679898798
ENSMUSG00000026580	Selp	-0.070359873	0.413861333	0.679898798
ENSMUSG00000029192	Tbc1d14	-0.057696851	0.413978548	0.679898798
ENSMUSG00000031729	Ist1	-0.073056768	0.414855997	0.679898798
ENSMUSG00000031845	Bco1	0.056024882	0.414137166	0.679898798
ENSMUSG00000032342	Mto1	-0.069114978	0.414948038	0.679898798
ENSMUSG00000032456	Nmnat3	0.074961831	0.413912639	0.679898798
ENSMUSG00000033938	Ndufb7	0.07426135	0.414542554	0.679898798

ENSMUSG00000036391	Sec24a	-0.070528815	0.414511216	0.679898798
ENSMUSG00000038843	Gcnt1	-0.072302681	0.414967618	0.679898798
ENSMUSG00000043015	Nemp2	-0.069478182	0.414603606	0.679898798
ENSMUSG00000046556	Zfp319	-0.066300938	0.413600498	0.679898798
ENSMUSG00000049502	Dtx3l	0.063889326	0.413528459	0.679898798
ENSMUSG00000070003	Ssbp4	0.069681766	0.414917521	0.679898798
ENSMUSG00000072620	Slfn2	-0.074167686	0.413798289	0.679898798
ENSMUSG00000073598	1700066B19Rik	-0.067732789	0.414665298	0.679898798
ENSMUSG00000074384	Al429214	-0.039416598	0.413838862	0.679898798
ENSMUSG00000080981	Gm12161	-0.068972169	0.41418843	0.679898798
ENSMUSG00000082465	Rps6-ps3	0.031595767	0.414834984	0.679898798
ENSMUSG00000090036	Gm15900	-0.063332129	0.414111364	0.679898798
ENSMUSG00000090362	Vmn2r79	0.052827283	0.414667444	0.679898798
ENSMUSG00000094320	Chchd2-ps	0.028163034	0.41444641	0.679898798
ENSMUSG00000030704	Rab6a	0.070379248	0.415191594	0.680086349
ENSMUSG00000034321	Exosc1	0.070818094	0.415143648	0.680086349
ENSMUSG00000030047	Arhgap25	-0.072774898	0.415385382	0.68031406
ENSMUSG00000001017	Chtop	0.066992345	0.415703838	0.68045831
ENSMUSG00000015092	Edf1	0.07245569	0.415551332	0.68045831
ENSMUSG00000024732	Ccdc86	0.073058045	0.415611559	0.68045831
ENSMUSG00000025226	Fbxl15	0.073369046	0.415645462	0.68045831
ENSMUSG00000069873	4930438A08Rik	0.072103881	0.415747373	0.68045831
ENSMUSG00000033964	Zbtb41	-0.065393628	0.41585762	0.680549078
ENSMUSG00000006731	B4galnt1	-0.071579301	0.41601908	0.68060983
ENSMUSG00000029076	Sdf4	0.062452289	0.415998939	0.68060983
ENSMUSG00000034403	Pja1	-0.070538302	0.416059129	0.68060983
ENSMUSG00000071516	Hist1h2ai	0.062354149	0.416132743	0.680640611
ENSMUSG00000030189	Ybx3	0.070317292	0.416289271	0.680689372
ENSMUSG00000059278	Naa38	0.069960387	0.416228193	0.680689372
ENSMUSG00000075289	Carns1	-0.058013066	0.416326959	0.680689372
ENSMUSG00000078681	Tm2d3	-0.070681266	0.416498008	0.68087941
ENSMUSG00000019920	Lims1	-0.073440453	0.416747072	0.680984844
ENSMUSG00000026622	Nek2	0.068517682	0.416777432	0.680984844
ENSMUSG00000030336	Cd27	-0.069582695	0.416836629	0.680984844
ENSMUSG00000043770	Gm12481	-0.067139242	0.416718292	0.680984844
ENSMUSG00000087260	Lamtor5	0.065239015	0.416794813	0.680984844
ENSMUSG00000018841	Rad51d	-0.073377987	0.417187843	0.681128526
ENSMUSG00000028557	Rnf11	0.073662824	0.417136898	0.681128526
ENSMUSG00000030108	Slc6a13	0.073391621	0.417126135	0.681128526
ENSMUSG00000053040	Aph1c	0.072690775	0.417035879	0.681128526
ENSMUSG00000080717	B230307C23Rik	-0.073464201	0.417198763	0.681128526
ENSMUSG00000022679	Mpv17l	-0.07270262	0.417364816	0.681131045
ENSMUSG00000025525	Apool	0.070744616	0.417342511	0.681131045

ENSMUSG00000038160	Atg5	0.070763067	0.417308973	0.681131045
ENSMUSG00000021466	Ptch1	0.058371185	0.417762529	0.681511475
ENSMUSG00000041135	Ripk2	0.074242688	0.417754992	0.681511475
ENSMUSG00000056536	Pign	-0.07206423	0.417728876	0.681511475
ENSMUSG00000004771	Rab11a	0.063041907	0.417870936	0.681585254
ENSMUSG00000040359	Ufl1	0.074286383	0.417917502	0.681585254
ENSMUSG00000000776	Polr3d	0.072918037	0.41798261	0.681601943
ENSMUSG00000020705	Ddx42	0.070614697	0.418077767	0.681667623
ENSMUSG00000028567	Txndc12	-0.068829747	0.418277382	0.681903579
ENSMUSG00000107145	Gm43442	-0.04309318	0.418495938	0.682170347
ENSMUSG00000021193	Pitrm1	-0.072851698	0.418765173	0.682510978
ENSMUSG00000052837	Junb	0.070898152	0.418814804	0.682510978
ENSMUSG00000030956	Fam53b	-0.05391027	0.419102723	0.682711465
ENSMUSG00000075391	Gm13443	0.07383411	0.419083521	0.682711465
ENSMUSG00000110669	Gm10060	-0.049841803	0.419083335	0.682711465
ENSMUSG00000019864	Rtn4ip1	-0.071792703	0.419379285	0.683028486
ENSMUSG00000050628	Ubald2	-0.052087517	0.419462305	0.683028486
ENSMUSG00000071645	Tut1	-0.069952569	0.419458604	0.683028486
ENSMUSG00000020840	Blmh	0.061255001	0.419642584	0.683232473
ENSMUSG00000032557	Uba5	0.068631031	0.41985878	0.683494876
ENSMUSG00000069565	Dazap1	-0.060981934	0.420050522	0.683717408
ENSMUSG00000089872	Rps6kc1	-0.054001302	0.420216408	0.683897798
ENSMUSG00000041346	Wrap53	0.072449978	0.420425456	0.68414838
ENSMUSG00000037344	Slc12a9	-0.069220532	0.420661037	0.684442066
ENSMUSG00000006134	Crkl	-0.070530436	0.420790118	0.684562417
ENSMUSG00000002455	Prpf6	0.073446357	0.42100221	0.684728094
ENSMUSG00000074166	AW146154	-0.073134961	0.420959858	0.684728094
ENSMUSG00000040713	Creg1	0.060353068	0.421377028	0.68524798
ENSMUSG00000013822	Elof1	0.072048161	0.421546394	0.685433665
ENSMUSG00000006288	Ttc5	-0.073031727	0.42166984	0.685544644
ENSMUSG00000069899	Gm12166	0.056108242	0.421801682	0.685669243
ENSMUSG00000094083	Gm1604a	0.073008877	0.421900463	0.685740075
ENSMUSG00000026956	Uap1l1	0.063992534	0.422130911	0.685865917
ENSMUSG00000029810	Tmem176b	-0.067216706	0.422143542	0.685865917
ENSMUSG00000094796	BC147527	-0.067199468	0.422042087	0.685865917
ENSMUSG00000040524	Zfp609	0.053291145	0.422269592	0.685980985
ENSMUSG00000028701	Lurap1	-0.016901787	0.422362076	0.686041499
ENSMUSG00000027495	Fam210b	0.06867649	0.422504143	0.686182527
ENSMUSG00000049882	Vcpkmt	-0.041797712	0.422626461	0.686291446
ENSMUSG00000003849	Nqo1	0.048460879	0.423040853	0.686787408
ENSMUSG00000016024	Lbp	0.072425581	0.423097758	0.686787408
ENSMUSG00000031592	Pcm1	0.073300122	0.423048121	0.686787408
ENSMUSG00000035868	Zfp983	-0.070874019	0.423196348	0.686857683

ENSMUSG00000074359	Psg23	-0.039009332	0.423261099	0.686873023
ENSMUSG00000033943	Mga	0.054998597	0.423447601	0.687085912
ENSMUSG00000031125	3830403N18Rik	-0.036047259	0.423560602	0.687179498
ENSMUSG00000035139	Secisbp2	-0.070465388	0.423642126	0.687222
ENSMUSG00000066042	Med18	0.071917432	0.423869802	0.687501542
ENSMUSG00000000915	Hip1r	-0.052128237	0.424043814	0.687538883
ENSMUSG00000002814	Top3a	-0.079084803	0.424280295	0.687538883
ENSMUSG00000007777	0610009B22Rik	-0.072660958	0.424041628	0.687538883
ENSMUSG00000020536	Llgl1	-0.066406692	0.424196837	0.687538883
ENSMUSG00000022828	Gtf2e1	0.071318989	0.424227343	0.687538883
ENSMUSG00000029366	Dck	0.072452727	0.424097376	0.687538883
ENSMUSG00000106268	Gm18492	-0.05225245	0.42424788	0.687538883
ENSMUSG00000111184	Gm49661	0.042880455	0.424414843	0.687667201
ENSMUSG00000029823	Luc7l2	-0.071577191	0.424655935	0.687968093
ENSMUSG00000073557	Ppp1r12b	-0.056571781	0.424868767	0.68822313
ENSMUSG00000028878	Fam76a	0.073121468	0.424945998	0.688224467
ENSMUSG00000037447	Arid5a	-0.071178179	0.424980409	0.688224467
ENSMUSG00000028082	Sh3d19	-0.068520313	0.425298049	0.688559315
ENSMUSG00000079557	March2	-0.068501842	0.425256229	0.688559315
ENSMUSG00000051147	Nat2	0.059754666	0.425413319	0.688656175
ENSMUSG00000052684	Jun	-0.066897599	0.425521969	0.688742295
ENSMUSG00000024959	Bad	0.064436691	0.425603486	0.688762504
ENSMUSG00000035941	Ibtk	0.064041186	0.425645357	0.688762504
ENSMUSG00000025766	D3Erttd751e	0.072826728	0.42585488	0.689011784
ENSMUSG00000018995	Nars2	0.070498165	0.425915896	0.689013141
ENSMUSG00000052794	1700030K09Rik	0.048778127	0.425966662	0.689013141
ENSMUSG00000025607	Copg2	0.050689121	0.42634017	0.689347989
ENSMUSG00000026024	Als2	0.071513153	0.426317419	0.689347989
ENSMUSG00000027381	Bcl2l11	-0.064628892	0.426301304	0.689347989
ENSMUSG00000040693	Slco4c1	0.054532648	0.426453464	0.689441426
ENSMUSG00000048000	Gigyf2	-0.062293815	0.426567177	0.689535516
ENSMUSG00000043671	Dpy19l3	-0.069262375	0.426796252	0.689816038
ENSMUSG00000002014	Ssr4	0.06503511	0.42702113	0.689987872
ENSMUSG00000002778	Kdelr1	0.061454765	0.427069218	0.689987872
ENSMUSG00000082321	Gm14253	0.008858525	0.427029719	0.689987872
ENSMUSG00000075581	Gm16409	0.022282811	0.427159217	0.690043522
ENSMUSG00000029821	Gsdme	-0.071807314	0.427582675	0.690637764
ENSMUSG00000029016	Clcn6	-0.047317868	0.427778133	0.690773815
ENSMUSG00000064030	Pym1	-0.063081859	0.427759175	0.690773815
ENSMUSG00000079038	D130040H23Rik	-0.057876012	0.427882192	0.690852036
ENSMUSG00000026790	Odf2	-0.063998035	0.427982852	0.690924747
ENSMUSG00000021595	Nsun2	0.070821945	0.428184586	0.691160591
ENSMUSG00000070025	Gm10284	0.029114147	0.42835479	0.691345484

ENSMUSG00000019804	Snx3	0.059176478	0.42856437	0.691483756
ENSMUSG00000029190	D5Ertd579e	0.072310078	0.428641546	0.691483756
ENSMUSG00000040274	Cdk6	0.068883801	0.428663145	0.691483756
ENSMUSG00000113069	Gm48541	0.030973161	0.428625747	0.691483756
ENSMUSG00000034522	Zfp395	-0.035845597	0.428836609	0.691583941
ENSMUSG00000049488	Tmem67	-0.067304757	0.42878867	0.691583941
ENSMUSG00000032602	Slc25a20	0.0721866	0.428985676	0.69173453
ENSMUSG00000070284	Gmppb	-0.071696089	0.429311555	0.692170149
ENSMUSG00000023845	Lnpep	-0.072060408	0.429496307	0.692288299
ENSMUSG00000041632	Mrps27	0.072076292	0.429473819	0.692288299
ENSMUSG00000020131	Pcsk4	0.070630575	0.429576568	0.692327825
ENSMUSG00000020023	Tmcc3	-0.032925532	0.429700334	0.692347626
ENSMUSG00000083914	Rps18-ps1	0.035487199	0.429684498	0.692347626
ENSMUSG00000024660	Incenp	-0.07092156	0.430246718	0.693066802
ENSMUSG00000066415	Msl2	-0.065610666	0.430258281	0.693066802
ENSMUSG00000030733	Sh2b1	-0.067463255	0.430533003	0.693419402
ENSMUSG00000020330	Hmmr	0.079297016	0.430950547	0.694001912
ENSMUSG00000009927	Rps25	0.068294915	0.431095134	0.694144758
ENSMUSG00000022387	Brd1	-0.070716079	0.431532734	0.694603582
ENSMUSG00000035208	Slfn8	-0.049464225	0.43154785	0.694603582
ENSMUSG00000038459	Abhd17c	-0.07135222	0.431523476	0.694603582
ENSMUSG00000001229	Dpp9	-0.07140021	0.432330329	0.695480846
ENSMUSG00000005054	Cstb	0.05852955	0.432353533	0.695480846
ENSMUSG00000019891	Dcbld1	-0.041617473	0.432375506	0.695480846
ENSMUSG00000034248	Slc25a37	-0.047586305	0.432237637	0.695480846
ENSMUSG00000036983	Tfb1m	0.069791971	0.432492656	0.695480846
ENSMUSG00000042303	Sgsm3	-0.070845783	0.432596813	0.695480846
ENSMUSG00000042305	Tmem183a	0.069188983	0.432456705	0.695480846
ENSMUSG00000054945	Gm9958	-0.037506956	0.432591779	0.695480846
ENSMUSG00000083619	Gm14414	0.054158011	0.432360822	0.695480846
ENSMUSG00000039048	Foxred1	-0.070785666	0.432780973	0.695596851
ENSMUSG00000058407	Txndc9	0.067838417	0.432774023	0.695596851
ENSMUSG00000018567	Gabarap	-0.071484767	0.43308326	0.695722603
ENSMUSG00000047953	Gp5	0.044493061	0.433041755	0.695722603
ENSMUSG00000079339	Ifit1bl1	0.034744258	0.432916954	0.695722603
ENSMUSG00000095098	Ccdc85b	-0.07081735	0.433017453	0.695722603
ENSMUSG00000008540	Mgst1	-0.071915135	0.433721877	0.695848545
ENSMUSG00000020580	Rock2	-0.066334649	0.433508791	0.695848545
ENSMUSG00000022516	Nudt16l1	0.061620803	0.433570107	0.695848545
ENSMUSG00000028957	Per3	-0.064100616	0.433708896	0.695848545
ENSMUSG00000038594	Cep85l	0.067493901	0.433295465	0.695848545
ENSMUSG00000041997	Tlk1	0.072467617	0.433633603	0.695848545
ENSMUSG00000054640	Slc8a1	0.026343579	0.433629202	0.695848545

ENSMUSG00000055436	Srsf11	0.069024888	0.433483672	0.695848545
ENSMUSG00000062421	Arf2	0.07052275	0.433295737	0.695848545
ENSMUSG00000078671	Chd2	-0.069228529	0.433539963	0.695848545
ENSMUSG00000044026	Slc35g1	0.07053023	0.434121657	0.696399987
ENSMUSG00000020955	Ap4s1	0.067704667	0.434375445	0.696627166
ENSMUSG00000115577	Gm49250	-0.040143656	0.434332485	0.696627166
ENSMUSG00000059743	Fdps	0.071377701	0.434488125	0.696717919
ENSMUSG00000044442	N6amt1	0.071950639	0.434678183	0.696932711
ENSMUSG00000026662	Sephs1	-0.067423576	0.43477021	0.696990292
ENSMUSG00000005233	Spc25	-0.068022435	0.435384814	0.697255644
ENSMUSG00000024277	Mapre2	-0.070125688	0.435246161	0.697255644
ENSMUSG00000026174	Cnot9	-0.067426806	0.435262654	0.697255644
ENSMUSG00000031600	Vps37a	-0.070450462	0.435289212	0.697255644
ENSMUSG00000044024	Rell2	-0.040286032	0.43534613	0.697255644
ENSMUSG00000054920	Klhl5	-0.066942173	0.435161386	0.697255644
ENSMUSG00000059273	Zc3h4	-0.05243528	0.435105165	0.697255644
ENSMUSG00000109378	Gm49396	-0.044094015	0.435202805	0.697255644
ENSMUSG00000021890	Eaf1	-0.06853905	0.435599246	0.697267075
ENSMUSG00000038963	Slco4a1	-0.070997549	0.435587894	0.697267075
ENSMUSG00000055723	Rras2	0.055435568	0.435616497	0.697267075
ENSMUSG00000057229	Dmac2	-0.064833201	0.435552933	0.697267075
ENSMUSG00000030337	Vamp1	-0.040242637	0.4359314	0.697681217
ENSMUSG00000108162	Gm20589	-0.037643109	0.4359963	0.697695187
ENSMUSG00000004446	Bid	-0.066707194	0.436170378	0.697723798
ENSMUSG00000049686	Orai1	-0.062872931	0.436182698	0.697723798
ENSMUSG00000049969	Plekhf2	-0.066052004	0.436111238	0.697723798
ENSMUSG00000078789	Dph1	0.071089274	0.436352319	0.697905248
ENSMUSG00000026775	Yme1l1	-0.069668764	0.436884228	0.698398193
ENSMUSG00000036561	Ppp6r2	-0.047864764	0.436771727	0.698398193
ENSMUSG00000038213	Tapbp1	-0.064814157	0.43694166	0.698398193
ENSMUSG00000079710	Gm3448	-0.047776538	0.436882647	0.698398193
ENSMUSG00000081534	Slc48a1	-0.064438951	0.43688787	0.698398193
ENSMUSG00000003438	Timm50	0.067905707	0.43707699	0.698446297
ENSMUSG00000024228	Nudt12	-0.048960772	0.437084218	0.698446297
ENSMUSG00000042595	Fam199x	0.05154106	0.437441985	0.698917082
ENSMUSG00000066553	Gm6969	0.05525806	0.437491371	0.698917082
ENSMUSG00000031622	Sin3b	0.062028225	0.437658488	0.698977045
ENSMUSG00000049687	Pheta2	-0.059310457	0.437693919	0.698977045
ENSMUSG00000098076	Gm6981	0.042759202	0.437697726	0.698977045
ENSMUSG00000016757	Ttll12	-0.068043422	0.437904892	0.699010713
ENSMUSG00000034220	Gpc1	-0.058790577	0.437782411	0.699010713
ENSMUSG00000061046	Haghl	0.066867949	0.437865366	0.699010713
ENSMUSG00000061619	Vma21-ps	0.063056442	0.437943915	0.699010713

ENSMUSG00000046341	Gm11223	0.058649021	0.438003736	0.69901637
ENSMUSG00000005907	Pex1	0.070027543	0.438315279	0.699330946
ENSMUSG00000023883	Phf10	0.069007268	0.438363063	0.699330946
ENSMUSG00000030245	Golt1b	0.069079497	0.438369757	0.699330946
ENSMUSG00000035151	Elmod2	-0.055224922	0.438468469	0.699398595
ENSMUSG00000068015	Lrch1	-0.054194845	0.438611213	0.69953645
ENSMUSG00000000838	Fmr1	0.066826004	0.438846463	0.699821789
ENSMUSG00000001786	Fbxo7	-0.069779312	0.439262938	0.699944336
ENSMUSG00000032329	Hmg20a	-0.07032383	0.439116871	0.699944336
ENSMUSG00000033047	Eif3l	0.063164113	0.439157833	0.699944336
ENSMUSG00000033949	Trim36	-0.040067394	0.439264159	0.699944336
ENSMUSG00000034826	Nup54	-0.064746407	0.439239923	0.699944336
ENSMUSG00000038822	Hace1	-0.062349425	0.43911339	0.699944336
ENSMUSG00000047123	Ticam1	-0.057514795	0.439317772	0.699944336
ENSMUSG00000003680	Taf6l	-0.069832768	0.439474322	0.700014177
ENSMUSG00000046982	Tshz1	-0.06863839	0.439449855	0.700014177
ENSMUSG00000025223	Ldb1	-0.060684599	0.439652692	0.700208499
ENSMUSG00000025410	Dctn2	0.069353403	0.439721531	0.70022835
ENSMUSG00000070855	Olfr1116	-0.042272057	0.439984143	0.700556728
ENSMUSG00000033429	Mcee	0.060058169	0.440396617	0.701033754
ENSMUSG00000090035	Galnt4	-0.068072108	0.440377423	0.701033754
ENSMUSG00000024670	Cd6	0.040625982	0.440583767	0.701241795
ENSMUSG00000036523	Greb1	0.023154616	0.440787144	0.701475607
ENSMUSG00000000826	Dnajc5	0.067467236	0.440866593	0.701512164
ENSMUSG00000025257	Ribc1	0.03439064	0.44092623	0.70151719
ENSMUSG00000025195	Dnmbp	-0.0650297	0.441008444	0.701558131
ENSMUSG00000025050	Pcgf6	0.06842025	0.441249783	0.701701508
ENSMUSG00000058174	Gm5148	0.068480958	0.441164198	0.701701508
ENSMUSG00000095403	Gm21092	-0.039570796	0.441268053	0.701701508
ENSMUSG00000030629	Zfand6	-0.062231091	0.441544318	0.702050945
ENSMUSG00000002997	Prkar2b	0.063010132	0.44185465	0.702364552
ENSMUSG00000027937	Jtb	0.062344159	0.441831956	0.702364552
ENSMUSG00000025790	Slco3a1	-0.068591518	0.442036173	0.702473299
ENSMUSG00000026819	Slc25a25	-0.050080674	0.44198845	0.702473299
ENSMUSG00000116340	AC225888.1	0.052152387	0.442203591	0.702649457
ENSMUSG00000046519	Golph3l	-0.069481808	0.442460326	0.702967473
ENSMUSG00000025571	Tnrc6c	0.061387295	0.442665038	0.703202767
ENSMUSG00000066877	Nck2	-0.064149128	0.442723789	0.703206162
ENSMUSG00000024104	Washc2	0.064933674	0.442782146	0.703208929
ENSMUSG00000028411	Aptx	0.06992736	0.443057156	0.703472391
ENSMUSG00000054484	Tmem62	0.06507729	0.443061308	0.703472391
ENSMUSG00000030162	Olr1	0.062962851	0.443241902	0.703669181
ENSMUSG00000033499	Larp4b	-0.067776889	0.443301092	0.703673209

ENSMUSG00000001576	Ergic1	0.068387662	0.44357405	0.704016519
ENSMUSG000000046139	Patl1	-0.069225868	0.444035384	0.704589586
ENSMUSG000000063172	Hspb11	-0.06244398	0.444048569	0.704589586
ENSMUSG000000025574	Tk1	0.059369345	0.444326952	0.704941254
ENSMUSG000000049536	Tceal1	-0.035302999	0.444970046	0.705871384
ENSMUSG000000070427	Il18bp	0.046977012	0.44503384	0.705882433
ENSMUSG000000072694	1500011B03Rik	0.070546859	0.445114417	0.705920093
ENSMUSG000000021123	Rdh12	0.069318312	0.445353007	0.705994795
ENSMUSG000000028719	Cmpk1	0.056132214	0.445388875	0.705994795
ENSMUSG000000039783	Kmo	-0.065503197	0.445250031	0.705994795
ENSMUSG000000074151	Nlrc5	-0.048914142	0.445312271	0.705994795
ENSMUSG000000029469	Ift81	-0.052087356	0.445522536	0.706026464
ENSMUSG000000037119	Fam91a1	0.065449741	0.445486245	0.706026464
ENSMUSG000000005824	Tnfsf14	0.069052709	0.445674252	0.70605049
ENSMUSG000000026096	Osgepl1	0.069029114	0.445729658	0.70605049
ENSMUSG000000027962	Vcam1	-0.069020959	0.445614134	0.70605049
ENSMUSG000000035399	Oser1	-0.069011797	0.44576507	0.70605049
ENSMUSG000000039450	Dcxr	-0.063523863	0.445916868	0.70620087
ENSMUSG000000025049	Taf5	0.061930173	0.446000138	0.706242696
ENSMUSG000000074213	Gm10642	-0.034890257	0.446081249	0.706281096
ENSMUSG000000031608	Galnt7	0.069316671	0.446210077	0.706395025
ENSMUSG000000027498	Cstf1	-0.069361024	0.446408229	0.706396473
ENSMUSG000000037656	Slc20a2	-0.068135683	0.446354991	0.706396473
ENSMUSG000000045316	Fahd1	0.06684523	0.446438476	0.706396473
ENSMUSG00000113240	Gm48338	0.046709947	0.446382151	0.706396473
ENSMUSG000000026177	Slc11a1	0.029104239	0.446525532	0.706412596
ENSMUSG000000040957	Cables1	-0.068532107	0.44656241	0.706412596
ENSMUSG000000025959	Klf7	-0.05798032	0.446949591	0.706904323
ENSMUSG000000037808	Fam76b	0.063855859	0.446987082	0.706904323
ENSMUSG000000060032	H2afj	-0.067536587	0.447102126	0.706996246
ENSMUSG000000005566	Trim28	0.066136339	0.447385551	0.707303316
ENSMUSG000000022313	Utp23	0.069460347	0.447505825	0.707303316
ENSMUSG000000026213	Stk11ip	-0.046796085	0.447629492	0.707303316
ENSMUSG000000028653	Trit1	-0.068927991	0.447637981	0.707303316
ENSMUSG000000031698	Mylk3	0.021385623	0.447598503	0.707303316
ENSMUSG000000091905	Gm6395	-0.068348404	0.447442547	0.707303316
ENSMUSG000000074277	Phldb3	-0.03787643	0.447826966	0.707511924
ENSMUSG000000028398	Dmac1	0.059715372	0.448271947	0.707987269
ENSMUSG000000038569	Rad9b	-0.040892893	0.448355838	0.707987269
ENSMUSG000000039997	Ifi203	0.068633842	0.448263	0.707987269
ENSMUSG000000062081	Gm6055	0.067754166	0.448319587	0.707987269
ENSMUSG000000024181	Mrpl28	0.066861776	0.448716072	0.708375995
ENSMUSG000000081071	Gm9836	-0.06903188	0.448665176	0.708375995

ENSMUSG0000000326	Comt	0.058928183	0.449044511	0.708804406
ENSMUSG00000002015	Bcap31	0.069181622	0.449176251	0.708884747
ENSMUSG000000026360	Rgs2	0.066573582	0.449258202	0.708884747
ENSMUSG000000053730	Tmem39b	-0.06304313	0.449266623	0.708884747
ENSMUSG000000038205	Prkab2	-0.03930559	0.449353007	0.708930992
ENSMUSG000000039738	Slx4	0.054243494	0.449578927	0.709197339
ENSMUSG000000021635	Rad17	-0.064017177	0.449850297	0.709380478
ENSMUSG000000024603	Dctn4	0.067876392	0.449922219	0.709380478
ENSMUSG000000031220	Awat2	0.040393067	0.449923469	0.709380478
ENSMUSG000000036721	Zscan12	-0.06777687	0.449770611	0.709380478
ENSMUSG000000039530	Tusc3	0.067730072	0.450055202	0.709498117
ENSMUSG000000031583	Wrn	0.068825346	0.450222602	0.709582486
ENSMUSG000000068732	Tmem167b	-0.068228142	0.450222975	0.709582486
ENSMUSG000000046962	Zbtb21	-0.066106776	0.450313945	0.709635816
ENSMUSG000000023030	Slc11a2	-0.067609598	0.450545957	0.70991137
ENSMUSG000000046185	Zfp84	-0.06827358	0.450877984	0.710344424
ENSMUSG000000022023	Wbp4	0.061488858	0.451073718	0.710524436
ENSMUSG000000055692	Tmem191c	-0.068214416	0.45110665	0.710524436
ENSMUSG000000020277	Pfkl	-0.066932551	0.451181068	0.710551547
ENSMUSG00000002580	Mien1	0.060206014	0.451454316	0.710891742
ENSMUSG000000039910	Cited2	-0.068611595	0.451558686	0.710965958
ENSMUSG000000004561	Mettl17	-0.066773566	0.451738152	0.710978153
ENSMUSG000000029571	Tmem106b	0.065971109	0.451656419	0.710978153
ENSMUSG000000034021	Pds5b	0.067369645	0.451693539	0.710978153
ENSMUSG000000037348	Paqr7	-0.067889907	0.452005283	0.711048353
ENSMUSG000000039218	Srrm2	0.068237887	0.451913704	0.711048353
ENSMUSG000000051721	Wdcp	0.066545201	0.452000589	0.711048353
ENSMUSG000000079962	Gm12643	0.039419532	0.452011738	0.711048353
ENSMUSG000000027353	Mcm8	-0.068002812	0.452102149	0.711084071
ENSMUSG000000028484	Psip1	0.062317297	0.452250336	0.711084071
ENSMUSG000000029048	Rer1	0.06115725	0.452186665	0.711084071
ENSMUSG000000029104	Htt	0.053722816	0.452263438	0.711084071
ENSMUSG000000020777	Acox1	-0.067280681	0.452388578	0.711094917
ENSMUSG000000025036	Sfxn2	0.065838122	0.452440317	0.711094917
ENSMUSG000000026031	Cflar	-0.064468194	0.452442084	0.711094917
ENSMUSG000000025266	Gnl3l	0.065697058	0.452507191	0.711107264
ENSMUSG000000073198	Bnip3l-ps	-0.066744001	0.452629102	0.711208865
ENSMUSG000000030177	Ccdc77	-0.067746338	0.452997603	0.711623299
ENSMUSG00000101939	Gm28438	-0.05702427	0.453007441	0.711623299
ENSMUSG000000042501	Cpa6	0.037001793	0.453562703	0.712345414
ENSMUSG000000050912	Tmem123	-0.063217026	0.453581828	0.712345414
ENSMUSG000000026048	Erc5	0.063389866	0.453687708	0.712394585
ENSMUSG000000056458	Mok	-0.060800135	0.453727845	0.712394585

ENSMUSG00000058267	Mrps14	0.077346834	0.453912019	0.712589929
ENSMUSG00000076621	Ighj1	-0.04064391	0.453967	0.712589929
ENSMUSG00000041921	Metap1d	0.067747124	0.454501625	0.713338979
ENSMUSG00000021211	Akr1c12	-0.055186979	0.454748618	0.713465077
ENSMUSG00000024132	Eci1	0.066693676	0.454665879	0.713465077
ENSMUSG00000043207	Zmpste24	0.066701712	0.454754288	0.713465077
ENSMUSG00000029387	Gtf2h3	0.06794307	0.455022358	0.713795492
ENSMUSG00000024036	Slc37a1	-0.067817436	0.455125482	0.713867106
ENSMUSG00000002846	Timmcdc1	-0.045771148	0.455405431	0.71412585
ENSMUSG00000070733	Fryl	0.057311401	0.455393615	0.71412585
ENSMUSG00000092305	Prps1l1	0.03114836	0.455527144	0.714226541
ENSMUSG00000042712	Tceal9	0.058812579	0.455629209	0.714296404
ENSMUSG00000033985	Tesk2	-0.056602562	0.455797208	0.714469601
ENSMUSG00000019027	Dnah1	0.042501794	0.455908954	0.714554589
ENSMUSG00000038007	Acer2	0.034032893	0.456084185	0.714648878
ENSMUSG00000040022	Rab11fip2	-0.064584677	0.456042957	0.714648878
ENSMUSG00000038042	Ptpdc1	-0.032083365	0.456153415	0.714667202
ENSMUSG00000111375	Btbd8	-0.051063334	0.456481853	0.715091574
ENSMUSG00000032103	Pus3	0.067742094	0.45658826	0.715168067
ENSMUSG00000016344	Ppdpf	0.058528919	0.456920613	0.715508186
ENSMUSG00000032388	Spg21	-0.065299261	0.456888023	0.715508186
ENSMUSG00000046994	Mars2	0.066547176	0.457037057	0.715600313
ENSMUSG00000029557	Mrm2	0.065283688	0.457165211	0.715631049
ENSMUSG00000090258	Churc1	-0.064656818	0.457171916	0.715631049
ENSMUSG00000007039	Ddah2	-0.044480157	0.457319792	0.71577232
ENSMUSG00000022586	Ly6i	-0.058195358	0.457502119	0.715787104
ENSMUSG00000026879	Gsn	-0.064063929	0.457445935	0.715787104
ENSMUSG00000090841	Myl6	0.053253588	0.457435149	0.715787104
ENSMUSG00000019945	Cabcoco1	0.050497133	0.457721102	0.715859206
ENSMUSG00000025156	Gps1	-0.060732509	0.45762994	0.715859206
ENSMUSG00000097906	Gm9625	0.037146491	0.457703692	0.715859206
ENSMUSG00000027305	Ndufaf1	0.058914583	0.457791225	0.715878737
ENSMUSG00000031355	Arhgap6	-0.034554234	0.457982733	0.716088058
ENSMUSG00000026820	Ptges2	-0.066050697	0.458216059	0.716182418
ENSMUSG00000031601	Cnot7	0.067657501	0.458175648	0.716182418
ENSMUSG00000036916	Zfp280c	0.067504172	0.458201118	0.716182418
ENSMUSG00000025651	Uqcrc1	0.06759302	0.458437285	0.716265373
ENSMUSG00000031938	4931406C07Rik	-0.064631665	0.45843939	0.716265373
ENSMUSG00000038738	Shank1	-0.066588212	0.458499797	0.716265373
ENSMUSG00000040195	Nemp1	-0.065418812	0.458463879	0.716265373
ENSMUSG00000029433	Diablo	0.058543476	0.458914536	0.716818417
ENSMUSG00000038398	Upf3a	0.062924156	0.458969235	0.716818417
ENSMUSG00000029480	Dhx37	0.067336387	0.459205385	0.717097069

ENSMUSG0000002658	Gtf2f1	0.059134606	0.459574971	0.717147978
ENSMUSG00000020589	Fam49a	-0.065913057	0.459935833	0.717147978
ENSMUSG00000022707	Gbe1	-0.063361388	0.459321733	0.717147978
ENSMUSG00000023953	Polh	0.053986493	0.459945462	0.717147978
ENSMUSG00000025436	Atp23	0.066430711	0.459637872	0.717147978
ENSMUSG00000032285	Dnaja4	-0.031536942	0.459772214	0.717147978
ENSMUSG00000035234	Abraxas1	-0.068625522	0.459876585	0.717147978
ENSMUSG00000037470	Uggt1	-0.061108521	0.459988563	0.717147978
ENSMUSG00000052557	Gan	-0.051988403	0.459381238	0.717147978
ENSMUSG00000070565	Rasal2	-0.042322476	0.459496415	0.717147978
ENSMUSG00000072437	Nanos1	-0.049898928	0.459680897	0.717147978
ENSMUSG00000075014	Gm10800	-0.014463045	0.459829824	0.717147978
ENSMUSG00000105827	Hist2h2bb	-0.051590167	0.459554168	0.717147978
ENSMUSG00000082705	Gm15616	0.045171926	0.460218339	0.717416163
ENSMUSG00000079491	H2-T10	-0.056325518	0.460344051	0.717501104
ENSMUSG00000095595	Fam177a	0.05735833	0.460388359	0.717501104
ENSMUSG00000006301	Tmbim1	-0.064611806	0.460491418	0.717571685
ENSMUSG00000006517	Mvd	-0.064201433	0.460594337	0.717642029
ENSMUSG00000059119	Nap1l4	-0.063313383	0.460935359	0.718083293
ENSMUSG00000019861	Gopc	-0.066640774	0.46139209	0.718083578
ENSMUSG00000020530	Ggnbp2	0.062027429	0.461847603	0.718083578
ENSMUSG00000020961	Ston2	0.060883271	0.461640769	0.718083578
ENSMUSG00000024098	Twsg1	-0.05881452	0.461605941	0.718083578
ENSMUSG00000032238	Rora	-0.034486504	0.461860535	0.718083578
ENSMUSG00000036327	Qsox2	0.063163597	0.461709686	0.718083578
ENSMUSG00000037089	Slc35b2	0.062279276	0.461579439	0.718083578
ENSMUSG00000037400	Atp11b	-0.067023387	0.461820118	0.718083578
ENSMUSG00000040455	Usp45	-0.052864021	0.461249977	0.718083578
ENSMUSG00000058927	Gm10053	0.067120434	0.461354896	0.718083578
ENSMUSG00000060791	Gmfg	0.075663575	0.461042061	0.718083578
ENSMUSG00000063077	Kif1b	-0.059082252	0.461543464	0.718083578
ENSMUSG00000063802	Hspbp1	0.059907558	0.461538419	0.718083578
ENSMUSG00000083007	Gm13623	0.034034969	0.461584599	0.718083578
ENSMUSG00000091876	Gm3851	0.063410907	0.461193043	0.718083578
ENSMUSG00000111594	Gm3365	-0.061239239	0.461518423	0.718083578
ENSMUSG00000055817	Mta3	-0.065515459	0.461974318	0.718170588
ENSMUSG00000041935	AW549877	-0.060318106	0.462166407	0.718245239
ENSMUSG00000043445	Pgp	0.065153051	0.462151478	0.718245239
ENSMUSG00000049723	Mmp12	-0.041642742	0.462195813	0.718245239
ENSMUSG00000017376	Nlk	0.04259875	0.462728428	0.718842772
ENSMUSG00000037907	Ankrd13b	0.049458925	0.462663214	0.718842772
ENSMUSG00000074165	Zfp788	0.061653705	0.462753949	0.718842772
ENSMUSG00000063358	Mapk1	0.076136087	0.462839419	0.718885634

ENSMUSG00000009876	Cox4i2	-0.040232422	0.463193718	0.719256054
ENSMUSG00000059588	Calcl	0.032104673	0.463142648	0.719256054
ENSMUSG00000014402	Tsg101	-0.063436745	0.463536785	0.719632763
ENSMUSG00000022048	Dpysl2	-0.063063783	0.463552189	0.719632763
ENSMUSG00000041837	Pdcd7	-0.062490328	0.46365073	0.719695791
ENSMUSG00000102048	Gm6075	0.041869173	0.463761386	0.719777605
ENSMUSG00000034459	Ifit1	-0.044620988	0.46386423	0.719847277
ENSMUSG00000003418	St8sia6	-0.035718814	0.463949193	0.719889185
ENSMUSG00000029059	Fam213b	-0.064397675	0.464089061	0.720016267
ENSMUSG00000021569	Trip13	0.06486193	0.464157915	0.720033154
ENSMUSG00000026917	Wdr5	0.062791851	0.464356675	0.720251531
ENSMUSG00000049577	Zfpm1	-0.024403294	0.464504612	0.720391033
ENSMUSG00000042472	Zfp410	-0.064861694	0.46476938	0.72071167
ENSMUSG00000001156	Mxd1	-0.051055688	0.464991287	0.720828131
ENSMUSG00000005102	Eif2ak4	0.048481072	0.465553892	0.720828131
ENSMUSG00000021806	Nid2	0.032460644	0.465548982	0.720828131
ENSMUSG00000022895	Ets2	-0.051331682	0.465575487	0.720828131
ENSMUSG00000030691	Fchsd2	0.051138815	0.465472094	0.720828131
ENSMUSG00000036615	Rfxap	-0.063605284	0.465451893	0.720828131
ENSMUSG00000037364	Srrt	0.063681753	0.465452976	0.720828131
ENSMUSG00000041440	Gk5	0.048380757	0.465082021	0.720828131
ENSMUSG00000045962	Wnk1	0.06440106	0.465321728	0.720828131
ENSMUSG00000059811	Atl2	-0.065990768	0.465002378	0.720828131
ENSMUSG00000066632	Pgk1-rs7	-0.030698085	0.465621509	0.720828131
ENSMUSG00000072762	4930522L14Rik	-0.065996209	0.465656946	0.720828131
ENSMUSG00000094786	Gm14403	-0.037841529	0.465526152	0.720828131
ENSMUSG00000096356	Olfr889	-0.059919348	0.465565466	0.720828131
ENSMUSG00000024357	Sil1	0.058758363	0.46582809	0.72088793
ENSMUSG00000095567	Noc2l	-0.062762503	0.465851638	0.72088793
ENSMUSG00000110545	Gm7730	0.035015534	0.465869689	0.72088793
ENSMUSG00000054519	Zfp867	-0.032417231	0.465977034	0.720964217
ENSMUSG00000067038	Rps12-ps3	0.064013981	0.466232275	0.721269284
ENSMUSG00000018659	Pnpo	0.058543155	0.466439063	0.721319671
ENSMUSG00000029097	Trmt44	-0.057431103	0.466332338	0.721319671
ENSMUSG00000041444	Arhgap32	-0.027851916	0.466405113	0.721319671
ENSMUSG00000027677	Ttc14	-0.065005588	0.466685725	0.721611278
ENSMUSG00000066798	Zbtb6	-0.05482927	0.466827858	0.721741203
ENSMUSG00000115991	Slfn2	-0.055440798	0.467103438	0.722077388
ENSMUSG00000062169	Cnih4	0.064573666	0.467338552	0.722261062
ENSMUSG00000113242	Gm48016	-0.038295768	0.46730767	0.722261062
ENSMUSG00000023913	Pla2g7	0.044053128	0.467522813	0.722366074
ENSMUSG00000037266	Rsrp1	-0.065380028	0.467480614	0.722366074
ENSMUSG00000023284	Zfp605	-0.065132765	0.46783207	0.72257123

ENSMUSG00000029684	Wasl	-0.064130735	0.467888286	0.72257123
ENSMUSG00000032306	Mpi	0.064177057	0.467850276	0.72257123
ENSMUSG00000112022	Gm2436	0.043204265	0.467814454	0.72257123
ENSMUSG00000021392	Nol8	0.066073025	0.467984421	0.722629848
ENSMUSG00000026171	Rnf25	-0.063757413	0.468155005	0.722713657
ENSMUSG00000037921	Ddx60	-0.048148994	0.468155067	0.722713657
ENSMUSG00000074403	Hist2h3b	-0.053065051	0.468430528	0.723049035
ENSMUSG00000031217	Efnb1	-0.041792039	0.468599697	0.723220283
ENSMUSG00000029276	Glmn	0.065806932	0.468765616	0.723225834
ENSMUSG00000042029	Ncapg2	0.064982345	0.468777972	0.723225834
ENSMUSG00000096160	Gm3436	-0.057181999	0.468728242	0.723225834
ENSMUSG00000001127	Araf	-0.059208788	0.46887426	0.723242101
ENSMUSG00000032786	Alas1	-0.058883683	0.468904971	0.723242101
ENSMUSG00000032067	Pts	0.06256649	0.46899166	0.723285995
ENSMUSG00000022191	Drosha	-0.06542682	0.469175587	0.723479821
ENSMUSG00000000957	Mmp14	-0.045667151	0.469622965	0.723540914
ENSMUSG00000022514	Il1rap	-0.063088494	0.469520778	0.723540914
ENSMUSG00000028331	Trmo	0.061463973	0.469342664	0.723540914
ENSMUSG00000037020	Wdr62	-0.060447463	0.469465309	0.723540914
ENSMUSG00000039208	Metrl	0.062642256	0.46947396	0.723540914
ENSMUSG00000042870	Tom1	-0.064716045	0.469388961	0.723540914
ENSMUSG00000045071	E130308A19Rik	-0.063836657	0.469622896	0.723540914
ENSMUSG00000019813	Cep57l1	-0.057311715	0.470168615	0.723842881
ENSMUSG00000034738	Nostrin	0.06563289	0.470155741	0.723842881
ENSMUSG00000037957	Wdr20	-0.063543081	0.470112511	0.723842881
ENSMUSG00000039345	Mettl22	0.064864304	0.469985187	0.723842881
ENSMUSG00000049382	Krt8	-0.045521278	0.47012	0.723842881
ENSMUSG00000080941	Gm16056	0.065517067	0.469928841	0.723842881
ENSMUSG00000026037	Orc2	0.065151591	0.470332934	0.724006118
ENSMUSG00000043909	Trp53bp1	-0.057444697	0.470423949	0.72405649
ENSMUSG00000078889	Gm14288	-0.014962979	0.470497674	0.724080238
ENSMUSG00000096887	Gm20594	0.046498692	0.470632834	0.724198517
ENSMUSG00000025978	Rftn2	-0.031067821	0.470812069	0.724213156
ENSMUSG00000034926	Dhcr24	-0.061694954	0.470742703	0.724213156
ENSMUSG00000039903	Eva1c	-0.035624926	0.470817264	0.724213156
ENSMUSG00000020056	Washc3	0.058932593	0.4709417	0.72422519
ENSMUSG00000059263	Usp47	0.065235431	0.470909571	0.72422519
ENSMUSG00000034639	Setmar	0.057595396	0.471028099	0.724268385
ENSMUSG00000029456	Acad10	0.038862918	0.471110475	0.724305386
ENSMUSG00000009092	Derl3	0.042723148	0.471378254	0.724448068
ENSMUSG00000018372	Cep95	0.06283014	0.471264021	0.724448068
ENSMUSG00000026698	Pigc	-0.061547243	0.471327431	0.724448068
ENSMUSG00000000340	Dbt	0.06198846	0.47156601	0.724455934

ENSMUSG00000030846	Tial1	0.064931061	0.471616672	0.724455934
ENSMUSG00000048039	Isg20l2	0.06478445	0.471514395	0.724455934
ENSMUSG00000055782	Abcd2	-0.064646262	0.471477349	0.724455934
ENSMUSG00000054414	Slc30a7	-0.061403619	0.471734052	0.724546637
ENSMUSG00000034269	Setd5	0.059648749	0.471861892	0.724653382
ENSMUSG00000023919	Cenpq	0.060725441	0.472077676	0.724895143
ENSMUSG00000021978	Extl3	-0.045861277	0.472215306	0.72496233
ENSMUSG00000048546	Tob2	-0.053258577	0.472240944	0.72496233
ENSMUSG00000066442	Mthfs	0.065183582	0.472296528	0.72496233
ENSMUSG00000055639	Dach1	0.047535932	0.472369696	0.724985049
ENSMUSG00000039886	Tmem120a	0.06233984	0.472570013	0.725202883
ENSMUSG00000003812	Dnase2a	-0.064535933	0.473271889	0.725333403
ENSMUSG00000016495	Plgrkt	0.06181871	0.473482609	0.725333403
ENSMUSG00000021396	Nxn12	-0.033221925	0.472888007	0.725333403
ENSMUSG00000021681	Aggf1	0.063751918	0.472882189	0.725333403
ENSMUSG00000024597	Slc12a2	0.043749443	0.473297695	0.725333403
ENSMUSG00000028634	Hivep3	-0.049764273	0.473253908	0.725333403
ENSMUSG00000029126	Nsg1	-0.027435179	0.473589397	0.725333403
ENSMUSG00000029535	Triap1	0.064946554	0.473457057	0.725333403
ENSMUSG00000029822	Osbpl3	0.062745702	0.473401079	0.725333403
ENSMUSG00000029864	Gstk1	-0.063097405	0.4731125	0.725333403
ENSMUSG00000033373	Fntb	-0.062723716	0.473515646	0.725333403
ENSMUSG00000033685	Ucp2	-0.065168239	0.473213644	0.725333403
ENSMUSG00000040247	Tbc1d10c	-0.06320358	0.473556765	0.725333403
ENSMUSG00000050668	Gpatch11	-0.059634919	0.473076007	0.725333403
ENSMUSG00000058793	Cds2	-0.064874852	0.472787021	0.725333403
ENSMUSG00000102412	Cd28	-0.044683543	0.473304154	0.725333403
ENSMUSG00000018363	Smurf2	0.06209041	0.473761077	0.725506884
ENSMUSG00000027478	Dnmt3b	0.06507381	0.473847264	0.725549417
ENSMUSG00000027940	Tpm3	0.051875748	0.473919084	0.725569943
ENSMUSG00000018752	Tnfrsfm13	-0.06092997	0.474237446	0.725724925
ENSMUSG00000032127	Vps11	-0.062209546	0.474254023	0.725724925
ENSMUSG00000037234	Hook3	-0.060942756	0.474093216	0.725724925
ENSMUSG00000046991	Wdr27	0.043794659	0.474243686	0.725724925
ENSMUSG00000037260	Hgsnat	-0.063360457	0.474356342	0.725745679
ENSMUSG00000080021	Gm5915	0.034984579	0.474384443	0.725745679
ENSMUSG00000027012	Dync1i2	-0.056629573	0.474690738	0.725946031
ENSMUSG00000038502	Ptov1	-0.056888962	0.474630586	0.725946031
ENSMUSG00000043602	Zfp3	-0.04755801	0.474690321	0.725946031
ENSMUSG00000032834	Pwp2	0.064281234	0.474868564	0.726128578
ENSMUSG00000033430	Terf2ip	-0.062327797	0.475076181	0.726356627
ENSMUSG00000048668	Rhno1	-0.0630717	0.475315911	0.726633715
ENSMUSG00000035227	Spcs2	0.063855303	0.475736824	0.72718768

ENSMUSG00000022386	Trmu	-0.061877429	0.475950853	0.727425316
ENSMUSG00000024048	Myl12a	0.061235167	0.476068939	0.727516277
ENSMUSG00000071267	Zfp942	-0.062936099	0.476756647	0.728477588
ENSMUSG00000041623	D11Wsu47e	-0.062578237	0.476818666	0.728482737
ENSMUSG00000000531	Grasp	0.040965858	0.477196693	0.728716433
ENSMUSG00000021686	Ap3b1	0.064994769	0.477151318	0.728716433
ENSMUSG00000030107	Usp18	-0.03626949	0.477206301	0.728716433
ENSMUSG00000073889	Ii11ra1	0.063123474	0.477088455	0.728716433
ENSMUSG00000035325	Sec31a	-0.062692879	0.477371528	0.728879133
ENSMUSG00000035047	Kri1	-0.049954858	0.477441763	0.728896772
ENSMUSG00000051306	Usp42	0.053720375	0.477898446	0.729414672
ENSMUSG00000062753	Al413582	-0.060451458	0.477872459	0.729414672
ENSMUSG00000022760	Thap7	-0.061103706	0.478190835	0.729731814
ENSMUSG00000028756	Pink1	-0.058560818	0.478223731	0.729731814
ENSMUSG00000035863	Palm	-0.059248914	0.478327961	0.729761478
ENSMUSG00000053835	H2-T24	-0.056983555	0.478360676	0.729761478
ENSMUSG00000005804	Bloc1s6	-0.062657425	0.478493052	0.729873781
ENSMUSG00000023140	Reg2	0.037165086	0.478592805	0.7299363
ENSMUSG00000031078	Cttn	0.048551514	0.479012298	0.730350078
ENSMUSG00000038949	Cnst	-0.063762892	0.479040503	0.730350078
ENSMUSG00000101972	Hist1h3i	-0.036181033	0.478962558	0.730350078
ENSMUSG00000054321	Taf4b	0.056788803	0.479120347	0.730382159
ENSMUSG00000026565	Pou2f1	-0.040760981	0.479706558	0.731186055
ENSMUSG00000036473	Tbc1d24	-0.034025515	0.47980038	0.731239328
ENSMUSG00000084274	Gm12504	0.041073734	0.480029976	0.731499489
ENSMUSG00000026357	Rgs18	-0.060619521	0.480137501	0.73157359
ENSMUSG00000111939	Gm48177	-0.037886946	0.480413884	0.731904925
ENSMUSG00000018796	Acsl1	-0.063462844	0.48095143	0.732174337
ENSMUSG00000022812	Gsk3b	0.062703445	0.481062295	0.732174337
ENSMUSG00000024576	Csnk1a1	0.058628954	0.48069035	0.732174337
ENSMUSG00000024896	Minpp1	-0.05546619	0.481014606	0.732174337
ENSMUSG00000027368	Dusp2	0.054559242	0.48090345	0.732174337
ENSMUSG00000033581	Igf2bp2	-0.057014297	0.480998178	0.732174337
ENSMUSG00000033983	Coil	-0.063032943	0.480820843	0.732174337
ENSMUSG00000041303	Gtf3c3	0.054494037	0.480972855	0.732174337
ENSMUSG00000026778	Prkcq	-0.034039249	0.481302052	0.732373924
ENSMUSG00000072235	Tuba1a	0.064218016	0.481311355	0.732373924
ENSMUSG00000001930	Vwf	0.022209645	0.481454605	0.73241245
ENSMUSG00000037885	Stk35	-0.062634407	0.481423969	0.73241245
ENSMUSG00000025793	Hgs	-0.056299528	0.481763399	0.732709634
ENSMUSG00000028587	Orc1	-0.049869323	0.48176794	0.732709634
ENSMUSG00000028744	Pqlc2	-0.060727876	0.481934831	0.732873719
ENSMUSG00000022947	Cbr3	0.034066097	0.482208473	0.733110161

ENSMUSG00000031107	Rbmx2	0.063726278	0.482253015	0.733110161
ENSMUSG00000033066	Gas7	0.054526504	0.48226738	0.733110161
ENSMUSG00000024735	Prpf19	-0.060227002	0.482387569	0.733179443
ENSMUSG00000032376	Usp3	0.057568041	0.482431011	0.733179443
ENSMUSG00000069307	Hist1h2bq	-0.0601955	0.482702508	0.733502307
ENSMUSG00000078496	Zfp982	-0.044782003	0.48283359	0.733611746
ENSMUSG00000064138	Fam172a	-0.059038374	0.482922867	0.733657648
ENSMUSG00000008435	Rdh13	-0.062925877	0.48322541	0.73375829
ENSMUSG00000033458	Fan1	-0.039002555	0.483192133	0.73375829
ENSMUSG00000033972	Zfp944	-0.062901264	0.48318316	0.73375829
ENSMUSG00000067878	Map7d3	-0.062419992	0.483135932	0.73375829
ENSMUSG00000090150	Acad11	-0.069664263	0.483419691	0.733963572
ENSMUSG00000037416	Dmxl1	0.047497483	0.483630328	0.734193633
ENSMUSG00000079192	AC125149.1	0.056912595	0.483719453	0.734239193
ENSMUSG00000028184	Adgrl2	0.027338938	0.483800258	0.734272118
ENSMUSG00000002963	Pnkp	-0.061753321	0.484626116	0.734334264
ENSMUSG00000006998	Psm2	0.061927135	0.484206808	0.734334264
ENSMUSG00000009941	Nxf2	-0.04979883	0.48401758	0.734334264
ENSMUSG00000019478	Rab4a	0.041589806	0.484658557	0.734334264
ENSMUSG00000022378	Fam49b	0.052901923	0.484385045	0.734334264
ENSMUSG00000027959	Sass6	-0.062564532	0.48419768	0.734334264
ENSMUSG00000029790	Cep41	0.06349036	0.483906302	0.734334264
ENSMUSG00000030474	Siglece	0.063051792	0.484394554	0.734334264
ENSMUSG00000039914	Coq10a	-0.06176866	0.484506517	0.734334264
ENSMUSG00000041740	Rnf10	-0.062434678	0.484443768	0.734334264
ENSMUSG00000058706	0610030E20Rik	-0.060916631	0.484163036	0.734334264
ENSMUSG00000060519	Tor3a	-0.058571415	0.484362612	0.734334264
ENSMUSG00000074088	Snrnp40	0.056616558	0.484668891	0.734334264
ENSMUSG00000078197	Gm17374	0.059639439	0.484451339	0.734334264
ENSMUSG00000073423	Zfp414	-0.059000524	0.484742894	0.73435681
ENSMUSG00000020170	Frs2	-0.047714549	0.485102095	0.734721755
ENSMUSG00000023004	Tuba1b	0.05605132	0.48505102	0.734721755
ENSMUSG00000035623	Rsf1	-0.062786261	0.48524628	0.734850529
ENSMUSG00000032565	Nudt16	-0.061938285	0.485369175	0.734947035
ENSMUSG00000018339	Gpx3	-0.062817187	0.485569071	0.735160096
ENSMUSG00000005718	Tfap4	-0.04188007	0.486338537	0.735382207
ENSMUSG00000025982	Sf3b1	0.061792905	0.486251632	0.735382207
ENSMUSG00000026547	Tagln2	0.059383744	0.486367026	0.735382207
ENSMUSG00000027651	Rprd1b	0.058909324	0.485992101	0.735382207
ENSMUSG00000028622	Mrpl37	0.062435043	0.486081566	0.735382207
ENSMUSG00000028977	Casz1	-0.062824206	0.48586987	0.735382207
ENSMUSG00000042079	Hnrnpf	-0.056480538	0.486069702	0.735382207
ENSMUSG00000043635	Adamts3	-0.053697905	0.486294171	0.735382207

ENSMUSG00000052013	Btla	0.048336678	0.485781274	0.735382207
ENSMUSG00000079056	Kcnp3	-0.063218577	0.486350544	0.735382207
ENSMUSG00000082016	Pgam1-ps2	-0.062679489	0.485945557	0.735382207
ENSMUSG00000034486	Gbx2	-0.055897905	0.486478669	0.735461484
ENSMUSG00000021476	Habp4	-0.05530541	0.486540706	0.735465754
ENSMUSG00000019518	Ap4m1	-0.062095043	0.486871968	0.735876943
ENSMUSG00000079109	Pms2	-0.074146419	0.486945188	0.735898064
ENSMUSG00000027671	Actl6a	0.063797128	0.487072618	0.736001093
ENSMUSG00000036214	Znrd1as	0.059438967	0.48717952	0.736073084
ENSMUSG00000004285	Atp6v1f	0.056522306	0.487512851	0.736294257
ENSMUSG00000028521	Slc35d1	-0.057404638	0.487740854	0.736294257
ENSMUSG00000030703	Gdpd3	0.059193599	0.487471053	0.736294257
ENSMUSG00000033106	Slc7a6os	-0.063479005	0.48763531	0.736294257
ENSMUSG00000033149	Phldb2	0.029913926	0.487691466	0.736294257
ENSMUSG00000037536	Fbxo34	0.05998798	0.487633055	0.736294257
ENSMUSG00000080839	Gm11625	0.039405348	0.487609832	0.736294257
ENSMUSG00000063556	Gm10132	0.010758516	0.48803386	0.73664705
ENSMUSG00000006010	Odr4	0.056090161	0.488340576	0.736840862
ENSMUSG00000021572	Cep72	-0.062314539	0.488672931	0.736840862
ENSMUSG00000021814	Anxa7	0.053162375	0.48865217	0.736840862
ENSMUSG00000027519	Rab22a	0.062747571	0.48868998	0.736840862
ENSMUSG00000028962	Slc4a2	-0.043711524	0.48834642	0.736840862
ENSMUSG00000034748	Sirt6	0.061705811	0.488669135	0.736840862
ENSMUSG00000034858	Fam214a	-0.047403431	0.48867891	0.736840862
ENSMUSG00000035172	Plekhh3	-0.026277797	0.488648176	0.736840862
ENSMUSG00000093942	Olfra46	0.043895126	0.488696162	0.736840862
ENSMUSG00000020883	Fbxl20	-0.060546397	0.489360843	0.736887403
ENSMUSG00000021714	Cenpk	0.060804312	0.48929196	0.736887403
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ENSMUSG00000022575	Gsdmd	-0.060693773	0.489727867	0.736887403
ENSMUSG00000024847	Aip	-0.059592342	0.488959217	0.736887403
ENSMUSG00000025724	Sec11a	0.057637876	0.488955468	0.736887403
ENSMUSG00000027822	Slc33a1	-0.058446565	0.489716065	0.736887403
ENSMUSG00000028889	Yrdc	0.060881729	0.489338004	0.736887403
ENSMUSG00000034484	Snx2	0.062623806	0.48973557	0.736887403
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ENSMUSG00000042380	Smim12	0.054462836	0.489139438	0.736887403
ENSMUSG00000051978	Erich1	0.061627635	0.48913166	0.736887403
ENSMUSG00000082665	Gm11470	0.042679943	0.489439694	0.736887403
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ENSMUSG00000099634	Gm29462	0.044279923	0.489225672	0.736887403

ENSMUSG00000116048	Sept2	-0.061178003	0.489841817	0.736957995
ENSMUSG00000012126	Ubxn11	-0.057444155	0.490271813	0.737247723
ENSMUSG00000023045	Soat2	-0.042670379	0.490193762	0.737247723
ENSMUSG00000024145	Pigf	0.061836335	0.490123491	0.737247723
ENSMUSG00000027710	Acad9	0.057111349	0.490266915	0.737247723
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ENSMUSG00000030493	Faap24	0.06118145	0.490467824	0.737303843
ENSMUSG00000070709	Zfp974	-0.038019065	0.490417781	0.737303843
ENSMUSG00000019857	Asf1a	0.062153406	0.49066999	0.737331616
ENSMUSG00000032403	2300009A05Rik	0.06226257	0.490762551	0.737331616
ENSMUSG00000042104	Uggt2	0.022238945	0.490802496	0.737331616
ENSMUSG00000074247	Dda1	-0.051288628	0.490608021	0.737331616
ENSMUSG00000111064	Gm30285	-0.036751483	0.490780275	0.737331616
ENSMUSG00000022016	Akap11	0.059771001	0.491223034	0.737727614
ENSMUSG00000026229	Psm1	0.05556564	0.491135167	0.737727614
ENSMUSG00000033460	Armcx1	-0.049816878	0.491244272	0.737727614
ENSMUSG00000020003	Pex7	0.062183075	0.491534667	0.737925195
ENSMUSG00000047417	Rexo1	-0.057775323	0.491530825	0.737925195
ENSMUSG00000056459	Zbtb25	-0.061858686	0.491554066	0.737925195
ENSMUSG00000001018	Snapin	-0.059846196	0.491809298	0.738219129
ENSMUSG00000029482	Aacs	-0.059612613	0.491995441	0.7384093
ENSMUSG00000016252	Atp5e	-0.059735477	0.492263556	0.738722439
ENSMUSG00000021519	Mterf3	-0.061308916	0.492527691	0.738852987
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ENSMUSG00000028995	Fam126a	-0.050670242	0.493156196	0.739490215
ENSMUSG00000041769	Ppp2r2d	0.060172475	0.493191928	0.739490215
ENSMUSG00000063145	Bbs5	0.061631189	0.493596553	0.740007579
ENSMUSG00000024691	Fam111a	0.061512053	0.49378834	0.740071786
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ENSMUSG00000007721	Ccdc124	0.061865738	0.494215185	0.740488156
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ENSMUSG00000089951	Gm14435	0.017216261	0.49438772	0.740657324
ENSMUSG00000032042	Srpr	0.060636223	0.494477392	0.740702326
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ENSMUSG00000027010	Slc25a12	0.062590294	0.495042348	0.741191056
ENSMUSG00000037415	Ranbp10	-0.056273024	0.495037541	0.741191056
ENSMUSG00000066979	Bub3	-0.061047432	0.494945512	0.741191056
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ENSMUSG00000035198	Tubg1	-0.05369981	0.495174904	0.741267572

ENSMUSG00000063410	Stk24	-0.058345707	0.495379979	0.741428451
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ENSMUSG00000026028	Trak2	-0.032560916	0.496411773	0.742346572
ENSMUSG00000062627	Mysm1	0.060721798	0.496494608	0.742356396
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ENSMUSG00000048271	Rbm33	0.056210912	0.496956615	0.742624893
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ENSMUSG00000031478	Nek3	-0.042174927	0.497366563	0.742969343
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ENSMUSG00000004846	Plod3	-0.06058087	0.497763241	0.743383097
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ENSMUSG00000032470	Mras	-0.058749026	0.499625612	0.744999967
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ENSMUSG00000012076	Brms1l	-0.060156825	0.500444669	0.745952626
ENSMUSG00000067942	Zfp160	0.049867476	0.500817419	0.746418666
ENSMUSG00000020716	Nf1	0.033778163	0.501131462	0.74670752
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ENSMUSG00000035778	Ggta1	-0.057813484	0.501278275	0.746760221
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ENSMUSG00000078350	Smim1	-0.014930156	0.501296729	0.746760221
ENSMUSG00000023828	Slc22a3	-0.031751878	0.501550841	0.746787205
ENSMUSG00000026922	Agpat2	0.060956783	0.501435255	0.746787205

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ENSMUSG00000001964	Emd	-0.058632662	0.502203024	0.747036768
ENSMUSG00000013663	Pten	0.061154057	0.502018578	0.747036768
ENSMUSG00000020380	Rad50	-0.057521006	0.502322249	0.747036768
ENSMUSG00000025262	Fam120c	-0.053734267	0.502203197	0.747036768
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ENSMUSG00000031570	Plpp5	0.061500938	0.502283809	0.747036768
ENSMUSG00000054967	Zfp647	-0.038597001	0.502202292	0.747036768
ENSMUSG00000078490	Cfap74	-0.03450588	0.502209839	0.747036768
ENSMUSG00000034771	Tle2	-0.0282025	0.502572878	0.747104447
ENSMUSG00000066000	Zfp979	0.033742141	0.502600818	0.747104447
ENSMUSG00000097075	Cdiptos	-0.047593552	0.502554014	0.747104447
ENSMUSG00000034621	Gpatch8	-0.060568903	0.503124983	0.74744217
ENSMUSG00000034868	Myl12b	-0.048557475	0.503128894	0.74744217
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ENSMUSG00000020130	Tbc1d15	0.054115623	0.503457839	0.7475732
ENSMUSG00000025077	Dclre1a	-0.05857433	0.503450411	0.7475732
ENSMUSG00000075074	Olfir1254	-0.054606476	0.503379983	0.7475732
ENSMUSG00000041143	Tmco4	-0.056477866	0.503649898	0.747768992
ENSMUSG00000032766	Gng11	0.061641524	0.503883688	0.748026687
ENSMUSG00000001627	Ifrd1	0.056565543	0.504887967	0.748269721
ENSMUSG00000002428	Hltf	-0.059107227	0.504518716	0.748269721
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ENSMUSG00000035901	Dennd5a	0.058738856	0.504399903	0.748269721
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ENSMUSG00000037997	Parp11	-0.061394287	0.504745308	0.748269721
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ENSMUSG00000063605	Ccdc102a	-0.042125078	0.504198165	0.748269721
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ENSMUSG00000039470	Zdhhc2	0.051524457	0.504962677	0.748286974
ENSMUSG00000021546	Hnrnpk	0.054471898	0.50555927	0.748712289
ENSMUSG00000022957	Itns1	-0.043871167	0.505611358	0.748712289

ENSMUSG00000023147	Wrb	-0.058605825	0.505610202	0.748712289
ENSMUSG00000025484	Bet1l	-0.057437348	0.505354869	0.748712289
ENSMUSG00000029600	Rita1	-0.056804908	0.505565184	0.748712289
ENSMUSG00000081622	Gm5937	0.041308988	0.5054569	0.748712289
ENSMUSG00000036835	Psenen	0.05768796	0.505744456	0.748820109
ENSMUSG00000002781	Tmem143	0.04172784	0.505856987	0.74887859
ENSMUSG00000031537	lkbkb	-0.059457128	0.505904537	0.74887859
ENSMUSG00000027130	Slc12a6	-0.048058461	0.506012507	0.748949161
ENSMUSG00000020594	Pum2	0.058134082	0.50615861	0.748986907
ENSMUSG00000030380	Mzf1	0.032642556	0.506099307	0.748986907
ENSMUSG00000027459	Fam110a	-0.059004481	0.506265383	0.749027158
ENSMUSG00000035278	Plekhj1	0.053519824	0.506306418	0.749027158
ENSMUSG00000003037	Rab8a	-0.058065376	0.506375403	0.74904
ENSMUSG00000024953	Prdx5	0.049924367	0.506499033	0.749044469
ENSMUSG00000045435	Tmem60	0.059769492	0.506452802	0.749044469
ENSMUSG00000031262	Cenpi	0.059608346	0.506664526	0.749110829
ENSMUSG00000031684	Slc10a7	0.043175017	0.506651525	0.749110829
ENSMUSG00000062949	Atp11c	0.059954619	0.506801497	0.749224161
ENSMUSG00000060450	Rnf14	-0.059625037	0.506868279	0.749233713
ENSMUSG00000012117	Dhdds	-0.059480196	0.506999099	0.749248758
ENSMUSG00000073607	Gm10548	0.017383101	0.506981381	0.749248758
ENSMUSG00000018677	Slc25a39	0.055062723	0.507137035	0.749363445
ENSMUSG00000034254	Agpat1	-0.047481973	0.507198632	0.749365316
ENSMUSG00000030423	Pop4	0.053462505	0.507370775	0.749530495
ENSMUSG00000035329	Fbxo33	0.057899063	0.507491878	0.749620242
ENSMUSG00000032046	Abhd12	-0.056256501	0.507967129	0.750233021
ENSMUSG00000032898	Fbxo21	-0.053867914	0.508112905	0.750269899
ENSMUSG00000072780	Vmn2r24	-0.038384825	0.508104602	0.750269899
ENSMUSG00000000759	Tubgcp3	-0.059429836	0.508221757	0.750341429
ENSMUSG00000041360	Pum3	0.056494022	0.508298036	0.750364857
ENSMUSG00000032417	Rwdd2a	-0.057843491	0.508371697	0.750384415
ENSMUSG00000100595	Gm19087	0.057429098	0.508739349	0.750837862
ENSMUSG00000030275	Etnk1	0.056677243	0.508986348	0.751022396
ENSMUSG00000038095	Sbno1	0.056603376	0.509011494	0.751022396
ENSMUSG00000052798	Nup107	-0.059631672	0.509045773	0.751022396
ENSMUSG00000020366	Mapk9	-0.058945973	0.510294607	0.751347714
ENSMUSG00000022420	Dnal4	-0.056573411	0.509973558	0.751347714
ENSMUSG00000022557	Bop1	0.048283684	0.509464395	0.751347714
ENSMUSG00000024269	Tpgs2	0.054416965	0.510251652	0.751347714
ENSMUSG00000024805	Pcgf5	0.057444555	0.509917568	0.751347714
ENSMUSG00000027615	Hps3	-0.05853635	0.510180565	0.751347714
ENSMUSG00000030082	Sec61a1	-0.059681824	0.510056461	0.751347714
ENSMUSG00000032192	Gnb5	-0.041681271	0.509564721	0.751347714

ENSMUSG00000036057	Ptpn23	0.034681219	0.509604005	0.751347714
ENSMUSG00000037236	Matr3	0.051155547	0.510099012	0.751347714
ENSMUSG00000047766	Lrrc49	-0.04636051	0.510035042	0.751347714
ENSMUSG00000049606	Zfp644	-0.05720342	0.509677112	0.751347714
ENSMUSG00000054855	Rnd1	-0.056411511	0.510208382	0.751347714
ENSMUSG00000066357	Wdr6	-0.056211244	0.509418822	0.751347714
ENSMUSG00000074141	Ii4i1	0.024499336	0.510051861	0.751347714
ENSMUSG00000084830	Gm14539	0.05534338	0.510229515	0.751347714
ENSMUSG00000095115	Itpripl2	0.04696442	0.510103543	0.751347714
ENSMUSG00000101355	Hist1h3h	0.019297585	0.510468032	0.751513978
ENSMUSG00000004698	Hdac9	-0.051048491	0.510943005	0.751589657
ENSMUSG00000024926	Kat5	-0.058359531	0.510633896	0.751589657
ENSMUSG00000025993	Slc40a1	-0.058471355	0.510884561	0.751589657
ENSMUSG00000041319	Thoc6	0.057312732	0.510896389	0.751589657
ENSMUSG00000042616	Oscp1	-0.054766017	0.510854765	0.751589657
ENSMUSG00000101800	Rnf170-ps	-0.03358084	0.510916472	0.751589657
ENSMUSG00000101865	Gm9775	-0.033247194	0.510714053	0.751589657
ENSMUSG00000018501	Ncor1	-0.056989871	0.511609571	0.752032863
ENSMUSG00000021185	Dglucy	-0.056946037	0.511728666	0.752032863
ENSMUSG00000025823	Pdia4	0.059464408	0.511425942	0.752032863
ENSMUSG00000030867	Plk1	-0.056086564	0.511725359	0.752032863
ENSMUSG00000031516	Dctn6	0.058010262	0.511711426	0.752032863
ENSMUSG00000040482	Dxo	-0.054759289	0.511399452	0.752032863
ENSMUSG00000042073	Abhd14b	-0.05832951	0.511654491	0.752032863
ENSMUSG00000078779	Zfp59	-0.048645836	0.511610195	0.752032863
ENSMUSG00000063760	Rnf217	-0.056325654	0.511802115	0.752051824
ENSMUSG00000024043	Arhgap28	-0.026466683	0.512170916	0.752187267
ENSMUSG00000032436	Cmtm7	-0.058512406	0.512180207	0.752187267
ENSMUSG00000038368	Focad	0.052422048	0.512197078	0.752187267
ENSMUSG00000073139	Tmem185a	-0.054698152	0.512107073	0.752187267
ENSMUSG00000116090	Rpl19-ps6	0.029232543	0.51198378	0.752187267
ENSMUSG00000008140	Emc10	-0.061868283	0.51235138	0.752209621
ENSMUSG00000026544	Dusp23	-0.055942979	0.512328861	0.752209621
ENSMUSG00000050954	Zfp169	0.032432558	0.512393978	0.752209621
ENSMUSG00000044250	Pced1b	-0.036777843	0.512716126	0.752593595
ENSMUSG00000027014	Cwc22	0.059220205	0.512861541	0.752718091
ENSMUSG00000064127	Med14	0.058484365	0.512935777	0.752738101
ENSMUSG00000028790	Khdrbs1	0.058998727	0.513143223	0.75295357
ENSMUSG00000041685	Fcho2	-0.052743071	0.513578524	0.753503289
ENSMUSG00000051235	Gen1	-0.055744486	0.513738447	0.753648902
ENSMUSG00000024393	Prrc2a	-0.047953639	0.514050652	0.754017849
ENSMUSG00000004591	Pkn2	0.058444912	0.514150588	0.754075388
ENSMUSG00000020794	Ube2g1	-0.058175099	0.514397778	0.754348855

ENSMUSG00000064317	Gm10146	0.058257778	0.514481786	0.754382984
ENSMUSG0000006024	Napa	-0.057202076	0.514985901	0.754765766
ENSMUSG00000027641	Rbl1	-0.052014194	0.514927598	0.754765766
ENSMUSG00000036822	Topors	-0.050872941	0.514961735	0.754765766
ENSMUSG00000068798	Rap1a	-0.046717011	0.514917657	0.754765766
ENSMUSG00000025423	Pias2	0.057271884	0.515145885	0.754911165
ENSMUSG00000031387	Renbp	-0.058863599	0.515392881	0.755184025
ENSMUSG00000021646	Mccc2	0.058066662	0.515473572	0.755213167
ENSMUSG00000027242	Wdr76	0.058284053	0.515589078	0.7552314
ENSMUSG00000035759	Bbs10	-0.032319714	0.515616675	0.7552314
ENSMUSG00000073471	Rsph3a	-0.056198313	0.515668424	0.7552314
ENSMUSG00000045211	Nudt18	-0.053442587	0.515744644	0.755253976
ENSMUSG00000040820	Hlcs	0.049440088	0.516109051	0.755698518
ENSMUSG00000035473	Galm	-0.055687007	0.516343313	0.755952416
ENSMUSG00000062929	Cfl2	-0.054147408	0.516513363	0.756112254
ENSMUSG00000051124	Gimap9	0.056598469	0.516589033	0.756133913
ENSMUSG00000038886	Man2a2	0.034909115	0.516790087	0.756178475
ENSMUSG00000057234	Mettl15	-0.058111757	0.516751835	0.756178475
ENSMUSG00000112101	Gm47924	0.016803164	0.516802116	0.756178475
ENSMUSG00000057914	Cacnb2	0.034452266	0.517334971	0.756868984
ENSMUSG00000114279	Hist1h2bm	0.041681044	0.51743623	0.756927972
ENSMUSG00000024218	Taf11	0.055595681	0.517851993	0.757446963
ENSMUSG00000025544	Tm9sf2	-0.055217034	0.518212977	0.757885716
ENSMUSG00000030888	Rrp8	-0.056054359	0.518402069	0.758073004
ENSMUSG00000029128	Rab28	0.058930916	0.518474333	0.758077944
ENSMUSG00000063455	D630045J12Rik	-0.03852925	0.518527511	0.758077944
ENSMUSG00000030878	Cdr2	-0.041785932	0.518669314	0.758094697
ENSMUSG00000099647	Gm5776	0.057516129	0.518604214	0.758094697
ENSMUSG00000107928	Gm45140	0.055101022	0.51872207	0.758094697
ENSMUSG00000066362	Rps13-ps1	-0.056609532	0.518942404	0.758327482
ENSMUSG00000031295	Phka2	-0.045701302	0.519069562	0.758424072
ENSMUSG00000017119	Nbr1	-0.047349604	0.519280324	0.758585834
ENSMUSG00000037463	Fbxo27	0.041520961	0.519345966	0.758585834
ENSMUSG00000041132	N4bp2l1	-0.056689214	0.519363492	0.758585834
ENSMUSG00000006389	Mpl	0.02491555	0.519685295	0.758966614
ENSMUSG00000035674	Ndufa3	0.054582389	0.519827253	0.758995452
ENSMUSG00000041153	Osgin2	-0.055900679	0.519818052	0.758995452
ENSMUSG00000044345	Marveld1	-0.057100922	0.520000412	0.75915904
ENSMUSG00000005610	Eif4g2	0.057068182	0.520612351	0.759168756
ENSMUSG00000016619	Nup50	0.056107616	0.520295892	0.759168756
ENSMUSG00000019214	Chtf18	-0.056841389	0.520187734	0.759168756
ENSMUSG00000025159	Mms19	-0.041859885	0.520369608	0.759168756
ENSMUSG00000026981	Il1rn	0.03017289	0.520675274	0.759168756

ENSMUSG00000027901	Dennd2d	-0.053202955	0.520354931	0.759168756
ENSMUSG00000040618	Pck2	-0.057742312	0.520679384	0.759168756
ENSMUSG00000044224	Dnajc21	0.05513548	0.520527351	0.759168756
ENSMUSG00000045251	Zfp688	-0.05760217	0.520553672	0.759168756
ENSMUSG00000047409	Ctdspl	0.057855035	0.520514026	0.759168756
ENSMUSG00000079470	Utp14b	0.040250839	0.520567091	0.759168756
ENSMUSG00000024072	Yipf4	0.057868335	0.520883976	0.759199703
ENSMUSG00000027164	Traf6	-0.05575305	0.520768757	0.759199703
ENSMUSG00000030156	Cd69	0.057423731	0.520872793	0.759199703
ENSMUSG00000018733	Pex12	-0.049858658	0.521099793	0.759294623
ENSMUSG00000039285	Azi2	0.055483748	0.521111188	0.759294623
ENSMUSG00000068874	Selenbp1	-0.057443598	0.52119362	0.759294623
ENSMUSG00000090762	Vmn2r56	0.03028641	0.521138297	0.759294623
ENSMUSG00000068299	Nat8f4	-0.029862091	0.521516782	0.759676316
ENSMUSG00000045441	Gprin3	-0.028513543	0.521775842	0.759964556
ENSMUSG00000026384	Ptpn4	-0.02847152	0.522034868	0.760252679
ENSMUSG00000004100	Ppan	-0.049847644	0.522245912	0.760381722
ENSMUSG00000034789	Rab24	-0.051137178	0.522212449	0.760381722
ENSMUSG00000024429	Gnl1	0.057250614	0.522314014	0.760391745
ENSMUSG00000073096	Lrrc61	-0.040772732	0.522488372	0.760556436
ENSMUSG00000028093	Acp6	-0.050638586	0.522819483	0.760860081
ENSMUSG00000051790	Nlgn2	0.037478416	0.522759528	0.760860081
ENSMUSG00000032498	Mlh1	-0.057231312	0.522893992	0.760879367
ENSMUSG00000047434	Xxylt1	-0.049325215	0.523234302	0.761247893
ENSMUSG00000062078	Qk	-0.055189278	0.523269826	0.761247893
ENSMUSG00000038225	Primpol	-0.034536663	0.523396714	0.761282123
ENSMUSG00000109510	Gm42417	0.033167938	0.523415935	0.761282123
ENSMUSG00000002992	Apoc2	-0.050825836	0.523548669	0.761386023
ENSMUSG00000032314	Etfa	0.056031887	0.523816466	0.761449919
ENSMUSG00000036676	Tmtc3	-0.035249601	0.523899123	0.761449919
ENSMUSG00000040850	Psme4	0.040077357	0.52385738	0.761449919
ENSMUSG00000061981	Flot2	-0.056642569	0.523805489	0.761449919
ENSMUSG00000075033	Nxpe3	-0.048996236	0.523818202	0.761449919
ENSMUSG00000069302	Hist1h2ah	0.04212782	0.524006777	0.761517278
ENSMUSG00000027230	Creb3l1	-0.052254567	0.524300223	0.761774388
ENSMUSG00000029029	Wrap73	-0.055543738	0.524306356	0.761774388
ENSMUSG00000021188	Trip11	0.057104455	0.524576476	0.762077708
ENSMUSG00000061130	Ppm1b	-0.05558746	0.524666736	0.762119697
ENSMUSG00000020893	Per1	0.028385079	0.524934886	0.762152685
ENSMUSG00000034647	Ankrd12	-0.055842882	0.524787398	0.762152685
ENSMUSG00000035268	Pkig	-0.047336242	0.524862435	0.762152685
ENSMUSG00000047371	Zfp768	-0.055537953	0.52487483	0.762152685
ENSMUSG00000040043	Rbms2	-0.048856679	0.525098749	0.762301492

ENSMUSG00000021540	Smad5	0.049839375	0.525230995	0.76240437
ENSMUSG00000004661	Arid3b	-0.022132759	0.525805312	0.763148841
ENSMUSG00000030494	Rhpn2	0.041265879	0.525987884	0.76332463
ENSMUSG00000036955	Kif1bp	-0.056722649	0.52616682	0.763495102
ENSMUSG00000094379	Vmn1r202	-0.043100703	0.526482091	0.76386334
ENSMUSG00000089631	Gm16326	0.024473763	0.526744969	0.764155485
ENSMUSG00000054199	Gon4l	0.055694703	0.526829317	0.764188596
ENSMUSG00000030123	Plxnd1	0.046490829	0.526924021	0.764236719
ENSMUSG00000009569	Mrtfb	-0.051166817	0.52713734	0.764293603
ENSMUSG00000026197	Zfand2b	-0.053704534	0.527042938	0.764293603
ENSMUSG00000047888	Tnrc6b	0.055385444	0.527147838	0.764293603
ENSMUSG00000084235	Gm15421	0.036293769	0.527210874	0.764295782
ENSMUSG00000001962	Fam50a	0.053797637	0.52786203	0.76446047
ENSMUSG00000008845	Cd163	-0.045084593	0.527494199	0.76446047
ENSMUSG00000022637	Cblb	-0.030102062	0.527918128	0.76446047
ENSMUSG00000034501	Pcnx4	0.056925232	0.527640158	0.76446047
ENSMUSG00000037754	Ppp1r16b	-0.053660879	0.52786821	0.76446047
ENSMUSG00000037993	Dhx38	0.055222628	0.527634942	0.76446047
ENSMUSG00000043252	Tmem64	-0.052423236	0.527888143	0.76446047
ENSMUSG00000050567	Maml1	0.041964547	0.527896501	0.76446047
ENSMUSG00000055044	Pdlim1	-0.054732353	0.528004974	0.76446047
ENSMUSG00000064215	Ifi27	0.046489397	0.52791554	0.76446047
ENSMUSG00000064356	mt-Atp8	-0.050258741	0.528063025	0.76446047
ENSMUSG00000070604	Vsig10l	-0.055741466	0.528055714	0.76446047
ENSMUSG00000050737	Ptges	-0.038776525	0.528152345	0.764500674
ENSMUSG00000030528	Blm	0.041955062	0.528232114	0.764527043
ENSMUSG00000033287	Kctd17	-0.042097756	0.52837892	0.764650421
ENSMUSG00000009828	Ick	0.051456801	0.528508675	0.764660018
ENSMUSG00000036968	Cnpy4	0.05141992	0.528502855	0.764660018
ENSMUSG00000115893	AC242685.1	0.017488505	0.528620954	0.764733388
ENSMUSG00000029020	Mfn2	-0.050110089	0.528733614	0.764807292
ENSMUSG00000026491	Ahctf1	-0.056036445	0.52894314	0.764932208
ENSMUSG00000044339	Alkbh2	0.056597889	0.528889753	0.764932208
ENSMUSG00000037339	Fam53a	-0.056443818	0.529081782	0.765043634
ENSMUSG00000029647	Pan3	-0.046730762	0.529169727	0.765081735
ENSMUSG00000038141	Tmem181a	0.054041941	0.529298481	0.765089775
ENSMUSG00000112023	Lilr4b	-0.035086506	0.529288269	0.765089775
ENSMUSG00000024053	Emilin2	-0.05590461	0.529855586	0.765360651
ENSMUSG00000032733	Snx33	-0.033174421	0.529684168	0.765360651
ENSMUSG00000033991	Ttc37	-0.05514587	0.529767052	0.765360651
ENSMUSG00000034538	Zfp418	-0.036898749	0.529601314	0.765360651
ENSMUSG00000045690	Wdr89	0.056440932	0.529651994	0.765360651
ENSMUSG00000097715	Gpr137b-ps	0.032699416	0.529837221	0.765360651

ENSMUSG00000028582	Cc2d1b	-0.05612397	0.53008848	0.76551901
ENSMUSG00000031792	Usb1	-0.056106443	0.530088356	0.76551901
ENSMUSG00000057157	Gm6054	-0.040706063	0.530221883	0.765622647
ENSMUSG00000015880	Ncapg	0.056333806	0.530708765	0.765702587
ENSMUSG00000022051	Bnip3l	-0.053323826	0.530629356	0.765702587
ENSMUSG00000023809	Rps6ka2	0.045536688	0.530385459	0.765702587
ENSMUSG00000028710	Atpaf1	-0.054970695	0.530665188	0.765702587
ENSMUSG00000029291	Rufy3	-0.056140759	0.530421733	0.765702587
ENSMUSG00000039512	Uhrf1bp1	0.041928633	0.53047575	0.765702587
ENSMUSG00000062198	2700097O09Rik	0.055348246	0.53065458	0.765702587
ENSMUSG00000026196	Bard1	0.043157921	0.530957267	0.76597215
ENSMUSG00000021175	Cdca7l	-0.055936193	0.531087367	0.766070862
ENSMUSG00000047554	Tmem41b	0.054452612	0.531293974	0.766279894
ENSMUSG00000051278	Zgrf1	-0.052331169	0.531414356	0.766364533
ENSMUSG00000019873	Reep3	-0.054361276	0.531629352	0.76641934
ENSMUSG00000022358	Fbxo32	-0.033601531	0.531585168	0.76641934
ENSMUSG00000027496	Aurka	0.05305305	0.531637472	0.76641934
ENSMUSG00000003992	Ssbp2	0.052016683	0.531901313	0.766659453
ENSMUSG00000038047	Haus6	-0.056159923	0.531930208	0.766659453
ENSMUSG00000082820	Gm13803	0.048872056	0.531989198	0.766659453
ENSMUSG00000020834	Dhrs13	0.055218972	0.532136941	0.766694461
ENSMUSG00000051329	Nup160	-0.050705324	0.53213491	0.766694461
ENSMUSG00000001052	Sec24b	0.046552116	0.532224069	0.766731055
ENSMUSG00000037487	Ubr5	0.05799698	0.532594713	0.766998137
ENSMUSG00000092233	Gm20403	-0.036391103	0.532537064	0.766998137
ENSMUSG00000114228	Gm47605	-0.032718036	0.532474202	0.766998137
ENSMUSG00000020137	Thap2	-0.05212996	0.532837389	0.767258661
ENSMUSG00000001569	Nom1	0.054882421	0.533250902	0.767431324
ENSMUSG00000002204	Napsa	0.045650558	0.533760503	0.767431324
ENSMUSG00000014195	Dnajc7	-0.053318345	0.533158595	0.767431324
ENSMUSG00000020700	Map3k3	-0.054439635	0.533566101	0.767431324
ENSMUSG00000021180	Rps6ka5	0.05604642	0.533550144	0.767431324
ENSMUSG00000022545	Erc4	-0.055914497	0.533700196	0.767431324
ENSMUSG00000028873	Cdca8	-0.053761035	0.533202417	0.767431324
ENSMUSG00000029592	Usp30	-0.042838053	0.533494819	0.767431324
ENSMUSG00000039497	Dse	0.020232077	0.533676174	0.767431324
ENSMUSG00000042508	Dmtf1	-0.041759519	0.533421805	0.767431324
ENSMUSG00000042705	Commd10	-0.055948463	0.533318128	0.767431324
ENSMUSG00000052593	Adam17	-0.055851638	0.533715372	0.767431324
ENSMUSG00000073291	Gm10491	-0.042177229	0.533244277	0.767431324
ENSMUSG00000024580	Grpel2	0.051121017	0.533907433	0.76755373
ENSMUSG00000025199	Chuk	-0.055566561	0.533986562	0.767578647
ENSMUSG00000003559	As3mt	0.050558347	0.534381029	0.767892573

ENSMUSG00000003923	Tfam	0.05155808	0.534270041	0.767892573
ENSMUSG00000020978	Klhdc2	0.049852228	0.53471298	0.767892573
ENSMUSG00000024143	Rhoq	-0.04123057	0.534617298	0.767892573
ENSMUSG00000026356	Dars	0.05050321	0.5345565	0.767892573
ENSMUSG00000026743	Mllt10	0.054862559	0.534946819	0.767892573
ENSMUSG00000055897	Ppp4r1l-ps	-0.048742618	0.534855947	0.767892573
ENSMUSG00000075028	Prdm11	-0.044178957	0.534899535	0.767892573
ENSMUSG00000078817	Nlrp12	-0.046698911	0.534559489	0.767892573
ENSMUSG00000081650	Gm16181	-0.028846645	0.534935743	0.767892573
ENSMUSG00000082456	Gm11598	0.036302917	0.534695519	0.767892573
ENSMUSG00000114759	Gm10257	0.02530987	0.53471633	0.767892573
ENSMUSG00000021822	Plau	0.044801409	0.535387612	0.768077717
ENSMUSG00000023011	Faim2	-0.039487468	0.535294791	0.768077717
ENSMUSG00000033762	Recql4	-0.050721133	0.535213501	0.768077717
ENSMUSG00000038628	Polr3k	0.055648709	0.535176173	0.768077717
ENSMUSG00000059689	Zfp637	-0.052362092	0.53536992	0.768077717
ENSMUSG00000113416	Gm49328	-0.028249679	0.53544682	0.768077717
ENSMUSG00000009585	Apobec3	-0.046591801	0.535617538	0.768143328
ENSMUSG00000038914	Dido1	0.055256081	0.535678086	0.768143328
ENSMUSG00000102418	Sh2d1b1	0.052333445	0.535636806	0.768143328
ENSMUSG00000038365	Fbxo25	-0.0545918	0.535956925	0.768398328
ENSMUSG00000110528	Gm1943	0.050409107	0.53597964	0.768398328
ENSMUSG00000020340	Cyfp2	0.055238223	0.536508468	0.768406684
ENSMUSG00000021134	Srsf5	0.055960513	0.536492773	0.768406684
ENSMUSG00000022559	Fbxl6	0.055241971	0.536457977	0.768406684
ENSMUSG00000029415	Sdad1	0.052029441	0.536373365	0.768406684
ENSMUSG00000035673	Sbno2	-0.055151487	0.536756923	0.768406684
ENSMUSG00000038545	Cul7	0.038128039	0.536281152	0.768406684
ENSMUSG00000046603	Tcaim	-0.039127309	0.536789694	0.768406684
ENSMUSG00000051989	Smim11	0.049000708	0.536676012	0.768406684
ENSMUSG00000054509	Parp4	0.037189122	0.536249314	0.768406684
ENSMUSG00000079608	Stard6	0.031968415	0.536714123	0.768406684
ENSMUSG00000090112	Shprh	-0.052484396	0.536343717	0.768406684
ENSMUSG00000114046	Gm49321	-0.052382153	0.536504893	0.768406684
ENSMUSG00000116415	AC174929.1	-0.032994869	0.536613711	0.768406684
ENSMUSG00000037860	Aim2	0.055446723	0.536905989	0.768484591
ENSMUSG00000019845	Tube1	-0.052078051	0.537024222	0.768565257
ENSMUSG00000024601	Isoc1	0.054954132	0.537165163	0.768678398
ENSMUSG00000022200	Golph3	0.054304178	0.537509863	0.768856708
ENSMUSG00000035158	Mitf	0.030980579	0.537656845	0.768856708
ENSMUSG00000071723	Gspt2	0.053669594	0.537650425	0.768856708
ENSMUSG00000086414	Gm15645	-0.030187906	0.537661168	0.768856708
ENSMUSG00000096592	Gm15801	-0.052142711	0.537450326	0.768856708

ENSMUSG00000111696	Gm47932	0.030643012	0.537403744	0.768856708
ENSMUSG00000022635	Zcrb1	0.053834829	0.538296258	0.768879695
ENSMUSG00000026490	Cdc42bpa	-0.029167912	0.53779607	0.768879695
ENSMUSG00000028514	Usp24	-0.05501299	0.538253008	0.768879695
ENSMUSG00000038227	Hoxa9	0.055072718	0.53792645	0.768879695
ENSMUSG00000047446	Arl4a	-0.054746989	0.538140893	0.768879695
ENSMUSG00000048410	Zfp407	0.046788138	0.538290106	0.768879695
ENSMUSG00000064105	Cnm2	-0.053504063	0.538111852	0.768879695
ENSMUSG00000074733	Zfp950	-0.054550548	0.538024377	0.768879695
ENSMUSG00000083052	Gm12285	-0.027756078	0.538030442	0.768879695
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ENSMUSG00000029725	Ppp1r35	-0.053356716	0.538512569	0.76910022
ENSMUSG00000031505	Naxd	0.049833417	0.538831905	0.769202517
ENSMUSG00000063334	Krr1	-0.051093462	0.5386619	0.769202517
ENSMUSG00000070371	Prss36	-0.033427831	0.538793601	0.769202517
ENSMUSG00000075268	Gm10819	-0.025268242	0.538773812	0.769202517
ENSMUSG00000041219	Arhgap11a	-0.052171667	0.53906841	0.769451703
ENSMUSG00000031864	Ints10	-0.049493743	0.539596919	0.76987699
ENSMUSG00000034560	Washc4	-0.049214567	0.539614288	0.76987699
ENSMUSG00000034837	Gnat1	-0.049196077	0.539498395	0.76987699
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ENSMUSG00000025171	Ubt1	0.054229662	0.540842736	0.770832773
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ENSMUSG00000020738	Sumo2	0.046631779	0.54109198	0.771011068
ENSMUSG00000022948	Setd4	0.054806825	0.541291601	0.77120704
ENSMUSG00000035504	Reep6	0.02831649	0.541472891	0.771376852
ENSMUSG00000028057	Rit1	-0.054888237	0.541741238	0.771582149
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ENSMUSG00000060467	Gm10080	-0.03086783	0.5419206	0.771660641
ENSMUSG00000102037	Bcl2a1a	0.031510459	0.541886126	0.771660641
ENSMUSG00000071037	Camkmt	-0.053050668	0.542047561	0.771752953
ENSMUSG00000012535	Tnpo3	-0.051074658	0.54213629	0.771790814
ENSMUSG00000067058	Rps15a-ps5	0.045940527	0.542319137	0.771962641
ENSMUSG00000030333	Ap1m1	-0.053262052	0.542711736	0.772218408
ENSMUSG00000022442	Ttll1	-0.053250108	0.5427475	0.772218408

ENSMUSG00000025375	Aatk	-0.039810837	0.542659896	0.772218408
ENSMUSG00000082062	Ftl2-ps	0.047142011	0.542634457	0.772218408
ENSMUSG00000021257	Angel1	-0.029406226	0.542831998	0.772250171
ENSMUSG00000026755	Arpc5l	-0.053732549	0.542935571	0.772309062
ENSMUSG00000033909	Usp36	-0.051417509	0.543048609	0.772337369
ENSMUSG00000037214	Thap1	-0.050580872	0.543079831	0.772337369
ENSMUSG00000031444	F10	0.053723683	0.543262573	0.772508806
ENSMUSG00000021192	Golga5	-0.050609072	0.543466773	0.77253385
ENSMUSG00000024654	Asrgl1	0.053466627	0.543394528	0.77253385
ENSMUSG00000024677	Ms4a6b	-0.052918697	0.543405579	0.77253385
ENSMUSG00000015488	Cacfd1	-0.053385299	0.543643482	0.772696612
ENSMUSG00000014245	Pigl	0.054693286	0.543817136	0.772786287
ENSMUSG00000024790	Sac3d1	-0.053298257	0.543851096	0.772786287
ENSMUSG00000061665	Cd2ap	0.044511072	0.543893223	0.772786287
ENSMUSG00000026839	Upp2	-0.027349701	0.544012503	0.772800934
ENSMUSG00000089844	A530032D15Rik	0.04034792	0.544027966	0.772800934
ENSMUSG00000021867	Tmem254b	-0.053652064	0.54433157	0.773143789
ENSMUSG00000117145	AC170998.1	0.032346585	0.544512997	0.77331305
ENSMUSG00000075701	Selenos	0.053459024	0.544603003	0.773352452
ENSMUSG00000022722	Arl6	0.054433322	0.54470693	0.773411612
ENSMUSG00000021215	Net1	0.052690143	0.544887526	0.773419529
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ENSMUSG00000074519	Zfp971	-0.050875903	0.544899308	0.773419529
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ENSMUSG00000042331	Specc1	-0.054055955	0.545112729	0.7734573
ENSMUSG00000062825	Actg1	0.052380716	0.545100412	0.7734573
ENSMUSG00000026807	Ak8	-0.02996896	0.545193703	0.773483837
ENSMUSG00000020608	Smc6	-0.043519522	0.545266564	0.773498857
ENSMUSG00000024158	Hagh	0.051011093	0.545357222	0.773539118
ENSMUSG00000025888	Casp1	0.051294938	0.545719498	0.773744662
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ENSMUSG00000045374	Wdr81	0.04387298	0.546062773	0.773744662
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ENSMUSG00000078970	Wdr92	0.051061558	0.545770937	0.773744662
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ENSMUSG00000022201	Zfr	-0.046458429	0.546258536	0.773745011
ENSMUSG00000028413	B4galt1	0.05127475	0.546176217	0.773745011
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ENSMUSG00000024563	Smad2	-0.053693176	0.546768754	0.774215081
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ENSMUSG00000052428	Tmco1	0.047717972	0.54734536	0.774854879
ENSMUSG00000023951	Vegfa	-0.053501494	0.547729513	0.775222001
ENSMUSG00000032316	Clk3	-0.053509868	0.547703867	0.775222001
ENSMUSG00000014243	Zswim7	0.054084124	0.54790039	0.775272248
ENSMUSG00000021708	Rasgrf2	-0.025662463	0.547937394	0.775272248
ENSMUSG00000024908	Ppp6r3	0.043592282	0.548014679	0.775272248
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ENSMUSG00000062093	Gm10110	0.044548561	0.548169689	0.77529217
ENSMUSG00000089988	Gm16238	0.028130425	0.548216016	0.77529217
ENSMUSG00000117409	CT010580.1	0.032411256	0.548161524	0.77529217
ENSMUSG00000015027	Galns	0.049072679	0.548359531	0.775406845
ENSMUSG00000020721	Helz	0.047934318	0.54866186	0.775746041
ENSMUSG00000002319	Ipo4	0.0542117	0.54900827	0.775764037
ENSMUSG00000005374	Tbl2	-0.050712378	0.549163001	0.775764037
ENSMUSG00000014767	Tbp	-0.051584299	0.549100063	0.775764037
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ENSMUSG00000049775	Tmsb4x	-0.049413037	0.549555452	0.776214267
ENSMUSG00000111640	AC109138.2	0.034149844	0.549662271	0.77627687
ENSMUSG00000072258	Taf1a	-0.055777777	0.549814999	0.776404287
ENSMUSG00000096745	Gm12622	0.034580636	0.550077474	0.776686632
ENSMUSG00000067722	BC003965	0.051463504	0.550444115	0.777115976
ENSMUSG00000047250	Ptgs1	-0.046071769	0.550709004	0.777167712
ENSMUSG00000063931	Pepd	0.048287012	0.550731036	0.777167712
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ENSMUSG00000105360	Gm7824	0.040828868	0.550716854	0.777167712
ENSMUSG00000070576	Mn1	-0.029228943	0.550806018	0.777185226
ENSMUSG00000035215	Lsm7	0.053172691	0.550949257	0.777210757
ENSMUSG00000090272	Mndal	-0.052139127	0.550927149	0.777210757
ENSMUSG00000022462	Slc38a2	0.045804415	0.551242204	0.777359152
ENSMUSG00000030086	Chchd6	0.05240039	0.551132327	0.777359152
ENSMUSG00000040018	Cox15	-0.051423412	0.551231196	0.777359152
ENSMUSG00000018293	Pfn1	0.053450614	0.551356398	0.777401714
ENSMUSG00000091955	Gm9844	-0.009239552	0.551460149	0.777401714
ENSMUSG00000100801	Gm15459	0.049145752	0.551451038	0.777401714
ENSMUSG00000033454	Zbtb1	-0.051432409	0.551559821	0.777453987
ENSMUSG00000028597	Gpx7	0.022262279	0.55170295	0.777567496
ENSMUSG00000051037	Zfp455	-0.037526576	0.551997229	0.777811563

ENSMUSG00000051864	Tbc1d22a	0.052691159	0.552001363	0.777811563
ENSMUSG00000020783	Ncbp3	0.053516055	0.552315236	0.777812647
ENSMUSG00000024208	Uqcc2	0.053133338	0.552130883	0.777812647
ENSMUSG00000025218	Poll	-0.052119412	0.552278145	0.777812647
ENSMUSG00000027009	Itga4	0.052913874	0.552244407	0.777812647
ENSMUSG00000030067	Foxp1	-0.052962055	0.552087079	0.777812647
ENSMUSG00000043290	Zfp784	-0.036079178	0.552497329	0.777937689
ENSMUSG00000044795	Cyb5d1	-0.046212905	0.552529288	0.777937689
ENSMUSG00000048280	Zfp738	0.05124855	0.552686786	0.778071242
ENSMUSG00000034265	Zdhhc14	-0.039442115	0.552798958	0.778092606
ENSMUSG00000053950	Adnp2	-0.050469055	0.552827248	0.778092606
ENSMUSG00000032534	Cep63	0.047740521	0.552934963	0.778124466
ENSMUSG00000035725	Prkx	-0.050916812	0.553100468	0.778124466
ENSMUSG00000038250	Usp38	0.049395806	0.553086957	0.778124466
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ENSMUSG00000052783	Grk4	0.036484075	0.55359024	0.778725296
ENSMUSG00000075015	Gm10801	-0.010966145	0.553743741	0.778853018
ENSMUSG00000008450	Nutf2	0.05341253	0.55399765	0.778940697
ENSMUSG00000020634	Ubxn2a	0.049697025	0.554119636	0.778940697
ENSMUSG00000027569	Mrgbp	0.053120253	0.553961189	0.778940697
ENSMUSG00000028669	Pithd1	-0.053063039	0.554023019	0.778940697
ENSMUSG00000031827	Cotl1	-0.045744805	0.554068397	0.778940697
ENSMUSG00000025085	Ablim1	-0.029489025	0.554296184	0.779040597
ENSMUSG00000030614	Tmem126b	-0.0526438	0.554316142	0.779040597
ENSMUSG00000015846	Rxra	0.025551745	0.554437828	0.779118648
ENSMUSG00000032218	Ccnb2	0.052993548	0.55449713	0.779118648
ENSMUSG00000026803	Ttf1	-0.05251682	0.554597009	0.779170846
ENSMUSG00000068860	Gm128	-0.037938623	0.555031418	0.77969297
ENSMUSG00000030761	Myo7a	-0.049806726	0.55509621	0.779695808
ENSMUSG00000066735	Vkorc1l1	-0.049491564	0.555244798	0.779816331
ENSMUSG00000028034	Fubp1	0.049907927	0.555495934	0.780080836
ENSMUSG00000017307	Acot8	0.052504426	0.555766671	0.780369829
ENSMUSG00000019461	Plscr3	-0.052630056	0.556005883	0.780369829
ENSMUSG00000020128	Vps54	0.041890796	0.556012259	0.780369829
ENSMUSG00000033720	Sfxn5	-0.027424308	0.555898888	0.780369829
ENSMUSG00000083757	Rps15a-ps4	0.037589791	0.556015859	0.780369829
ENSMUSG00000024130	Abca3	-0.038787301	0.55615587	0.780384583
ENSMUSG00000038697	Taf5l	0.051167176	0.556214855	0.780384583
ENSMUSG00000049011	Olfir729	-0.049119658	0.556213871	0.780384583
ENSMUSG00000026478	Lamc1	-0.019367234	0.556576716	0.78071591
ENSMUSG00000035021	Baz1a	0.052851594	0.556564325	0.78071591
ENSMUSG00000020925	Ccdc43	0.047672398	0.557201632	0.781284076
ENSMUSG00000024754	Cemip2	0.041239163	0.557192496	0.781284076

ENSMUSG00000024900	Cpt1a	0.051505181	0.557186615	0.781284076
ENSMUSG00000030365	Clec2i	-0.0429025	0.557257649	0.781284076
ENSMUSG00000036545	Adamts2	-0.029359205	0.557296266	0.781284076
ENSMUSG00000069743	Zfp820	-0.041021018	0.557606707	0.78163107
ENSMUSG00000045381	Olfr433	-0.034538233	0.557948734	0.782022256
ENSMUSG00000089774	Slc5a3	-0.02937434	0.558031263	0.782049681
ENSMUSG00000022824	Muc13	0.052952426	0.558239506	0.78225326
ENSMUSG00000024725	Ostf1	0.043752306	0.558406816	0.782326679
ENSMUSG00000030435	U2af2	-0.04910988	0.558417868	0.782326679
ENSMUSG00000038174	Fam126b	-0.031975187	0.558502099	0.782356443
ENSMUSG00000027637	Rab5if	0.049181547	0.558647831	0.78247234
ENSMUSG00000026585	Kifap3	-0.052209935	0.558740527	0.782513935
ENSMUSG00000022724	Riox2	0.050064083	0.558906715	0.782658434
ENSMUSG00000013736	Trnt1	0.051556761	0.559033637	0.782747921
ENSMUSG00000028788	Ptp4a2	0.051847892	0.559103948	0.782758131
ENSMUSG00000063052	Lrrc40	-0.052087823	0.559293714	0.78293556
ENSMUSG00000031969	Acad8	-0.051856369	0.559464723	0.782977077
ENSMUSG00000032802	Srxn1	-0.032019721	0.559512482	0.782977077
ENSMUSG00000042874	D930007J09Rik	-0.044347338	0.55945767	0.782977077
ENSMUSG00000031575	Ash2l	-0.043312878	0.559699627	0.783150734
ENSMUSG00000003721	Insig2	-0.051491785	0.559823296	0.783203039
ENSMUSG00000020544	Cox11	0.049780357	0.559989227	0.783203039
ENSMUSG00000032171	Pin1	0.052421957	0.559977427	0.783203039
ENSMUSG00000034931	Dhx8	0.050743591	0.559900564	0.783203039
ENSMUSG00000033792	Atp7a	0.030615563	0.560420516	0.783453374
ENSMUSG00000037474	Dtl	-0.051633544	0.560370135	0.783453374
ENSMUSG00000058355	Abce1	0.049069334	0.56039094	0.783453374
ENSMUSG00000066807	Gm10179	0.041400289	0.560296193	0.783453374
ENSMUSG00000021692	Dimt1	0.051423551	0.560592852	0.783462851
ENSMUSG00000031156	Slc35a2	-0.049119151	0.560510397	0.783462851
ENSMUSG00000063659	Zbtb18	-0.041928628	0.560616522	0.783462851
ENSMUSG00000048960	Prex2	0.028232017	0.560863639	0.78372002
ENSMUSG00000066406	Akap13	0.051474278	0.561033329	0.783868951
ENSMUSG00000034353	Ramp1	0.048509019	0.561193124	0.784004026
ENSMUSG00000079555	Haus3	0.050505596	0.561271406	0.784025206
ENSMUSG00000034297	Med13	-0.044101967	0.561389628	0.784102167
ENSMUSG00000062908	Acadm	-0.051257714	0.561585121	0.784287023
ENSMUSG00000111331	CT010495.1	-0.026813623	0.561813642	0.784517959
ENSMUSG00000039047	Pigk	0.052185261	0.561984478	0.784580105
ENSMUSG00000112689	Gm47476	-0.02372914	0.561939956	0.784580105
ENSMUSG00000001524	Gtf2h4	-0.048052247	0.562244308	0.784854636
ENSMUSG00000006736	Tspan31	-0.045283817	0.562703093	0.784931262
ENSMUSG00000025872	Thoc3	0.05048661	0.562520723	0.784931262

ENSMUSG00000032187	Smarca4	0.050483752	0.562631141	0.784931262
ENSMUSG00000040220	Gas8	0.051378122	0.562701799	0.784931262
ENSMUSG00000057160	Gm16372	-0.023482394	0.562741558	0.784931262
ENSMUSG00000112351	Gm48326	0.036737909	0.562472244	0.784931262
ENSMUSG00000116564	Riok2	0.051862462	0.562620434	0.784931262
ENSMUSG00000053012	Krcc1	-0.050855291	0.562820787	0.784953627
ENSMUSG00000000934	Top1mt	0.048019743	0.563155393	0.785101326
ENSMUSG00000024533	Spire1	0.042230731	0.563154037	0.785101326
ENSMUSG00000026158	Ogfrl1	-0.049310151	0.563192571	0.785101326
ENSMUSG00000038658	Ric1	0.034316515	0.563080517	0.785101326
ENSMUSG00000090641	Zfp712	-0.026908666	0.563242727	0.785101326
ENSMUSG00000036199	Ndufa13	0.051479953	0.563470452	0.78533062
ENSMUSG00000006289	Osgep	-0.043293281	0.563898572	0.785398538
ENSMUSG00000023572	Ccndbp1	-0.050990486	0.563841682	0.785398538
ENSMUSG00000031967	Afg3l1	-0.048676373	0.563777148	0.785398538
ENSMUSG00000049076	Acap2	0.051808607	0.563613413	0.785398538
ENSMUSG00000052397	Ezr	0.049128007	0.563661887	0.785398538
ENSMUSG00000057329	Bcl2	-0.049460748	0.563798066	0.785398538
ENSMUSG00000047067	Dusp28	0.051769797	0.564026418	0.785488524
ENSMUSG00000069294	Vmn1r197	-0.034471853	0.564292605	0.785771126
ENSMUSG00000111527	Nadk2	0.039247882	0.564481457	0.78594599
ENSMUSG00000038611	Phrf1	-0.051206888	0.565141803	0.786600889
ENSMUSG00000051510	Mafg	0.049649367	0.565066592	0.786600889
ENSMUSG00000069727	Zfp975	-0.04601925	0.565085196	0.786600889
ENSMUSG00000028107	Tars2	-0.051011147	0.565225588	0.786627019
ENSMUSG00000050229	Pigm	0.049958429	0.565287237	0.786627019
ENSMUSG00000037111	Setd7	0.033573568	0.565480187	0.786807371
ENSMUSG00000035683	Melk	-0.049161141	0.56570675	0.787034447
ENSMUSG00000031822	Gse1	-0.042765421	0.565812118	0.78709288
ENSMUSG00000000374	Trappc10	0.05138543	0.566198426	0.787453885
ENSMUSG00000039041	Adrm1	0.052196155	0.566163835	0.787453885
ENSMUSG00000029560	Snx8	-0.049256025	0.566302277	0.787510142
ENSMUSG00000036902	Neto2	0.048072504	0.566536971	0.787748318
ENSMUSG00000003271	Sult2b1	-0.031744883	0.566648443	0.787815123
ENSMUSG00000026019	Wdr12	0.050497472	0.566759846	0.78787294
ENSMUSG00000034471	Caskin2	0.029866723	0.567034011	0.78787294
ENSMUSG00000038664	Herc1	0.040715458	0.567043094	0.78787294
ENSMUSG00000040818	Dennd6a	0.051045753	0.566841982	0.78787294
ENSMUSG00000089936	Gm16199	0.049053262	0.567070613	0.78787294
ENSMUSG00000094568	Smarce1-ps1	0.05113715	0.567042383	0.78787294
ENSMUSG00000058173	Smco4	-0.046240118	0.567257506	0.787956328
ENSMUSG00000109975	Gm19196	0.040713416	0.567253062	0.787956328
ENSMUSG00000006143	Upk3bl	0.033297071	0.56741535	0.788087449

ENSMUSG00000046593	Tmem215	-0.033410291	0.567566019	0.788178444
ENSMUSG00000104713	Gbp6	-0.016745002	0.567607776	0.788178444
ENSMUSG00000027452	Acss1	0.047112732	0.567780455	0.788330096
ENSMUSG00000047539	Fbxo28	-0.049981662	0.568284133	0.788941234
ENSMUSG00000000743	Chmp1a	0.048973813	0.568562512	0.788957247
ENSMUSG00000020895	Tmem107	-0.045597618	0.568520718	0.788957247
ENSMUSG00000022391	Rangap1	-0.048712977	0.568778946	0.788957247
ENSMUSG00000024851	Pitpnm1	0.051091737	0.56847529	0.788957247
ENSMUSG00000024891	Slc29a2	-0.046229228	0.568740611	0.788957247
ENSMUSG00000026309	Ilkap	0.048252923	0.568653651	0.788957247
ENSMUSG00000031095	Cul4b	0.049145483	0.5687464	0.788957247
ENSMUSG00000048696	Mex3d	0.035422592	0.568803812	0.788957247
ENSMUSG00000000037	Scml2	-0.033486377	0.569053674	0.789066921
ENSMUSG00000032280	Tle3	0.031434535	0.568980492	0.789066921
ENSMUSG00000034041	Lyl1	-0.050549377	0.569073463	0.789066921
ENSMUSG00000038970	Lmtk2	0.030535939	0.569203598	0.78915927
ENSMUSG00000002728	Naa20	0.051775301	0.569366256	0.789296681
ENSMUSG00000024639	Gnaq	-0.043354485	0.569468595	0.789350455
ENSMUSG00000002732	Fkbp7	-0.044181658	0.570408758	0.789444072
ENSMUSG00000005107	Slc2a9	-0.032674234	0.570069968	0.789444072
ENSMUSG00000021675	F2rl2	0.0314446087	0.570211577	0.789444072
ENSMUSG00000030779	Rbbp6	0.049114532	0.569857399	0.789444072
ENSMUSG00000030965	Abraxas2	0.047251601	0.569694452	0.789444072
ENSMUSG00000031974	Abcb10	0.046908201	0.570304522	0.789444072
ENSMUSG00000034285	Nipsnap1	0.049932627	0.570425936	0.789444072
ENSMUSG00000037486	Asxl2	0.048667568	0.570292156	0.789444072
ENSMUSG00000044792	Isca1	-0.047419652	0.569637037	0.789444072
ENSMUSG00000052533	Nup188	0.050711083	0.570075365	0.789444072
ENSMUSG00000057554	Lgals8	-0.047700006	0.570083641	0.789444072
ENSMUSG00000064128	Cenpj	0.041806568	0.570174058	0.789444072
ENSMUSG00000074807	Gm10762	0.048178596	0.569735474	0.789444072
ENSMUSG00000107741	Gm2011	0.041351675	0.570111814	0.789444072
ENSMUSG00000045503	Sys1	0.051340491	0.570610022	0.789610861
ENSMUSG00000022663	Atg3	0.0503415	0.570818804	0.789700366
ENSMUSG00000036022	Fam122b	0.050180255	0.570865437	0.789700366
ENSMUSG00000109764	Klkb1	-0.050425961	0.570807572	0.789700366
ENSMUSG00000054434	Tmem120b	-0.038688773	0.571057864	0.789792528
ENSMUSG00000078497	Zfp978	-0.03075755	0.57105923	0.789792528
ENSMUSG00000083627	Gm12502	0.03153293	0.571138606	0.789814365
ENSMUSG00000020042	Btbd11	-0.031158093	0.571375588	0.789929128
ENSMUSG00000040663	Clcf1	-0.019955399	0.571404347	0.789929128
ENSMUSG00000068391	Chrac1	0.050159928	0.571412383	0.789929128
ENSMUSG00000063108	Zfp26	0.03348197	0.571549016	0.790030083

ENSMUSG00000024742	Fen1	-0.06551713	0.572050608	0.790402311
ENSMUSG00000041264	Usp11	0.050123766	0.571887069	0.790402311
ENSMUSG00000042831	Alkbh6	-0.04606151	0.571993742	0.790402311
ENSMUSG00000053706	B430305J03Rik	0.046700125	0.572090086	0.790402311
ENSMUSG00000090799	Klhl33	-0.032956337	0.572136477	0.790402311
ENSMUSG00000002279	Lmf1	-0.05005175	0.572353542	0.790614251
ENSMUSG00000041471	Shld2	-0.04763506	0.572511592	0.790744634
ENSMUSG00000033102	Cdc14b	-0.028696784	0.572737154	0.790968222
ENSMUSG00000046916	Myct1	0.026338727	0.572815996	0.790989159
ENSMUSG00000024002	Brd4	-0.04754579	0.573151514	0.79123059
ENSMUSG00000030560	Ctsc	0.050597507	0.573181938	0.79123059
ENSMUSG00000096856	Gm10778	0.048980102	0.573128545	0.79123059
ENSMUSG00000036580	Spg20	-0.050188118	0.573458736	0.79152472
ENSMUSG00000020638	Cmpk2	-0.048918415	0.573826367	0.79173151
ENSMUSG00000025016	Tm9sf3	0.041955853	0.57386352	0.79173151
ENSMUSG00000036352	Ubac1	-0.046090288	0.573827597	0.79173151
ENSMUSG00000110469	Gm10358	0.013408501	0.573834297	0.79173151
ENSMUSG00000028860	Sytl1	0.038969284	0.574084342	0.791860256
ENSMUSG00000108608	Gm6916	-0.013293271	0.574059792	0.791860256
ENSMUSG00000017756	Slc12a7	-0.021929199	0.574307946	0.791992783
ENSMUSG00000051786	Tubgcp6	0.044935233	0.574283526	0.791992783
ENSMUSG00000006392	Med8	0.0498126	0.574452655	0.792053145
ENSMUSG00000030559	Rab38	0.050243324	0.574479251	0.792053145
ENSMUSG00000037640	Zfp60	-0.03632197	0.574681529	0.792156173
ENSMUSG00000081378	Rps13-ps4	-0.027936309	0.574624248	0.792156173
ENSMUSG00000008398	Elk3	0.050294446	0.574825273	0.792178488
ENSMUSG00000022681	Ntan1	0.045255881	0.574797631	0.792178488
ENSMUSG00000053460	Ggcx	-0.048242742	0.574943144	0.792253028
ENSMUSG00000038070	Cntln	-0.049954876	0.575090242	0.79236782
ENSMUSG00000020368	Canx	0.049308457	0.575486399	0.792748805
ENSMUSG00000044502	Bod1	0.050236745	0.575494403	0.792748805
ENSMUSG00000021733	Slc4a7	-0.038332031	0.575669449	0.792814084
ENSMUSG00000029146	Snx17	-0.0469629	0.575624793	0.792814084
ENSMUSG00000019943	Atp2b1	0.049583365	0.5758897	0.793029486
ENSMUSG00000042659	Arrdc4	0.049767711	0.575998388	0.79309123
ENSMUSG00000022124	Fbxl3	-0.049274554	0.576441813	0.793613807
ENSMUSG00000034126	Pomt2	-0.044084249	0.576525796	0.793641462
ENSMUSG00000067851	Arfgef1	-0.049011399	0.576622483	0.793686598
ENSMUSG00000022673	Mcm4	-0.04859057	0.576769072	0.793702673
ENSMUSG00000024008	Cpne5	-0.02013286	0.576825862	0.793702673
ENSMUSG00000026739	Bmi1	-0.045712476	0.576809079	0.793702673
ENSMUSG00000002718	Cse1l	0.048475244	0.577151492	0.793821592
ENSMUSG00000005501	Usp40	-0.040903932	0.577295745	0.793821592

ENSMUSG00000028696	Ipp	-0.049411087	0.577293161	0.793821592
ENSMUSG00000032198	Dock6	-0.023217698	0.577195461	0.793821592
ENSMUSG00000041025	Iffo2	-0.036526174	0.577268532	0.793821592
ENSMUSG00000062110	Scfd2	-0.048233207	0.577248899	0.793821592
ENSMUSG00000006241	Ccdc159	0.027600164	0.577705594	0.794054651
ENSMUSG00000024791	Cdca5	-0.049520698	0.577553214	0.794054651
ENSMUSG00000041164	Zmiz2	-0.044380891	0.577720947	0.794054651
ENSMUSG00000061111	Mcrip1	-0.047057684	0.577691391	0.794054651
ENSMUSG00000022132	Cldn10	0.025239737	0.577906057	0.794186101
ENSMUSG00000045378	Pxt1	0.021081188	0.578008401	0.794186101
ENSMUSG00000103374	Gm37239	-0.042100164	0.577997066	0.794186101
ENSMUSG00000102827	Gm8242	0.044170305	0.578180503	0.794334701
ENSMUSG00000042390	Gatad2b	0.048117243	0.578361178	0.794495044
ENSMUSG00000018189	Uchl5	0.047893533	0.57860467	0.794656677
ENSMUSG00000034300	Fam53c	0.039208512	0.578670771	0.794656677
ENSMUSG00000060090	Rp2	-0.048118872	0.57866678	0.794656677
ENSMUSG00000039509	Nup133	-0.044923102	0.578798823	0.794744659
ENSMUSG00000020029	Nudt4	0.04730303	0.578912517	0.794775913
ENSMUSG00000024399	Ltb	-0.03202605	0.578949558	0.794775913
ENSMUSG00000007833	Aldh16a1	-0.048910363	0.579595272	0.794852562
ENSMUSG00000022178	Ajuba	-0.035827889	0.579490336	0.794852562
ENSMUSG00000025408	Ddit3	-0.049265766	0.579418867	0.794852562
ENSMUSG00000030681	Mvp	-0.048846955	0.579606036	0.794852562
ENSMUSG00000035004	Igsf6	-0.047205981	0.579773304	0.794852562
ENSMUSG00000041712	Ubr7	-0.044781154	0.579446388	0.794852562
ENSMUSG00000042345	Ubash3a	0.049281815	0.579517356	0.794852562
ENSMUSG00000043439	Epop	-0.045604431	0.579564514	0.794852562
ENSMUSG00000047090	Tmem198b	-0.041085219	0.579723747	0.794852562
ENSMUSG00000059714	Flot1	-0.042094812	0.579309912	0.794852562
ENSMUSG00000063015	Ccni	0.048027842	0.579699556	0.794852562
ENSMUSG00000064037	Gpn1	-0.047279443	0.579580898	0.794852562
ENSMUSG00000026198	Abcb6	-0.049284714	0.579927126	0.794864596
ENSMUSG00000034247	Plekhm1	-0.041664071	0.579974063	0.794864596
ENSMUSG00000044595	Dnd1	0.040366219	0.579928283	0.794864596
ENSMUSG00000026500	Cox20	0.048039491	0.580176755	0.794966958
ENSMUSG00000042099	Kank3	0.046115672	0.580171215	0.794966958
ENSMUSG00000054871	Tmem158	0.037628081	0.580262398	0.794996607
ENSMUSG00000024423	Impact	-0.041252749	0.580509342	0.795175957
ENSMUSG00000030035	Wbp1	-0.047937264	0.580623431	0.795175957
ENSMUSG00000038515	Grtp1	-0.033831758	0.580572336	0.795175957
ENSMUSG00000048170	Mcmbp	0.044878937	0.580649378	0.795175957
ENSMUSG00000097239	Gm27029	0.032463756	0.580751294	0.795227849
ENSMUSG00000032507	Fbxl2	0.04093662	0.580913996	0.795362957

ENSMUSG00000025017	Pik3ap1	-0.046688074	0.581095123	0.79551739
ENSMUSG00000030731	Syt3	-0.028707567	0.581154883	0.79551739
ENSMUSG00000027365	Trpm7	0.049074034	0.581446036	0.795828232
ENSMUSG00000022365	Derl1	0.045390922	0.581713352	0.795930992
ENSMUSG00000040842	Szrd1	0.049068264	0.581615422	0.795930992
ENSMUSG00000042055	Wdr11	0.035476789	0.58170765	0.795930992
ENSMUSG00000034083	Ccdc174	-0.048893252	0.582176666	0.796258632
ENSMUSG00000039787	Cercam	-0.045833995	0.582209234	0.796258632
ENSMUSG00000074063	Osgin1	-0.019457096	0.582037241	0.796258632
ENSMUSG00000091775	Gm16494	0.034316696	0.582142963	0.796258632
ENSMUSG00000034801	Sos2	-0.035622968	0.582342447	0.796353135
ENSMUSG00000020780	Srp68	0.041298919	0.582410183	0.796358089
ENSMUSG00000006699	Cdc42	0.038926945	0.58293062	0.796894258
ENSMUSG00000032411	Tfdp2	0.047619527	0.582919204	0.796894258
ENSMUSG00000056888	Glipr1	-0.047096643	0.583275833	0.797278433
ENSMUSG00000053091	Lins1	0.047395934	0.583350309	0.797292494
ENSMUSG00000040253	Gbp7	-0.048577335	0.583450859	0.797342185
ENSMUSG00000115463	Gm49356	0.046394226	0.583541878	0.797378842
ENSMUSG00000029148	Nrbp1	-0.044193192	0.583887278	0.797763049
ENSMUSG00000007646	Rad51c	-0.047663136	0.584203046	0.797872037
ENSMUSG00000024378	Stard4	0.049010798	0.584226343	0.797872037
ENSMUSG00000028099	Polr3c	0.046769555	0.584088138	0.797872037
ENSMUSG00000029681	Bcl7b	-0.048496143	0.584108362	0.797872037
ENSMUSG00000036892	Prodh2	-0.040382826	0.584288225	0.797872037
ENSMUSG00000024889	Rce1	0.047303851	0.58448703	0.797968058
ENSMUSG00000028884	Rpa2	0.047854064	0.584434833	0.797968058
ENSMUSG00000026276	Sept2	-0.033924641	0.58471514	0.798033979
ENSMUSG00000026341	Actr3	-0.042252068	0.58479231	0.798033979
ENSMUSG00000037012	Hk1	-0.044422803	0.58474858	0.798033979
ENSMUSG00000089782	Gm3531	0.026610973	0.584751418	0.798033979
ENSMUSG00000020869	Lrrc59	0.046726137	0.584936017	0.798142399
ENSMUSG00000032116	Stt3a	-0.044837212	0.585030681	0.798183886
ENSMUSG00000020776	Fbf1	-0.033926179	0.585142348	0.798199573
ENSMUSG00000040234	Tm7sf3	-0.044140138	0.585170703	0.798199573
ENSMUSG00000008348	Ubc	-0.046987879	0.585883026	0.798895771
ENSMUSG00000009687	Fxyd5	-0.04638725	0.586041287	0.798895771
ENSMUSG00000024165	Jpt2	-0.045618149	0.586013934	0.798895771
ENSMUSG00000025745	Hadha	-0.047606886	0.5858565	0.798895771
ENSMUSG00000031877	Ces2g	-0.032880174	0.586144782	0.798895771
ENSMUSG00000041684	Bivm	-0.03433481	0.586244134	0.798895771
ENSMUSG00000055305	Zfp93	-0.024549529	0.586259959	0.798895771
ENSMUSG00000081911	Mrps36-ps2	0.047124858	0.586178383	0.798895771
ENSMUSG00000082192	Gm14719	-0.046050638	0.585817824	0.798895771

ENSMUSG00000048895	Cdk5r1	-0.034564767	0.586394421	0.798904587
ENSMUSG00000082938	Gm2810	-0.006581119	0.586395066	0.798904587
ENSMUSG00000009772	Nuak2	-0.047840054	0.586667527	0.799166818
ENSMUSG00000035242	Oaz1	0.044061674	0.586716224	0.799166818
ENSMUSG00000019849	Prep	0.048398604	0.587291634	0.799599846
ENSMUSG00000026578	Ccdc181	0.048186318	0.587255221	0.799599846
ENSMUSG00000027193	Api5	-0.044237414	0.587252877	0.799599846
ENSMUSG00000039168	Dap	-0.038495675	0.587230835	0.799599846
ENSMUSG00000038607	Gng10	0.047082617	0.587358734	0.799603555
ENSMUSG00000028243	Ubxn2b	-0.048146471	0.587479837	0.799680773
ENSMUSG00000060470	Adgrg3	-0.042210873	0.587764116	0.799980066
ENSMUSG00000036196	Slc26a8	-0.023911739	0.588313033	0.800639442
ENSMUSG00000026577	Blzf1	-0.048107342	0.588525719	0.800841144
ENSMUSG00000064351	mt-Co1	-0.042506665	0.588619423	0.800880913
ENSMUSG00000001630	Stk38l	0.0457913	0.588805268	0.801046028
ENSMUSG00000038256	Bcl9	-0.040551503	0.589148498	0.8014252
ENSMUSG00000032556	Bfsp2	-0.032801977	0.589226591	0.801443659
ENSMUSG00000041241	Mul1	-0.047661634	0.589325892	0.801490956
ENSMUSG00000025880	Smad7	-0.035270628	0.589427116	0.801540859
ENSMUSG00000021608	Lpcat1	-0.04629246	0.589564051	0.801551563
ENSMUSG00000094437	Gm9830	0.04626293	0.589547993	0.801551563
ENSMUSG00000031161	Hdac6	-0.039334436	0.58985526	0.801859711
ENSMUSG00000021752	Kctd6	0.047101499	0.589967777	0.801905435
ENSMUSG00000049439	Cyp20a1	-0.043155845	0.590018015	0.801905435
ENSMUSG00000050989	Selenon	-0.043958443	0.590142585	0.801986986
ENSMUSG00000024778	Fas	0.04380566	0.590210242	0.801991184
ENSMUSG00000033721	Vav3	-0.04743366	0.590685662	0.802549399
ENSMUSG00000019432	Ddx39b	-0.047043032	0.591717242	0.80386305
ENSMUSG00000046671	Mtfr1l	-0.045781803	0.591854935	0.803962178
ENSMUSG00000022228	Zscan26	-0.038307348	0.592037633	0.804122409
ENSMUSG00000038291	Snx25	-0.035661065	0.592117918	0.804143523
ENSMUSG00000031490	Eif4ebp1	0.046933468	0.592306682	0.804277943
ENSMUSG00000040865	Ino80d	-0.047570815	0.592346399	0.804277943
ENSMUSG00000018166	ErbB3	-0.036726773	0.592723136	0.804497771
ENSMUSG00000027173	Depdc7	-0.047459697	0.592896916	0.804497771
ENSMUSG00000034883	Lrr1	-0.046159576	0.592698084	0.804497771
ENSMUSG00000058240	Cryzl1	-0.045228878	0.592781635	0.804497771
ENSMUSG00000069808	Fam57a	0.045464277	0.59285273	0.804497771
ENSMUSG00000106819	Gm43498	0.019651856	0.59276346	0.804497771
ENSMUSG00000041235	Chd7	0.043546528	0.593010432	0.804563907
ENSMUSG00000021786	Oxsm	0.045343733	0.593532722	0.804978148
ENSMUSG00000032245	Cln6	-0.047024018	0.59363979	0.804978148
ENSMUSG00000042938	Gm14117	-0.045115123	0.593600608	0.804978148

ENSMUSG00000058298	Mcm9	0.043478954	0.593500951	0.804978148
ENSMUSG00000099902	Gm12115	0.020894906	0.593562851	0.804978148
ENSMUSG00000051397	Tacstd2	0.044469828	0.593768032	0.804997115
ENSMUSG00000054342	Kcnn4	-0.049938932	0.593783396	0.804997115
ENSMUSG00000028944	Prkag2	0.036155879	0.593929475	0.805019425
ENSMUSG00000069379	Gm4950	0.02804705	0.593898618	0.805019425
ENSMUSG00000057147	Dph6	0.047486678	0.594197792	0.805295229
ENSMUSG00000112368	Gm49376	0.045285037	0.594288326	0.805330056
ENSMUSG00000026021	Sumo1	0.048376522	0.594554275	0.805464006
ENSMUSG00000026088	Mitd1	0.045641801	0.594454346	0.805464006
ENSMUSG00000038069	Cdkn2aip	-0.045493183	0.594581714	0.805464006
ENSMUSG00000021275	Tecpr2	0.025882148	0.594780772	0.80555795
ENSMUSG00000044150	Bclaf3	-0.047040976	0.594776909	0.80555795
ENSMUSG00000090935	Synj2bp	-0.046828526	0.595129788	0.805942772
ENSMUSG00000029434	Vps33a	0.045526742	0.595389875	0.80620709
ENSMUSG00000045410	Akr1e1	-0.045990958	0.59561217	0.806420184
ENSMUSG00000053559	Smagp	0.025361127	0.595682212	0.806427112
ENSMUSG00000039840	Epg5	-0.040541637	0.595956187	0.806710091
ENSMUSG00000019188	H13	-0.040774966	0.59607077	0.806777273
ENSMUSG00000020817	Rabep1	-0.046304138	0.596211164	0.806791466
ENSMUSG00000036678	Aaas	0.041440093	0.596194429	0.806791466
ENSMUSG00000060205	Olfr57	-0.037202587	0.596385746	0.806939799
ENSMUSG00000040029	lpo8	0.043492174	0.596712156	0.807293507
ENSMUSG00000103584	Gm38053	0.025907703	0.597118253	0.807754936
ENSMUSG00000034898	Filip1	0.03174273	0.597375702	0.807839259
ENSMUSG00000035397	Klf16	-0.026433334	0.597345244	0.807839259
ENSMUSG00000044788	Fads6	0.030875597	0.59734175	0.807839259
ENSMUSG00000052299	Ltn1	-0.045456907	0.597578888	0.808026058
ENSMUSG00000024079	Eif2ak2	0.043246546	0.597843418	0.808160904
ENSMUSG00000044469	Tnfaip8l1	0.046411176	0.597906684	0.808160904
ENSMUSG00000048620	Olfr1336	0.030670793	0.597775373	0.808160904
ENSMUSG00000050973	Gdpgp1	-0.04697269	0.59795606	0.808160904
ENSMUSG00000052712	BC004004	0.046519948	0.598003934	0.808160904
ENSMUSG00000083563	Gm13340	-0.025784777	0.598103627	0.808207698
ENSMUSG00000031497	Tnfsf13b	-0.035531757	0.598474811	0.808621301
ENSMUSG00000116074	Gm49491	-0.040971824	0.598666163	0.808791865
ENSMUSG00000028538	St3gal3	-0.036412535	0.598886033	0.809000915
ENSMUSG00000074925	Ptar1	0.043488199	0.5991381	0.809253407
ENSMUSG00000006932	Ctnnb1	0.046815566	0.599348987	0.80945023
ENSMUSG00000055239	Kcmf1	-0.045397635	0.599799076	0.809970029
ENSMUSG00000093701	Gm21970	-0.04499495	0.600186821	0.810405534
ENSMUSG00000075269	Bex6	-0.046003106	0.600271455	0.810431711
ENSMUSG00000029767	Calu	0.040476565	0.600383107	0.810494357

ENSMUSG00000029202	Pds5a	0.040504068	0.600829529	0.810920741
ENSMUSG00000082895	Rpsa-ps9	0.022718396	0.600784129	0.810920741
ENSMUSG00000026335	Pam	0.044089125	0.600920666	0.810955627
ENSMUSG00000044966	Fbxo48	-0.033018937	0.601342034	0.811436111
ENSMUSG00000019984	Med23	-0.037335271	0.601431189	0.81146826
ENSMUSG00000095101	Gm13285	-0.030721275	0.601657891	0.811685963
ENSMUSG00000032939	Nup93	-0.04600621	0.601781783	0.811764935
ENSMUSG00000038695	Josd2	0.039658545	0.601955671	0.811911325
ENSMUSG0000002332	Dhrs1	-0.044901258	0.602230378	0.812172212
ENSMUSG00000021684	Pde8b	0.0331264	0.602311616	0.812172212
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ENSMUSG00000053175	Bcl3	0.045727931	0.602405433	0.812172212
ENSMUSG00000083380	Ndufb4c	0.044052234	0.602588303	0.812323563
ENSMUSG00000031371	Haus7	0.04666503	0.602961001	0.812561418
ENSMUSG00000032298	Neil1	-0.042821359	0.602928636	0.812561418
ENSMUSG00000078616	Trim30c	0.025730281	0.60292074	0.812561418
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ENSMUSG00000026317	Cln8	-0.045706064	0.60320726	0.812628783
ENSMUSG00000032393	Dpp8	0.044650068	0.603389832	0.812786585
ENSMUSG00000039307	Hexdc	0.045042905	0.603548396	0.812892899
ENSMUSG00000066613	Zfp932	-0.044404914	0.603599647	0.812892899
ENSMUSG00000016087	Fli1	-0.043361724	0.603924868	0.812998583
ENSMUSG00000024644	Cndp2	-0.045037002	0.603939934	0.812998583
ENSMUSG00000037822	Smim14	0.045046425	0.603936841	0.812998583
ENSMUSG00000054894	Atp5s	0.044916914	0.603876795	0.812998583
ENSMUSG00000046667	Rbm12b1	0.036177703	0.604119369	0.813152003
ENSMUSG00000004843	Chmp2b	-0.041217472	0.604698727	0.813667304
ENSMUSG00000020191	Spata48	-0.025506283	0.604583575	0.813667304
ENSMUSG00000047193	Dync2h1	-0.041309854	0.6046664	0.813667304
ENSMUSG00000033486	Catsper2	-0.034435189	0.604959644	0.813873945
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ENSMUSG00000001285	Myg1	0.043115453	0.606193715	0.814511102
ENSMUSG00000019961	Tmpo	-0.0431989	0.606333451	0.814511102
ENSMUSG00000032590	Apeh	0.046271467	0.60618208	0.814511102
ENSMUSG00000039230	Tbcd	-0.043996077	0.606265978	0.814511102
ENSMUSG00000063663	Brwd3	0.034293754	0.606195071	0.814511102

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ENSMUSG00000070814	Zswim9	-0.031404885	0.606375023	0.814511102
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ENSMUSG00000062232	Rapgef2	-0.036851416	0.606567904	0.814682086
ENSMUSG00000025986	Slc39a10	0.043910046	0.60689754	0.814794987
ENSMUSG00000027272	Ubr1	-0.043794896	0.606998497	0.814794987
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ENSMUSG00000037349	Nudt22	-0.043169315	0.607024182	0.814794987
ENSMUSG00000057842	Zfp595	-0.026241234	0.607016947	0.814794987
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ENSMUSG00000021377	Dek	-0.045707575	0.6072943	0.814866329
ENSMUSG00000023961	Enpp4	0.044995297	0.607295516	0.814866329
ENSMUSG00000073791	Efcab7	0.035932778	0.607192037	0.814866329
ENSMUSG00000039130	Zc3hc1	-0.045896459	0.60738144	0.814893591
ENSMUSG00000070815	Vmn1r87	-0.029414247	0.607574473	0.815064535
ENSMUSG00000070002	Ell	-0.035428768	0.607875007	0.815379639
ENSMUSG00000024164	C3	0.040467517	0.607956085	0.815400339
ENSMUSG00000026305	Lrrfip1	-0.044720266	0.608108888	0.815438023
ENSMUSG00000071068	Trem12	0.041736839	0.608115482	0.815438023
ENSMUSG00000038619	Ensa	-0.043631253	0.608368996	0.815689907
ENSMUSG00000020640	Itsn2	-0.043979279	0.608483855	0.815755851
ENSMUSG00000106631	Gm42669	0.034771309	0.608561141	0.815771415
ENSMUSG00000022092	Ppp3cc	0.03504205	0.608655957	0.815810471
ENSMUSG00000114676	Gm47678	-0.026282804	0.608882192	0.816025648
ENSMUSG00000040591	1110051M20Rik	-0.044287369	0.609131408	0.816271575
ENSMUSG00000015437	Gzmb	-0.022166622	0.609319968	0.81634811
ENSMUSG00000026499	Acbd3	0.04582694	0.609317002	0.81634811
ENSMUSG00000074340	Ovgp1	0.026671721	0.60949333	0.816492306
ENSMUSG00000028910	Mecr	0.045617078	0.609624796	0.81658035
ENSMUSG00000020275	Rel	0.037205925	0.609837198	0.816688716
ENSMUSG00000078894	2210418O10Rik	0.035553425	0.609783843	0.816688716
ENSMUSG00000028969	Cdk5	-0.043845009	0.610174878	0.817052841
ENSMUSG00000009013	Dynll1	0.044977794	0.610292619	0.817122412
ENSMUSG00000036743	Psmas8	-0.044722193	0.610843231	0.817670834
ENSMUSG00000063317	Usp31	0.021471319	0.610849095	0.817670834
ENSMUSG00000069830	Nlrp1a	-0.042039476	0.610899713	0.817670834
ENSMUSG00000091512	Lamtor3	-0.043164191	0.611008872	0.817728822
ENSMUSG00000015087	Rabl6	-0.043580142	0.611787786	0.81779638
ENSMUSG00000018347	Zkscan6	-0.044933669	0.611690659	0.81779638
ENSMUSG00000020160	Meis1	0.033265255	0.612206763	0.81779638
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ENSMUSG00000025144	Cenpx	0.040430356	0.611227947	0.81779638
ENSMUSG00000025486	Sirt3	-0.044042369	0.611582498	0.81779638
ENSMUSG00000025956	Mettl21a	-0.044286656	0.611251788	0.81779638
ENSMUSG00000026878	Rab14	0.044188114	0.611520816	0.81779638
ENSMUSG00000027889	Ampd2	-0.044292842	0.611273103	0.81779638
ENSMUSG00000037242	Clic4	-0.042826682	0.611452459	0.81779638
ENSMUSG00000043336	Filip1l	-0.038772643	0.612095587	0.81779638
ENSMUSG00000053898	Ech1	0.041198053	0.612244468	0.81779638
ENSMUSG00000064370	mt-Cytb	-0.036961967	0.612155449	0.81779638
ENSMUSG00000081049	Rps24-ps3	0.019278835	0.611517876	0.81779638
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ENSMUSG00000026987	Baz2b	-0.045142091	0.612468054	0.818007065
ENSMUSG00000099927	Gm8226	0.008209829	0.612538944	0.818013786
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ENSMUSG00000062981	Mrpl42	0.044806101	0.6138346	0.818599911
ENSMUSG00000067085	Gm10197	-0.041637652	0.613785849	0.818599911
ENSMUSG00000045392	Olfr1033	-0.028202307	0.61403078	0.818685736
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ENSMUSG00000056952	Tatdn2	0.029549409	0.61485234	0.819165603
ENSMUSG00000030340	Scnn1a	-0.042572442	0.614949458	0.819207123
ENSMUSG00000017418	Arl5b	-0.035102067	0.615372351	0.81968257
ENSMUSG00000030091	Nup210	0.043531794	0.615685489	0.819750638
ENSMUSG00000030589	Rasgrp4	-0.018923387	0.615607339	0.819750638
ENSMUSG00000040097	Flywch1	-0.043809217	0.615687441	0.819750638
ENSMUSG00000040620	Dhx33	-0.042612202	0.61557871	0.819750638
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ENSMUSG00000068523	Gng5	0.038979356	0.616421715	0.820464436
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ENSMUSG00000006369	Fbln1	-0.018608126	0.619017279	0.82267348
ENSMUSG00000008475	Arpc5	-0.043988813	0.619100199	0.82267348
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ENSMUSG00000021432	Slc35b3	-0.042329954	0.619192794	0.82267348
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ENSMUSG00000070883	Ccdc173	-0.035151727	0.619200743	0.82267348
ENSMUSG00000097412	1810014B01Rik	-0.044086166	0.619207339	0.82267348
ENSMUSG00000026142	Rhbdd1	-0.042236083	0.61950013	0.822974451
ENSMUSG00000049717	Lig4	-0.023495279	0.619658493	0.823096796
ENSMUSG00000024231	Cul2	-0.043758674	0.620267596	0.823665278
ENSMUSG00000029428	Stx2	-0.043893336	0.620272992	0.823665278
ENSMUSG00000049300	Prmt6	0.043124095	0.620285405	0.823665278
ENSMUSG00000034206	Polq	0.035129572	0.620406215	0.823737637
ENSMUSG00000059994	Fcrl1	-0.029021681	0.620886727	0.82428752
ENSMUSG00000031133	Arhgef6	-0.043833457	0.62096972	0.824309596
ENSMUSG00000086784	Isoc2a	-0.024763441	0.621403131	0.824796783
ENSMUSG00000028614	Ndc1	-0.043558011	0.621682534	0.824943312
ENSMUSG00000038876	Rnf146	-0.042458562	0.621754067	0.824943312
ENSMUSG00000044148	1810030O07Rik	0.041347025	0.621779188	0.824943312
ENSMUSG00000053226	Dand5	-0.041002354	0.621648636	0.824943312
ENSMUSG00000030603	Psmc4	0.04252642	0.622114166	0.825163447
ENSMUSG00000066760	Psg16	-0.038090889	0.622022125	0.825163447
ENSMUSG00000089682	Bcl2l2	-0.028993833	0.622144407	0.825163447
ENSMUSG00000037533	Rapgef6	-0.042509341	0.622221607	0.825177726
ENSMUSG00000001420	Tmem79	-0.032144462	0.622608646	0.825309268
ENSMUSG00000008307	1700109H08Rik	-0.028374149	0.622549579	0.825309268
ENSMUSG00000044986	Tst	0.039735429	0.622653019	0.825309268
ENSMUSG00000060802	B2m	-0.04411277	0.622525838	0.825309268
ENSMUSG00000090394	4930523C07Rik	-0.03855919	0.622548462	0.825309268
ENSMUSG00000048756	Foxo3	0.040759487	0.622720592	0.825310763
ENSMUSG00000041702	Btbd7	-0.043570742	0.622822319	0.825357518

ENSMUSG00000114096	Gm48641	0.030455837	0.623052974	0.825575101
ENSMUSG00000022009	Nufip1	0.038731095	0.62365251	0.825752886
ENSMUSG00000025420	Katnal2	-0.022012271	0.623506924	0.825752886
ENSMUSG00000026388	3110009E18Rik	0.043761206	0.62355356	0.825752886
ENSMUSG00000032305	Fam219b	-0.042606778	0.623638077	0.825752886
ENSMUSG00000038046	Mrm3	0.043833596	0.623497394	0.825752886
ENSMUSG00000071547	Nt5dc2	0.044038178	0.623313741	0.825752886
ENSMUSG00000117114	AC166058.1	-0.03328155	0.623329958	0.825752886
ENSMUSG00000034135	Sik3	-0.034426943	0.623900269	0.825992884
ENSMUSG00000031072	LTO1	-0.040710443	0.624203677	0.826246805
ENSMUSG00000103367	Gm38158	-0.037175117	0.624225104	0.826246805
ENSMUSG00000003346	Abhd17a	0.037382534	0.624574799	0.826621586
ENSMUSG00000041560	Nop53	0.039941902	0.624644752	0.826626088
ENSMUSG00000026510	Trp53bp2	-0.026576573	0.624979969	0.826728147
ENSMUSG00000040231	Syngn4	-0.027434664	0.624910046	0.826728147
ENSMUSG00000045312	Lhfpl2	-0.029603829	0.624988109	0.826728147
ENSMUSG00000082530	Gm12168	0.042189282	0.624851196	0.826728147
ENSMUSG00000018334	Ksr1	-0.018358184	0.625161453	0.826869387
ENSMUSG00000111743	Gm48856	-0.042370821	0.625460144	0.827176369
ENSMUSG00000075595	Zfp652	0.043665595	0.625547938	0.8272044
ENSMUSG00000024327	Slc39a7	-0.042301458	0.625926168	0.827466656
ENSMUSG00000039191	Rbpj	0.04317475	0.625920371	0.827466656
ENSMUSG00000098374	Gm28043	-0.036996546	0.625946116	0.827466656
ENSMUSG00000041915	Ammecr1l	-0.040786527	0.626113175	0.827560657
ENSMUSG00000083179	Gm12693	0.042702311	0.626150475	0.827560657
ENSMUSG00000026730	Pter	0.043566542	0.626421662	0.827600743
ENSMUSG00000036067	Slc2a6	-0.036031899	0.626280619	0.827600743
ENSMUSG00000038351	Sgsm2	-0.032712433	0.626447322	0.827600743
ENSMUSG00000040006	Ginm1	-0.042806981	0.626314836	0.827600743
ENSMUSG00000026797	Stxbp1	-0.022978111	0.626818069	0.827914423
ENSMUSG00000053110	Yap1	-0.026911561	0.626803652	0.827914423
ENSMUSG00000036158	Prickle1	-0.024091995	0.627043402	0.828062026
ENSMUSG00000071632	2510002D24Rik	0.043433496	0.627063153	0.828062026
ENSMUSG00000026504	Sdccag8	-0.041856532	0.627237581	0.828116283
ENSMUSG00000041718	Alg13	0.043023102	0.627175372	0.828116283
ENSMUSG00000032349	Elovl5	0.037945412	0.627363488	0.828194482
ENSMUSG00000013150	Gfod2	-0.029526995	0.62779601	0.82867739
ENSMUSG00000041058	Wwp1	0.042427969	0.627998829	0.828857024
ENSMUSG00000022332	Khdrbs3	-0.042694858	0.628150533	0.828881098
ENSMUSG00000034292	Traf3ip1	0.036064947	0.628111874	0.828881098
ENSMUSG00000020143	Dock2	0.043077755	0.628340855	0.828915437
ENSMUSG00000022837	lqcb1	0.038642179	0.628492898	0.828915437
ENSMUSG00000033684	Qsox1	-0.039043142	0.628427647	0.828915437

ENSMUSG00000034593	Myo5a	0.036848775	0.628293984	0.828915437
ENSMUSG00000059518	Znhit1	0.042240979	0.628510232	0.828915437
ENSMUSG00000015083	C8g	-0.03541374	0.62860516	0.828927661
ENSMUSG00000024384	lws1	0.042457339	0.628737176	0.828927661
ENSMUSG00000046541	Zfp526	-0.025374027	0.628786444	0.828927661
ENSMUSG00000073724	Pramel4	-0.037735082	0.62869311	0.828927661
ENSMUSG00000095990	Zfp97	-0.03852649	0.628939236	0.829041096
ENSMUSG00000021357	Exoc2	-0.042559107	0.629011091	0.829047831
ENSMUSG00000038838	Vars2	-0.035704095	0.629161181	0.829157669
ENSMUSG00000002043	Trappc6a	0.043704119	0.6295226	0.829477053
ENSMUSG00000040883	Tmem205	-0.040964531	0.629537089	0.829477053
ENSMUSG00000025227	Mfsd13a	-0.042845571	0.630090567	0.829854197
ENSMUSG00000027879	Sec22b	0.038525714	0.630017874	0.829854197
ENSMUSG00000029275	Gfi1	0.042325149	0.630081301	0.829854197
ENSMUSG00000032440	Tgfbr2	-0.027658543	0.629949153	0.829854197
ENSMUSG00000026979	Psd4	-0.040737754	0.630260718	0.829990286
ENSMUSG00000070939	Tgfbrap1	-0.038670378	0.630332602	0.829996952
ENSMUSG00000043279	Trim56	0.028353742	0.630433845	0.830042271
ENSMUSG00000003190	Bcl2l12	-0.042625545	0.630696497	0.83021208
ENSMUSG00000059363	Fxn	0.043296123	0.630659764	0.83021208
ENSMUSG00000033400	Ag1	-0.037507848	0.630880148	0.830306051
ENSMUSG00000040943	Tet2	0.042745977	0.630901579	0.830306051
ENSMUSG00000050192	Eif5a2	0.024416406	0.631020477	0.830374547
ENSMUSG00000056076	Eif3b	0.042938299	0.63118179	0.830498837
ENSMUSG00000015568	Lpl	-0.042295338	0.631318577	0.830502865
ENSMUSG00000026986	Hnmt	0.041606698	0.631291929	0.830502865
ENSMUSG00000107539	Gm44790	-0.009335122	0.631595279	0.83077888
ENSMUSG00000039242	B3galnt2	-0.041446035	0.631716743	0.830850663
ENSMUSG00000000168	Dlat	0.041095558	0.631868986	0.830874939
ENSMUSG00000055531	Cpsf6	0.043379759	0.631848161	0.830874939
ENSMUSG00000033184	Tmed7	0.041301817	0.632028176	0.830996292
ENSMUSG00000069633	Pex11g	0.041812664	0.63218352	0.831112564
ENSMUSG00000045538	Ddx28	0.040390012	0.632366624	0.831265301
ENSMUSG00000004530	Coro1c	-0.041360644	0.632612232	0.831500162
ENSMUSG00000070354	Evi2	-0.039057324	0.632884485	0.831769991
ENSMUSG00000021488	Nsd1	-0.036784303	0.633801706	0.832535004
ENSMUSG00000021589	Rhobtb3	0.030019689	0.633543247	0.832535004
ENSMUSG00000024339	Tap2	-0.04198272	0.633689868	0.832535004
ENSMUSG00000030061	Uba3	-0.041645038	0.63379994	0.832535004
ENSMUSG00000052812	Atad2b	-0.04157766	0.63374106	0.832535004
ENSMUSG00000028414	Fktn	-0.037939782	0.633902528	0.832544464
ENSMUSG00000045980	Tmem104	-0.028008416	0.633942963	0.832544464
ENSMUSG00000030068	Gm20696	-0.034681895	0.634015429	0.832551606

ENSMUSG00000020743	Mif4gd	0.042009809	0.634291527	0.832638347
ENSMUSG00000024477	Pggt1b	-0.041974058	0.634349624	0.832638347
ENSMUSG00000025161	Slc16a3	0.040026295	0.634333452	0.832638347
ENSMUSG00000038902	Pogz	0.034501337	0.634182623	0.832638347
ENSMUSG00000033703	Fuk	-0.037120727	0.634427834	0.832653014
ENSMUSG00000020464	Pnpt1	-0.041325003	0.634996504	0.832875412
ENSMUSG00000022031	Elp3	-0.040047577	0.634823573	0.832875412
ENSMUSG00000028133	Rwdd3	0.037577628	0.6349698	0.832875412
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ENSMUSG00000035578	lqcg	-0.030603894	0.634672609	0.832875412
ENSMUSG00000046836	Brox	-0.039194972	0.63499961	0.832875412
ENSMUSG00000022992	Kansl2	-0.041537412	0.63517617	0.833019028
ENSMUSG00000012519	Mkl	-0.040158287	0.635513329	0.833076923
ENSMUSG00000026958	Dpp7	0.04164937	0.635386596	0.833076923
ENSMUSG00000038372	Gm5s	0.041413718	0.635555665	0.833076923
ENSMUSG00000038954	Supt3	-0.041698363	0.63551161	0.833076923
ENSMUSG00000089687	Rab42	-0.029499632	0.635503349	0.833076923
ENSMUSG00000035051	Dhx57	0.033586713	0.635679259	0.833151005
ENSMUSG00000038482	Tfdp1	0.041508522	0.635827552	0.833257441
ENSMUSG00000031556	Tm2d2	0.03729363	0.63613543	0.833485039
ENSMUSG00000032018	Sc5d	0.050787629	0.636109718	0.833485039
ENSMUSG00000110867	Gm7368	-0.005643697	0.636224261	0.833513505
ENSMUSG00000017639	Rab11fip4	0.025628679	0.636299865	0.833524639
ENSMUSG00000025269	Apex2	0.040464716	0.636434864	0.833525669
ENSMUSG00000039065	Fam173b	0.0422951	0.636406202	0.833525669
ENSMUSG00000022468	Endou	0.02531953	0.636764651	0.833725203
ENSMUSG00000026361	Cdc73	-0.039100141	0.636788584	0.833725203
ENSMUSG00000039463	Slc9a8	0.042057622	0.636746577	0.833725203
ENSMUSG00000059586	Nsmce2	0.04237081	0.637162472	0.834126799
ENSMUSG00000001473	Tubb6	0.040199694	0.637832277	0.834545584
ENSMUSG00000021177	Tdp1	0.040734909	0.637812086	0.834545584
ENSMUSG00000024581	Napg	0.041894024	0.637860957	0.834545584
ENSMUSG00000028438	Kif24	0.031545622	0.637788141	0.834545584
ENSMUSG00000033557	Fam20b	0.039683892	0.637885498	0.834545584
ENSMUSG00000078185	Chml	0.026713728	0.637743766	0.834545584
ENSMUSG00000021113	Snapc1	-0.041033403	0.63827241	0.834787996
ENSMUSG00000040506	Ambra1	-0.00992942	0.638266072	0.834787996
ENSMUSG00000061099	Gapdhs	0.028868106	0.638146877	0.834787996
ENSMUSG00000075467	Dnlz	-0.041581417	0.638386558	0.834849382
ENSMUSG00000028128	F3	-0.023242527	0.638494201	0.834902249
ENSMUSG00000007613	Tgfbr1	0.039064392	0.638902779	0.83534857
ENSMUSG00000061242	Gm9104	0.018519388	0.639066522	0.835474715
ENSMUSG00000010554	Mettl16	0.04164779	0.640344242	0.836511863

ENSMUSG00000021179	Nrde2	-0.041024488	0.640300667	0.836511863
ENSMUSG00000025429	Pstpip2	-0.039457253	0.640314202	0.836511863
ENSMUSG00000028393	Alad	-0.039315552	0.640180422	0.836511863
ENSMUSG00000029173	Sepsecs	0.041451569	0.640093372	0.836511863
ENSMUSG00000030284	Creld1	0.035556717	0.640346949	0.836511863
ENSMUSG00000036943	Rab8b	0.040809168	0.640264594	0.836511863
ENSMUSG00000062190	Lancl2	0.041499766	0.640398623	0.836511863
ENSMUSG00000036180	Gatad2a	-0.040296106	0.640524221	0.836587944
ENSMUSG00000040738	Ints8	0.04125782	0.640905537	0.836997968
ENSMUSG00000028018	Gstcd	-0.043438267	0.64165329	0.837710271
ENSMUSG00000033862	Cdk10	-0.039491019	0.641578707	0.837710271
ENSMUSG00000048445	Ccdc57	-0.034900131	0.641602449	0.837710271
ENSMUSG00000032375	Aph1b	-0.029858819	0.641768159	0.837772181
ENSMUSG00000026773	Pfkfb3	0.039220004	0.642503766	0.838027856
ENSMUSG00000026988	Wdsub1	0.038980733	0.642232513	0.838027856
ENSMUSG00000029408	Abcb9	0.034721034	0.642359331	0.838027856
ENSMUSG00000036093	Arl5a	0.041298611	0.642362567	0.838027856
ENSMUSG00000036749	Pramel5	0.024387481	0.642373994	0.838027856
ENSMUSG00000059834	Sc1t1	-0.040777925	0.642467679	0.838027856
ENSMUSG00000072770	Acrbp	-0.021912106	0.642067796	0.838027856
ENSMUSG00000072946	Ptgr2	0.036242691	0.642396184	0.838027856
ENSMUSG00000047293	Gpr15	0.026222944	0.64268742	0.838179383
ENSMUSG00000078584	AU022252	0.041111053	0.643068668	0.838588548
ENSMUSG00000022685	Parn	-0.040695731	0.643187001	0.838624247
ENSMUSG00000040272	Accs	-0.039725112	0.643231076	0.838624247
ENSMUSG00000003575	Crtc1	-0.036114797	0.643314449	0.838644917
ENSMUSG00000047777	Phf13	-0.037917842	0.644016315	0.839471786
ENSMUSG00000032579	Hemk1	0.037230943	0.644313169	0.839682496
ENSMUSG00000034525	Ice1	0.038493498	0.644306423	0.839682496
ENSMUSG00000018509	Cenpv	0.038589711	0.644390681	0.83969541
ENSMUSG00000028737	Aldh4a1	-0.040083282	0.644652605	0.8398085
ENSMUSG00000061533	Cep128	-0.038828263	0.644651666	0.8398085
ENSMUSG00000080896	Gm14567	0.039697667	0.644680304	0.8398085
ENSMUSG00000064288	Hist1h4k	0.038136542	0.644861903	0.839956973
ENSMUSG00000050382	Kif7	-0.025877229	0.645187372	0.840292791
ENSMUSG00000078786	BC024978	0.020829711	0.645330921	0.84039163
ENSMUSG00000019726	Lyst	-0.035595271	0.64588011	0.841018644
ENSMUSG00000097473	Gm26585	0.020766044	0.646005817	0.841094156
ENSMUSG00000038740	Mvb12b	0.040781688	0.646104266	0.841134167
ENSMUSG00000018326	Ywhab	0.035225358	0.646741408	0.841403434
ENSMUSG00000021792	Fam213a	0.039698342	0.646522214	0.841403434
ENSMUSG00000022684	Bfar	-0.037200152	0.647014596	0.841403434
ENSMUSG00000022865	Cxadr	0.021215023	0.646634264	0.841403434

ENSMUSG00000031370	Zrsr2	0.040361832	0.646738229	0.841403434
ENSMUSG00000038871	Bpgm	-0.040083822	0.647056244	0.841403434
ENSMUSG00000042680	Garem1	-0.018401459	0.647036744	0.841403434
ENSMUSG00000056209	Npm3	0.035029062	0.646603127	0.841403434
ENSMUSG00000058290	Espl1	0.039667652	0.646736285	0.841403434
ENSMUSG00000115027	Vmn1r81	-0.027906817	0.646933107	0.841403434
ENSMUSG00000117209	CAA01162718.1	-0.034664486	0.646900853	0.841403434
ENSMUSG00000016559	H3f3b	0.047277879	0.647199689	0.841413789
ENSMUSG00000020641	Rsad2	0.013929376	0.647198694	0.841413789
ENSMUSG00000018398	Sept8	-0.020347142	0.647825543	0.842055325
ENSMUSG00000024095	Hnrnp11	-0.038381576	0.647828733	0.842055325
ENSMUSG00000021973	Micu2	-0.037638229	0.64811379	0.842203629
ENSMUSG00000027667	Zfp639	-0.039684491	0.648146243	0.842203629
ENSMUSG00000042015	Wdr41	-0.04007453	0.648063301	0.842203629
ENSMUSG00000048368	Omd	0.022126942	0.648398737	0.842443589
ENSMUSG00000028479	Gne	-0.038536021	0.648837427	0.842925393
ENSMUSG00000004814	Ccl24	-0.027711532	0.649079566	0.843151777
ENSMUSG00000030545	Pex11a	0.031316524	0.649195766	0.843214536
ENSMUSG00000027132	Katnbl1	-0.041337209	0.64928893	0.843246919
ENSMUSG00000095789	Nupr11	-0.022548792	0.649356475	0.843246919
ENSMUSG00000012819	Cdh23	-0.022817986	0.649596512	0.843404301
ENSMUSG00000030654	Arl6ip1	0.032155744	0.649681374	0.843404301
ENSMUSG00000035692	Isg15	-0.021733371	0.649616843	0.843404301
ENSMUSG00000091649	Phf11b	-0.028866805	0.649776676	0.843439868
ENSMUSG00000027956	Tmem144	-0.029529723	0.649861776	0.843462186
ENSMUSG00000095463	Entpd4	-0.039123515	0.650044977	0.843611813
ENSMUSG00000000439	Mktn2	-0.039545638	0.650379574	0.843870039
ENSMUSG00000107863	Gm44389	0.02474554	0.650379831	0.843870039
ENSMUSG00000020308	Tpgs1	0.039418545	0.650661455	0.844033877
ENSMUSG00000036330	Slc18a1	0.021972045	0.650709959	0.844033877
ENSMUSG00000038279	Nop2	0.03974397	0.650609012	0.844033877
ENSMUSG00000039202	Abhd2	0.036154079	0.65082742	0.844091997
ENSMUSG00000044475	Ascc1	0.03033966	0.650890681	0.844091997
ENSMUSG00000030393	Zik1	0.02234697	0.650959442	0.84409304
ENSMUSG00000026860	Sh3glb2	-0.038947843	0.651458649	0.844568737
ENSMUSG00000031883	Car7	-0.021532328	0.651462287	0.844568737
ENSMUSG00000019986	Ahi1	-0.039434423	0.651547006	0.844590415
ENSMUSG00000025027	Xpnpep1	-0.039234909	0.651692396	0.844690728
ENSMUSG00000026896	Ifih1	-0.023613504	0.651784459	0.844721908
ENSMUSG00000000204	Slfn4	-0.023975791	0.651887275	0.844767015
ENSMUSG00000027663	Zmat3	0.020219328	0.652086879	0.844937526
ENSMUSG00000031021	Tmem9b	0.032363085	0.652397126	0.845075055
ENSMUSG00000082545	Gm12196	0.027670331	0.652378393	0.845075055

ENSMUSG00000095690	Rab11b-ps2	-0.038331589	0.652305431	0.845075055
ENSMUSG00000027935	Rab13	0.027935957	0.652825605	0.845365601
ENSMUSG00000031227	Magee1	-0.024490145	0.652796608	0.845365601
ENSMUSG00000033790	Tubgcp5	0.039301228	0.652818609	0.845365601
ENSMUSG00000034575	Tent4a	0.035228268	0.652984596	0.845483338
ENSMUSG00000038417	Fig4	-0.038354825	0.653224633	0.845705979
ENSMUSG00000031358	Msl3	0.035576297	0.653353855	0.845754913
ENSMUSG00000106924	Gm42857	-0.025878049	0.653398611	0.845754913
ENSMUSG00000005078	Jkamp	-0.039096614	0.653489666	0.845784635
ENSMUSG00000015023	Ddx19a	-0.034760259	0.653884712	0.84613671
ENSMUSG00000040177	2310057M21Rik	0.039826226	0.653897937	0.84613671
ENSMUSG00000029502	Golga3	0.039634135	0.654191897	0.846348855
ENSMUSG00000036634	Mag	0.028632198	0.654198161	0.846348855
ENSMUSG00000030714	Sgf29	0.037711377	0.65438301	0.84649983
ENSMUSG00000109865	Hspa14	-0.037951573	0.654563041	0.846644542
ENSMUSG00000081739	Mdm4-ps	0.029577447	0.654638587	0.846654091
ENSMUSG00000022751	Nit2	-0.037214505	0.655018831	0.846705058
ENSMUSG00000026069	Ii1rl1	0.011292071	0.654991938	0.846705058
ENSMUSG00000031166	Wdr13	-0.035041425	0.654934593	0.846705058
ENSMUSG00000042111	Ccdc115	0.039510128	0.65480013	0.846705058
ENSMUSG00000072421	Gm10357	0.036374418	0.654855736	0.846705058
ENSMUSG00000020265	Sumo3	0.038625714	0.655690399	0.847064638
ENSMUSG00000025283	Sat1	0.033987978	0.655445671	0.847064638
ENSMUSG00000035165	Kcne3	-0.027804845	0.655594361	0.847064638
ENSMUSG00000039841	Zfp800	-0.038643328	0.655514861	0.847064638
ENSMUSG00000041815	Poldip3	-0.038956816	0.655383197	0.847064638
ENSMUSG00000047466	8030462N17Rik	-0.037729073	0.655774379	0.847064638
ENSMUSG00000078180	Gm20900	0.018463691	0.655715803	0.847064638
ENSMUSG00000040167	Ikzf5	0.032741845	0.656028341	0.847304567
ENSMUSG00000024030	Abcg1	-0.0276135	0.656104464	0.84731478
ENSMUSG00000030726	Pold3	0.037056349	0.656539868	0.847788928
ENSMUSG00000054091	1810037I17Rik	0.038262409	0.656809756	0.84804927
ENSMUSG00000028053	Ash1l	-0.037672781	0.657454253	0.848440445
ENSMUSG00000029027	Dffb	-0.039191634	0.657419645	0.848440445
ENSMUSG00000031988	Vps26b	-0.038126096	0.657260866	0.848440445
ENSMUSG00000042625	Safb2	-0.03904932	0.65743772	0.848440445
ENSMUSG00000044952	Kctd21	-0.022606354	0.657437029	0.848440445
ENSMUSG00000020592	Sdc1	0.027821072	0.657733272	0.848557593
ENSMUSG00000038646	Ramac	0.0373009	0.65774998	0.848557593
ENSMUSG00000043282	Teddm1b	-0.028672436	0.657657096	0.848557593
ENSMUSG00000003452	Bicd1	0.034375025	0.658258193	0.848948709
ENSMUSG00000020326	Ccng1	-0.039018091	0.65813858	0.848948709
ENSMUSG00000061455	Stx17	0.039369467	0.658225711	0.848948709

ENSMUSG00000027395	Polr1b	0.038898375	0.658366925	0.848990566
ENSMUSG00000047221	Fam185a	0.038568758	0.65842735	0.848990566
ENSMUSG00000032739	Pram1	-0.036682225	0.658737997	0.849126678
ENSMUSG00000053477	Tcf4	-0.039214111	0.658651981	0.849126678
ENSMUSG00000060098	Prmt7	-0.038918743	0.658690666	0.849126678
ENSMUSG00000026761	Orc4	0.039008651	0.65898532	0.849357337
ENSMUSG00000023982	Guca1a	-0.038816056	0.659112766	0.849433457
ENSMUSG00000049709	Nlrp10	-0.026847326	0.659347122	0.849647329
ENSMUSG00000027551	Zfp64	-0.038892341	0.659563135	0.849837521
ENSMUSG00000096370	Gm21992	-0.037488607	0.659968419	0.850271521
ENSMUSG00000021891	Mettl6	0.043060586	0.66019693	0.850359714
ENSMUSG00000022013	Dnajc15	0.03819532	0.660149754	0.850359714
ENSMUSG00000026563	Tada1	0.037867154	0.660418005	0.850359714
ENSMUSG00000028121	Bcar3	0.028023088	0.660305497	0.850359714
ENSMUSG00000029465	Arpc3	0.036996345	0.660447642	0.850359714
ENSMUSG00000029729	Zkscan1	0.036953591	0.660372696	0.850359714
ENSMUSG00000017831	Rab5a	-0.03851269	0.660854288	0.850795098
ENSMUSG00000026821	Ralgds	-0.021532335	0.661162727	0.85087685
ENSMUSG00000047084	Ngrn	-0.034569097	0.661137979	0.85087685
ENSMUSG00000050212	Eva1b	-0.024782991	0.661191801	0.85087685
ENSMUSG00000117340	AC154343.2	-0.003310668	0.66116472	0.85087685
ENSMUSG00000090100	Ttbk2	0.017111606	0.661287783	0.850912209
ENSMUSG00000032123	Dpagt1	-0.035159754	0.661468052	0.85096743
ENSMUSG00000042997	Nhlrc3	0.036098489	0.661491864	0.85096743
ENSMUSG00000091537	Tma7	0.034904382	0.661536229	0.85096743
ENSMUSG00000013155	Enkd1	0.038476888	0.661770239	0.851164576
ENSMUSG00000021408	Ripk1	-0.038178516	0.661826542	0.851164576
ENSMUSG00000022546	Gpt	0.033246425	0.662073213	0.851340633
ENSMUSG00000038732	Mboat1	-0.038582354	0.662193021	0.851340633
ENSMUSG00000038872	Zfhx3	-0.018102382	0.662237597	0.851340633
ENSMUSG00000040268	Plekha1	0.033053315	0.66220468	0.851340633
ENSMUSG00000067242	Lgi1	-0.018741719	0.66251002	0.851602707
ENSMUSG00000015882	Lcorl	0.038654101	0.664126732	0.851943276
ENSMUSG00000019756	Prl8a1	0.025635714	0.663801954	0.851943276
ENSMUSG00000022119	Rbm26	0.037662779	0.663413758	0.851943276
ENSMUSG00000023286	Ube2j2	0.04008024	0.663639413	0.851943276
ENSMUSG00000024069	Slc30a6	0.036824803	0.664199444	0.851943276
ENSMUSG00000024349	Tmem173	0.036326606	0.663588652	0.851943276
ENSMUSG00000025058	5430427O19Rik	-0.038286177	0.663916635	0.851943276
ENSMUSG00000025722	Wdr73	0.035747461	0.664274284	0.851943276
ENSMUSG00000028525	Pde4b	-0.032681987	0.663304111	0.851943276
ENSMUSG00000028886	Eya3	-0.037574967	0.663470468	0.851943276
ENSMUSG00000031153	Gripap1	-0.037761457	0.663944198	0.851943276

ENSMUSG00000031879	Ciao2b	0.038691153	0.663707368	0.851943276
ENSMUSG00000032041	Tirap	-0.03557781	0.663073336	0.851943276
ENSMUSG00000055835	Zfp1	0.038718976	0.663060228	0.851943276
ENSMUSG00000059554	Ccdc28a	0.033578458	0.663643886	0.851943276
ENSMUSG00000061653	Vmn1r46	0.029978556	0.664177799	0.851943276
ENSMUSG00000063656	Gm10135	-0.026751315	0.663343901	0.851943276
ENSMUSG00000064061	Dzip3	-0.035655434	0.664283924	0.851943276
ENSMUSG00000071714	Csf2rb2	-0.028364477	0.663843177	0.851943276
ENSMUSG00000079043	Fastkd5	0.037235912	0.663978626	0.851943276
ENSMUSG00000097394	Tmem134	-0.036828715	0.663786703	0.851943276
ENSMUSG00000111269	Gm47933	0.029435445	0.663491229	0.851943276
ENSMUSG00000038525	Armc10	0.037177014	0.664755215	0.852421296
ENSMUSG00000048440	Cyp4f16	-0.037521691	0.664793905	0.852421296
ENSMUSG00000031349	Nsdhl	-0.036514358	0.665008878	0.852608925
ENSMUSG00000025981	Coq10b	0.038474507	0.665230349	0.852628848
ENSMUSG00000112049	Gm48269	-0.005052782	0.66519592	0.852628848
ENSMUSG00000113978	Gm48260	0.015306731	0.665189408	0.852628848
ENSMUSG00000014592	Camta1	-0.037220317	0.665843305	0.852733417
ENSMUSG00000021868	Ppif	0.032255795	0.665607477	0.852733417
ENSMUSG00000027555	Car13	0.032271472	0.665861156	0.852733417
ENSMUSG00000028869	Gnl2	-0.036567039	0.665788833	0.852733417
ENSMUSG00000030443	Zfp583	0.024379121	0.665622465	0.852733417
ENSMUSG00000031982	Arv1	0.038115118	0.665632994	0.852733417
ENSMUSG00000034422	Parp14	0.029942136	0.665769302	0.852733417
ENSMUSG00000063382	Bcl9l	-0.016897914	0.665708577	0.852733417
ENSMUSG00000050017	Pitpnb	-0.036890016	0.666373597	0.853213736
ENSMUSG00000063450	Syne2	-0.033649151	0.666330281	0.853213736
ENSMUSG00000028671	Gale	-0.036221629	0.666663903	0.853264694
ENSMUSG00000042042	Csgalnact2	0.037793107	0.666682229	0.853264694
ENSMUSG00000046056	Sbsn	0.030914731	0.666586997	0.853264694
ENSMUSG00000067787	Blcap	-0.038857761	0.666736532	0.853264694
ENSMUSG00000079104	Prps1l3	0.036148773	0.666825568	0.853264694
ENSMUSG00000081833	Gm13669	0.021098554	0.666772482	0.853264694
ENSMUSG00000033904	Ccp110	0.035142548	0.666988777	0.853297724
ENSMUSG00000058357	Gm6612	0.018373885	0.66696362	0.853297724
ENSMUSG00000021311	Mtr	0.037072187	0.667401692	0.853738045
ENSMUSG00000020258	Glyctk	-0.016624484	0.667780777	0.85395913
ENSMUSG00000033478	Fam160b1	-0.037175256	0.667703819	0.85395913
ENSMUSG00000040374	Pex2	0.037526094	0.667724659	0.85395913
ENSMUSG00000078630	Tomt	-0.025925448	0.667917972	0.854046647
ENSMUSG00000053347	Zfp943	-0.03631614	0.668003193	0.854067695
ENSMUSG00000085611	Ap3s1-ps1	0.038031761	0.668502397	0.854617978
ENSMUSG00000001774	Chordc1	-0.035168616	0.668894145	0.854957955

ENSMUSG00000030986	Dhx32	-0.03764242	0.669220094	0.854957955
ENSMUSG00000036534	Slc38a7	-0.032368776	0.669274095	0.854957955
ENSMUSG00000039452	Snx22	0.023742373	0.669318988	0.854957955
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ENSMUSG00000055319	Sec23ip	-0.036409913	0.669265187	0.854957955
ENSMUSG00000055629	B4galnt4	0.014778421	0.669208301	0.854957955
ENSMUSG00000060743	H3f3a	-0.046477453	0.669124423	0.854957955
ENSMUSG00000044881	Coa4	-0.037554702	0.669427899	0.855009145
ENSMUSG00000031918	Mtmr2	0.037400077	0.669721526	0.855296224
ENSMUSG00000017466	Timp2	0.034537233	0.670168174	0.855690675
ENSMUSG00000021559	Dapk1	-0.027958632	0.670149621	0.855690675
ENSMUSG00000034274	Thoc5	0.035138013	0.67030836	0.855695047
ENSMUSG00000075279	Mrpl23-ps1	0.037110091	0.67030938	0.855695047
ENSMUSG00000032519	Slc25a38	-0.036988919	0.670387425	0.855706732
ENSMUSG00000022361	Zhx1	0.037627611	0.670548891	0.855824885
ENSMUSG00000021288	Klc1	-0.03470324	0.670882735	0.856162998
ENSMUSG00000007891	Ctsd	0.032775768	0.67099698	0.856214527
ENSMUSG00000014959	Gorasp2	-0.034166195	0.671129912	0.856214527
ENSMUSG00000066902	Rps23-ps2	0.005466115	0.67109351	0.856214527
ENSMUSG00000025911	Adhfe1	0.01648091	0.671246889	0.856275814
ENSMUSG00000056310	Tyw1	-0.037307516	0.671424324	0.856375289
ENSMUSG00000107476	Zfp862-ps	-0.02117602	0.67146276	0.856375289
ENSMUSG00000023169	Slc38a1	0.035299521	0.67176031	0.856666818
ENSMUSG00000030689	Ino80e	0.032865862	0.672009068	0.856888685
ENSMUSG00000035891	Cerk	0.037528082	0.672072262	0.856888685
ENSMUSG00000015214	Mtmr1	0.043806862	0.672149268	0.856898908
ENSMUSG00000003929	Zfp81	0.033989914	0.672418428	0.856953241
ENSMUSG00000022286	Grhl2	-0.020153319	0.67242648	0.856953241
ENSMUSG00000024474	Ik	0.034459203	0.672605841	0.856953241
ENSMUSG00000032463	Faim	0.036140208	0.672542607	0.856953241
ENSMUSG00000044715	Gskip	0.03519043	0.672315599	0.856953241
ENSMUSG00000054675	Tmem119	-0.037249913	0.67257964	0.856953241
ENSMUSG00000026810	Dpm2	0.032027365	0.672712078	0.857000689
ENSMUSG00000032840	2410131K14Rik	-0.036619173	0.672821657	0.857052384
ENSMUSG00000043391	2510009E07Rik	0.020168101	0.673095082	0.857312758
ENSMUSG00000083240	Gm13453	0.035980333	0.673584784	0.857832678
ENSMUSG00000099693	Gm29284	0.02788639	0.673641409	0.857832678
ENSMUSG00000002486	Tchp	-0.03059219	0.674230245	0.857899428
ENSMUSG00000013997	Nit1	-0.036941151	0.673894511	0.857899428
ENSMUSG00000020124	Usp15	0.032791222	0.674165989	0.857899428
ENSMUSG00000022560	Slc52a2	-0.036945578	0.673827904	0.857899428
ENSMUSG00000024240	Epc1	-0.034160406	0.674031034	0.857899428
ENSMUSG00000048924	Ccdc125	-0.036343711	0.674047483	0.857899428

ENSMUSG00000078580	E430018J23Rik	0.030955736	0.674246375	0.857899428
ENSMUSG00000084383	Gm13370	0.004403571	0.673971334	0.857899428
ENSMUSG00000024026	Glo1	0.032414587	0.674426153	0.858040279
ENSMUSG00000024109	Nrxn1	-0.022751584	0.674575966	0.858142981
ENSMUSG00000027665	Pik3ca	-0.035701666	0.67482998	0.858290311
ENSMUSG00000033126	Ybey	-0.034828742	0.674808485	0.858290311
ENSMUSG00000052387	Trpm3	0.016133058	0.675122701	0.858398922
ENSMUSG00000056537	Rlim	0.034254121	0.674998197	0.858398922
ENSMUSG00000070282	3000002C10Rik	0.033140044	0.675113427	0.858398922
ENSMUSG00000074529	Zfp972	0.017387211	0.675224337	0.858440275
ENSMUSG00000001999	Blvra	0.037140161	0.675480189	0.858677661
ENSMUSG00000028049	Scamp3	0.03232536	0.675597586	0.858739011
ENSMUSG00000019998	Stx7	-0.036755409	0.675812842	0.858924722
ENSMUSG00000017843	Ppp2r5c	0.033058929	0.675998469	0.85902258
ENSMUSG00000030609	Aen	0.035051701	0.676028155	0.85902258
ENSMUSG00000042535	Gtpbp1	-0.03422233	0.676179168	0.859038708
ENSMUSG00000113691	Gm38699	-0.023323933	0.67612309	0.859038708
ENSMUSG00000020516	Rps6kb1	0.034605416	0.676589897	0.859447348
ENSMUSG00000028847	Trappc3	-0.036680062	0.676777595	0.859447348
ENSMUSG00000053291	Rab4b	-0.037595001	0.67671228	0.859447348
ENSMUSG00000060121	Gemin2	-0.036679713	0.676646777	0.859447348
ENSMUSG00000019814	Ltv1	0.034362703	0.677158649	0.859634347
ENSMUSG00000032431	Crtap	0.036581072	0.677249246	0.859634347
ENSMUSG00000045973	Slc25a51	0.035142268	0.677270499	0.859634347
ENSMUSG00000048661	Lemd3	0.031643466	0.677270889	0.859634347
ENSMUSG00000063160	Numb1	-0.01677427	0.67701174	0.859634347
ENSMUSG00000039356	Exosc2	0.035520554	0.677474759	0.859805249
ENSMUSG00000030161	Gabarapl1	-0.036762279	0.677987553	0.860368145
ENSMUSG00000057778	Cyb5d2	0.021480418	0.678178345	0.860522344
ENSMUSG00000022108	Itm2b	-0.034008892	0.678496133	0.860570561
ENSMUSG00000025147	Mob2	-0.036189157	0.678839224	0.860570561
ENSMUSG00000033706	Smyd5	-0.03381783	0.678760679	0.860570561
ENSMUSG00000040928	S100pbp	-0.028317355	0.678619813	0.860570561
ENSMUSG00000051166	Eml5	-0.026930767	0.67845797	0.860570561
ENSMUSG00000061561	Olfr373	0.02070275	0.678725382	0.860570561
ENSMUSG00000073002	Vamp5	0.036317374	0.678604009	0.860570561
ENSMUSG00000093859	Gm7882	-0.019769664	0.67864434	0.860570561
ENSMUSG00000114268	Gm48841	0.026253558	0.678839897	0.860570561
ENSMUSG00000028999	Rint1	0.02733984	0.678983513	0.860576961
ENSMUSG00000054598	9130230L23Rik	-0.022774438	0.678963753	0.860576961
ENSMUSG00000039887	Alg14	0.035993857	0.67918159	0.860740183
ENSMUSG00000009741	Ubp1	0.034770546	0.679379354	0.860817758
ENSMUSG00000073982	Rhog	0.035632239	0.679381409	0.860817758

ENSMUSG00000056429	Tgoln1	0.036248167	0.67955106	0.860944892
ENSMUSG00000026172	Bcs1l	-0.036046581	0.679826441	0.861053636
ENSMUSG00000026596	Abl2	-0.019191049	0.679888734	0.861053636
ENSMUSG00000028454	Pigo	-0.031983375	0.679914182	0.861053636
ENSMUSG00000037761	Actr5	-0.028929787	0.679886846	0.861053636
ENSMUSG00000018199	Trove2	-0.022778886	0.67998944	0.861061152
ENSMUSG00000046794	Ppp1r3b	0.026374855	0.680291648	0.861356021
ENSMUSG00000022568	Scrib	0.028485359	0.680490843	0.861432609
ENSMUSG00000054013	Tmem179	0.016225777	0.680453731	0.861432609
ENSMUSG00000015994	Fnta	-0.036380696	0.680571948	0.861447485
ENSMUSG00000060376	Bckdha	0.037021251	0.680664275	0.861476559
ENSMUSG00000016637	Ift27	0.03613675	0.681210254	0.861564019
ENSMUSG00000021365	Nedd9	-0.032124059	0.681575792	0.861564019
ENSMUSG00000021555	Naa35	-0.036127571	0.681692744	0.861564019
ENSMUSG00000026027	Stradb	0.034357236	0.680999902	0.861564019
ENSMUSG00000028843	Sh3bgrl3	0.027155119	0.681494885	0.861564019
ENSMUSG00000032656	March3	0.01867618	0.681139995	0.861564019
ENSMUSG00000038290	Smg6	0.036506541	0.681643832	0.861564019
ENSMUSG00000041859	Mcm3	-0.029440737	0.681446451	0.861564019
ENSMUSG00000042797	Aqp11	-0.028589378	0.681388025	0.861564019
ENSMUSG00000051444	Bbs12	0.030216462	0.680982108	0.861564019
ENSMUSG00000054901	Arhgef33	0.008904263	0.680946557	0.861564019
ENSMUSG00000069793	Sifn9	0.036113998	0.681654059	0.861564019
ENSMUSG00000075256	Cerkl	-0.034200759	0.68164618	0.861564019
ENSMUSG00000095362	Gm14325	-0.028166794	0.681704466	0.861564019
ENSMUSG00000021428	Riok1	0.032935209	0.681870306	0.861685937
ENSMUSG00000016520	Lnx2	0.029787557	0.682132285	0.861929309
ENSMUSG00000030397	Mark4	0.024721439	0.682224663	0.86195835
ENSMUSG00000008859	Rala	-0.033974858	0.682359013	0.862003433
ENSMUSG00000024854	Pold4	-0.035911552	0.682498888	0.862003433
ENSMUSG00000030054	Gp9	-0.019113719	0.682537941	0.862003433
ENSMUSG00000031788	Kifc3	-0.014431487	0.682453188	0.862003433
ENSMUSG00000033161	Atp1a1	0.036496775	0.682729345	0.862157503
ENSMUSG00000026885	Ttll11	0.02045989	0.682863558	0.862239326
ENSMUSG00000033352	Map2k4	-0.035757552	0.683114695	0.862468756
ENSMUSG00000015733	Capza2	0.036387699	0.683985122	0.862955541
ENSMUSG00000024921	Smarca2	-0.035756965	0.683614679	0.862955541
ENSMUSG00000026074	Map4k4	-0.010722358	0.683953943	0.862955541
ENSMUSG00000026427	Eif2d	-0.03155473	0.683806341	0.862955541
ENSMUSG00000030842	Lamtor1	-0.030997698	0.683933472	0.862955541
ENSMUSG00000038384	Setd1b	0.02993063	0.683986579	0.862955541
ENSMUSG00000059890	Ube4a	-0.029457029	0.68364629	0.862955541
ENSMUSG00000012443	Kif11	-0.033128178	0.684527399	0.863386993

ENSMUSG00000044197	Gpr146	-0.035791933	0.684537083	0.863386993
ENSMUSG00000097656	Gm26712	0.035337064	0.684470729	0.863386993
ENSMUSG00000025413	Ttc4	-0.035442592	0.684766424	0.863440813
ENSMUSG00000025825	Iscu	0.03469193	0.684908236	0.863440813
ENSMUSG00000029162	Khk	-0.035987082	0.684927327	0.863440813
ENSMUSG00000063875	Rps6-ps1	0.021649776	0.684754069	0.863440813
ENSMUSG00000079108	Srp54c	0.034253048	0.684837218	0.863440813
ENSMUSG00000022471	Xrcc6	0.032307931	0.685144891	0.863627429
ENSMUSG00000024943	Smc5	-0.033758039	0.68523279	0.863650582
ENSMUSG00000060657	Marf1	0.027665583	0.685325695	0.863680038
ENSMUSG00000087370	Tmem170b	-0.035267401	0.685541947	0.863864921
ENSMUSG00000020899	Pfas	0.0338391	0.685889518	0.863972519
ENSMUSG00000022901	Cd86	0.025699684	0.685922161	0.863972519
ENSMUSG00000024037	Wdr4	0.03536956	0.685945201	0.863972519
ENSMUSG00000024107	Lhcgr	-0.016825958	0.685975121	0.863972519
ENSMUSG00000055670	Zzef1	0.031616113	0.68595229	0.863972519
ENSMUSG00000022749	Tbc1d23	-0.034884801	0.686238105	0.864216111
ENSMUSG00000024381	Bin1	0.033168511	0.686428057	0.864231968
ENSMUSG00000035064	Eef2k	0.03448302	0.686440716	0.864231968
ENSMUSG00000036779	Tent4b	-0.027918362	0.686459432	0.864231968
ENSMUSG00000046753	Ccdc66	0.028000609	0.686637384	0.864368394
ENSMUSG00000035530	Eif1	-0.031060443	0.686716674	0.864380605
ENSMUSG00000010205	Raver1	-0.031048848	0.687078967	0.864573787
ENSMUSG00000018481	Appbp2	0.035792119	0.687041667	0.864573787
ENSMUSG00000048720	Tbc1d12	-0.022232879	0.686945599	0.864573787
ENSMUSG00000024966	Stip1	0.034897753	0.687260218	0.864617008
ENSMUSG00000029163	Emilin1	-0.034771115	0.68728354	0.864617008
ENSMUSG00000047246	Hist1h2be	-0.023702525	0.687322143	0.864617008
ENSMUSG00000068264	Ap5s1	-0.032053349	0.687493251	0.864744675
ENSMUSG00000022469	Rapgef3	-0.034104269	0.687777318	0.864815042
ENSMUSG00000026944	Abca2	-0.029294278	0.688036571	0.864815042
ENSMUSG00000031732	Phlpp2	0.021320358	0.687901917	0.864815042
ENSMUSG00000035311	Gnptab	0.035607251	0.687897091	0.864815042
ENSMUSG00000042548	Asxl1	-0.028732078	0.687920938	0.864815042
ENSMUSG00000081111	Gm5913	0.034551943	0.687697819	0.864815042
ENSMUSG00000099241	Gm18852	0.011327507	0.688013795	0.864815042
ENSMUSG00000029229	Chic2	0.035671655	0.68828457	0.865039223
ENSMUSG00000004709	Cd244a	0.03074379	0.688557022	0.865294089
ENSMUSG00000000325	Arvcf	-0.013302707	0.688676283	0.86535641
ENSMUSG00000022142	Nup155	0.034527488	0.68882868	0.865460352
ENSMUSG00000053965	Pde5a	0.014342309	0.688942471	0.865515771
ENSMUSG00000024505	Dtwd2	-0.032913903	0.689082634	0.865516776
ENSMUSG00000048732	Klhl11	0.02159667	0.689064186	0.865516776

ENSMUSG0000000244	Tspan32	-0.034672225	0.689291952	0.865692147
ENSMUSG00000026970	Rbms1	0.031240504	0.689402319	0.865743221
ENSMUSG00000023988	Bysl	0.037372144	0.689685236	0.865835893
ENSMUSG00000038437	Mllt6	-0.019692003	0.689645887	0.865835893
ENSMUSG00000041396	Mettl18	0.03545033	0.689677167	0.865835893
ENSMUSG00000031660	Brd7	0.028978851	0.689904951	0.866024194
ENSMUSG00000026080	Chst10	-0.022726312	0.690315924	0.866196026
ENSMUSG00000032495	Lrrc2	-0.01944371	0.690460257	0.866196026
ENSMUSG00000036114	Rpp25l	0.0345432	0.690413616	0.866196026
ENSMUSG00000039899	Fgl2	0.0352513	0.69033408	0.866196026
ENSMUSG00000042396	Rbm7	-0.034382086	0.690150069	0.866196026
ENSMUSG00000064284	Cdpf1	-0.033227457	0.690418868	0.866196026
ENSMUSG00000000976	Heatr6	-0.034469432	0.690566227	0.866202315
ENSMUSG00000028973	Abcb8	0.032364556	0.690604744	0.866202315
ENSMUSG00000053740	Gm6457	0.006825828	0.690705146	0.866240773
ENSMUSG00000028619	Tceanc2	0.034246097	0.690998123	0.866510927
ENSMUSG00000055128	Cgrrf1	-0.037997599	0.691060079	0.866510927
ENSMUSG00000028772	Zcchc17	0.035119556	0.691499842	0.866914269
ENSMUSG00000036411	9530077C05Rik	-0.021307724	0.691591136	0.866914269
ENSMUSG00000049950	Rpp38	0.035182222	0.69158878	0.866914269
ENSMUSG00000084957	Bbip1	-0.033567934	0.691737154	0.867009808
ENSMUSG00000026740	Dnajc1	0.035003661	0.69184107	0.86705256
ENSMUSG00000029699	Ssc4d	-0.023058211	0.69221618	0.867347642
ENSMUSG00000039354	Smarcal1	-0.032911164	0.692213064	0.867347642
ENSMUSG00000099655	2310034G01Rik	0.032888908	0.69228949	0.867352003
ENSMUSG00000028439	Fam219a	0.020398353	0.692420695	0.86742889
ENSMUSG00000069844	Sco1	0.033709065	0.692506423	0.867448798
ENSMUSG00000030225	Dera	0.034875754	0.692620293	0.867503949
ENSMUSG00000038618	Rassf7	-0.031177287	0.692693	0.867507538
ENSMUSG00000018405	Mrm1	-0.032932105	0.693095367	0.867836447
ENSMUSG00000021036	Sptlc2	0.034772007	0.693038446	0.867836447
ENSMUSG00000001911	Nfix	-0.032335724	0.693235549	0.867924478
ENSMUSG00000001173	Ocrl	0.0288961	0.694551753	0.867968169
ENSMUSG00000004508	Gab2	-0.029459801	0.694391615	0.867968169
ENSMUSG00000005698	Ctcf	0.032043534	0.693538029	0.867968169
ENSMUSG00000020009	Ifngr1	0.034671426	0.693831569	0.867968169
ENSMUSG00000020397	Med7	0.034867993	0.694598148	0.867968169
ENSMUSG00000020982	Nemf	0.033147278	0.694082329	0.867968169
ENSMUSG00000021965	Ska3	-0.034383852	0.69363637	0.867968169
ENSMUSG00000027884	Clcc1	0.032240473	0.694499591	0.867968169
ENSMUSG00000028126	Pip5k1a	0.03383966	0.693454521	0.867968169
ENSMUSG00000029840	Mtpn	0.03179496	0.693808598	0.867968169
ENSMUSG00000031723	Txnl4b	-0.033603131	0.694580761	0.867968169

ENSMUSG00000033436	Armcx2	-0.028935538	0.694170818	0.867968169
ENSMUSG00000036026	Tmem63b	-0.021947145	0.694078754	0.867968169
ENSMUSG00000038187	Btbd10	-0.034680512	0.693753557	0.867968169
ENSMUSG00000043190	Rfesd	-0.033914859	0.69423739	0.867968169
ENSMUSG00000046567	4930430F08Rik	-0.033676667	0.694187163	0.867968169
ENSMUSG00000059729	Olf1385	0.030841606	0.694038949	0.867968169
ENSMUSG00000079834	Tmlhe	-0.032398118	0.693658501	0.867968169
ENSMUSG00000115431	Gm3219	0.03386692	0.694256122	0.867968169
ENSMUSG00000005973	Rcn1	-0.034457227	0.694886986	0.868241752
ENSMUSG00000027309	4930402H24Rik	-0.031825929	0.695007011	0.868304373
ENSMUSG00000101330	Gm10193	0.033886306	0.695200017	0.868458152
ENSMUSG00000023935	Spats1	0.020429848	0.695396545	0.868528958
ENSMUSG00000039068	Zzz3	0.032926197	0.695383259	0.868528958
ENSMUSG00000021583	Erap1	-0.034360894	0.695488908	0.86855698
ENSMUSG00000014547	Wdfy2	0.032190443	0.695585758	0.868590601
ENSMUSG00000024287	Thoc1	-0.032734631	0.695656835	0.868592033
ENSMUSG00000005225	Plekha8	0.02953421	0.696138307	0.869018484
ENSMUSG00000100153	Ppp1ccb	-0.033020622	0.696129712	0.869018484
ENSMUSG00000028249	Sdcbp	-0.031387195	0.696218786	0.869031609
ENSMUSG00000075254	Heg1	0.027551825	0.696451586	0.869234842
ENSMUSG00000020133	2310011J03Rik	0.034203837	0.69656402	0.869287822
ENSMUSG00000028289	Epha7	0.027637554	0.696655889	0.869296493
ENSMUSG00000117055	AC098880.1	-0.024250849	0.69671094	0.869296493
ENSMUSG00000015697	Setdb1	0.029820884	0.696931975	0.869379653
ENSMUSG00000025747	Tyms	0.033599368	0.696854068	0.869379653
ENSMUSG00000028461	Ccdc107	0.034188401	0.696987568	0.869379653
ENSMUSG00000030852	Tacc2	-0.024427913	0.69718309	0.869448912
ENSMUSG00000034951	Cog7	0.033431772	0.697136558	0.869448912
ENSMUSG00000018379	Srsf1	0.034305163	0.697491632	0.869746367
ENSMUSG00000063787	Chchd1	0.031141719	0.69765645	0.869864562
ENSMUSG00000022912	Pros1	0.03361592	0.697851838	0.869933528
ENSMUSG00000057181	5730455P16Rik	-0.034129965	0.697842633	0.869933528
ENSMUSG00000024400	Wdr33	-0.032523651	0.69811069	0.870092822
ENSMUSG00000078899	Gm4631	0.031974274	0.698119722	0.870092822
ENSMUSG00000040688	Tbl3	0.033399587	0.698270631	0.870193589
ENSMUSG00000021711	Trappc13	-0.031368562	0.698561004	0.870454185
ENSMUSG00000060096	Amd-ps3	0.004507204	0.698619899	0.870454185
ENSMUSG00000019818	Cd164	-0.030189174	0.698818432	0.870614217
ENSMUSG00000095762	Gm16378	-0.031793438	0.69890105	0.870629821
ENSMUSG00000056749	Nfil3	-0.032457913	0.699024197	0.870695904
ENSMUSG00000020802	Ube2o	-0.021742466	0.69910139	0.87070474
ENSMUSG00000079605	Zbtb9	-0.033907142	0.699306259	0.870872573
ENSMUSG00000047284	Neur14	-0.018952302	0.699554966	0.87092034

ENSMUSG00000058444	Map2k5	-0.033312653	0.69949103	0.87092034
ENSMUSG00000114540	Gm6421	-0.022619705	0.69943662	0.87092034
ENSMUSG00000014353	Tmem87b	0.032612335	0.700498915	0.871495646
ENSMUSG00000029328	Hnrnpdl	0.033801188	0.700431418	0.871495646
ENSMUSG00000029913	Prdm5	-0.031266412	0.700261042	0.871495646
ENSMUSG00000052821	Cysltr1	-0.030748602	0.700420159	0.871495646
ENSMUSG00000064181	Rab3ip	-0.032734769	0.700261781	0.871495646
ENSMUSG00000078878	Gm14305	0.03350262	0.700508215	0.871495646
ENSMUSG00000093826	Gm6900	0.010078995	0.70029048	0.871495646
ENSMUSG00000063904	Dpp3	0.028801238	0.700676481	0.871617683
ENSMUSG00000020680	Taf15	0.027800403	0.700913927	0.871806655
ENSMUSG00000033417	Cacul1	0.034021564	0.700968768	0.871806655
ENSMUSG00000037366	Pafah2	-0.029156275	0.701099711	0.871882209
ENSMUSG00000032328	Tmem30a	-0.034168165	0.701362087	0.872035947
ENSMUSG00000057315	Arhgap24	-0.031001693	0.701363748	0.872035947
ENSMUSG00000023904	Hcfc1r1	0.031433559	0.701626795	0.87227569
ENSMUSG00000024646	Cyb5a	0.029880204	0.701893237	0.872358266
ENSMUSG00000025521	Tmem192	0.0331608	0.7018506	0.872358266
ENSMUSG00000112449	Srp54b	0.033792989	0.701903913	0.872358266
ENSMUSG00000031590	Frg1	0.02749155	0.702358537	0.872748638
ENSMUSG00000031796	Cfap20	-0.031048131	0.702320191	0.872748638
ENSMUSG00000032661	Oas3	0.019213617	0.702484568	0.872766645
ENSMUSG00000037791	Phf12	0.030123264	0.702514458	0.872766645
ENSMUSG00000048833	Slc39a9	-0.028367484	0.702583824	0.872766645
ENSMUSG00000037913	Tmem156	-0.032969084	0.702788451	0.872933534
ENSMUSG00000026556	Vangl2	0.019895229	0.702894162	0.872977541
ENSMUSG00000022756	Slc7a4	0.030004949	0.703043228	0.872988097
ENSMUSG00000045039	Megf8	0.026328558	0.7029971	0.872988097
ENSMUSG00000027694	Gm8325	-0.033501088	0.703241137	0.873096047
ENSMUSG00000030922	Lym1	-0.033118013	0.703315855	0.873096047
ENSMUSG00000042496	Prdm10	-0.02792986	0.703405035	0.873096047
ENSMUSG00000073403	Gm10499	-0.03344581	0.703411331	0.873096047
ENSMUSG00000023348	Trip6	-0.029279586	0.703514927	0.873137381
ENSMUSG00000028603	Scp2	0.031633578	0.703888641	0.873513919
ENSMUSG00000098905	Zfp953	0.022553825	0.704001334	0.87356649
ENSMUSG00000020962	Gtf2a1	-0.029122833	0.704422056	0.873707159
ENSMUSG00000023110	Prmt5	-0.033151572	0.704401837	0.873707159
ENSMUSG00000030930	Chst15	0.030565866	0.704421984	0.873707159
ENSMUSG00000034714	Ttyh2	0.017087568	0.704466404	0.873707159
ENSMUSG00000036073	Galt	0.033004812	0.704279322	0.873707159
ENSMUSG00000034724	Cnot6l	-0.032973415	0.70472944	0.873907729
ENSMUSG00000117098	Myl12b	-0.028236692	0.704768837	0.873907729
ENSMUSG00000030798	Cd37	0.032231983	0.704966523	0.8740656

ENSMUSG00000030322	Mbd4	0.031338037	0.705300029	0.874188268
ENSMUSG00000032009	Sesn3	-0.014932674	0.705333849	0.874188268
ENSMUSG00000091577	Gm6211	-0.02225058	0.705346979	0.874188268
ENSMUSG00000105504	Gbp5	-0.026430839	0.705232886	0.874188268
ENSMUSG00000025196	Cpn1	0.018157406	0.705572964	0.874381102
ENSMUSG00000044982	Sft2d3	-0.032747149	0.705663974	0.874406646
ENSMUSG00000037816	Fbxw17	-0.029944878	0.705876826	0.874583148
ENSMUSG00000029003	Mad2l2	0.032036697	0.706347999	0.874905116
ENSMUSG00000033365	Ipo13	-0.032478677	0.706334691	0.874905116
ENSMUSG00000039031	Arhgap18	0.033306059	0.706304239	0.874905116
ENSMUSG00000028191	Bcl10	0.03198784	0.70649784	0.875003456
ENSMUSG00000104218	Gm9134	0.007299287	0.706570698	0.875006445
ENSMUSG00000020246	Hcfc2	-0.032741794	0.706667252	0.875032663
ENSMUSG00000027562	Car2	0.031555022	0.706803213	0.875032663
ENSMUSG00000060733	Ipmk	-0.032632357	0.706763708	0.875032663
ENSMUSG00000024571	Gm16286	-0.032482165	0.707010795	0.875038501
ENSMUSG00000028644	Ermap	-0.016199118	0.707230618	0.875038501
ENSMUSG00000032872	Cyb5r4	0.03127928	0.707174471	0.875038501
ENSMUSG00000036192	Rorb	0.032714793	0.707199777	0.875038501
ENSMUSG00000063698	Sfxn4	-0.030111197	0.706962942	0.875038501
ENSMUSG00000069520	Tmem19	0.033011099	0.707077709	0.875038501
ENSMUSG00000034610	Tut4	0.033353302	0.707436894	0.875119377
ENSMUSG00000061755	Bod1l	-0.031832254	0.707425273	0.875119377
ENSMUSG00000022099	Dmtn	0.020294097	0.707686322	0.87534075
ENSMUSG00000018040	Rrp7a	-0.032973699	0.707824893	0.875424972
ENSMUSG00000020288	Ahsa2	-0.031443939	0.708275326	0.875720469
ENSMUSG00000031511	Arhgef7	0.031950417	0.708215046	0.875720469
ENSMUSG00000085917	Gm15899	-0.031706151	0.708161495	0.875720469
ENSMUSG00000026767	Mindy3	0.038548785	0.708374188	0.875755528
ENSMUSG00000001472	Tcf25	-0.031979641	0.708928172	0.875864256
ENSMUSG00000012640	Zfp715	-0.028125386	0.708932411	0.875864256
ENSMUSG00000026078	Pdcl3	0.030218471	0.708770276	0.875864256
ENSMUSG00000027611	Procr	-0.018887177	0.708563556	0.875864256
ENSMUSG00000033228	Scaf11	-0.032556542	0.708639175	0.875864256
ENSMUSG00000049823	Zbtb12	-0.018597397	0.708774078	0.875864256
ENSMUSG00000118332	Fam220a	0.028035191	0.708955739	0.875864256
ENSMUSG00000032815	Fanca	-0.031998768	0.709196644	0.876027569
ENSMUSG00000047394	Odf3b	-0.017962571	0.709228986	0.876027569
ENSMUSG00000033952	Aspm	-0.031521619	0.709355817	0.876097107
ENSMUSG00000030590	Fam98c	0.033119177	0.709499727	0.876187722
ENSMUSG00000002343	Armc6	0.028801051	0.710457812	0.876295734
ENSMUSG00000005982	Naa60	-0.032025563	0.71014237	0.876295734
ENSMUSG00000017146	Brca1	-0.031391481	0.710240216	0.876295734

ENSMUSG00000022940	Pigp	0.032686779	0.710323772	0.876295734
ENSMUSG00000024213	Nudt3	0.032678559	0.709911669	0.876295734
ENSMUSG00000026496	Parp1	0.027343366	0.709880847	0.876295734
ENSMUSG00000039449	Prpf18	-0.03186353	0.710447757	0.876295734
ENSMUSG00000040263	Klhdc4	-0.032447773	0.71045333	0.876295734
ENSMUSG00000040945	Rcc2	0.031490039	0.710416767	0.876295734
ENSMUSG00000042447	Mios	0.031300377	0.709741846	0.876295734
ENSMUSG00000048677	Tpcn2	-0.027238444	0.710504335	0.876295734
ENSMUSG00000049891	Gm7984	-0.032682907	0.70972768	0.876295734
ENSMUSG00000057531	Dtnbp1	0.033128449	0.71012301	0.876295734
ENSMUSG00000064307	Lrrc51	0.024891961	0.711264735	0.877146472
ENSMUSG00000051811	Cox6b2	-0.032333692	0.711442753	0.877278907
ENSMUSG00000067071	Hes6	-0.039177972	0.711612995	0.877401728
ENSMUSG00000021176	Efcab11	-0.032036714	0.711826984	0.877491362
ENSMUSG00000078995	Zfp456	-0.01541293	0.71182378	0.877491362
ENSMUSG00000020747	Tmem94	0.025179708	0.71213903	0.877788914
ENSMUSG00000025060	Slk	-0.028535079	0.712393724	0.878015721
ENSMUSG00000073386	9830107B12Rik	-0.024129214	0.712851902	0.878493251
ENSMUSG00000095545	Zfp969	-0.028957183	0.713032727	0.878541762
ENSMUSG00000106715	Tmem265	-0.022872735	0.713003096	0.878541762
ENSMUSG00000044201	Cdc25c	0.031602315	0.713384065	0.87888747
ENSMUSG00000026581	Sell	0.032626954	0.713800809	0.87896499
ENSMUSG00000039988	Ankrd13c	0.032159914	0.713608573	0.87896499
ENSMUSG00000050538	B230217C12Rik	0.026877929	0.713662059	0.87896499
ENSMUSG00000055917	Zfp277	0.030165278	0.713714862	0.87896499
ENSMUSG00000089996	Tmsb15b2	0.031444853	0.713774098	0.87896499
ENSMUSG00000030942	Thumpd1	0.032332465	0.714021972	0.878976728
ENSMUSG00000033257	Ttll4	-0.030844925	0.714012575	0.878976728
ENSMUSG00000059540	Tcea2	-0.030333901	0.714022638	0.878976728
ENSMUSG00000030934	Oat	-0.025838603	0.714178692	0.87908171
ENSMUSG00000004069	Dnaja3	-0.028917542	0.714368319	0.879140879
ENSMUSG00000028284	Map3k7	-0.031731796	0.714317164	0.879140879
ENSMUSG00000022488	Nckap1l	-0.031475499	0.714442331	0.879144858
ENSMUSG00000108528	Gm8319	0.019494883	0.714515042	0.879147235
ENSMUSG00000027652	Ralgapb	0.023154014	0.714853403	0.879476438
ENSMUSG00000006398	Cdc20	-0.030725217	0.714965541	0.879502822
ENSMUSG00000047669	Msl3l2	0.032284148	0.715016464	0.879502822
ENSMUSG00000054008	Ndst1	0.028223015	0.715203142	0.879645334
ENSMUSG00000028085	Gatb	-0.03193464	0.71567315	0.880027677
ENSMUSG00000031786	Drc7	0.024716978	0.71572656	0.880027677
ENSMUSG00000074580	4931440P22Rik	0.026235242	0.71562765	0.880027677
ENSMUSG00000002205	Vrk3	-0.031667601	0.716236372	0.880040375
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ENSMUSG00000021774	Ube2e1	-0.031638758	0.715922232	0.880040375
ENSMUSG00000024998	Plce1	-0.019849816	0.716351916	0.880040375
ENSMUSG00000027620	Rbm39	-0.033022736	0.716587099	0.880040375
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ENSMUSG00000046138	9930021J03Rik	0.028539196	0.717023946	0.880315749
ENSMUSG00000023367	Tmem176a	-0.028673609	0.71744739	0.880661531
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ENSMUSG00000061758	Akr1b10	-0.030413575	0.71771664	0.880817941
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ENSMUSG00000037730	Mynn	-0.029812815	0.717906152	0.880891815
ENSMUSG00000056050	Mia3	-0.031646659	0.717918674	0.880891815
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ENSMUSG00000040564	Apoc1	-0.017975534	0.718182162	0.881041051
ENSMUSG00000020807	4933427D14Rik	-0.027125177	0.718370174	0.881097653
ENSMUSG00000101462	Gm3052	-0.022182433	0.718316987	0.881097653
ENSMUSG00000001366	Fbxo9	0.030449401	0.719343791	0.881216183
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ENSMUSG00000040751	Lat2	-0.03090034	0.719071251	0.881216183
ENSMUSG00000040913	Fbxw4	-0.031476682	0.718639091	0.881216183
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ENSMUSG00000044080	S100a1	-0.031312769	0.721071176	0.881711466
ENSMUSG00000053897	Slc39a8	0.030052768	0.721219306	0.881805787
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ENSMUSG00000028106	Rprd2	-0.028262366	0.721636684	0.881865017
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ENSMUSG00000022263	Trio	-0.023107608	0.724436266	0.882320875
ENSMUSG00000022472	Desi1	-0.031202215	0.722459474	0.882320875
ENSMUSG00000022571	Pycrl	0.030386003	0.723317689	0.882320875
ENSMUSG00000024371	C2	-0.023091768	0.723032109	0.882320875
ENSMUSG00000025010	Ccnj	0.004289599	0.723989198	0.882320875
ENSMUSG00000027304	Rtf1	0.030105512	0.723774892	0.882320875
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ENSMUSG00000030232	Aebp2	-0.030997286	0.724119262	0.882320875
ENSMUSG00000032352	Lrrc1	-0.026935155	0.723015904	0.882320875
ENSMUSG00000035024	Ncapd3	-0.029240468	0.72373959	0.882320875
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ENSMUSG00000038679	Trps1	0.022796579	0.723384192	0.882320875
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ENSMUSG00000042745	ld1	-0.0310493	0.723590766	0.882320875
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ENSMUSG00000052253	Zfp622	0.029658906	0.724337644	0.882320875
ENSMUSG00000073062	Zxdb	-0.021220397	0.724645674	0.882320875
ENSMUSG00000074570	Cass4	0.019433677	0.723395531	0.882320875
ENSMUSG00000079469	Pigb	-0.030715353	0.72457781	0.882320875
ENSMUSG00000079553	Kifc1	0.021016213	0.723842643	0.882320875
ENSMUSG00000082110	Gm11196	0.008848203	0.723614865	0.882320875
ENSMUSG00000100033	Gm8337	-0.021555965	0.72419857	0.882320875
ENSMUSG00000108314	Prkcz2	0.020433808	0.722624279	0.882320875
ENSMUSG00000112972	Gm48417	0.003020117	0.722720985	0.882320875
ENSMUSG00000020088	Sar1a	0.029567436	0.72497844	0.88234413
ENSMUSG00000029467	Atp2a2	0.03124894	0.724898906	0.88234413
ENSMUSG00000035696	Rnf38	-0.018323554	0.724998325	0.88234413
ENSMUSG00000054309	Cpsf3	0.026908303	0.724926469	0.88234413
ENSMUSG00000028470	Hint2	0.031182287	0.7254235	0.882688607
ENSMUSG00000089698	Gm2541	0.02799051	0.725408138	0.882688607
ENSMUSG00000093989	Rnasek	0.025560215	0.725570619	0.882781141
ENSMUSG00000003662	Ciao1	0.029263343	0.725825326	0.882841942
ENSMUSG00000024590	Lmnbl1	-0.029315503	0.72572654	0.882841942
ENSMUSG00000044636	Csrnp2	-0.020476495	0.726014146	0.882841942
ENSMUSG00000078184	Rbm8a2	-0.013040185	0.725950368	0.882841942
ENSMUSG00000094747	Olfr1307	-0.022807707	0.726047052	0.882841942
ENSMUSG00000117748	Chtf8	-0.002613086	0.726032662	0.882841942
ENSMUSG00000038240	Pdss2	0.02991517	0.726256898	0.882985279
ENSMUSG00000059461	Gm7331	0.008940143	0.726307108	0.882985279
ENSMUSG00000035062	Zc4h2	0.03107166	0.726398416	0.883009857
ENSMUSG00000114763	Gm49354	-0.020253818	0.726477723	0.883019845
ENSMUSG00000030754	Copb1	-0.02617724	0.726716227	0.883050505
ENSMUSG00000031666	Rbl2	-0.028436312	0.726711801	0.883050505
ENSMUSG00000060538	Tmem219	0.031088346	0.726597506	0.883050505
ENSMUSG00000025509	Pnpla2	-0.030537359	0.726865411	0.883145384
ENSMUSG00000024369	Nelfe	0.02879084	0.72705878	0.883207541
ENSMUSG00000054893	Zfp667	-0.028243832	0.726996776	0.883207541
ENSMUSG00000029798	Herc6	-0.027077173	0.727197503	0.883289672
ENSMUSG00000052906	Ubxn8	-0.029589953	0.727430722	0.883486555
ENSMUSG00000027394	Ttl	0.025421362	0.727605902	0.883612917
ENSMUSG00000014444	Piezo1	0.023477051	0.72771173	0.88365504
ENSMUSG00000020553	Pctp	-0.030138802	0.728029834	0.883890023
ENSMUSG00000046785	Epm2aip1	-0.024908808	0.728047567	0.883890023
ENSMUSG00000032468	Armc8	-0.03036247	0.728183505	0.883968658
ENSMUSG00000071796	6820431F20Rik	-0.030184112	0.728349156	0.88400124

ENSMUSG00000094520	Olfrc635	0.022231584	0.728379441	0.88400124
ENSMUSG00000103318	Gm38356	-0.016427404	0.728423854	0.88400124
ENSMUSG00000026389	Steap3	-0.030163814	0.728540585	0.884019441
ENSMUSG00000035171	1110059E24Rik	-0.027887477	0.72862773	0.884019441
ENSMUSG00000063628	Gm7665	0.012308449	0.728652366	0.884019441
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ENSMUSG00000020311	Erlec1	0.024852627	0.729070151	0.884267195
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ENSMUSG00000040904	Gm21988	-0.027192854	0.72938751	0.884315778
ENSMUSG00000052456	Asna1	0.0311021	0.729261201	0.884315778
ENSMUSG00000108352	Usf2-ps1	-0.020022449	0.729292152	0.884315778
ENSMUSG00000029490	Mfsd7a	-0.026890458	0.729894342	0.884640743
ENSMUSG00000030286	Emc3	0.02662595	0.729947909	0.884640743
ENSMUSG00000036768	Kif15	0.030655	0.729838226	0.884640743
ENSMUSG00000038742	Angptl6	-0.029758879	0.729867408	0.884640743
ENSMUSG00000047044	D030056L22Rik	0.029970827	0.730302467	0.884984092
ENSMUSG00000074521	Gm14327	-0.005816317	0.730384663	0.884997357
ENSMUSG00000112013	Gm47967	0.016157577	0.730508592	0.88506118
ENSMUSG00000035851	Ythdc1	0.030021708	0.730786192	0.885224819
ENSMUSG00000095186	Gm10718	-0.009290609	0.730761126	0.885224819
ENSMUSG00000044408	Sptssa	0.028576813	0.730960729	0.885269887
ENSMUSG00000046432	Bex3	-0.025114891	0.730965942	0.885269887
ENSMUSG00000006527	Sfmbt1	0.030289948	0.73111462	0.885363625
ENSMUSG00000004668	Abca13	-0.014813979	0.731236444	0.885424826
ENSMUSG00000028528	Dnajc6	0.013551345	0.731564339	0.885735515
ENSMUSG00000115598	Gm9290	0.018940231	0.731736075	0.885857094
ENSMUSG00000038000	Acd	-0.033794702	0.731907166	0.885977868
ENSMUSG00000009293	Ube2g2	-0.026883139	0.732254645	0.886312117
ENSMUSG00000031774	Fam192a	-0.029892312	0.732343934	0.886333821
ENSMUSG00000048905	4930539E08Rik	0.014027234	0.732559233	0.886508012
ENSMUSG00000009030	Pdcl	0.029557398	0.732904362	0.886752882
ENSMUSG00000037029	Zfp146	0.02727212	0.73287282	0.886752882
ENSMUSG00000036890	Gtdc1	-0.024664003	0.733017703	0.886803632
ENSMUSG00000002768	Mea1	0.028519894	0.733262534	0.886932879
ENSMUSG00000024726	Carnmt1	0.028577932	0.733267348	0.886932879
ENSMUSG00000018322	Tommm34	0.027741429	0.733414488	0.887001546
ENSMUSG00000061479	Snrpa	0.030320073	0.733466942	0.887001546
ENSMUSG00000047583	Tyw3	-0.02963081	0.73370411	0.887201982
ENSMUSG00000037949	Ano10	0.028206548	0.733900635	0.887353236
ENSMUSG00000019826	Zbtb24	-0.02987195	0.734747037	0.887379584
ENSMUSG00000028645	Slc2a1	0.028520112	0.734048007	0.887379584
ENSMUSG00000030872	Gga2	0.028979593	0.734307311	0.887379584

ENSMUSG00000033735	Spr	0.029423622	0.734707544	0.887379584
ENSMUSG00000034757	Tmub2	-0.029602401	0.734563124	0.887379584
ENSMUSG00000037434	Slc30a1	-0.026790487	0.734768197	0.887379584
ENSMUSG00000047547	Cltb	0.026822408	0.734153493	0.887379584
ENSMUSG00000048612	Myof	-0.009467788	0.734091932	0.887379584
ENSMUSG00000051768	Xrcc1	-0.029978473	0.734779729	0.887379584
ENSMUSG00000063286	Gm8995	0.027404396	0.734636964	0.887379584
ENSMUSG00000090247	Bloc1s1	0.02877213	0.734297188	0.887379584
ENSMUSG00000091831	Gm4707	-0.016414804	0.734574302	0.887379584
ENSMUSG0000004626	Stxbp2	-0.028450473	0.735137486	0.887552752
ENSMUSG00000025141	Myadml2	-0.017320041	0.73505358	0.887552752
ENSMUSG00000069539	Scyl2	-0.025936993	0.735115542	0.887552752
ENSMUSG00000037938	Chchd5	0.028835945	0.735270408	0.887584063
ENSMUSG00000054408	Spcs3	0.027195958	0.735306336	0.887584063
ENSMUSG00000026812	Tsc1	-0.028532575	0.735379661	0.887586315
ENSMUSG00000017548	Suz12	-0.029274987	0.735578219	0.887611914
ENSMUSG00000019806	Aig1	0.02921106	0.735615251	0.887611914
ENSMUSG00000037316	Bag4	0.029802325	0.735575372	0.887611914
ENSMUSG00000026333	Gin1	0.02834762	0.735741862	0.887678452
ENSMUSG00000001151	Pcnt	-0.029572386	0.735962509	0.887792506
ENSMUSG00000061118	Dnajc30	-0.029574227	0.735979344	0.887792506
ENSMUSG00000030498	Gas2	0.027347684	0.736298432	0.887918721
ENSMUSG00000073176	Zfp449	-0.022353984	0.736271568	0.887918721
ENSMUSG00000074682	Zcchc3	-0.028890626	0.736203036	0.887918721
ENSMUSG00000028675	Pnrc2	-0.028812126	0.736454053	0.888020172
ENSMUSG00000052539	Magi3	-0.024601794	0.736637755	0.888069257
ENSMUSG00000054612	Mgmt	0.029147778	0.736623205	0.888069257
ENSMUSG00000009555	Cdk9	-0.029973147	0.737077008	0.888439754
ENSMUSG00000042766	Trim46	-0.020834973	0.737159657	0.888439754
ENSMUSG00000053168	9030619P08Rik	0.024622499	0.737125119	0.888439754
ENSMUSG00000003235	Eif2b5	0.027540596	0.737708434	0.888553156
ENSMUSG00000022864	D16Ertd472e	0.030030795	0.737721165	0.888553156
ENSMUSG00000025006	Sorbs1	-0.014721652	0.737879562	0.888553156
ENSMUSG00000027427	Polr3f	0.028019782	0.737843396	0.888553156
ENSMUSG00000028218	Fam92a	0.029031816	0.737672409	0.888553156
ENSMUSG00000038538	Ubn2	0.029119931	0.737909701	0.888553156
ENSMUSG00000044702	Palb2	-0.028628981	0.738112186	0.888553156
ENSMUSG00000051451	Crebzf	-0.029158239	0.738077617	0.888553156
ENSMUSG00000064354	mt-Co2	0.015892753	0.737392279	0.888553156
ENSMUSG00000076432	Ywhaq	0.024566988	0.737752303	0.888553156
ENSMUSG00000111023	Gm48391	0.016045277	0.738002138	0.888553156
ENSMUSG00000114254	Gm48067	-0.022780678	0.737850574	0.888553156
ENSMUSG00000003778	Brd8	-0.025505144	0.738598212	0.888647754

ENSMUSG00000028273	Pdlim5	-0.029020457	0.738441081	0.888647754
ENSMUSG00000031691	Tnpo2	-0.022372017	0.738809091	0.888647754
ENSMUSG00000035041	Creb3l3	-0.024570849	0.738577962	0.888647754
ENSMUSG00000045140	Pigw	-0.023930357	0.738383987	0.888647754
ENSMUSG00000055681	Cope	0.028563963	0.73873044	0.888647754
ENSMUSG00000063383	Zfp947	0.025844601	0.738906207	0.888647754
ENSMUSG00000064145	Arih2	0.029450264	0.738442195	0.888647754
ENSMUSG00000081137	BC022960	-0.019188979	0.73882622	0.888647754
ENSMUSG00000111917	Gm48793	0.020874263	0.738859937	0.888647754
ENSMUSG00000109493	Gm45208	0.019617258	0.739352917	0.889098904
ENSMUSG00000033282	Rpgrip1l	-0.026518702	0.739470054	0.889153682
ENSMUSG00000030522	Mtmr10	-0.017020682	0.739555222	0.889170014
ENSMUSG00000042605	Atxn2	-0.025605791	0.739776192	0.889177481
ENSMUSG00000057132	Rpgrip1	-0.014043451	0.739763807	0.889177481
ENSMUSG00000081769	Gm12216	0.019085195	0.73970034	0.889177481
ENSMUSG00000031540	Kat6a	0.023711753	0.739929985	0.889190243
ENSMUSG00000091732	Gm17541	0.015748579	0.739884233	0.889190243
ENSMUSG00000046442	Ppm1e	-0.016234156	0.740127626	0.889255683
ENSMUSG00000070034	Sp110	-0.023352682	0.7400949	0.889255683
ENSMUSG00000024542	Cep192	0.02790625	0.740275968	0.889347887
ENSMUSG00000044816	D630023F18Rik	-0.021585041	0.740416681	0.889430908
ENSMUSG00000022503	Nubp1	0.030559876	0.740912834	0.889854797
ENSMUSG00000074221	Zfp568	-0.023435243	0.740858734	0.889854797
ENSMUSG00000024246	Thumpd2	-0.028724387	0.741382201	0.890027769
ENSMUSG00000030801	Kat8	-0.028934962	0.74126298	0.890027769
ENSMUSG00000036285	Noa1	-0.029109316	0.741181612	0.890027769
ENSMUSG00000054676	1600014C10Rik	0.027205349	0.741415129	0.890027769
ENSMUSG00000085642	3110053B16Rik	-0.017069426	0.741337195	0.890027769
ENSMUSG00000024511	Rab27b	-0.015485564	0.741507189	0.890052261
ENSMUSG00000047875	Gpr157	-0.023992918	0.741626384	0.890109316
ENSMUSG00000035298	Klhl35	-0.012646639	0.742105135	0.890441743
ENSMUSG00000041012	Cmtm8	0.023296525	0.742118422	0.890441743
ENSMUSG00000098134	Rnf113a2	-0.026008532	0.742023036	0.890441743
ENSMUSG00000032373	Car12	-0.026727365	0.742402735	0.890696838
ENSMUSG00000018476	Kdm6b	0.013052604	0.742666287	0.890903726
ENSMUSG00000019790	Stxbp5	-0.022625067	0.742718628	0.890903726
ENSMUSG00000021067	Sav1	0.029044823	0.743193898	0.891387738
ENSMUSG00000078183	Gm15610	0.028772109	0.743362993	0.891504465
ENSMUSG00000015316	Slamf1	-0.01403313	0.74371207	0.891750905
ENSMUSG00000033014	Trim33	0.022332061	0.743668489	0.891750905
ENSMUSG00000021277	Traf3	0.035136476	0.743896415	0.891829646
ENSMUSG00000022555	Dgat1	0.028692651	0.744209802	0.891829646
ENSMUSG00000024853	Sf3b2	-0.024737683	0.744211884	0.891829646

ENSMUSG00000027508	Pag1	0.01692196	0.744216099	0.891829646
ENSMUSG00000028223	Decr1	0.028223318	0.744342865	0.891829646
ENSMUSG00000029406	Pitpnm2	0.020921952	0.744168042	0.891829646
ENSMUSG00000031995	St14	-0.021117616	0.744281258	0.891829646
ENSMUSG00000069910	Spdl1	-0.027838452	0.744423941	0.891829646
ENSMUSG00000079427	Mthfsl	0.028579352	0.744395863	0.891829646
ENSMUSG00000046101	Mcmdc2	0.013291898	0.744597093	0.891951056
ENSMUSG00000036023	Parp2	-0.027100002	0.744674215	0.891957418
ENSMUSG00000028789	Azin2	0.020454945	0.744823615	0.891964339
ENSMUSG00000029504	Ddx51	-0.028250188	0.744819778	0.891964339
ENSMUSG00000007411	Mark3	-0.027771231	0.745060248	0.89199786
ENSMUSG00000039182	AW209491	-0.028308963	0.745065488	0.89199786
ENSMUSG00000051817	Sox12	-0.019436852	0.745067047	0.89199786
ENSMUSG00000055991	Zkscan5	-0.019610559	0.745153872	0.892015829
ENSMUSG00000022272	Myo10	0.018591754	0.745241057	0.892034227
ENSMUSG00000037262	Kin	0.028363143	0.745320822	0.892043739
ENSMUSG00000030103	Bhlhe40	0.022137704	0.745505254	0.892136251
ENSMUSG00000038463	Olfml2b	0.015091525	0.745541767	0.892136251
ENSMUSG00000033526	Ppip5k1	-0.028478676	0.745688525	0.892225909
ENSMUSG00000028397	Kdm4c	-0.010345895	0.745937779	0.892438177
ENSMUSG00000021892	Sh3bp5	-0.023536126	0.746888711	0.892797535
ENSMUSG00000026918	Brd3	-0.027067116	0.74658569	0.892797535
ENSMUSG00000027678	Ncoa3	-0.02456009	0.746468034	0.892797535
ENSMUSG00000031767	Nudt7	0.028608412	0.746905883	0.892797535
ENSMUSG00000036099	Vezt	-0.024231006	0.746823024	0.892797535
ENSMUSG00000037210	Fam193a	-0.025496995	0.746327026	0.892797535
ENSMUSG00000056602	Fry	-0.027168027	0.746949114	0.892797535
ENSMUSG00000068742	Cry2	-0.026842134	0.746956927	0.892797535
ENSMUSG00000075609	Gm7935	-0.026932634	0.746840159	0.892797535
ENSMUSG00000101567	Txn-ps1	0.013491859	0.746932614	0.892797535
ENSMUSG00000029125	Stx18	-0.024278333	0.747084156	0.892863688
ENSMUSG00000027367	Stard7	-0.027133338	0.747262333	0.892990709
ENSMUSG00000021957	Tkt	0.024191259	0.747448908	0.893052592
ENSMUSG00000031950	Gabarapl2	0.02577469	0.747457914	0.893052592
ENSMUSG00000000282	Mnt	0.022125872	0.747956113	0.893182477
ENSMUSG00000006519	Cyba	0.03271509	0.749911037	0.893182477
ENSMUSG00000015165	Hnrnpl	0.027248797	0.748308609	0.893182477
ENSMUSG00000020362	Cnot6	0.016996811	0.74900789	0.893182477
ENSMUSG00000020412	Ascc2	-0.028553401	0.748197038	0.893182477
ENSMUSG00000020929	Eftud2	0.027216488	0.750586804	0.893182477
ENSMUSG00000022184	Fbxo4	0.028235959	0.750214981	0.893182477
ENSMUSG00000022210	Dhrs4	0.028091571	0.75055382	0.893182477
ENSMUSG00000022439	Parvg	-0.027328082	0.749214628	0.893182477

ENSMUSG00000022742	Cpox	-0.027683828	0.747834667	0.893182477
ENSMUSG00000022753	Tmem30c	-0.022028087	0.750156061	0.893182477
ENSMUSG00000024270	Slc39a6	-0.027912737	0.750246017	0.893182477
ENSMUSG00000025371	Chmp6	0.031640724	0.749224106	0.893182477
ENSMUSG00000025702	March8	0.016043045	0.748564828	0.893182477
ENSMUSG00000025921	Rdh10	0.026034439	0.749095219	0.893182477
ENSMUSG00000026836	Acvr1	-0.017128554	0.750553539	0.893182477
ENSMUSG00000028251	Tstd3	0.027929498	0.750429632	0.893182477
ENSMUSG00000028268	Gbp3	-0.028233165	0.747950937	0.893182477
ENSMUSG00000028909	Ptpru	-0.019416605	0.750489345	0.893182477
ENSMUSG00000030102	Itpr1	-0.026839757	0.748929504	0.893182477
ENSMUSG00000031373	Car5b	-0.018572804	0.748995998	0.893182477
ENSMUSG00000032398	Snpc5	-0.027071179	0.748661361	0.893182477
ENSMUSG00000032489	Kif9	-0.013448201	0.750195792	0.893182477
ENSMUSG00000034055	Phka1	-0.018716858	0.749603897	0.893182477
ENSMUSG00000034157	Cipc	-0.024974748	0.747761321	0.893182477
ENSMUSG00000035621	Midn	-0.014448786	0.748410267	0.893182477
ENSMUSG00000035764	Fbxo45	0.028141462	0.748717043	0.893182477
ENSMUSG00000037446	Tulp1	0.02185878	0.749716138	0.893182477
ENSMUSG00000039483	Asb6	-0.027982757	0.747959106	0.893182477
ENSMUSG00000040725	Hnrnpul1	-0.027427481	0.748974543	0.893182477
ENSMUSG00000042272	Sestd1	-0.026554922	0.749309888	0.893182477
ENSMUSG00000046058	Eid2	0.021879047	0.749688771	0.893182477
ENSMUSG00000047388	Atmin	0.028125431	0.748189003	0.893182477
ENSMUSG00000052749	Trim30b	-0.017361523	0.750225732	0.893182477
ENSMUSG00000058900	Rsl1	-0.01604625	0.748688686	0.893182477
ENSMUSG00000066682	Pilrb2	0.027889664	0.749421585	0.893182477
ENSMUSG00000069135	Fgfr1op	0.028131025	0.749850113	0.893182477
ENSMUSG00000073468	Sft2d1	0.027166406	0.750230822	0.893182477
ENSMUSG00000078249	Hmga1b	0.027902713	0.74962214	0.893182477
ENSMUSG00000093548	Gm6407	0.016766862	0.749582604	0.893182477
ENSMUSG00000095672	AC133103.5	0.027254482	0.748418541	0.893182477
ENSMUSG00000113786	Gm49384	0.028293853	0.749107322	0.893182477
ENSMUSG00000053841	Txlna	-0.027423122	0.750663604	0.893188296
ENSMUSG00000108518	Gm5587	0.024168559	0.750848225	0.893322395
ENSMUSG00000037270	4932438A13Rik	-0.021543861	0.751033013	0.893456667
ENSMUSG00000042742	Bmt2	-0.027584202	0.751135167	0.893492617
ENSMUSG00000022426	Josd1	-0.026478592	0.751272082	0.893569906
ENSMUSG00000050891	Tatdn1	0.026480829	0.751714033	0.894009959
ENSMUSG00000027649	Ctnnbl1	0.026759084	0.75190887	0.894070465
ENSMUSG00000063694	Cycs	0.028467159	0.751878021	0.894070465
ENSMUSG00000001542	Ell2	-0.021499184	0.752231773	0.89435067
ENSMUSG00000032086	Bace1	0.024973355	0.752288527	0.89435067

ENSMUSG00000021810	Ecd	0.027260531	0.752703253	0.894758073
ENSMUSG00000000532	Acvr1b	-0.018346586	0.753063293	0.895100398
ENSMUSG00000020623	Map2k6	-0.027156475	0.753415001	0.895158038
ENSMUSG00000024425	Ndfip1	-0.027073944	0.753544195	0.895158038
ENSMUSG00000026107	Nabp1	-0.022927685	0.753448333	0.895158038
ENSMUSG00000027079	Clp1	0.027838605	0.75354244	0.895158038
ENSMUSG00000031090	Nadsyn1	0.025920749	0.753467537	0.895158038
ENSMUSG00000116034	CT009635.3	-0.010664178	0.753404575	0.895158038
ENSMUSG00000024588	Fech	-0.026638261	0.754064502	0.895579866
ENSMUSG00000062822	4833420G17Rik	-0.027262724	0.754115596	0.895579866
ENSMUSG00000099034	2810039B14Rik	-0.021237622	0.754103804	0.895579866
ENSMUSG00000025809	Itgb1	0.027589736	0.754462481	0.895867859
ENSMUSG00000044701	Il27	0.015593404	0.754502349	0.895867859
ENSMUSG00000020785	Camkk1	-0.0188277	0.754725087	0.896046674
ENSMUSG00000052997	Uba2	0.027571932	0.754903343	0.896087005
ENSMUSG00000113626	Gm7240	-0.024607164	0.754856835	0.896087005
ENSMUSG00000078967	Gm3272	-0.00931789	0.755060301	0.896187673
ENSMUSG00000017493	Igfbp4	0.02784432	0.755191887	0.896231699
ENSMUSG00000020325	Fstl3	0.01918251	0.75530213	0.896231699
ENSMUSG00000073421	H2-Ab1	0.027637486	0.755313858	0.896231699
ENSMUSG00000006299	Aamp	-0.02715578	0.755494021	0.896359846
ENSMUSG00000024085	Man2a1	-0.026294665	0.755908183	0.896427611
ENSMUSG00000034042	Gppp1l1	-0.024717353	0.75583577	0.896427611
ENSMUSG00000035246	Pcyt1b	-0.007291309	0.755694809	0.896427611
ENSMUSG00000052310	Slc39a1	0.016056245	0.755911988	0.896427611
ENSMUSG00000070643	Sox13	0.021749184	0.75571996	0.896427611
ENSMUSG00000024096	Ralbp1	0.024269332	0.756217402	0.896447447
ENSMUSG00000024319	Vps52	-0.025024381	0.756046215	0.896447447
ENSMUSG00000028854	Slc9a1	0.022423213	0.756196919	0.896447447
ENSMUSG00000034259	Exosc4	0.027162121	0.756079748	0.896447447
ENSMUSG00000001089	Luzp1	0.027303	0.756687501	0.896611067
ENSMUSG00000014873	Surf2	-0.025832203	0.756716353	0.896611067
ENSMUSG00000029174	Tbc1d1	-0.024312081	0.756537017	0.896611067
ENSMUSG00000036103	Colec12	0.011947405	0.756608779	0.896611067
ENSMUSG00000043618	Eif5a13-ps	0.018328572	0.756469903	0.896611067
ENSMUSG00000024248	Cox7a2l	0.027286168	0.757105107	0.896986124
ENSMUSG00000023175	Bsg	0.02606143	0.757658713	0.896986883
ENSMUSG00000033863	Klf9	-0.026788032	0.757631479	0.896986883
ENSMUSG00000062031	Pgghg	-0.019854367	0.757330902	0.896986883
ENSMUSG00000063362	Alg11	-0.020359471	0.757360383	0.896986883
ENSMUSG00000078870	Gm14410	0.025267735	0.757517413	0.896986883
ENSMUSG00000083084	Gm14667	-0.025257705	0.757473082	0.896986883
ENSMUSG00000091604	Gm17349	0.016521	0.757547919	0.896986883

ENSMUSG00000109324	Prmt1	-0.023490622	0.75768347	0.896986883
ENSMUSG00000019923	Zwint	0.026042496	0.757990311	0.89722471
ENSMUSG00000023911	Flywch2	0.020220441	0.758028831	0.89722471
ENSMUSG00000024792	Zfpl1	-0.02693304	0.758359063	0.89735798
ENSMUSG00000042557	Sin3a	-0.023053924	0.758287433	0.89735798
ENSMUSG00000091736	Yy2	0.023305827	0.758430406	0.89735798
ENSMUSG00000093384	Gm20689	0.024173199	0.758420694	0.89735798
ENSMUSG00000116679	Gm49739	-0.027481641	0.758511134	0.897368015
ENSMUSG00000026639	Lamb3	0.023022276	0.758702306	0.897508699
ENSMUSG00000003546	Klc4	-0.026850539	0.758829755	0.897573982
ENSMUSG00000044252	Osbpl1a	0.027169806	0.758942412	0.897621758
ENSMUSG00000025007	Aldh18a1	0.027072219	0.759290582	0.897862559
ENSMUSG00000026649	Cfap126	0.017370339	0.759245471	0.897862559
ENSMUSG00000004393	Ddx56	0.025621742	0.759500963	0.898025841
ENSMUSG00000003345	Csnk1g2	-0.025048261	0.760306647	0.898807353
ENSMUSG00000052560	Cpne8	0.018216734	0.76023787	0.898807353
ENSMUSG00000037890	Wdr19	-0.014873156	0.760490646	0.898939314
ENSMUSG00000028795	Ccdc28b	-0.025828335	0.760566728	0.898943698
ENSMUSG00000015341	Golga7	-0.024999155	0.760912781	0.899267141
ENSMUSG00000030811	Fbxl19	-0.011391921	0.761084667	0.899384707
ENSMUSG00000116864	Gm3320	0.026825021	0.761215557	0.899453809
ENSMUSG00000028433	Ubap2	-0.025606261	0.761345645	0.89952195
ENSMUSG00000096727	Psmb9	0.022375458	0.761423718	0.899528629
ENSMUSG00000000791	Ii12rb1	-0.014076677	0.761671799	0.89973613
ENSMUSG00000033227	Wnt6	0.012330269	0.761812989	0.899803804
ENSMUSG00000038025	Phf2	-0.025188292	0.761873972	0.899803804
ENSMUSG00000104103	Gm9517	-0.012383456	0.762053764	0.899930577
ENSMUSG00000031400	G6pdx	-0.026383555	0.762257386	0.899999904
ENSMUSG00000037846	Rtkn2	-0.026283167	0.76223776	0.899999904
ENSMUSG00000050270	Tmem220	0.015848486	0.76249686	0.900197082
ENSMUSG00000022507	1810013L24Rik	0.026836641	0.762861977	0.9003714
ENSMUSG00000029028	Lrrc47	-0.026274889	0.762827227	0.9003714
ENSMUSG00000037286	Stag1	-0.025960027	0.76279046	0.9003714
ENSMUSG00000024151	Msh2	0.026395988	0.763222704	0.90054044
ENSMUSG00000028419	Chmp5	0.025630204	0.763161851	0.90054044
ENSMUSG00000090486	BC035947	-0.01541007	0.763184814	0.90054044
ENSMUSG00000017830	Dhx58	-0.024572947	0.763363279	0.900540797
ENSMUSG00000058126	Tpm3-rs7	0.026215238	0.76336801	0.900540797
ENSMUSG00000031533	Mrps31	0.025612902	0.763476813	0.900583618
ENSMUSG00000008822	Acyp1	0.024041358	0.763624774	0.900587099
ENSMUSG00000032437	Stt3b	0.026536026	0.763585951	0.900587099
ENSMUSG00000026280	Atg4b	0.024402618	0.763815763	0.900710881
ENSMUSG00000081254	Gm12112	-0.026139107	0.763947278	0.900710881

ENSMUSG00000101111	Gm28437	0.014996936	0.763884268	0.900710881
ENSMUSG00000090173	Fbxw10	-0.013185039	0.764118459	0.9008272
ENSMUSG00000029036	Atad3a	-0.025362346	0.764206608	0.900845618
ENSMUSG00000022052	Ppp2r2a	-0.024469661	0.764357188	0.90093762
ENSMUSG00000045752	Tssc4	-0.02563472	0.764549634	0.901078945
ENSMUSG00000024273	2700062C07Rik	0.026202183	0.765055324	0.901114857
ENSMUSG00000030588	Yif1b	0.023245532	0.765096681	0.901114857
ENSMUSG00000034509	Mad2l1bp	-0.025507818	0.76485203	0.901114857
ENSMUSG00000035545	Leng8	0.020617101	0.764954451	0.901114857
ENSMUSG00000040028	Elavl1	0.023998375	0.76486583	0.901114857
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ENSMUSG00000064141	Zfp69	0.02348749	0.765160486	0.901114857
ENSMUSG00000083899	Gm12346	-0.01774257	0.765015017	0.901114857
ENSMUSG00000069678	Pcgf1	-0.025590969	0.765430483	0.901347367
ENSMUSG00000028412	Slc44a1	0.012585687	0.765601235	0.901462977
ENSMUSG00000040537	Adam22	-0.016047412	0.765800049	0.901589843
ENSMUSG00000044968	Napepld	0.021087565	0.765854685	0.901589843
ENSMUSG00000052917	Senp7	-0.024122779	0.765926739	0.901589843
ENSMUSG00000052395	Rft1	-0.02606933	0.766043311	0.901641615
ENSMUSG00000038836	Agbl3	0.020661894	0.766265334	0.901817483
ENSMUSG00000033960	Jcad	-0.02173167	0.766414127	0.901907141
ENSMUSG00000003437	Paf1	-0.024468521	0.766766207	0.902150521
ENSMUSG00000036769	Wdr44	-0.024144692	0.766734743	0.902150521
ENSMUSG00000026683	Nuf2	0.025030653	0.766861528	0.902177215
ENSMUSG00000004934	Pias4	0.023685904	0.768657358	0.902580171
ENSMUSG00000006191	Cdkal1	-0.025784909	0.76738894	0.902580171
ENSMUSG00000010290	Al597479	0.025855202	0.767507282	0.902580171
ENSMUSG00000020798	Spns3	-0.025265087	0.768642703	0.902580171
ENSMUSG00000027854	Sike1	-0.024845619	0.76818621	0.902580171
ENSMUSG00000029082	Bst1	0.011575364	0.76734732	0.902580171
ENSMUSG00000029569	Tmem168	-0.023451671	0.768015522	0.902580171
ENSMUSG00000029781	Fkbp9	0.026351411	0.768644876	0.902580171
ENSMUSG00000031357	Syap1	0.025965911	0.768314549	0.902580171
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ENSMUSG00000037235	Mxd4	-0.02577293	0.76762051	0.902580171
ENSMUSG00000037935	Smarce1	0.024101082	0.768223026	0.902580171
ENSMUSG00000043017	Ptgir	0.024887726	0.768555461	0.902580171
ENSMUSG00000050213	Snip1	-0.025750437	0.768419899	0.902580171
ENSMUSG00000051118	Olfr77	0.025485806	0.768138479	0.902580171
ENSMUSG00000053877	Srcap	0.024647089	0.768478626	0.902580171
ENSMUSG00000059669	Taf1b	0.025764818	0.768297158	0.902580171
ENSMUSG00000069631	Strada	0.024887154	0.767523326	0.902580171
ENSMUSG00000079144	A130010J15Rik	-0.025661917	0.767984247	0.902580171

ENSMUSG00000094649	Gm7102	-0.015036133	0.767954187	0.902580171
ENSMUSG00000034518	Hmgxb4	0.022999819	0.768788993	0.902649408
ENSMUSG00000022070	Bora	-0.025487129	0.76908143	0.90274387
ENSMUSG00000027326	Kn1	-0.025465003	0.768943212	0.90274387
ENSMUSG00000069255	Dusp22	0.019702188	0.769087484	0.90274387
ENSMUSG00000024776	Stambpl1	0.025677803	0.769530081	0.90276223
ENSMUSG00000036873	2410004B18Rik	0.024504988	0.769611887	0.90276223
ENSMUSG00000046150	Olfr918	-0.015881469	0.769484623	0.90276223
ENSMUSG00000049971	Glt1d1	0.021386855	0.769593326	0.90276223
ENSMUSG00000060600	Eno3	-0.024619056	0.769447896	0.90276223
ENSMUSG00000062646	Ganc	0.025048487	0.769611188	0.90276223
ENSMUSG00000112640	Gm32687	-0.022255646	0.76948828	0.90276223
ENSMUSG00000031812	Map1lc3b	0.025102646	0.769805625	0.902904218
ENSMUSG00000028494	Plin2	-0.023003604	0.770004658	0.903052389
ENSMUSG00000027900	Dram2	-0.023744312	0.770195935	0.903106276
ENSMUSG00000031585	Gtf2e2	0.026648215	0.770196022	0.903106276
ENSMUSG00000030946	Lhpp	0.025335942	0.770321734	0.903168422
ENSMUSG00000037315	Jade3	0.019869861	0.770435929	0.903217052
ENSMUSG00000041671	Pyroxd1	0.025352553	0.77054255	0.903256797
ENSMUSG00000012483	Rpa3	0.027911062	0.770694642	0.903341264
ENSMUSG00000030263	Lrmp	0.02393361	0.770832788	0.903341264
ENSMUSG00000036109	Mbnl3	-0.025323953	0.770774246	0.903341264
ENSMUSG00000021420	Fars2	0.025142169	0.771216025	0.903619871
ENSMUSG00000064090	Vrk2	0.02327945	0.77118977	0.903619871
ENSMUSG00000027243	Harbi1	-0.024967331	0.771381789	0.903728844
ENSMUSG00000018846	Pank3	0.024527467	0.771458364	0.903733315
ENSMUSG00000026616	Cr2	0.023616351	0.771720733	0.903955415
ENSMUSG00000030347	D6Wsu163e	0.022323117	0.772602656	0.90490312
ENSMUSG00000039963	Ccdc40	0.022047957	0.77275856	0.905000385
ENSMUSG00000044847	Lsm11	0.025181299	0.772909847	0.905092223
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ENSMUSG00000037499	Nenf	-0.025170394	0.77349279	0.905604105
ENSMUSG00000055371	Stam2	-0.024686478	0.773593397	0.90563653
ENSMUSG00000052151	Plpp2	0.024531486	0.773740878	0.905672872
ENSMUSG00000056820	Tsnax	-0.020708406	0.773770269	0.905672872
ENSMUSG00000022003	Slc25a30	0.015358776	0.774071096	0.905939611
ENSMUSG00000027087	Itgav	0.018222395	0.774148653	0.905945018
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ENSMUSG00000032231	Anxa2	-0.020110835	0.774414561	0.906000119
ENSMUSG00000039873	Neur12	-0.022255795	0.774413244	0.906000119
ENSMUSG00000055660	Mettl4	-0.02483951	0.774499756	0.906014454
ENSMUSG00000034563	Ccpg1	-0.025132032	0.774743242	0.906140771
ENSMUSG00000049792	Bag5	-0.025757836	0.774753642	0.906140771

ENSMUSG0000006850	Tmco6	-0.024722842	0.775437908	0.906220676
ENSMUSG00000015575	Atp6v0e	0.023868333	0.77516417	0.906220676
ENSMUSG00000026094	Stk17b	-0.024564355	0.775187687	0.906220676
ENSMUSG00000030101	Sumf1	0.025851224	0.775465062	0.906220676
ENSMUSG00000030795	Fus	-0.024757528	0.775202185	0.906220676
ENSMUSG00000036825	Ssx2ip	0.024364189	0.775263808	0.906220676
ENSMUSG00000047810	Ccdc88b	0.023137491	0.775084212	0.906220676
ENSMUSG00000067929	Gm10226	-0.015441512	0.775212889	0.906220676
ENSMUSG00000093798	Gm8355	0.018670128	0.77547859	0.906220676
ENSMUSG00000049800	Sertad2	-0.023595113	0.775730993	0.906430354
ENSMUSG00000038429	Usp5	-0.024962358	0.775857129	0.906483125
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ENSMUSG00000021413	Prpf4b	-0.024905827	0.776093283	0.906597824
ENSMUSG00000024401	Tnf	0.018421853	0.776379217	0.906846554
ENSMUSG00000043535	Setx	0.024967946	0.776619405	0.906956528
ENSMUSG00000074500	Zfp558	-0.012325804	0.77659343	0.906956528
ENSMUSG00000027479	Mapre1	0.032373203	0.776801831	0.906988512
ENSMUSG00000042487	Leo1	0.024865984	0.776905333	0.906988512
ENSMUSG00000042709	Atpaf2	-0.02488087	0.776938875	0.906988512
ENSMUSG00000060862	Zbtb40	-0.019296095	0.776752159	0.906988512
ENSMUSG00000051469	Zfp24	-0.024235342	0.777160537	0.907162018
ENSMUSG00000020758	Itgb4	-0.013321115	0.777464613	0.907346421
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ENSMUSG00000073664	Nbeal1	0.019052471	0.777617555	0.907436618
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ENSMUSG00000069662	Marcks	0.023790275	0.777863031	0.90755558
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ENSMUSG00000002396	Ocel1	-0.023966116	0.778897064	0.908008905
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ENSMUSG00000034158	Lrrc58	-0.024058348	0.779285825	0.908191896
ENSMUSG00000028677	Rnf220	-0.023080122	0.779400712	0.908240571
ENSMUSG00000021952	Xpo4	-0.023822493	0.780163926	0.908461639
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ENSMUSG00000034959	Rubcnl	0.021596303	0.779986803	0.908461639
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ENSMUSG00000072969	Armcx5	0.022918527	0.780458489	0.908461639
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ENSMUSG00000083551	Gm14516	0.01361579	0.780025784	0.908461639
ENSMUSG00000020572	Nampt	-0.02348846	0.78138803	0.908648398
ENSMUSG00000026201	Stk16	-0.032898457	0.781151251	0.908648398
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ENSMUSG00000032068	Plet1	0.012460237	0.781229869	0.908648398
ENSMUSG00000035877	Zhx3	-0.019161839	0.781357315	0.908648398
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ENSMUSG00000044763	Trmt10c	0.022149093	0.7811951	0.908648398
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ENSMUSG00000056155	Nanos3	-0.013274235	0.781652695	0.908648398
ENSMUSG00000059995	Atxn7l3	-0.023647973	0.781514334	0.908648398
ENSMUSG00000019977	Hbs1l	-0.023327376	0.782119024	0.908682176
ENSMUSG00000039585	Myo9a	-0.020753674	0.781843643	0.908682176
ENSMUSG00000041431	Ccnb1	0.023019404	0.781840774	0.908682176
ENSMUSG00000053414	Hunk	-0.01369862	0.782088673	0.908682176
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ENSMUSG00000023018	Smarcd1	-0.021723443	0.782391201	0.908759063
ENSMUSG00000050708	Ftl1	-0.023011914	0.782406362	0.908759063
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ENSMUSG00000035798	Zdhhc17	-0.018699605	0.783413226	0.909248334
ENSMUSG00000021264	Yy1	0.024253222	0.783786313	0.909284916
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ENSMUSG00000053799	Exoc6	0.023441991	0.783590756	0.909284916

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ENSMUSG00000117148	Vmn1r229	-0.014010502	0.785406619	0.909950631
ENSMUSG00000017405	Nek8	-0.02124417	0.785912185	0.910362328
ENSMUSG00000024238	Zeb1	-0.022391926	0.786034475	0.91041908
ENSMUSG00000027227	Sord	0.022430525	0.786235944	0.910482628
ENSMUSG00000031948	Kars	0.023861224	0.786207834	0.910482628
ENSMUSG00000056268	Dennd1b	-0.019789653	0.786544327	0.910669938
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ENSMUSG00000018599	Mief2	0.018607186	0.786871168	0.91081729
ENSMUSG00000021250	Fos	0.02383024	0.786815048	0.91081729
ENSMUSG00000045767	B230219D22Rik	-0.023618786	0.786964911	0.91081729
ENSMUSG00000098132	Rassf10	0.013578589	0.786944009	0.91081729
ENSMUSG00000045667	Smtnl2	0.014774077	0.787160274	0.910955458
ENSMUSG00000083505	Gm7541	0.015610004	0.787230971	0.910955458
ENSMUSG00000041415	Dicer1	0.023798662	0.787361492	0.91102162
ENSMUSG00000024712	Rfk	0.02089689	0.787524433	0.911040419
ENSMUSG00000045237	1110012L19Rik	-0.022660845	0.787504344	0.911040419
ENSMUSG00000033355	Rtp4	0.011388297	0.787637762	0.911086668
ENSMUSG00000031360	Ctps2	-0.022333054	0.787805357	0.911192111
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ENSMUSG00000019080	Mfsd3	0.023541008	0.78797327	0.911220183
ENSMUSG00000039262	Prrc2b	-0.022409285	0.788115265	0.911299545
ENSMUSG00000018160	Med1	-0.023600928	0.788358198	0.911495594
ENSMUSG00000003848	Nob1	0.023362556	0.788437913	0.911502915
ENSMUSG00000008028	1700008O03Rik	0.0171767	0.788806519	0.911797265
ENSMUSG00000041028	Ghitm	-0.02171338	0.788912745	0.911797265
ENSMUSG00000053801	Grwd1	0.024007849	0.788855066	0.911797265
ENSMUSG00000029416	Slc15a4	-0.021802643	0.788997902	0.911810843
ENSMUSG00000032540	Abhd5	0.022927296	0.78912505	0.911872942

ENSMUSG0000000876	Pxmp4	-0.021503192	0.789508122	0.911895614
ENSMUSG00000010307	Tmem86a	-0.022211058	0.789397055	0.911895614
ENSMUSG00000041961	Znrf3	0.012915946	0.78948277	0.911895614
ENSMUSG00000047141	Zfp654	0.023294633	0.789258255	0.911895614
ENSMUSG00000047821	Trim16	-0.022946257	0.789511749	0.911895614
ENSMUSG00000029726	Mepce	-0.022953869	0.790074342	0.912460567
ENSMUSG00000079580	Tmem217	-0.013486181	0.790260524	0.912590737
ENSMUSG00000110649	Gm40466	-0.01486607	0.790633869	0.912936998
ENSMUSG00000043702	Pde12	-0.02305141	0.790886695	0.913144045
ENSMUSG00000028382	Ptbp3	0.021424777	0.791329169	0.913569997
ENSMUSG00000044147	Arf6	-0.022382448	0.791495599	0.913677215
ENSMUSG00000032182	Yipf2	0.023131597	0.791654489	0.913775709
ENSMUSG00000018848	Rars	0.022492622	0.791910483	0.913816654
ENSMUSG00000048424	Ranbp3l	-0.014063133	0.791779	0.913816654
ENSMUSG00000054693	Adam10	0.023049134	0.791910673	0.913816654
ENSMUSG00000038126	Mphosph9	-0.018361315	0.792181298	0.913935539
ENSMUSG00000039193	Nlrc4	0.017807613	0.792199059	0.913935539
ENSMUSG00000050332	Amer1	-0.023015181	0.792234438	0.913935539
ENSMUSG00000001891	Ugp2	-0.021830748	0.792615782	0.914205648
ENSMUSG00000041488	Stx3	-0.021665426	0.792595086	0.914205648
ENSMUSG00000032324	Tspan3	-0.023299014	0.792834014	0.914372451
ENSMUSG00000025086	Trub1	-0.022454792	0.793245239	0.914422192
ENSMUSG00000027808	Serp1	0.014571628	0.793027444	0.914422192
ENSMUSG00000037922	Bank1	-0.014391914	0.79306984	0.914422192
ENSMUSG00000039197	Adk	-0.023004384	0.793201627	0.914422192
ENSMUSG00000101236	Gm6750	0.017582691	0.793186962	0.914422192
ENSMUSG00000027890	Gstm4	0.023202182	0.793376353	0.914488463
ENSMUSG00000014606	Slc25a11	0.021569412	0.793528957	0.914579491
ENSMUSG00000019877	Serinc1	-0.022638703	0.793769525	0.914771875
ENSMUSG00000042506	Usp22	0.020694055	0.793956856	0.914902877
ENSMUSG00000059897	Zfp930	-0.022678403	0.794207078	0.915055567
ENSMUSG00000079418	Atg4a	-0.022371923	0.794236701	0.915055567
ENSMUSG00000019852	Arfgef3	-0.011593765	0.79438477	0.915056407
ENSMUSG00000022204	Ngdn	0.023136402	0.794331545	0.915056407
ENSMUSG00000107705	Gm45062	0.002282125	0.79470136	0.915336201
ENSMUSG00000022983	Scaf4	-0.023427683	0.794924424	0.915508231
ENSMUSG00000028879	Stx12	-0.02194008	0.795205626	0.91574718
ENSMUSG00000104434	Gm37421	-0.021843104	0.795294992	0.91576519
ENSMUSG00000024241	Sos1	0.019640216	0.795464654	0.915875646
ENSMUSG00000014601	Strip1	-0.022595939	0.795818077	0.91588709
ENSMUSG00000034243	Golgb1	-0.021063693	0.795813005	0.91588709
ENSMUSG00000035765	Dym	0.021723953	0.795990752	0.91588709
ENSMUSG00000042694	Stn1	-0.007643856	0.795933744	0.91588709

ENSMUSG00000056529	Ptafr	-0.016802844	0.795856756	0.91588709
ENSMUSG00000075000	Nrbf2	0.019550471	0.795972032	0.91588709
ENSMUSG00000106948	Gm42785	0.015672227	0.795767606	0.91588709
ENSMUSG00000021720	Rnf180	0.012201033	0.79621465	0.915962296
ENSMUSG00000034449	Dhrs11	-0.021726622	0.796277343	0.915962296
ENSMUSG00000071454	Dtnb	-0.020755369	0.796163557	0.915962296
ENSMUSG00000023074	Mospd1	0.022697541	0.79663554	0.915993045
ENSMUSG00000032641	Gpr19	0.01995136	0.796498252	0.915993045
ENSMUSG00000036356	Csgalnact1	-0.008043681	0.796631858	0.915993045
ENSMUSG00000036594	H2-Aa	-0.012559047	0.796565287	0.915993045
ENSMUSG00000092074	Dynlt1a	-0.021876631	0.796672801	0.915993045
ENSMUSG00000020812	1810032O08Rik	-0.021257177	0.79727999	0.916296461
ENSMUSG00000027737	Slc7a11	-0.014199069	0.797091144	0.916296461
ENSMUSG00000028041	Adam15	-0.01541377	0.797379313	0.916296461
ENSMUSG00000047658	Gal3st3	0.011125481	0.797316459	0.916296461
ENSMUSG00000060510	Zfp266	-0.021888313	0.797341182	0.916296461
ENSMUSG00000089728	Clec2f	0.013991812	0.797347619	0.916296461
ENSMUSG00000053838	Nudcd3	-0.021927489	0.797654509	0.916527906
ENSMUSG00000049327	Kmt5a	-0.020223847	0.79772947	0.916529252
ENSMUSG00000042328	Hps4	-0.021287539	0.797856798	0.91659076
ENSMUSG00000056941	Commd7	0.022394269	0.798176135	0.916872817
ENSMUSG00000027634	Ndr3	-0.020634433	0.798269256	0.916894991
ENSMUSG00000074210	E130208F15Rik	0.010725759	0.798946238	0.917582165
ENSMUSG00000105706	Gm42855	0.016433593	0.799015272	0.917582165
ENSMUSG00000031521	Aga	0.02115674	0.799318369	0.917675706
ENSMUSG00000040594	Ranbp17	-0.011673054	0.799239457	0.917675706
ENSMUSG00000055067	Smyd3	0.021649033	0.799249089	0.917675706
ENSMUSG00000025584	Pde8a	0.018188054	0.800039155	0.918185803
ENSMUSG00000030549	Rhcg	0.012117376	0.799977025	0.918185803
ENSMUSG00000037572	Wdhd1	-0.019063523	0.799981264	0.918185803
ENSMUSG00000053329	D10Jhu81e	-0.021294714	0.800058365	0.918185803
ENSMUSG00000022335	Zfat	-0.013270475	0.80014919	0.9182052
ENSMUSG00000039616	Mocos	0.02062519	0.800392159	0.918399169
ENSMUSG00000032309	Fbxo22	-0.021819941	0.800802342	0.918615247
ENSMUSG00000059237	Ppp1r2-ps4	0.016316178	0.800752659	0.918615247
ENSMUSG00000114133	Gm20075	0.020916106	0.800691256	0.918615247
ENSMUSG00000028483	Snpc3	0.022313279	0.800951538	0.918665455
ENSMUSG00000030619	Eed	0.022040346	0.800994033	0.918665455
ENSMUSG00000032114	Slc37a4	-0.021740938	0.80125814	0.918883516
ENSMUSG00000113949	Scamp4	-0.021116197	0.801787101	0.919405242
ENSMUSG00000021252	Erg28	0.017800921	0.802184655	0.919653992
ENSMUSG00000029007	Agtrap	0.02027095	0.802371307	0.919653992
ENSMUSG00000054036	Olfir279	-0.012802505	0.802345193	0.919653992

ENSMUSG00000057265	Bbof1	0.012457634	0.80237423	0.919653992
ENSMUSG00000075602	Ly6a	-0.019897927	0.802242262	0.919653992
ENSMUSG00000024253	Dync2li1	0.021653627	0.802464953	0.919673112
ENSMUSG00000025422	Agap2	0.016368386	0.802648042	0.919798075
ENSMUSG00000021982	Cdadc1	0.021763506	0.803039409	0.919907083
ENSMUSG00000022033	Pbk	0.020174551	0.802891406	0.919907083
ENSMUSG00000050627	Gpd1l	-0.024324039	0.803017472	0.919907083
ENSMUSG00000078570	1110065P20Rik	0.021814945	0.802874451	0.919907083
ENSMUSG00000002068	Ccne1	-0.02145402	0.804130245	0.920030992
ENSMUSG00000015305	Sash1	-0.014360254	0.804025303	0.920030992
ENSMUSG00000018570	2810408A11Rik	-0.01287159	0.804015392	0.920030992
ENSMUSG00000020706	Ftsj3	0.019573582	0.804088723	0.920030992
ENSMUSG00000020712	Tcam1	-0.017127864	0.804120941	0.920030992
ENSMUSG00000022899	Slc15a2	-0.007028209	0.804107786	0.920030992
ENSMUSG00000024664	Fads3	-0.01105115	0.803503589	0.920030992
ENSMUSG00000030748	Ii4ra	-0.017317827	0.803797597	0.920030992
ENSMUSG00000031479	Vps36	0.021392086	0.804043981	0.920030992
ENSMUSG00000031563	Wwc2	-0.019894431	0.803710938	0.920030992
ENSMUSG00000031887	Tradd	-0.021054846	0.803775958	0.920030992
ENSMUSG00000032570	Atp2c1	-0.021308568	0.80382891	0.920030992
ENSMUSG00000039005	Tlr4	0.019097266	0.803245839	0.920030992
ENSMUSG00000082475	Gm7206	0.004017057	0.804184565	0.920030992
ENSMUSG00000036292	Gramd1c	0.012669615	0.80429011	0.920066997
ENSMUSG00000029001	Fbxo44	-0.011885456	0.804649586	0.920308702
ENSMUSG00000034544	Rsrc1	0.021597661	0.804587161	0.920308702
ENSMUSG00000040187	Arntl2	-0.011515312	0.804807271	0.920404301
ENSMUSG00000001665	Gstt3	0.020591678	0.805167586	0.920726396
ENSMUSG00000014748	Tex261	-0.020334643	0.805403379	0.920726396
ENSMUSG00000018548	Trim37	0.021268516	0.80524772	0.920726396
ENSMUSG00000037876	Jmjd1c	0.020427106	0.805459546	0.920726396
ENSMUSG00000107770	Gm44126	0.018876966	0.805412311	0.920726396
ENSMUSG00000051736	Fam229b	0.016774956	0.805543534	0.920737668
ENSMUSG00000085466	Hmgn2l6	0.012708866	0.805676965	0.920805445
ENSMUSG00000005267	Zfp287	-0.015460465	0.806091701	0.921025206
ENSMUSG00000046947	Adck2	-0.019750351	0.806076805	0.921025206
ENSMUSG00000069301	Hist1h2ag	0.020431066	0.805946562	0.921025206
ENSMUSG00000033306	Lpp	-0.011224871	0.806381633	0.921251142
ENSMUSG00000040102	Klhl42	0.015967085	0.80643778	0.921251142
ENSMUSG00000039648	Kyat1	-0.02081298	0.806640321	0.921397777
ENSMUSG00000048534	Jaml	0.016653003	0.806880309	0.921587156
ENSMUSG00000041491	Cep78	-0.020779144	0.806965765	0.921600015
ENSMUSG00000069892	9930111J21Rik2	-0.016571251	0.807074013	0.9216389
ENSMUSG00000006335	Tfpt	0.02137519	0.80738074	0.921645637

ENSMUSG00000020496	Rnf187	0.021078374	0.807300648	0.921645637
ENSMUSG00000021713	Ppwd1	0.020937259	0.807236365	0.921645637
ENSMUSG00000024392	Bag6	0.019598353	0.807316252	0.921645637
ENSMUSG00000036552	Ermard	0.021616752	0.807450916	0.921645637
ENSMUSG00000070871	Ccnyl1	0.016465202	0.807561398	0.921687046
ENSMUSG00000029507	Pus1	0.020749932	0.807646947	0.921699993
ENSMUSG00000015143	Actn1	0.010098873	0.809117751	0.921772611
ENSMUSG00000019838	Slc16a10	-0.020498926	0.809120584	0.921772611
ENSMUSG00000020264	Slc36a2	0.020979126	0.808009502	0.921772611
ENSMUSG00000021594	Srd5a1	0.020039639	0.808971662	0.921772611
ENSMUSG00000021704	Mtx3	0.009445515	0.808762034	0.921772611
ENSMUSG00000025498	Irf7	0.011709302	0.808565283	0.921772611
ENSMUSG00000028874	Fgr	-0.016748033	0.809055198	0.921772611
ENSMUSG00000030104	Edem1	0.020911935	0.807879061	0.921772611
ENSMUSG00000030315	Vgll4	-0.020970048	0.809003916	0.921772611
ENSMUSG00000031816	Mthfsd	0.020983256	0.807937314	0.921772611
ENSMUSG00000031825	Crispld2	-0.016304329	0.808201233	0.921772611
ENSMUSG00000035944	Ttc38	0.017643167	0.808095875	0.921772611
ENSMUSG00000038485	Socs7	-0.013970307	0.809021014	0.921772611
ENSMUSG00000039747	Orai2	0.021296126	0.808029564	0.921772611
ENSMUSG00000047412	Zbtb44	-0.022541623	0.808540874	0.921772611
ENSMUSG00000047507	Baiap3	-0.016883069	0.808624184	0.921772611
ENSMUSG00000061458	Nol10	0.020971889	0.808841754	0.921772611
ENSMUSG00000074513	Arfip1	0.020686903	0.80862305	0.921772611
ENSMUSG00000081640	Rplp0-ps1	0.011047991	0.808282232	0.921772611
ENSMUSG00000043241	Upf2	0.02119781	0.809458568	0.922073081
ENSMUSG00000069268	Hist1h2bf	-0.011410055	0.809746208	0.922316153
ENSMUSG00000032044	Rpusd4	0.021202224	0.809840904	0.922339435
ENSMUSG00000025332	Kdm5c	-0.020298306	0.810245585	0.922631134
ENSMUSG00000038507	Parp12	0.017751346	0.810237664	0.922631134
ENSMUSG00000039994	Timeless	0.019239005	0.81033286	0.922645931
ENSMUSG00000113795	Gm48119	0.013320003	0.810443927	0.922687811
ENSMUSG00000029426	Scarb2	-0.020682574	0.810635141	0.922820922
ENSMUSG00000020120	Plek	0.017986563	0.810884104	0.923019745
ENSMUSG00000059498	Fcgr3	-0.019781307	0.810977038	0.923040941
ENSMUSG00000021598	Med10	0.021136181	0.811063712	0.923055009
ENSMUSG00000027630	Tbl1xr1	0.021071261	0.811387654	0.923085368
ENSMUSG00000038215	Cep44	-0.020305915	0.811326176	0.923085368
ENSMUSG00000038312	Edem2	0.018273915	0.811312617	0.923085368
ENSMUSG00000073771	Btbd19	0.02052089	0.811287918	0.923085368
ENSMUSG00000032492	Pth1r	-0.009766652	0.812053882	0.923467567
ENSMUSG00000035458	Tnni3	-0.010195685	0.811887151	0.923467567
ENSMUSG00000039765	Cc2d2a	0.014617184	0.811889248	0.923467567

ENSMUSG00000042312	S100a13	0.021182199	0.812095342	0.923467567
ENSMUSG00000111448	Olfr912	-0.012118435	0.81198222	0.923467567
ENSMUSG00000006498	Ptbp1	0.019407506	0.812398387	0.923474203
ENSMUSG00000008167	Fbxw9	0.019176853	0.81255046	0.923474203
ENSMUSG00000022938	Fam3b	-0.0118669	0.812258693	0.923474203
ENSMUSG00000031303	Map3k15	-0.01474636	0.812457707	0.923474203
ENSMUSG00000050377	Ii31ra	0.015243282	0.812363274	0.923474203
ENSMUSG00000111834	Gm40020	-0.012011564	0.812495681	0.923474203
ENSMUSG00000115279	Gm49273	0.002078313	0.812621612	0.923474203
ENSMUSG00000018171	Vmp1	-0.01922223	0.813263183	0.923603086
ENSMUSG00000021981	Cab39l	0.020494401	0.813201292	0.923603086
ENSMUSG00000024905	Tesmin	-0.014871083	0.813040436	0.923603086
ENSMUSG00000027955	Fam198b	-0.004943151	0.812951094	0.923603086
ENSMUSG00000028572	Hook1	0.019435727	0.813003778	0.923603086
ENSMUSG00000056498	Tmem154	0.020898368	0.813329889	0.923603086
ENSMUSG00000059336	Slc14a1	-0.015748106	0.812823376	0.923603086
ENSMUSG00000064341	mt-Nd1	-0.01781087	0.813309658	0.923603086
ENSMUSG00000075273	Ttc30b	-0.015651936	0.81344101	0.923644829
ENSMUSG00000039763	Dnajc28	-0.011867614	0.814070808	0.924275458
ENSMUSG00000023992	Trem2	-0.019524074	0.814223979	0.92436487
ENSMUSG00000049092	Gpr137c	-0.010868025	0.814431837	0.924516345
ENSMUSG00000034543	Morc2a	-0.018090655	0.81451692	0.924528435
ENSMUSG00000034570	Inpp5j	0.014599822	0.814831291	0.924758552
ENSMUSG00000044350	Lacc1	-0.01973318	0.814868557	0.924758552
ENSMUSG00000074405	Zfp865	0.010807642	0.815144014	0.924986643
ENSMUSG00000037325	Bbs7	-0.014698164	0.815220792	0.924989263
ENSMUSG00000025499	Hras	0.019439562	0.815319337	0.925016577
ENSMUSG00000001227	Sema6b	0.016955123	0.815485192	0.925113355
ENSMUSG00000020024	Cep83	-0.019998121	0.815553598	0.925113355
ENSMUSG00000048175	Asb8	-0.019283726	0.815642884	0.925130149
ENSMUSG00000020889	Nr1d1	-0.013123122	0.815970325	0.925163616
ENSMUSG00000041225	Arhgap12	-0.010190996	0.815905437	0.925163616
ENSMUSG00000047037	Nipa1	-0.018823229	0.815932308	0.925163616
ENSMUSG00000048652	Samd13	-0.013341241	0.815968857	0.925163616
ENSMUSG00000031446	Cul4a	-0.019330765	0.816395281	0.925470288
ENSMUSG00000032409	Atr	-0.014744422	0.816464328	0.925470288
ENSMUSG00000051007	Gatd1	0.018768738	0.816424468	0.925470288
ENSMUSG00000023079	Gtf2ird1	-0.020000238	0.817220678	0.926167944
ENSMUSG00000030556	Lrrc28	0.019224278	0.81722894	0.926167944
ENSMUSG00000022946	Dop1b	0.017524379	0.817806822	0.926616161
ENSMUSG00000025040	Fundc1	0.019935008	0.817864323	0.926616161
ENSMUSG00000030653	Gm45837	-0.019331794	0.817922839	0.926616161
ENSMUSG00000058881	Zfp516	-0.017129556	0.817788337	0.926616161

ENSMUSG0000002504	Slc9a3r2	-0.019248506	0.81871247	0.926757955
ENSMUSG00000014074	Rnf168	0.020633715	0.818227535	0.926757955
ENSMUSG00000020604	Arsg	-0.010306882	0.818449078	0.926757955
ENSMUSG00000028465	Tln1	-0.019349475	0.818443868	0.926757955
ENSMUSG00000031996	Aplp2	0.020200918	0.818762797	0.926757955
ENSMUSG00000033902	Mapkbp1	-0.010098686	0.81841864	0.926757955
ENSMUSG00000049090	Zadh2	-0.019886541	0.818622016	0.926757955
ENSMUSG00000056692	D17Wsu92e	0.020160696	0.818794123	0.926757955
ENSMUSG00000059895	Ptp4a3	-0.017450076	0.818511029	0.926757955
ENSMUSG00000084099	Gm12929	0.014647574	0.818749902	0.926757955
ENSMUSG00000021621	Zcchc9	-0.018645366	0.819291945	0.927152447
ENSMUSG00000115602	Gm7908	0.020159571	0.819268558	0.927152447
ENSMUSG00000025372	Baiap2	0.015182604	0.819843899	0.927692545
ENSMUSG00000050565	Tor1aip2	-0.019520103	0.820076427	0.927871133
ENSMUSG00000001418	Gimp	-0.016284817	0.82090975	0.928222121
ENSMUSG00000022582	Ly6g	-0.011877268	0.820580317	0.928222121
ENSMUSG00000022723	Crybg3	-0.015708676	0.820892353	0.928222121
ENSMUSG00000026843	Fubp3	-0.017603242	0.820873961	0.928222121
ENSMUSG00000036858	Ptcra	-0.012528133	0.820760832	0.928222121
ENSMUSG00000041438	Utp4	0.019880059	0.820907187	0.928222121
ENSMUSG00000047514	Tspyl1	-0.019376237	0.820811548	0.928222121
ENSMUSG00000107968	Gm44419	0.019925067	0.821027797	0.928271096
ENSMUSG00000033632	AW554918	-0.01872247	0.82114083	0.928314394
ENSMUSG00000020630	Rnaseh1	0.018322262	0.821689564	0.928692584
ENSMUSG00000029570	Lfng	0.009135812	0.821849198	0.928692584
ENSMUSG00000049401	Ogfr	0.021776844	0.821825778	0.928692584
ENSMUSG00000056054	S100a8	0.019674957	0.821644529	0.928692584
ENSMUSG00000061589	Dot1l	0.016496492	0.8218087	0.928692584
ENSMUSG00000029449	Rhof	-0.00982445	0.822379185	0.929206937
ENSMUSG00000030685	Kctd13	0.019656324	0.822471586	0.929226812
ENSMUSG00000031703	Itfg1	-0.01846186	0.822654101	0.929348485
ENSMUSG00000038866	Zcchc2	0.017764745	0.822794644	0.929422724
ENSMUSG00000025815	Dhtkd1	0.011622668	0.822954764	0.929465242
ENSMUSG00000090733	Rps27	0.018841638	0.822981944	0.929465242
ENSMUSG00000008226	Scrn3	0.018210597	0.823141676	0.929476614
ENSMUSG00000026353	Ubxn4	0.018009843	0.823078782	0.929476614
ENSMUSG00000091076	Vmn2r115	-0.01028076	0.82363035	0.929943876
ENSMUSG00000028134	Ptbp2	-0.015297011	0.823737724	0.929980574
ENSMUSG00000044709	Gemin7	-0.017167798	0.823934272	0.930117931
ENSMUSG00000057440	Mpp7	0.018850756	0.824132834	0.930257536
ENSMUSG00000027286	Lrrc57	0.01952087	0.82429153	0.930352121
ENSMUSG00000032571	Pik3r4	0.014990822	0.824387877	0.930376324
ENSMUSG00000002885	Adgre5	-0.016660117	0.825056415	0.930458643

ENSMUSG00000020849	Ywhae	-0.019077772	0.825209919	0.930458643
ENSMUSG00000022151	Ttc33	0.019243168	0.824721879	0.930458643
ENSMUSG00000026786	Apbb1ip	-0.018709899	0.824689273	0.930458643
ENSMUSG00000029330	Cds1	-0.017395607	0.825039472	0.930458643
ENSMUSG00000070713	Gm10282	0.019510744	0.825147027	0.930458643
ENSMUSG00000072214	Sept5	0.011590402	0.825207279	0.930458643
ENSMUSG00000074406	Zfp628	0.01328694	0.824852725	0.930458643
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ENSMUSG00000107951	Gm6210	-0.01517983	0.825008088	0.930458643
ENSMUSG00000020390	Ube2b	-0.018994996	0.82563628	0.930601473
ENSMUSG00000022540	Rogdi	-0.018651875	0.825560779	0.930601473
ENSMUSG00000027502	Rtf2	0.017146863	0.82562452	0.930601473
ENSMUSG00000037300	Ttc13	-0.018899638	0.8256258	0.930601473
ENSMUSG00000113175	Gm9973	0.012639827	0.825763346	0.930660241
ENSMUSG00000018559	Ctdnep1	0.019299473	0.82728277	0.93068375
ENSMUSG00000018572	Phf23	-0.018191766	0.826590126	0.93068375
ENSMUSG00000022130	Tgds	0.017415875	0.827224808	0.93068375
ENSMUSG00000022570	Tsta3	0.018582959	0.826927757	0.93068375
ENSMUSG00000024234	Mtpap	-0.017743181	0.827061666	0.93068375
ENSMUSG00000024404	Riok3	0.018624099	0.82722829	0.93068375
ENSMUSG00000026709	Dars2	-0.018931807	0.826995334	0.93068375
ENSMUSG00000027425	Kat14	-0.01709872	0.827261223	0.93068375
ENSMUSG00000032322	Pstpip1	-0.019024073	0.827108504	0.93068375
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ENSMUSG00000050379	Sept6	-0.018940436	0.826853571	0.93068375
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ENSMUSG00000064302	Clasp1	0.018433115	0.827666864	0.930778644
ENSMUSG00000021497	Txndc15	-0.016602858	0.827955469	0.9308888
ENSMUSG00000025209	Twink	0.01920628	0.827989651	0.9308888
ENSMUSG00000112122	Gm47628	-0.011468806	0.82784089	0.9308888
ENSMUSG00000065968	Ifitm7	-0.016334958	0.828176297	0.931014371
ENSMUSG00000017390	Aldoc	0.008755807	0.828507516	0.931161742

ENSMUSG00000022205	Sub1	0.018888434	0.828385945	0.931161742
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ENSMUSG00000028007	Snx7	0.023921853	0.829127314	0.931746165
ENSMUSG00000028332	Hemgn	-0.01104892	0.829260125	0.931752817
ENSMUSG00000045996	Polr2k	0.017800093	0.829283261	0.931752817
ENSMUSG00000046404	Yod1	0.018199892	0.829418935	0.931820966
ENSMUSG00000020257	Wdr82	-0.015811926	0.82971975	0.931821792
ENSMUSG00000026664	Phyh	0.017913084	0.829719576	0.931821792
ENSMUSG00000055994	Nod2	0.011528943	0.829570923	0.931821792
ENSMUSG00000078862	Gm14326	0.016140389	0.829602119	0.931821792
ENSMUSG00000024044	Epb41l3	-0.009020309	0.830096421	0.932082233
ENSMUSG00000073705	Cenps	0.01895095	0.830101736	0.932082233
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ENSMUSG00000039715	Wdr34	0.019956565	0.830608399	0.93232951
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ENSMUSG00000074862	BC025920	-0.01019771	0.830622201	0.93232951
ENSMUSG00000029208	Guf1	0.017911043	0.830998666	0.932416178
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ENSMUSG00000030814	Bcl7c	0.026561761	0.831257251	0.93262093
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ENSMUSG00000018076	Med13l	0.017127108	0.831865987	0.933051058
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ENSMUSG00000026932	Nacc2	-0.011245406	0.832118722	0.933188738
ENSMUSG00000031647	Mfap3l	-0.012399394	0.832138996	0.933188738
ENSMUSG00000003423	Pih1d1	0.017246507	0.832454048	0.93320503
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ENSMUSG00000022657	Cd96	-0.009929067	0.832379874	0.93320503
ENSMUSG00000027487	Cdk5rap1	0.015576862	0.832334484	0.93320503
ENSMUSG00000023066	Rttm	0.015496037	0.832545245	0.933223038
ENSMUSG00000039678	Tbc1d13	-0.015007148	0.832672788	0.933281782
ENSMUSG00000078879	Zfp973	-0.017576232	0.83285205	0.933324438
ENSMUSG00000092329	Gm20388	-0.018168334	0.832861128	0.933324438
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ENSMUSG00000026816	Gtf3c5	-0.018404719	0.833442277	0.933722966
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ENSMUSG00000005803	Sqor	0.018451775	0.834336273	0.933843886
ENSMUSG00000024312	Wdr46	-0.017457366	0.834328294	0.933843886

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ENSMUSG00000029227	Fip1l1	0.015710287	0.83883959	0.936812314
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ENSMUSG00000032555	Topbp1	0.017849119	0.839044397	0.936872568
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ENSMUSG00000027550	Lrrcc1	0.018197682	0.839162465	0.936893022
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ENSMUSG00000038900	Rpl12	-0.015529002	0.839720465	0.937206208
ENSMUSG00000028716	Pdzk1ip1	-0.01154857	0.840027879	0.937465075
ENSMUSG00000023150	Ivns1abp	0.016615057	0.84013592	0.937501416
ENSMUSG00000024642	Tle4	-0.01725155	0.840283843	0.937536391
ENSMUSG00000038542	Pcid2	0.016866589	0.840318223	0.937536391
ENSMUSG00000001249	Hpn	-0.011804869	0.840770543	0.937615821
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ENSMUSG00000020698	Cct6b	-0.01098992	0.841037731	0.937615821

ENSMUSG00000022102	Dok2	-0.013683628	0.840644214	0.937615821
ENSMUSG00000022422	Dscc1	0.016923443	0.841194974	0.937615821
ENSMUSG00000035642	Aamdc	-0.017459144	0.840658306	0.937615821
ENSMUSG00000039515	Ptpa	-0.01738156	0.841219766	0.937615821
ENSMUSG00000046805	Mpeg1	-0.0171113952	0.841010451	0.937615821
ENSMUSG00000056014	A430033K04Rik	-0.015022647	0.840999202	0.937615821
ENSMUSG00000084817	Gm5526	0.014198411	0.840989776	0.937615821
ENSMUSG00000105051	Gm4248	-0.009148267	0.841181305	0.937615821
ENSMUSG00000022010	Tsc22d1	0.014740224	0.841349254	0.937676006
ENSMUSG00000032038	St3gal4	-0.017311466	0.841776391	0.937978657
ENSMUSG00000039760	Il22ra2	-0.017299663	0.841847361	0.937978657
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ENSMUSG00000043183	Simc1	0.012355554	0.841949607	0.938008437
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ENSMUSG00000030600	Lrfn1	0.00875017	0.842522209	0.938287678
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ENSMUSG00000003380	Rabac1	0.011667961	0.842938972	0.938378481
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ENSMUSG00000060594	Layn	-0.016792059	0.842969501	0.938378481
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ENSMUSG00000052949	Rnf157	-0.013309245	0.843459778	0.938680576
ENSMUSG00000021510	Zfp729a	0.013075974	0.843580318	0.938721055
ENSMUSG00000038080	Kdm1b	-0.016270085	0.843722877	0.938721055
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ENSMUSG00000112435	Gm47965	0.011539122	0.843843686	0.938771377
ENSMUSG00000031803	B3gnt3	-0.013335689	0.843965346	0.938786532
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ENSMUSG00000016528	Mapkapk2	-0.016227135	0.8453005	0.939391324
ENSMUSG00000018362	Kpna2	-0.01261092	0.845304774	0.939391324
ENSMUSG00000020455	Trim11	-0.016618943	0.844950475	0.939391324
ENSMUSG00000022820	Ndufb4	0.017274837	0.844842742	0.939391324
ENSMUSG00000026727	Rsu1	0.015914039	0.845270715	0.939391324
ENSMUSG00000027162	Lin7c	0.016554051	0.844980396	0.939391324
ENSMUSG00000041037	Irgq	0.012580608	0.845194659	0.939391324
ENSMUSG00000041231	Ublcp1	-0.01239096	0.845364753	0.939391324
ENSMUSG00000056214	Pard6g	-0.012789324	0.845384125	0.939391324
ENSMUSG00000028825	Rhd	-0.009016838	0.845630258	0.939412704

ENSMUSG00000039105	Atp6v1g1	0.014538355	0.845594715	0.939412704
ENSMUSG00000044600	Smim7	0.016241663	0.845552253	0.939412704
ENSMUSG00000040950	Mgl2	-0.017087767	0.845764414	0.939477713
ENSMUSG00000046020	Pofut1	-0.01663639	0.846117604	0.939785993
ENSMUSG00000026439	Rbbp5	-0.01598926	0.846576459	0.93979142
ENSMUSG00000027433	Xrn2	0.016969029	0.846429719	0.93979142
ENSMUSG00000030088	Aldh1l1	0.011069251	0.846372862	0.93979142
ENSMUSG00000038393	Txnip	-0.014187984	0.846428488	0.93979142
ENSMUSG00000049871	Nlrc3	-0.016130981	0.846566097	0.93979142
ENSMUSG00000096795	Zfp433	0.013635576	0.846547233	0.93979142
ENSMUSG00000015016	Acsf3	-0.010991148	0.847134584	0.940055208
ENSMUSG00000025243	Slc6a20b	0.008721563	0.846944327	0.940055208
ENSMUSG00000042682	Selenok	-0.015689415	0.847008586	0.940055208
ENSMUSG00000052921	Arhgef15	0.010104977	0.847192496	0.940055208
ENSMUSG00000062310	Glrp1	0.01450997	0.847192089	0.940055208
ENSMUSG00000038122	Tbc1d32	-0.012892151	0.847321666	0.940114553
ENSMUSG00000025758	Plk4	-0.01478225	0.847757595	0.940262264
ENSMUSG00000026980	Ly75	0.014515523	0.847749987	0.940262264
ENSMUSG00000043801	Oaz1-ps	-0.016320769	0.847637123	0.940262264
ENSMUSG00000096054	Syne1	-0.014359165	0.847571275	0.940262264
ENSMUSG00000031482	Slc25a15	0.01698842	0.848152656	0.940532465
ENSMUSG00000116875	Morf4l1-ps1	-0.01642617	0.84814201	0.940532465
ENSMUSG00000001827	Folr1	0.010186055	0.848505582	0.940755854
ENSMUSG00000011148	Adssl1	-0.016565822	0.848440182	0.940755854
ENSMUSG00000074793	Hspa12b	-0.011611371	0.848649871	0.94083185
ENSMUSG00000034681	Rnps1	0.015421671	0.848881158	0.941004271
ENSMUSG00000097854	Gm26602	0.016404432	0.84918547	0.941257605
ENSMUSG00000049504	Proser1	0.015315776	0.849308885	0.9413104
ENSMUSG00000023088	Abcc1	0.01145445	0.849497014	0.941434904
ENSMUSG00000027111	Itga6	0.016761887	0.84975159	0.941589227
ENSMUSG00000028292	Rars2	0.016765131	0.849904995	0.941589227
ENSMUSG00000035125	Gcfc2	-0.015636076	0.84993949	0.941589227
ENSMUSG00000111356	Rpl32l	-0.009695427	0.849803621	0.941589227
ENSMUSG00000029730	Mcm7	0.016032047	0.850394634	0.941827746
ENSMUSG00000032860	P2ry2	0.016310464	0.850616571	0.941827746
ENSMUSG00000037826	Ppm1k	-0.007207197	0.850761397	0.941827746
ENSMUSG00000046876	Atxn1	-0.013517492	0.850416075	0.941827746
ENSMUSG00000052934	Fbxo31	-0.016363159	0.850333547	0.941827746
ENSMUSG00000053644	Aldh7a1	0.016279956	0.850673303	0.941827746
ENSMUSG00000095234	Gm21586	0.010641421	0.850708513	0.941827746
ENSMUSG00000097829	Myadm	-0.004995194	0.850725425	0.941827746
ENSMUSG00000024338	Psmb8	0.01684201	0.850988289	0.941957065
ENSMUSG00000043154	Ppp2r3a	-0.012112543	0.851029884	0.941957065

ENSMUSG00000026480	Ncf2	-0.014223761	0.851245834	0.942028199
ENSMUSG00000115987	Vps28	0.016172143	0.851188206	0.942028199
ENSMUSG00000040715	Rsc1a1	-0.012852732	0.851485631	0.942209623
ENSMUSG00000016181	Diexf	-0.010709815	0.852407314	0.94247793
ENSMUSG00000020952	Scfd1	-0.014744124	0.852176276	0.94247793
ENSMUSG00000023905	Tnfrsf12a	0.012797038	0.852744368	0.94247793
ENSMUSG00000039879	Heca	0.016132114	0.852694017	0.94247793
ENSMUSG00000040339	Fam102b	0.01637194	0.851823575	0.94247793
ENSMUSG00000049414	Gm5417	-0.011954279	0.852683717	0.94247793
ENSMUSG00000054733	Msra	0.013723308	0.852790391	0.94247793
ENSMUSG00000058230	Arhgap35	0.011922926	0.852711932	0.94247793
ENSMUSG00000061079	Zfp143	-0.015528327	0.852196376	0.94247793
ENSMUSG00000061878	Sphk1	-0.004591322	0.852507954	0.94247793
ENSMUSG00000078652	Psme3	-0.013995131	0.852389804	0.94247793
ENSMUSG00000082292	Gm12250	0.015021654	0.852470222	0.94247793
ENSMUSG00000086436	Gm13690	-0.00610417	0.852226502	0.94247793
ENSMUSG00000106918	Mrpl33	-0.017192945	0.852709663	0.94247793
ENSMUSG00000060981	Hist1h4h	0.00878455	0.853095379	0.942731113
ENSMUSG00000048100	Taf13	-0.015631249	0.853182754	0.942743794
ENSMUSG00000035936	Aldh5a1	0.012659092	0.85345428	0.942876066
ENSMUSG00000040520	Manea	0.009912952	0.853439789	0.942876066
ENSMUSG00000079808	AC168977.1	-0.011091774	0.853841138	0.943219563
ENSMUSG00000039096	Rsad1	0.013405654	0.854129876	0.943454619
ENSMUSG00000032515	Csrnp1	-0.009051927	0.854299365	0.943557924
ENSMUSG00000043061	Tmem18	0.01620899	0.85437541	0.943558012
ENSMUSG00000029472	Anapc5	0.015477702	0.854932227	0.944089011
ENSMUSG00000073563	Csnk1g3	0.015829027	0.855080523	0.94416883
ENSMUSG00000020253	Ppm1m	0.015290449	0.855421243	0.944240981
ENSMUSG00000038301	Snx10	-0.015861052	0.855449944	0.944240981
ENSMUSG00000043157	Arl11	0.016187983	0.855224905	0.944240981
ENSMUSG00000079450	Cldn34c1	0.0141336	0.855413675	0.944240981
ENSMUSG00000060377	Rpl36a-ps1	0.008845454	0.855655998	0.944384499
ENSMUSG00000039849	Pcif1	0.016075519	0.85611993	0.944801758
ENSMUSG00000056228	Cars2	0.016076888	0.856186184	0.944801758
ENSMUSG00000020271	Fbxw11	-0.015065838	0.856355619	0.944904783
ENSMUSG00000020515	Cnot8	-0.012789318	0.856808587	0.945175534
ENSMUSG00000022848	Dirc2	-0.01566838	0.856829282	0.945175534
ENSMUSG00000107023	Gm42715	0.014730131	0.856764151	0.945175534
ENSMUSG00000028901	Gmeb1	0.015499077	0.85690734	0.945177699
ENSMUSG00000028967	Errfi1	-0.006923847	0.857186216	0.945401349
ENSMUSG00000026466	Tor1aip1	0.026322862	0.857338898	0.94548579
ENSMUSG00000023259	Slc26a6	-0.014635677	0.857545568	0.945545806
ENSMUSG00000110165	Gm4032	0.012654863	0.857539484	0.945545806

ENSMUSG00000015522	Arnt	-0.011073309	0.857682462	0.9455673
ENSMUSG00000037058	Paip2	-0.015564376	0.857717315	0.9455673
ENSMUSG00000063902	Gm7964	0.008315726	0.857868648	0.945574303
ENSMUSG00000084067	Gm14269	0.017373716	0.857875921	0.945574303
ENSMUSG00000096145	Vkorc1	-0.013940555	0.857952903	0.945575245
ENSMUSG00000101523	Gm10031	-0.00478585	0.85803259	0.945579167
ENSMUSG00000074582	Arfgef2	0.012182736	0.85838115	0.94587937
ENSMUSG00000039990	Edrf1	-0.014758995	0.858518842	0.945947178
ENSMUSG00000002617	Zfp40	0.012972665	0.858684819	0.945965667
ENSMUSG00000058503	Fam133b	-0.013762706	0.858687939	0.945965667
ENSMUSG00000035413	Tmem98	-0.012018958	0.858837515	0.946046538
ENSMUSG00000032320	Rcn2	-0.012520403	0.859235244	0.946316808
ENSMUSG00000042502	Cd2bp2	-0.015404348	0.85923395	0.946316808
ENSMUSG00000028980	H6pd	0.014397086	0.859441568	0.946341451
ENSMUSG00000035649	Zcchc7	0.015445305	0.859486185	0.946341451
ENSMUSG00000039660	Spout1	-0.014550514	0.859458906	0.946341451
ENSMUSG00000032392	Parp16	-0.013435575	0.859823282	0.9466287
ENSMUSG00000073079	Srp54a	-0.013490847	0.860156765	0.946911918
ENSMUSG00000042569	Dhrs7b	0.013882408	0.860385085	0.946962596
ENSMUSG00000053684	BC048403	0.01276153	0.860431516	0.946962596
ENSMUSG00000061461	Smim20	0.015081041	0.860343431	0.946962596
ENSMUSG00000003762	Coq8b	0.015568566	0.860923049	0.946990857
ENSMUSG00000004631	Sgce	-0.007484287	0.860748296	0.946990857
ENSMUSG00000016487	Ppfibp1	0.014215071	0.860925075	0.946990857
ENSMUSG00000021003	Galc	-0.014337897	0.860964894	0.946990857
ENSMUSG00000026126	Ptpn18	0.015413383	0.860739664	0.946990857
ENSMUSG00000035898	Uba6	0.013555052	0.860755772	0.946990857
ENSMUSG00000045294	Insig1	-0.010891887	0.860990883	0.946990857
ENSMUSG00000025059	Gk	-0.015026643	0.861273271	0.947107268
ENSMUSG00000033209	Ttc28	-0.008914838	0.861283072	0.947107268
ENSMUSG00000068130	Zfp442	0.011384826	0.861325473	0.947107268
ENSMUSG00000009640	Dmap1	0.013890467	0.86143968	0.947149001
ENSMUSG00000056673	Kdm5d	-0.010676069	0.861630535	0.947274994
ENSMUSG00000019774	Mtrf1l	0.014968764	0.861873141	0.947451148
ENSMUSG00000035601	Trmt10b	-0.015040864	0.861943319	0.947451148
ENSMUSG00000014956	Ppp1cb	0.015593695	0.862087816	0.947526127
ENSMUSG00000020677	Ddx52	-0.015769455	0.862455912	0.947823634
ENSMUSG00000044551	9930012K11Rik	0.01402184	0.862587421	0.947823634
ENSMUSG00000105944	Gm5075	0.006757292	0.86251347	0.947823634
ENSMUSG00000059439	Bcas3	-0.012440118	0.862710447	0.947874963
ENSMUSG00000036819	Jmjd4	0.0146198	0.863063301	0.948097008
ENSMUSG00000056131	Pgm3	0.013936893	0.863065202	0.948097008
ENSMUSG00000020393	Kremen1	-0.011981539	0.863390205	0.948346728

ENSMUSG00000099702	Gm29013	-0.008627225	0.863445225	0.948346728
ENSMUSG00000040661	Rad54l2	-0.012528551	0.863531129	0.94835722
ENSMUSG00000006800	Sulf2	-0.005982453	0.863883992	0.948409322
ENSMUSG00000007659	Bcl2l1	-0.013330221	0.863807217	0.948409322
ENSMUSG00000041881	Ndufa7	-0.014648183	0.863659849	0.948409322
ENSMUSG00000042105	Inpp5f	-0.014212223	0.863867197	0.948409322
ENSMUSG00000096010	Hist4h4	0.007881821	0.864019875	0.948474668
ENSMUSG00000032667	Pon2	-0.014380374	0.864177465	0.948563829
ENSMUSG00000073893	Olfr472	0.008506048	0.864821113	0.949102584
ENSMUSG00000109771	Gm35315	-0.01024722	0.86475903	0.949102584
ENSMUSG00000025583	Rptor	-0.012366074	0.864966604	0.949178389
ENSMUSG00000034993	Vat1	0.01298508	0.865289978	0.949365499
ENSMUSG00000050240	Hic2	0.009880589	0.865247701	0.949365499
ENSMUSG00000002104	Rapsn	-0.014690155	0.865829573	0.949547443
ENSMUSG00000020898	Ctc1	-0.014444988	0.865744961	0.949547443
ENSMUSG00000026623	Lpgat1	-0.014294009	0.865568448	0.949547443
ENSMUSG00000058773	Hist1h1b	0.015037062	0.865845995	0.949547443
ENSMUSG00000060279	Ap2a1	-0.011611831	0.865826512	0.949547443
ENSMUSG00000073609	D2hgdh	0.01065131	0.865914491	0.949547443
ENSMUSG00000050786	Ccdc126	0.014503818	0.866178327	0.949752913
ENSMUSG00000035049	Rrp12	0.01501733	0.866551603	0.950078336
ENSMUSG00000017188	Coa3	0.014752559	0.866787491	0.950116837
ENSMUSG00000020021	Fgd6	-0.004478753	0.866903688	0.950116837
ENSMUSG00000024695	Zfp91	0.01445067	0.867157082	0.950116837
ENSMUSG00000030421	Uri1	0.013005038	0.867134715	0.950116837
ENSMUSG00000031105	Slc25a14	0.014412433	0.866799595	0.950116837
ENSMUSG00000039410	Prdm16	0.010856669	0.867159882	0.950116837
ENSMUSG00000041408	Wapl	0.014257745	0.867193103	0.950116837
ENSMUSG00000067377	Tspan6	0.006921643	0.867198662	0.950116837
ENSMUSG00000030802	Bckdk	0.01230433	0.867370926	0.950221756
ENSMUSG00000021375	Kif13a	0.013351819	0.867531332	0.950313667
ENSMUSG00000030282	Cmas	-0.014117447	0.86768247	0.95039541
ENSMUSG00000066043	Phactr4	0.012211332	0.867907576	0.950558152
ENSMUSG00000073405	H2-T-ps	0.008922908	0.868003443	0.95057933
ENSMUSG00000034998	Foxn2	0.01427056	0.868850766	0.95135634
ENSMUSG00000037103	Dcaf15	0.014615705	0.868943156	0.95135634
ENSMUSG00000043004	Gng2	-0.0138764	0.868882573	0.95135634
ENSMUSG00000097129	4930507D05Rik	0.008270263	0.869019325	0.95135634
ENSMUSG00000001998	Ap4e1	-0.014123007	0.86933713	0.951590867
ENSMUSG00000025340	Rabgef1	-0.013911062	0.869386777	0.951590867
ENSMUSG00000064289	Tank	0.01374381	0.869502046	0.951633176
ENSMUSG00000001482	Def8	-0.013932626	0.869641055	0.951701458
ENSMUSG00000020409	Slu7	-0.013776373	0.869994439	0.951788571

ENSMUSG00000022440	C1qtnf6	-0.009860505	0.870333676	0.951788571
ENSMUSG00000028629	Exo5	-0.012601617	0.870079443	0.951788571
ENSMUSG00000040270	Bach2	-0.006202506	0.870284776	0.951788571
ENSMUSG00000043991	Pura	-0.014045611	0.870203446	0.951788571
ENSMUSG00000044730	9930104L06Rik	0.014098685	0.870146434	0.951788571
ENSMUSG00000049299	Trappc1	0.013370301	0.870069013	0.951788571
ENSMUSG00000071302	2610044O15Rik8	0.01324118	0.870069686	0.951788571
ENSMUSG00000022945	Chaf1b	0.014299026	0.870894089	0.952101573
ENSMUSG00000024986	Hhex	0.013994358	0.871207684	0.952101573
ENSMUSG00000026707	Nsun6	-0.013209548	0.871436167	0.952101573
ENSMUSG00000028152	Tspan5	-0.01343409	0.871411256	0.952101573
ENSMUSG00000031527	Eri1	0.014323402	0.871015405	0.952101573
ENSMUSG00000034354	Mtmr3	-0.014053503	0.871259384	0.952101573
ENSMUSG00000035539	Ccdc180	-0.011800258	0.871356787	0.952101573
ENSMUSG00000039210	Gpatch2	0.014008692	0.870950835	0.952101573
ENSMUSG00000045896	Paip2b	-0.011535614	0.871497954	0.952101573
ENSMUSG00000054469	Lclat1	-0.009571675	0.871053917	0.952101573
ENSMUSG00000072980	Oip5	0.012919799	0.871539722	0.952101573
ENSMUSG00000090266	Mettl23	-0.013538477	0.871388434	0.952101573
ENSMUSG00000021044	Adck1	-0.014959991	0.871719893	0.95221465
ENSMUSG00000022194	Pabpn1	-0.015124885	0.872156356	0.952536614
ENSMUSG00000041716	Gm20604	0.014117781	0.872244703	0.952536614
ENSMUSG00000079445	B3gnt7	-0.009822304	0.872237471	0.952536614
ENSMUSG00000022360	Atad2	0.013251985	0.872380616	0.952601286
ENSMUSG00000031353	Rbbp7	0.02369498	0.872610261	0.952684544
ENSMUSG00000036941	Elac1	0.01291522	0.872579436	0.952684544
ENSMUSG00000040907	Atp1a3	-0.012955302	0.872713364	0.952705333
ENSMUSG00000051705	Senp8	0.012845086	0.872782706	0.952705333
ENSMUSG00000019878	Hsf2	-0.007115566	0.873413657	0.95322652
ENSMUSG00000097487	Ptges3l	-0.010375007	0.873384114	0.95322652
ENSMUSG00000032637	Atxn2l	-0.011946111	0.87357792	0.95323828
ENSMUSG00000032679	Cd59a	-0.010671961	0.873503131	0.95323828
ENSMUSG00000056201	Cfl1	-0.012279264	0.873671019	0.953256125
ENSMUSG00000025220	Mgea5	0.013838217	0.873823856	0.95333914
ENSMUSG00000047866	Lonp2	-0.012536451	0.873920552	0.953360897
ENSMUSG00000039901	Armh3	-0.013728821	0.874084362	0.953455859
ENSMUSG00000054520	Sh3bp2	0.007880643	0.874378748	0.953693224
ENSMUSG00000027222	Pex16	0.013958748	0.874691718	0.953950815
ENSMUSG00000090607	Gm17052	0.009929206	0.874848123	0.954037624
ENSMUSG00000034973	Dop1a	-0.010982235	0.875371932	0.954281864
ENSMUSG00000037211	Spry1	-0.009769045	0.875255815	0.954281864
ENSMUSG00000064368	mt-Nd6	-0.011576029	0.875299431	0.954281864
ENSMUSG00000071054	Safb	-0.013145685	0.875379403	0.954281864

ENSMUSG0000003824	Syce2	-0.0131593	0.875582216	0.954351423
ENSMUSG00000019189	Rnf145	0.012701165	0.876252094	0.954351423
ENSMUSG00000022604	Cep97	0.013725453	0.876174665	0.954351423
ENSMUSG00000029233	Srd5a3	-0.013681128	0.876108332	0.954351423
ENSMUSG00000032578	Cish	0.004834419	0.875980798	0.954351423
ENSMUSG00000034574	Daam1	-0.010348857	0.875772424	0.954351423
ENSMUSG00000043090	Zfp866	-0.011796878	0.876336581	0.954351423
ENSMUSG00000045983	Eif4g1	-0.013671443	0.876332353	0.954351423
ENSMUSG00000060441	Trim5	-0.012849851	0.875724822	0.954351423
ENSMUSG00000070522	Gm6505	-0.01028736	0.876365215	0.954351423
ENSMUSG00000073700	Klhl21	0.013557084	0.876093469	0.954351423
ENSMUSG00000091572	Vmn2r3	0.008575942	0.876079216	0.954351423
ENSMUSG00000038102	Trappc11	0.013052165	0.876674163	0.954530766
ENSMUSG00000066900	Suds3	-0.012577699	0.876683599	0.954530766
ENSMUSG00000008496	Pou2f2	-0.012519668	0.876973585	0.954624307
ENSMUSG00000031103	Elf4	0.011592572	0.876890732	0.954624307
ENSMUSG00000031352	Hccs	0.013629821	0.877000078	0.954624307
ENSMUSG00000020737	Jpt1	0.011300778	0.877967009	0.954930817
ENSMUSG00000020910	Adprm	-0.012665645	0.877866804	0.954930817
ENSMUSG00000021007	Spata7	-0.013351026	0.877834162	0.954930817
ENSMUSG00000028641	P3h1	0.012569691	0.877643402	0.954930817
ENSMUSG00000032643	Fhl3	-0.010020568	0.87777455	0.954930817
ENSMUSG00000037110	Ralgapa2	0.006914305	0.878037396	0.954930817
ENSMUSG00000056260	Lrif1	0.012672578	0.877701415	0.954930817
ENSMUSG00000069072	Slc7a14	-0.005385173	0.877657618	0.954930817
ENSMUSG00000091013	Vmn1r1	-0.007743162	0.87778159	0.954930817
ENSMUSG00000102644	Thap6	-0.011177144	0.878050468	0.954930817
ENSMUSG00000024097	Srsf7	0.014524351	0.878543178	0.954995463
ENSMUSG00000025512	Chid1	-0.01303116	0.878282425	0.954995463
ENSMUSG00000025925	Terf1	-0.012881512	0.878456608	0.954995463
ENSMUSG00000035478	Mbd3	0.012262883	0.878618229	0.954995463
ENSMUSG00000038564	Ift172	0.013140544	0.878580372	0.954995463
ENSMUSG00000049038	Mterf2	0.008691269	0.878648108	0.954995463
ENSMUSG00000113523	Gm48366	0.006620428	0.878639925	0.954995463
ENSMUSG00000032178	Ilf3	-0.011563528	0.87895676	0.955247346
ENSMUSG00000020697	Lig3	-0.013022098	0.879104281	0.955293255
ENSMUSG00000028207	Asph	-0.013204302	0.879152821	0.955293255
ENSMUSG00000010358	Ifi35	0.0119469	0.879407595	0.955319375
ENSMUSG00000031201	Brcc3	0.012508782	0.879347707	0.955319375
ENSMUSG00000114579	Gm4130	0.007314132	0.87933009	0.955319375
ENSMUSG00000060147	Serpib6a	0.013126315	0.87957278	0.95541526
ENSMUSG00000035236	Scal	0.006233352	0.879713819	0.955484902
ENSMUSG00000005354	Txn2	0.011363939	0.880085556	0.955509244

ENSMUSG00000021054	Sgpp1	0.012244063	0.880159427	0.955509244
ENSMUSG00000029648	Flt1	-0.007039187	0.880219232	0.955509244
ENSMUSG00000031402	Mpp1	-0.013027094	0.880111	0.955509244
ENSMUSG00000031826	Usp10	0.013297753	0.88020256	0.955509244
ENSMUSG00000037643	Prkci	0.011952877	0.880274719	0.955509244
ENSMUSG00000090290	Tarbp1	0.010462379	0.880092012	0.955509244
ENSMUSG00000033220	Rac2	0.011643026	0.880644602	0.955827211
ENSMUSG00000021809	Nudt13	0.013185606	0.880855374	0.955888922
ENSMUSG00000063884	Ptcd3	-0.012462333	0.880841234	0.955888922
ENSMUSG00000020691	Mettl2	-0.012412536	0.881176231	0.955889947
ENSMUSG00000029238	Clock	0.010520235	0.881171186	0.955889947
ENSMUSG00000032551	1110059G10Rik	0.013020285	0.880943433	0.955889947
ENSMUSG00000049721	Gal3st1	-0.01138473	0.881027736	0.955889947
ENSMUSG00000061331	Gm17132	-0.00950594	0.881241106	0.955889947
ENSMUSG00000040918	Slc19a2	0.011957991	0.881347151	0.955921495
ENSMUSG00000035121	Neil2	-0.006502218	0.881479855	0.95598195
ENSMUSG00000021189	Atxn3	0.012690982	0.88185072	0.956086111
ENSMUSG00000027312	Atrn	-0.011820604	0.881681036	0.956086111
ENSMUSG00000035754	Wdr18	0.009892571	0.881871086	0.956086111
ENSMUSG00000049489	Ccnq	-0.012289701	0.881977448	0.956086111
ENSMUSG00000097333	Zfp87	-0.011415249	0.881921249	0.956086111
ENSMUSG00000098428	Gm2260	-0.001654284	0.882045625	0.956086111
ENSMUSG00000110642	Gm45710	-0.012196784	0.882114711	0.956086111
ENSMUSG00000022390	Zc3h7b	0.010310756	0.882453847	0.956370233
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ENSMUSG00000025041	Nt5c2	-0.01205459	0.882947256	0.956738015
ENSMUSG00000066263	Olfr639	0.009371306	0.88312907	0.956851551
ENSMUSG00000001829	Clpb	0.012904154	0.883730011	0.956999612
ENSMUSG00000021109	Hif1a	0.012795595	0.883790995	0.956999612
ENSMUSG00000021893	Capn7	0.012687911	0.883412503	0.956999612
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ENSMUSG00000040021	Lats1	0.011505394	0.883722558	0.956999612
ENSMUSG00000051396	Gm45902	-0.008003571	0.883484969	0.956999612
ENSMUSG00000068328	Aup1	-0.011681756	0.883805052	0.956999612
ENSMUSG00000002280	Narfl	-0.011002051	0.884161453	0.957302075
ENSMUSG00000041570	Camsap2	0.008203299	0.884444632	0.957501781
ENSMUSG00000113014	Selenok-ps8	-0.012014501	0.884500075	0.957501781
ENSMUSG00000090093	Gm14399	0.010605546	0.884659342	0.957575817
ENSMUSG00000092032	Vmn2r59	-0.007227122	0.884722653	0.957575817
ENSMUSG00000114251	Tmed10-ps	-0.012362548	0.884801405	0.957577612
ENSMUSG00000015961	Adss	-0.011805087	0.885465887	0.957763273
ENSMUSG00000027207	Galk2	0.010711421	0.885512715	0.957763273
ENSMUSG00000030752	Kdm8	-0.011873353	0.885274195	0.957763273

ENSMUSG00000032737	Inpp1	-0.003266481	0.885293094	0.957763273
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ENSMUSG00000043384	Gprasp1	-0.011194215	0.88523621	0.957763273
ENSMUSG00000044950	Pwwp2a	-0.012459821	0.885319339	0.957763273
ENSMUSG00000071652	Ints5	0.012833537	0.885602407	0.957776883
ENSMUSG00000026489	Coq8a	0.010303718	0.885815534	0.95784058
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ENSMUSG00000032512	Wdr48	-0.011685638	0.886245255	0.957888297
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ENSMUSG00000064330	Pde6h	-0.009524676	0.886467209	0.957961476
ENSMUSG00000003135	Cnot11	0.011196887	0.886994352	0.95803103
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ENSMUSG00000053746	Ptrh1	-0.010308266	0.886986329	0.95803103
ENSMUSG00000072663	Spef2	0.007973346	0.886925483	0.95803103
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ENSMUSG00000002496	Tsc2	0.004669873	0.887581588	0.958415275
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ENSMUSG00000026339	Ccdc93	0.012612087	0.888047372	0.958604392
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ENSMUSG00000023235	Ccl25	0.011773955	0.888409723	0.958749146
ENSMUSG00000061143	Maml3	0.00969947	0.888431098	0.958749146
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ENSMUSG00000011837	Snopc2	0.01223252	0.888971811	0.958808216
ENSMUSG00000013236	Ptprs	0.009763269	0.889026183	0.958808216
ENSMUSG00000019802	Sec63	0.011775042	0.888825991	0.958808216
ENSMUSG00000022407	Adsl	0.011949551	0.88893348	0.958808216
ENSMUSG00000027322	Siglec1	-0.010984663	0.888896599	0.958808216
ENSMUSG00000115700	Gm7517	0.009617489	0.888969386	0.958808216
ENSMUSG00000003039	Fam32a	0.010955866	0.889713746	0.959250788
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ENSMUSG00000031959	Wdr59	-0.008995682	0.88952779	0.959250788
ENSMUSG00000037296	Lsm1	0.01102908	0.889745458	0.959250788
ENSMUSG00000040354	Mars	-0.011910785	0.889862461	0.959293667
ENSMUSG00000042419	Nfkbil1	-0.011941528	0.890048511	0.959410966

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ENSMUSG00000022089	Bin3	-0.011749339	0.89039069	0.959499507
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ENSMUSG00000020448	Rnf185	0.012144075	0.890609391	0.959599172
ENSMUSG00000003161	Sri	0.012216148	0.891032143	0.95974963
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ENSMUSG00000031731	Ap1g1	0.011104973	0.890853139	0.95974963
ENSMUSG00000044145	1810024B03Rik	0.011396306	0.891216274	0.95974963
ENSMUSG00000070605	Zfp992	-0.011306073	0.89128991	0.95974963
ENSMUSG00000075053	Vdac3-ps1	0.001330607	0.891253951	0.95974963
ENSMUSG00000113924	Gm48493	-0.002214504	0.89113104	0.95974963
ENSMUSG00000050373	Snx21	-0.007316572	0.891466611	0.95985669
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ENSMUSG00000074874	Ctla2b	-0.006339977	0.891834408	0.960025092
ENSMUSG00000089862	Umad1	0.011103798	0.891710818	0.960025092
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ENSMUSG00000037104	Socs5	-0.007134222	0.892871141	0.960932261
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ENSMUSG00000005968	Tuft1	0.005913896	0.893412362	0.961118564
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ENSMUSG00000032216	Nedd4	-0.011349822	0.896195455	0.962351011

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ENSMUSG00000039384	Dusp10	-0.007382321	0.896604441	0.962385392
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ENSMUSG00000021149	Gtpbp4	-0.010923743	0.897724468	0.96253211
ENSMUSG00000021470	Ercc6l2	0.011375818	0.897287818	0.96253211
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ENSMUSG00000028863	Meaf6	0.010661454	0.897099459	0.96253211
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ENSMUSG00000043962	Thrap3	-0.011125233	0.89732411	0.96253211
ENSMUSG00000046152	Fut10	-0.010200913	0.897653492	0.96253211
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ENSMUSG00000066595	Flvcr1	0.011405749	0.897649875	0.96253211
ENSMUSG00000030847	Bag3	-0.009439056	0.89819413	0.962843643
ENSMUSG00000053774	Ubxn7	-0.007211355	0.898170477	0.962843643
ENSMUSG00000039670	Oxld1	0.010656693	0.898280236	0.962852849
ENSMUSG00000001100	Poldip2	0.009845707	0.898771225	0.963000246
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ENSMUSG00000024050	Wiz	-0.011018935	0.898805399	0.963000246
ENSMUSG00000048949	Gm6206	-0.0057466	0.898609261	0.963000246
ENSMUSG00000083670	Gm6829	-0.010998143	0.898788486	0.963000246
ENSMUSG00000078201	Tmem203	0.011192063	0.898885925	0.963003457
ENSMUSG00000048148	Nwd1	-0.006819855	0.899143948	0.963030696
ENSMUSG00000050097	Ces2b	-0.005786958	0.899050104	0.963030696
ENSMUSG00000056121	Fez2	0.011303424	0.89914372	0.963030696
ENSMUSG00000032344	Cgas	0.010962537	0.899259723	0.963071652
ENSMUSG00000064137	Rhox8	0.006330943	0.899389653	0.963127759
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ENSMUSG00000020821	Kif1c	0.005992851	0.89984904	0.963188433
ENSMUSG00000027628	Aar2	-0.010864056	0.899904891	0.963188433
ENSMUSG00000042854	Trp53rkb	-0.010688002	0.899911582	0.963188433
ENSMUSG00000064373	Selenop	0.01123792	0.899811111	0.963188433
ENSMUSG00000074211	Sdhaf1	0.011475173	0.899612834	0.963188433
ENSMUSG00000022814	Umps	-0.010786616	0.900129989	0.963194847
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ENSMUSG00000036188	Ankmy2	-0.010871213	0.90027762	0.963248197

ENSMUSG00000094472	Gm21897	-0.005482056	0.900376903	0.963271448
ENSMUSG00000023020	Cox14	0.010828722	0.900465592	0.963283363
ENSMUSG00000022554	Hgh1	0.010609736	0.900636715	0.963300493
ENSMUSG00000052364	B630019K06Rik	0.007501479	0.900615228	0.963300493
ENSMUSG00000048371	Pdp2	0.009924497	0.900729739	0.963317039
ENSMUSG00000024811	Tnks2	-0.009787894	0.900909565	0.963343466
ENSMUSG00000036438	Calm2	-0.010549555	0.900862873	0.963343466
ENSMUSG00000027835	Pdcd10	0.011000149	0.901037258	0.963397071
ENSMUSG00000021770	Samd8	-0.009848796	0.901236501	0.963444236
ENSMUSG00000079659	Tmem243	0.010891515	0.901185592	0.963444236
ENSMUSG00000029063	Nadk	-0.010288087	0.901558034	0.96370502
ENSMUSG00000028933	Xrcc2	-0.010300709	0.90164942	0.96371977
ENSMUSG00000052572	Dlg2	-0.009911246	0.901850435	0.963851683
ENSMUSG00000019734	Tmc4	-0.006708536	0.901939008	0.963863411
ENSMUSG00000037628	Cdkn3	0.010911354	0.902157197	0.964013639
ENSMUSG00000005447	Pafah1b3	-0.010314608	0.903077044	0.96405264
ENSMUSG00000014837	4931428F04Rik	-0.008494437	0.902740117	0.96405264
ENSMUSG00000020038	Cry1	-0.002740189	0.902854708	0.96405264
ENSMUSG00000020280	Pus10	-0.010437372	0.903512994	0.96405264
ENSMUSG00000020590	Snx13	-0.008632646	0.903307193	0.96405264
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ENSMUSG00000021884	Hacl1	-0.010493006	0.90333031	0.96405264
ENSMUSG00000024274	Zscan30	-0.004564532	0.903498342	0.96405264
ENSMUSG00000025104	Hdglf3	0.005856392	0.902531302	0.96405264
ENSMUSG00000027180	Fbxo3	0.011418611	0.902907312	0.96405264
ENSMUSG00000032212	Sltn	0.00922055	0.902701365	0.96405264
ENSMUSG00000039318	Rab3gap2	-0.010449439	0.90346979	0.96405264
ENSMUSG00000041215	Yeats2	0.010843367	0.902585316	0.96405264
ENSMUSG00000042207	Kdm5b	-0.010371317	0.903499942	0.96405264
ENSMUSG00000047613	A430005L14Rik	0.011204189	0.90321348	0.96405264
ENSMUSG00000050071	Bex1	-0.005279953	0.903197022	0.96405264
ENSMUSG00000057541	Pus7	-0.010481572	0.903573797	0.96405264
ENSMUSG00000058446	Znrf2	0.010803549	0.902632002	0.96405264
ENSMUSG00000022816	Fstl1	-0.00636619	0.904046168	0.964232612
ENSMUSG00000039473	Ubn1	0.010598874	0.903854085	0.964232612
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ENSMUSG00000094484	Gm21244	0.008067037	0.904147592	0.964232612
ENSMUSG00000117010	CT025601.1	-0.007913582	0.904126504	0.964232612
ENSMUSG00000060475	Wtap	-0.008530866	0.904251007	0.96426011
ENSMUSG00000022853	Ehhadh	-0.007715252	0.904376956	0.964293786
ENSMUSG00000095105	Edaradd	-0.006255927	0.904437856	0.964293786
ENSMUSG00000009630	Ppp2cb	-0.008350116	0.904735691	0.96452854
ENSMUSG00000044757	Gm6430	-0.005053852	0.904955257	0.964679819

ENSMUSG00000046591	Ticrr	0.010104566	0.905064385	0.964713355
ENSMUSG00000049739	Zfp646	-0.009024186	0.90519118	0.964765715
ENSMUSG00000020441	2310033P09Rik	0.010136895	0.905338914	0.964840382
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ENSMUSG00000034731	Dgkh	0.008323795	0.90569444	0.96505367
ENSMUSG00000051674	Dcun1d4	0.008082925	0.905806737	0.965090537
ENSMUSG00000033323	Ctdp1	-0.00938155	0.906507132	0.965697376
ENSMUSG00000043987	Cep164	0.009777798	0.906531793	0.965697376
ENSMUSG00000057133	Chd6	-0.009698807	0.90662045	0.965708997
ENSMUSG00000033192	Lpcat2	0.009943223	0.906709158	0.96572067
ENSMUSG00000026928	Card9	0.010120729	0.907119994	0.965992579
ENSMUSG00000038214	Bend3	-0.006166529	0.907042653	0.965992579
ENSMUSG00000003847	Nfat5	0.007702361	0.907495518	0.966061178
ENSMUSG00000017299	Dnttip1	0.010352236	0.907424029	0.966061178
ENSMUSG00000027001	Dusp19	-0.010141604	0.907493509	0.966061178
ENSMUSG00000045671	Spred2	0.008277732	0.907289887	0.966061178
ENSMUSG00000024668	Sdhaf2	0.009703873	0.90771868	0.966215934
ENSMUSG00000106190	Gm20768	0.010229674	0.90780615	0.966226237
ENSMUSG00000026579	F5	-0.00793743	0.908044443	0.966263675
ENSMUSG00000078875	Gm14419	0.009055289	0.908074703	0.966263675
ENSMUSG00000094627	Gm10182	0.005060249	0.907987015	0.966263675
ENSMUSG00000009418	Nav1	-0.007858048	0.908722777	0.966456513
ENSMUSG00000029209	Gnpda2	0.010159851	0.908360113	0.966456513
ENSMUSG00000040560	Wdr7	-0.008070787	0.908464066	0.966456513
ENSMUSG00000047286	Olfr370	0.008943805	0.908618201	0.966456513
ENSMUSG00000047342	Zfp286	0.008171967	0.908559174	0.966456513
ENSMUSG00000058239	Usf2	0.008665209	0.90865208	0.966456513
ENSMUSG00000040204	Pclaf	-0.010839989	0.908854101	0.966513423
ENSMUSG00000005575	Ube2m	0.011506959	0.909205051	0.966609252
ENSMUSG00000024487	Yipf5	0.009158986	0.909114085	0.966609252
ENSMUSG00000026715	Serpinc1	-0.005402321	0.909075903	0.966609252
ENSMUSG00000048481	Mypop	-0.007042977	0.909255495	0.966609252
ENSMUSG00000034023	Fancd2	-0.009641398	0.909394878	0.966674693
ENSMUSG00000021886	Gpr65	-0.009998775	0.909594344	0.966759009
ENSMUSG00000075486	Commd6	-0.009756183	0.909629864	0.966759009
ENSMUSG00000010609	Psen2	-0.009231324	0.909798121	0.966772389
ENSMUSG00000026383	Epb41l5	0.005090851	0.909734771	0.966772389
ENSMUSG00000027882	Stxbp3	0.010120746	0.909887376	0.966784524
ENSMUSG00000071724	Smpd5	0.005188699	0.910061707	0.966887047
ENSMUSG00000002031	Ift46	0.010164205	0.910757427	0.967295254
ENSMUSG00000017550	Atad5	0.009873258	0.910638112	0.967295254
ENSMUSG00000046441	Cmtr2	-0.009692243	0.910682039	0.967295254
ENSMUSG00000098650	Gm28048	0.009583848	0.910747631	0.967295254

ENSMUSG00000021266	Wars	0.009888714	0.910899029	0.967362931
ENSMUSG00000072621	Slfn10-ps	0.007334945	0.911033587	0.967423116
ENSMUSG00000090136	Gm10177	0.009450088	0.911134729	0.967447809
ENSMUSG00000020993	Trappc6b	-0.008738072	0.911427658	0.967613371
ENSMUSG00000025939	Ube2w	-0.009159761	0.911446457	0.967613371
ENSMUSG00000032615	Nt5m	0.00960333	0.91163798	0.967733985
ENSMUSG00000115423	AL731706.1	-0.009506049	0.911830332	0.967855457
ENSMUSG00000085172	Gm6542	0.004712706	0.911990146	0.967942374
ENSMUSG00000021245	Mlh3	-0.008328946	0.912363178	0.968029438
ENSMUSG00000092416	Zfp141	-0.009389259	0.912383917	0.968029438
ENSMUSG00000115684	Gm6087	-0.00077066	0.91216434	0.968029438
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ENSMUSG00000115232	Gm49378	-0.001174027	0.912806367	0.968394934
ENSMUSG00000040734	Ppp1r13l	0.003980602	0.912955046	0.968469948
ENSMUSG00000002103	Acp2	-0.009404549	0.913198726	0.968563007
ENSMUSG00000025932	Eya1	0.005032617	0.913153216	0.968563007
ENSMUSG00000017144	Rnd3	-0.007543158	0.913688545	0.968586278
ENSMUSG00000020806	Rhbdf2	-0.008487125	0.913681347	0.968586278
ENSMUSG00000037343	Taf2	0.008939337	0.913671746	0.968586278
ENSMUSG00000049670	Morn4	-0.004953221	0.913678339	0.968586278
ENSMUSG00000081321	Gm15304	0.005538279	0.913403888	0.968586278
ENSMUSG00000090751	Vmn2r63	-0.005707213	0.913423641	0.968586278
ENSMUSG00000012609	Ttll5	0.007537864	0.914181779	0.968613143
ENSMUSG00000016496	Cd274	-0.00622639	0.913938747	0.968613143
ENSMUSG00000030304	Ergic2	0.009533468	0.914181203	0.968613143
ENSMUSG00000036661	Dennd3	-0.003845655	0.913926198	0.968613143
ENSMUSG00000069011	Gm10254	-0.001229589	0.913989263	0.968613143
ENSMUSG00000112038	Gm47056	0.006230762	0.914072742	0.968613143
ENSMUSG00000051184	Zfp524	-0.008986558	0.914631155	0.969006617
ENSMUSG00000030254	Rad18	0.008999238	0.914905607	0.969069249
ENSMUSG00000030309	Caprin2	0.006155015	0.915158384	0.969069249
ENSMUSG00000055024	Ep300	-0.007257694	0.91503691	0.969069249
ENSMUSG00000059923	Grb2	-0.00730717	0.915060598	0.969069249
ENSMUSG00000062691	Cebpzoz	0.008742079	0.914863176	0.969069249
ENSMUSG00000066456	Hmgn3	-0.009279585	0.915118109	0.969069249
ENSMUSG00000029561	Oasl2	0.006028749	0.915377157	0.969218282
ENSMUSG00000010663	Fads1	-0.007031857	0.915495916	0.969236787
ENSMUSG00000115267	Vmn1r76	-0.004767381	0.915550698	0.969236787
ENSMUSG00000018442	Derl2	0.008592016	0.915852492	0.969308435
ENSMUSG00000032481	Smarcc1	0.008427407	0.915753537	0.969308435
ENSMUSG00000037253	Mex3c	-0.008770005	0.915832123	0.969308435
ENSMUSG00000001441	Npepps	-0.007791706	0.916495283	0.969367395
ENSMUSG00000004880	Lbr	-0.008733745	0.916421821	0.969367395

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ENSMUSG00000037570	Mcrs1	-0.009329436	0.916291656	0.969367395
ENSMUSG00000041975	Mettl8	0.008277746	0.916389471	0.969367395
ENSMUSG00000064360	mt-Nd3	-0.001568545	0.91653254	0.969367395
ENSMUSG00000060591	Ifitm2	0.00939215	0.916673559	0.969433995
ENSMUSG00000000568	Hnrnpd	-0.008925324	0.916804595	0.969490029
ENSMUSG00000029605	Oas1b	0.006927222	0.916896676	0.969504862
ENSMUSG00000078897	Gm4724	-0.007780552	0.917457922	0.970015735
ENSMUSG00000056531	Ccdc18	-0.008722359	0.91759073	0.970073577
ENSMUSG00000090946	Ccdc71l	0.008682268	0.91778536	0.970196762
ENSMUSG00000014550	Rbsn	0.00911955	0.918181737	0.970533176
ENSMUSG00000039046	Usp6nl	-0.008590222	0.918461807	0.970746605
ENSMUSG00000027806	Tsc22d2	-0.006007119	0.91857739	0.970786162
ENSMUSG00000092428	Gm20545	0.009110019	0.918661725	0.970792691
ENSMUSG00000028688	Toe1	-0.007795173	0.918824636	0.970806694
ENSMUSG00000040250	Ints13	-0.008769906	0.918831293	0.970806694
ENSMUSG00000041064	Pif1	-0.007835301	0.919095045	0.970869063
ENSMUSG00000050471	Fam118b	-0.008475643	0.919124814	0.970869063
ENSMUSG00000066810	Gm10181	0.004837618	0.919068118	0.970869063
ENSMUSG00000021693	Kif2a	0.0072173	0.91936631	0.970890089
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ENSMUSG00000042790	Rnf214	-0.008705213	0.919379215	0.970890089
ENSMUSG00000030339	Ltbr	-0.007161508	0.919643509	0.971004082
ENSMUSG00000045098	Kmt5b	-0.008745747	0.919571313	0.971004082
ENSMUSG00000021226	Acot2	-0.00498397	0.919799886	0.971086645
ENSMUSG00000056258	Kcnq3	0.002971281	0.919890108	0.971099357
ENSMUSG00000015804	Med28	0.008703603	0.920840544	0.971359694
ENSMUSG00000019917	Sept10	-0.00753483	0.92047568	0.971359694
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ENSMUSG00000022800	Fyttd1	0.007586971	0.920485689	0.971359694
ENSMUSG00000026154	Sdhaf4	0.008347219	0.920764455	0.971359694
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ENSMUSG00000031931	Ankrd49	-0.008022091	0.920446798	0.971359694
ENSMUSG00000032932	Hspa13	0.009055313	0.920612542	0.971359694
ENSMUSG00000000738	Spg7	-0.007582985	0.920976531	0.971420643
ENSMUSG00000020349	Ppp2ca	0.006732685	0.921344156	0.971679041
ENSMUSG00000028709	Mob3c	-0.006195711	0.921418303	0.971679041
ENSMUSG00000046861	Hectd3	0.008072796	0.921456197	0.971679041
ENSMUSG00000022110	Sucla2	0.008886153	0.921556248	0.971702051
ENSMUSG00000020739	Nup85	0.008164419	0.92165713	0.971725933

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ENSMUSG00000026135	Zfp142	0.005864792	0.92218266	0.971779116
ENSMUSG00000032525	Nktr	-0.008432168	0.921899133	0.971779116
ENSMUSG00000034189	Hsdl1	-0.008231031	0.9219203	0.971779116
ENSMUSG00000035585	Tsen34	-0.00731286	0.922317954	0.971779116
ENSMUSG00000042992	Borcs5	-0.008374588	0.922333468	0.971779116
ENSMUSG00000114827	Gm46432	-0.005154779	0.922223522	0.971779116
ENSMUSG00000024843	Chka	-0.007191784	0.922466651	0.971798626
ENSMUSG00000035378	Shq1	0.008076689	0.922508461	0.971798626
ENSMUSG00000022074	Tnfrsf10b	0.006055324	0.922648037	0.971863235
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ENSMUSG00000022350	Washc5	-0.008013318	0.923006709	0.971911354
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ENSMUSG00000034252	Senp6	0.008592607	0.923471729	0.972216184
ENSMUSG00000035293	G2e3	0.00829448	0.923757312	0.972216184
ENSMUSG00000035365	Parpbp	-0.008008212	0.923489138	0.972216184
ENSMUSG00000040010	Slc7a5	-0.002864997	0.923819919	0.972216184
ENSMUSG00000060708	Bloc1s4	0.008532937	0.924057558	0.972216184
ENSMUSG00000068855	Hist2h2ac	0.007944926	0.923874508	0.972216184
ENSMUSG00000024592	C330018D20Rik	0.008372065	0.924200576	0.972261824
ENSMUSG00000003031	Cdkn1b	-0.006634235	0.924354122	0.972341002
ENSMUSG00000040396	Abhd13	0.008376568	0.924475703	0.972386545
ENSMUSG00000025350	Rdh5	0.005282393	0.924686583	0.972505123
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ENSMUSG00000020268	Lym7	-0.006773083	0.925457145	0.972913359
ENSMUSG00000024082	Ndufaf7	0.008067323	0.925380946	0.972913359
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ENSMUSG00000074579	Lekr1	0.007947755	0.925340608	0.972913359
ENSMUSG00000035958	Tdp2	-0.007525268	0.925778565	0.973015362
ENSMUSG00000083465	Gm11652	0.004254951	0.925757251	0.973015362
ENSMUSG00000020914	Top2a	0.007768227	0.925945741	0.973108727
ENSMUSG00000078867	Gm14418	0.00715854	0.926370686	0.973472951
ENSMUSG00000031536	Polb	0.00822436	0.926506865	0.973533692
ENSMUSG00000007812	Zfp655	-0.007925278	0.926622355	0.973572684
ENSMUSG00000059288	Cdyl	0.007578811	0.926800265	0.973677247
ENSMUSG00000042106	Inka1	-0.007715199	0.927174558	0.973988091

ENSMUSG00000020659	Cbll1	-0.007950685	0.927537156	0.974071305
ENSMUSG00000027602	Map1lc3a	0.00724214	0.927567458	0.974071305
ENSMUSG00000050592	Fam78a	-0.006784199	0.927441344	0.974071305
ENSMUSG00000074030	Exoc8	0.007990067	0.927528069	0.974071305
ENSMUSG00000032028	Nxpe2	0.004123008	0.928056052	0.974502005
ENSMUSG00000030697	Ppp4c	-0.007388271	0.928313121	0.974524787
ENSMUSG00000031667	Aktip	-0.003463037	0.928282941	0.974524787
ENSMUSG00000042165	Gm9774	-0.007586729	0.928189049	0.974524787
ENSMUSG00000030276	Ttll3	-0.003567296	0.928823988	0.974978683
ENSMUSG00000040213	Kyat3	-0.007241696	0.928928933	0.975006445
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ENSMUSG00000041124	Msantd4	-0.007620142	0.929156749	0.975080768
ENSMUSG00000001436	Slc19a1	-0.007597557	0.929463853	0.975150493
ENSMUSG00000028680	Plk3	-0.005558985	0.92961573	0.975150493
ENSMUSG00000034936	Arl4d	0.004247778	0.929564142	0.975150493
ENSMUSG00000060935	Tmem263	0.008080476	0.929612949	0.975150493
ENSMUSG00000094103	1700047I17Rik2	0.0066245	0.92943067	0.975150493
ENSMUSG00000046245	Pilra	0.007748219	0.929905329	0.975371905
ENSMUSG00000079184	Mphosph8	-0.007164437	0.930131196	0.975526436
ENSMUSG00000034175	Rhbdd3	0.007721691	0.930229786	0.975547465
ENSMUSG00000020744	Slc25a19	0.007809658	0.930529139	0.975677007
ENSMUSG00000046881	Olf374	-0.004741259	0.930503655	0.975677007
ENSMUSG00000115932	LT629148.2	-0.006897164	0.930588962	0.975677007
ENSMUSG00000020020	Usp44	0.006427446	0.930765346	0.975779572
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ENSMUSG00000018449	Rpain	-0.006952471	0.931689868	0.976419157
ENSMUSG00000020087	Tysnd1	-0.013847879	0.93192206	0.976424386
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ENSMUSG00000028291	Akirin2	0.006816725	0.932190522	0.976496735
ENSMUSG00000054150	Syne3	-0.007079141	0.932235592	0.976496735
ENSMUSG00000105189	Gm7774	0.003384619	0.93214557	0.976496735
ENSMUSG00000029478	Ncor2	-6.71E-05	0.932395951	0.976500009
ENSMUSG00000037788	Vopp1	0.007386242	0.932381767	0.976500009
ENSMUSG00000033392	Clasp2	-0.006417784	0.932567086	0.976595221
ENSMUSG00000043885	Slc36a4	-0.00661696	0.932644112	0.976595221
ENSMUSG00000024068	Spast	0.00741485	0.93315277	0.976605117
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ENSMUSG00000107002	0610012G03Rik	-0.006729279	0.932923514	0.976605117

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ENSMUSG00000113921	Gm48054	0.004984318	0.932898966	0.976605117
ENSMUSG00000005667	Mthfd2	-0.007050118	0.933984233	0.976633343
ENSMUSG00000020527	Myo19	-0.004892137	0.933620853	0.976633343
ENSMUSG00000025538	Sumf2	0.006718354	0.934126506	0.976633343
ENSMUSG00000026926	Pmpca	0.007522533	0.934011197	0.976633343
ENSMUSG00000027331	Knstrn	0.006621336	0.933582034	0.976633343
ENSMUSG00000029310	Nudt9	0.006663232	0.934170722	0.976633343
ENSMUSG00000029402	Snrnp35	0.007030376	0.934178838	0.976633343
ENSMUSG00000033808	Tmem87a	0.005937449	0.933993507	0.976633343
ENSMUSG00000034109	Golim4	0.007401045	0.933816729	0.976633343
ENSMUSG00000039063	Echdc3	0.005686473	0.933618121	0.976633343
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ENSMUSG00000074604	Mgst2	0.007925887	0.933707706	0.976633343
ENSMUSG00000112557	Gm47626	0.003292473	0.93425307	0.976633343
ENSMUSG00000021514	Zfp369	-0.005949888	0.934650071	0.976642063
ENSMUSG00000023971	Rrp36	-0.006477162	0.934503325	0.976642063
ENSMUSG00000025076	Casp7	0.006690069	0.934414277	0.976642063
ENSMUSG00000078942	Naip6	-0.004978006	0.934642541	0.976642063
ENSMUSG00000115223	Gm48985	0.005830475	0.934654553	0.976642063
ENSMUSG00000027997	Casp6	0.007383164	0.934815327	0.976645738
ENSMUSG00000037336	Mfsd2b	0.005063194	0.934749619	0.976645738
ENSMUSG00000006390	Elovl1	0.006728649	0.935462464	0.977159621
ENSMUSG00000048429	Timm29	-0.006560934	0.93554321	0.977159621
ENSMUSG00000049232	Tigd2	-0.0069344	0.93553311	0.977159621
ENSMUSG00000040592	Cd79b	0.007041806	0.935769933	0.977314247
ENSMUSG00000049103	Ccr2	-0.006994001	0.936015483	0.97745496
ENSMUSG00000053182	Gm609	-0.005155045	0.936219439	0.97745496
ENSMUSG00000073060	Zxda	-0.001477164	0.936129303	0.97745496
ENSMUSG00000081888	Spcs2-ps	0.003972447	0.936203549	0.97745496
ENSMUSG00000022962	Gart	-0.006177783	0.936411051	0.977490685
ENSMUSG00000033799	Fam208b	0.003889109	0.93637281	0.977490685
ENSMUSG00000024160	Spsb3	-0.006645494	0.93695173	0.977591428
ENSMUSG00000026779	Mastl	-0.005938942	0.936979788	0.977591428
ENSMUSG00000028188	Spata1	0.005578865	0.93681018	0.977591428
ENSMUSG00000028613	Lrp8	0.006940414	0.93674113	0.977591428
ENSMUSG00000030465	Psd3	-0.005007153	0.936847972	0.977591428
ENSMUSG00000118125	Sssca1	-0.006143989	0.936699732	0.977591428
ENSMUSG00000028974	Dffa	0.00687191	0.937150533	0.97768745
ENSMUSG00000113393	Gm48415	-0.001309679	0.937359508	0.977823334
ENSMUSG00000001632	Brpf1	-0.006363402	0.937524783	0.9778315
ENSMUSG00000096822	Olfir344	-0.003087805	0.937474119	0.9778315
ENSMUSG00000042851	Zc3h6	-0.004557683	0.93784947	0.978088016

ENSMUSG00000080115	Eef1akmt3	-0.004686158	0.938029409	0.978193543
ENSMUSG00000029815	Malsu1	0.006529039	0.938190881	0.978197677
ENSMUSG00000118346	Tmem179b	0.005756944	0.938176349	0.978197677
ENSMUSG00000046841	Ckap4	0.006893915	0.938304316	0.978233835
ENSMUSG00000030682	Cdipt	-0.007102492	0.939073482	0.97886145
ENSMUSG00000032294	Pkm	0.006950809	0.939135833	0.97886145
ENSMUSG00000073888	Ccl27a	-0.004240936	0.939142734	0.97886145
ENSMUSG00000031595	Pdgfrl	0.003751637	0.939359651	0.97898999
ENSMUSG00000114456	Hist1h2bh	0.004113682	0.939423693	0.97898999
ENSMUSG00000025314	Ptprj	-0.005363959	0.93963978	0.979050894
ENSMUSG00000029518	Rab35	-0.005241948	0.939639312	0.979050894
ENSMUSG00000025025	Mxi1	0.006944348	0.939856181	0.979071453
ENSMUSG00000027963	Extl2	-0.001777437	0.939847133	0.979071453
ENSMUSG00000072720	Myo18b	0.003842249	0.939895983	0.979071453
ENSMUSG00000001158	Snrnp27	0.005919704	0.940327553	0.979142461
ENSMUSG00000030835	Nomol	0.006697687	0.940090458	0.979142461
ENSMUSG00000031174	Rpgr	0.006658424	0.940437127	0.979142461
ENSMUSG00000033871	Ppargc1b	-0.006055275	0.940410495	0.979142461
ENSMUSG00000066306	Numa1	-0.006413612	0.940257488	0.979142461
ENSMUSG00000092118	Fancf	0.006624903	0.940261949	0.979142461
ENSMUSG00000035704	Alg8	-0.005889823	0.940523445	0.979150257
ENSMUSG00000009563	Tor2a	0.007642353	0.940787912	0.979276629
ENSMUSG00000015776	Med22	-0.006375642	0.940802513	0.979276629
ENSMUSG00000018143	Mafk	-0.006285389	0.941070594	0.979309471
ENSMUSG00000025612	Bach1	0.005388092	0.940916411	0.979309471
ENSMUSG00000031529	Tnks	-0.002348551	0.94103881	0.979309471
ENSMUSG00000021959	Lats2	0.005244426	0.941204909	0.979367193
ENSMUSG00000024772	Ehd1	0.006551218	0.941636175	0.97956976
ENSMUSG00000048232	Fbxo10	-0.002182189	0.941552541	0.97956976
ENSMUSG00000079737	3110001l22Rik	0.006437979	0.941610916	0.97956976
ENSMUSG00000003549	Erccl	-0.013902004	0.942010757	0.979877365
ENSMUSG00000034636	Zyg11b	-0.003029289	0.94233736	0.979915383
ENSMUSG00000055633	Zfp580	0.003841444	0.942218455	0.979915383
ENSMUSG00000071657	Bscl2	-0.005232449	0.942362873	0.979915383
ENSMUSG00000072693	Gm10401	0.004452548	0.942163967	0.979915383
ENSMUSG00000027709	Mccc1	-0.005760305	0.942627797	0.980066808
ENSMUSG00000058761	Rnf169	0.005380608	0.942666304	0.980066808
ENSMUSG00000028573	Fggy	0.005780983	0.942753894	0.980075839
ENSMUSG00000008429	Herpud2	0.006400547	0.943261256	0.980496511
ENSMUSG00000024424	Ttc39c	0.00645223	0.943332364	0.980496511
ENSMUSG00000029090	Adgra3	-0.002240156	0.943395363	0.980496511
ENSMUSG00000003809	Gcdh	0.006354807	0.943566269	0.980592088
ENSMUSG00000024767	Otub1	0.006679659	0.943780618	0.980730506

ENSMUSG00000034163	Zfc3h1	-0.005953979	0.943857376	0.980730506
ENSMUSG00000029346	Srrd	-0.007153237	0.944226841	0.980739628
ENSMUSG00000030149	Klrk1	-0.004610473	0.944391993	0.980739628
ENSMUSG00000040165	Cd209c	-0.002648128	0.944418863	0.980739628
ENSMUSG00000042599	Kdm7a	0.004778549	0.944372981	0.980739628
ENSMUSG00000063739	Gm4963	-0.002450992	0.943953845	0.980739628
ENSMUSG00000068014	Gm14648	0.001020417	0.944315348	0.980739628
ENSMUSG00000078622	Ccdc47	-0.004919278	0.944360837	0.980739628
ENSMUSG00000018921	Pelp1	-0.005654323	0.944524188	0.980767007
ENSMUSG00000059447	Hadhb	-0.005170581	0.944918369	0.981094296
ENSMUSG00000020790	Ankfy1	0.006140256	0.94553853	0.981246059
ENSMUSG00000022861	Dgkg	0.006273039	0.945182729	0.981246059
ENSMUSG00000032011	Thy1	-0.003733093	0.945526055	0.981246059
ENSMUSG00000032097	Ddx6	0.006304295	0.945328752	0.981246059
ENSMUSG00000051853	Arf3	-0.006267184	0.945410856	0.981246059
ENSMUSG00000116995	Gm21926	-0.00538031	0.945390542	0.981246059
ENSMUSG00000029776	Hibadh	0.00406874	0.945881866	0.981438364
ENSMUSG00000052889	Prkcb	0.005937537	0.945835698	0.981438364
ENSMUSG00000003528	Slc25a1	0.004944244	0.946606482	0.981750044
ENSMUSG00000021431	Snrnp48	0.005919291	0.946526146	0.981750044
ENSMUSG00000023830	Igf2r	0.001078011	0.946476356	0.981750044
ENSMUSG00000028857	Tmem222	0.005569953	0.946682284	0.981750044
ENSMUSG00000035173	Ccdc186	-0.004925114	0.946704656	0.981750044
ENSMUSG00000069309	Hist1h2an	-0.005513908	0.946604078	0.981750044
ENSMUSG00000111516	CR954983.1	0.003866685	0.946735531	0.981750044
ENSMUSG00000039478	Micu3	0.004551141	0.947142646	0.982044921
ENSMUSG00000054027	Nt5dc3	-0.003356787	0.947178018	0.982044921
ENSMUSG00000006526	Tmem110	-0.005493184	0.947296845	0.982080585
ENSMUSG00000022665	Ccdc80	-0.003151379	0.9474533	0.982080585
ENSMUSG00000025337	Sbds	0.005606363	0.947642469	0.982080585
ENSMUSG00000026179	Pnkd	0.006247363	0.947686812	0.982080585
ENSMUSG00000037216	Lipt1	-0.005167525	0.947619838	0.982080585
ENSMUSG00000074735	Gm21994	-0.004670809	0.947565625	0.982080585
ENSMUSG00000021069	Pygl	0.006317537	0.948266621	0.982353603
ENSMUSG00000028706	Nsun4	-0.00563282	0.948199573	0.982353603
ENSMUSG00000030428	Ttyh1	0.003979071	0.948237383	0.982353603
ENSMUSG00000036160	Surf6	0.005265252	0.948238738	0.982353603
ENSMUSG00000028553	Angptl3	0.003948144	0.948676684	0.982445099
ENSMUSG00000047205	Dusp18	0.00335259	0.948657891	0.982445099
ENSMUSG00000064109	Hcst	-0.00556422	0.948517822	0.982445099
ENSMUSG00000078994	Zfp429	-0.005026519	0.948750419	0.982445099
ENSMUSG00000113606	Gm47441	0.005787567	0.948631369	0.982445099
ENSMUSG00000009248	Ascl2	-0.005021999	0.949034995	0.98257595

ENSMUSG00000061175	Fnip2	-0.003960751	0.948980691	0.98257595
ENSMUSG00000025782	Taf3	-0.005387095	0.949280773	0.982742934
ENSMUSG00000028673	Fuca1	-0.005249346	0.949384033	0.982742934
ENSMUSG00000047045	Tmem164	0.005623019	0.949512757	0.982742934
ENSMUSG00000086473	Gm16265	0.004273301	0.949478062	0.982742934
ENSMUSG00000024286	Ccny	-0.002561912	0.949894511	0.982836294
ENSMUSG00000028636	Ppcs	-0.005227321	0.949855819	0.982836294
ENSMUSG00000029407	Uso1	0.005665548	0.950156848	0.982836294
ENSMUSG00000034663	Bmp2k	-0.005282937	0.949766131	0.982836294
ENSMUSG00000034855	Cxcl10	-0.003088657	0.95010384	0.982836294
ENSMUSG00000038685	Rtel1	-0.004619889	0.95014673	0.982836294
ENSMUSG00000043542	Zc2hc1a	0.005444766	0.950026805	0.982836294
ENSMUSG00000040385	Ppp1ca	0.008740242	0.950344351	0.982916773
ENSMUSG00000040652	Oaz2	0.005941814	0.950392919	0.982916773
ENSMUSG00000000753	Serpinf1	-0.004482134	0.950607291	0.983056628
ENSMUSG00000050088	1600012H06Rik	0.005545815	0.950755765	0.983128318
ENSMUSG00000003402	Prkcsh	0.005352002	0.951606596	0.98313747
ENSMUSG00000003421	Nosip	-0.005043005	0.951583303	0.98313747
ENSMUSG00000020100	Slc29a3	-0.013952413	0.950980193	0.98313747
ENSMUSG00000024236	Svil	-0.004968549	0.95170441	0.98313747
ENSMUSG00000031922	Cep57	-0.005108662	0.951468524	0.98313747
ENSMUSG00000032113	Chek1	-0.00514663	0.951002001	0.98313747
ENSMUSG00000039789	Zfp597	-0.003920658	0.951600611	0.98313747
ENSMUSG00000040298	Btbd16	-0.00288767	0.951631325	0.98313747
ENSMUSG00000053178	Mterf1b	-0.004583872	0.951668947	0.98313747
ENSMUSG00000053181	A830005F24Rik	-0.003586202	0.951793582	0.98313747
ENSMUSG00000069020	Urm1	-0.004870553	0.951711723	0.98313747
ENSMUSG00000112516	Gm47968	0.002590537	0.951439482	0.98313747
ENSMUSG00000115018	AL732309.1	0.00352561	0.951769773	0.98313747
ENSMUSG00000049164	Zfp518a	-0.004734326	0.951877802	0.983142705
ENSMUSG00000032562	Gnai2	0.004503747	0.952310448	0.983435204
ENSMUSG00000040648	Ppip5k2	0.004936825	0.952319349	0.983435204
ENSMUSG00000020261	Slc36a1	0.004244369	0.952425288	0.98346284
ENSMUSG00000016427	Ndufa1	0.005379392	0.952591137	0.983470577
ENSMUSG00000021694	Erc8	0.005348167	0.952513676	0.983470577
ENSMUSG00000016481	Cr1l	0.007793489	0.952745916	0.983548622
ENSMUSG00000028127	Abcd3	-0.00474311	0.952959096	0.983645955
ENSMUSG00000040007	Bahd1	0.004218596	0.952998585	0.983645955
ENSMUSG00000027438	Napb	-0.002525142	0.953166625	0.98365592
ENSMUSG00000032869	Psmf1	0.005349297	0.95309343	0.98365592
ENSMUSG00000028687	Mutyh	-0.004756825	0.953665682	0.983762265
ENSMUSG00000030990	Pgap2	-0.005009891	0.953556198	0.983762265
ENSMUSG00000040323	Gm15429	0.000863867	0.953563452	0.983762265

ENSMUSG00000066150	Slc31a1	0.004754947	0.953559842	0.983762265
ENSMUSG00000068735	Trp53i11	0.003189912	0.953589138	0.983762265
ENSMUSG00000049321	Zfp2	0.002948056	0.953848562	0.983862789
ENSMUSG00000110105	Gm45844	-0.00204118	0.953921549	0.983862789
ENSMUSG00000071350	Setdb2	-0.004225676	0.954030856	0.983893828
ENSMUSG00000021265	Slc25a29	-0.015081732	0.954485035	0.984128017
ENSMUSG00000024091	Vapa	-0.008765819	0.954528657	0.984128017
ENSMUSG00000030207	Fam234b	-0.002856216	0.95450799	0.984128017
ENSMUSG00000031628	Casp3	-0.00469792	0.954574861	0.984128017
ENSMUSG00000107071	Gm42420	0.003628063	0.954684886	0.984159762
ENSMUSG00000024978	Gpam	0.003830559	0.954937842	0.984338833
ENSMUSG00000024146	Cript	-0.003421851	0.955070395	0.984393774
ENSMUSG00000090110	Cmc4	0.004481048	0.955571862	0.984828916
ENSMUSG00000009076	Zmat5	0.005135971	0.955668703	0.984847006
ENSMUSG00000014503	Pkd2l2	0.003183594	0.956012582	0.984956228
ENSMUSG00000024613	Tcof1	-0.004485073	0.955978077	0.984956228
ENSMUSG00000115287	Gm49111	-0.002435622	0.955876911	0.984956228
ENSMUSG00000003382	Etv3	-0.003984095	0.957724163	0.985028393
ENSMUSG00000019338	Zfp687	-0.00271624	0.957664016	0.985028393
ENSMUSG00000019428	Fkbp8	0.004754686	0.95687591	0.985028393
ENSMUSG00000019578	Ubxn6	0.004759913	0.957578277	0.985028393
ENSMUSG00000021048	Mthfd1	-0.004637914	0.95662905	0.985028393
ENSMUSG00000021824	Ap3m1	0.004966827	0.956629573	0.985028393
ENSMUSG00000026975	Dph7	0.004841927	0.957409564	0.985028393
ENSMUSG00000028988	Ctnnbip1	-0.004213846	0.95652458	0.985028393
ENSMUSG00000029169	Dhx15	0.004425491	0.957827303	0.985028393
ENSMUSG00000029817	Tra2a	-0.004393931	0.957663599	0.985028393
ENSMUSG00000031668	Eif2ak3	-0.00403165	0.956584937	0.985028393
ENSMUSG00000032952	Ap4b1	0.004794377	0.957436827	0.985028393
ENSMUSG00000035469	Rcbtb1	0.004778638	0.957212086	0.985028393
ENSMUSG00000035517	Tdrd7	0.002160661	0.957556551	0.985028393
ENSMUSG00000037493	Cib2	0.004220871	0.957597943	0.985028393
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ENSMUSG00000039967	Zfp292	-0.004322518	0.957518194	0.985028393
ENSMUSG00000060678	Hist1h4c	-0.003050381	0.957121724	0.985028393
ENSMUSG00000078515	Ddi2	0.005021111	0.956329619	0.985028393
ENSMUSG00000085998	AW822252	0.004385948	0.957083139	0.985028393
ENSMUSG00000102059	Gm20257	0.004809677	0.957079217	0.985028393
ENSMUSG00000111164	Gm47803	0.003433643	0.957671797	0.985028393
ENSMUSG00000035202	Lars2	-0.004374939	0.957995263	0.985119559
ENSMUSG00000034194	R3hcc1	-0.008504592	0.958104292	0.985150117
ENSMUSG00000068245	Phf11d	0.003350666	0.958214956	0.98518235
ENSMUSG00000007570	Fance	0.004524052	0.958562197	0.985301821

ENSMUSG00000052565	Hist1h1d	0.002867924	0.958452986	0.985301821
ENSMUSG00000085281	Gm13316	-0.003393794	0.958569134	0.985301821
ENSMUSG00000010914	Pd hx	-0.004431277	0.9587573	0.985353753
ENSMUSG00000046711	Hmga1	0.003458641	0.958778316	0.985353753
ENSMUSG00000039501	Znfx1	0.003873584	0.959170983	0.985549054
ENSMUSG00000074527	Gm14296	-0.003893875	0.959206386	0.985549054
ENSMUSG00000089929	Bcl2a1b	0.002436301	0.959093797	0.985549054
ENSMUSG00000111635	Gm47240	0.002789687	0.959294566	0.985558131
ENSMUSG00000071715	Ncf4	-0.000792892	0.959540101	0.985728856
ENSMUSG00000013878	Rnf170	0.004393942	0.959950588	0.985936944
ENSMUSG00000021819	Zswim8	-0.002914903	0.959924113	0.985936944
ENSMUSG00000091228	Gm20390	0.002822275	0.959980791	0.985936944
ENSMUSG00000038206	Fbxo8	-0.004247037	0.960072355	0.985949461
ENSMUSG00000021900	Btd	-0.003932789	0.960497752	0.98607163
ENSMUSG00000026279	Thap4	0.004395031	0.960588255	0.98607163
ENSMUSG00000036854	Hspb6	0.002843857	0.960538671	0.98607163
ENSMUSG00000048439	Nupl2	-0.007016515	0.960456544	0.98607163
ENSMUSG00000074826	Gm10767	-0.002460387	0.960485472	0.98607163
ENSMUSG00000056698	Elmod3	-0.004057987	0.960922545	0.986333273
ENSMUSG00000002257	Def6	0.007560682	0.961109532	0.986443686
ENSMUSG00000020079	Supv3l1	0.003044736	0.961384297	0.986644166
ENSMUSG00000032688	Malt1	0.003785593	0.961517202	0.986699039
ENSMUSG00000031616	Ednra	-0.002286618	0.961941917	0.986971795
ENSMUSG00000040441	Slc26a10	0.004038367	0.961905359	0.986971795
ENSMUSG00000008976	Gabpa	0.004319021	0.962065209	0.987016764
ENSMUSG00000000028	Cdc45	-0.003741148	0.963017599	0.987235404
ENSMUSG00000002602	Axl	0.002369946	0.962629095	0.987235404
ENSMUSG00000027784	Ppm1l	-0.001441381	0.963073134	0.987235404
ENSMUSG00000032077	Bud13	-0.005239286	0.96288343	0.987235404
ENSMUSG00000033880	Lgals3bp	-0.003254721	0.962606422	0.987235404
ENSMUSG00000046027	Stard5	-0.003920401	0.962493711	0.987235404
ENSMUSG00000055137	Sugct	0.003125572	0.962942952	0.987235404
ENSMUSG00000066122	Olfr45	0.002295841	0.962836574	0.987235404
ENSMUSG00000070923	Klhl9	0.00403801	0.962870706	0.987235404
ENSMUSG00000098789	Jmjd7	-0.003708572	0.962842875	0.987235404
ENSMUSG00000022270	Retreg1	-0.003542972	0.963636364	0.987341161
ENSMUSG00000027514	Zbp1	-0.002295524	0.963971199	0.987341161
ENSMUSG00000034987	Hrh2	-0.003420352	0.963932284	0.987341161
ENSMUSG00000040511	Pvr	0.003456251	0.963306891	0.987341161
ENSMUSG00000042644	Itpr3	-0.002718135	0.963757561	0.987341161
ENSMUSG00000048234	Rnf149	0.004331579	0.963796499	0.987341161
ENSMUSG00000054843	Atrnl1	0.003105087	0.963908447	0.987341161
ENSMUSG00000062588	Gm6104	-0.002752265	0.963802769	0.987341161

ENSMUSG00000064358	mt-Co3	0.002399465	0.963679314	0.987341161
ENSMUSG00000098022	Zfp82	-0.002267479	0.96376672	0.987341161
ENSMUSG00000024666	Tmem138	-0.003961309	0.964090386	0.987381818
ENSMUSG00000011254	Thg1l	-0.003370294	0.964479559	0.987454715
ENSMUSG00000021072	Tmx1	0.004077066	0.964284253	0.987454715
ENSMUSG00000038827	Fam206a	0.003987138	0.964414616	0.987454715
ENSMUSG00000082095	Gm11991	-0.002692933	0.96435251	0.987454715
ENSMUSG00000022961	Son	-0.003614844	0.964640358	0.987456559
ENSMUSG00000048281	Dleu7	-0.002432439	0.964630822	0.987456559
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ENSMUSG00000033916	Chmp2a	-7.04E-05	0.96595999	0.988409766
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ENSMUSG00000038366	Lasp1	-0.00160133	0.966806526	0.988849426
ENSMUSG00000115637	Gm30970	-0.002695128	0.966876763	0.988849426
ENSMUSG00000058254	Tspan7	-0.002927798	0.966961706	0.988854878
ENSMUSG00000032449	Slc25a36	0.003145675	0.967193164	0.98901015
ENSMUSG00000030967	Zranb1	-0.003217055	0.967384669	0.989124545
ENSMUSG00000022359	Wdyhv1	-0.003290089	0.967498472	0.989159479
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ENSMUSG00000029577	Ube3b	-0.003319369	0.968057267	0.98956788
ENSMUSG00000018428	Akap1	0.003614706	0.968348479	0.989657703
ENSMUSG00000040147	Maob	-0.002088181	0.968384165	0.989657703
ENSMUSG00000055334	Snupn	0.003506677	0.968352369	0.989657703
ENSMUSG00000022244	Amacr	0.003551197	0.968611486	0.989727153
ENSMUSG00000029500	Pgam5	-0.003086363	0.968605515	0.989727153
ENSMUSG00000026134	Prim2	-0.002707701	0.968966563	0.9899271
ENSMUSG00000029575	Mmab	0.003503567	0.968962913	0.9899271
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ENSMUSG00000026827	Gpd2	0.001905719	0.969253193	0.989936825
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ENSMUSG00000049354	Dcaf7	0.003108828	0.971800607	0.991455505
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ENSMUSG00000027610	Gss	0.001019865	0.991608932	0.996877082
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ENSMUSG00000072115	Ang	-0.000656283	0.991894166	0.996943979
ENSMUSG00000078974	Sec61g	0.000439167	0.992128212	0.996943979
ENSMUSG00000055653	Gpc3	-0.000554452	0.992211535	0.996947054
ENSMUSG00000001403	Ube2c	-0.00061609	0.992686432	0.997151886
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ENSMUSG00000005893	Nr2c2	-0.000424422	0.994021561	0.997233003
ENSMUSG00000022973	Synj1	-0.000323315	0.993692075	0.997233003
ENSMUSG00000023143	Nagpa	1.75E-05	0.993643403	0.997233003
ENSMUSG00000032514	Ttc21a	0.000508486	0.993214533	0.997233003
ENSMUSG00000032606	Nicn1	-0.000324012	0.993941919	0.997233003
ENSMUSG00000040189	Ccdc114	-0.000584346	0.993029224	0.997233003
ENSMUSG00000041075	Fzd7	-0.000200635	0.993968341	0.997233003
ENSMUSG00000049561	Olfr95	0.000458915	0.99328808	0.997233003
ENSMUSG00000052137	Rbm12b2	-0.000443819	0.99372979	0.997233003
ENSMUSG00000056671	Preli2	0.0008813	0.993085823	0.997233003
ENSMUSG00000059183	Mtfmt	0.000819216	0.993949233	0.997233003
ENSMUSG00000115933	CT571246.1	0.000574774	0.993518048	0.997233003
ENSMUSG00000117310	Ptp4a1	-0.000723755	0.993681536	0.997233003
ENSMUSG00000117522	AC087233.2	-0.000445783	0.993759165	0.997233003
ENSMUSG00000020492	Ska2	0.000748265	0.994137679	0.997268948
ENSMUSG00000045106	Ccdc73	0.000432964	0.994310997	0.997285445

ENSMUSG00000063049	Ing2	0.000793982	0.994314705	0.997285445
ENSMUSG00000030815	Phkg2	5.11E-05	0.994683218	0.997574506
ENSMUSG00000029484	Anxa3	0.000881689	0.994796005	0.99760707
ENSMUSG00000109196	Gm44715	-0.000144846	0.99495315	0.99768411
ENSMUSG00000013275	Slc41a1	0.000646082	0.995213772	0.997688954
ENSMUSG00000030735	Gm9755	-0.00010621	0.995359594	0.997688954
ENSMUSG00000035439	Haus8	-0.000286548	0.995280968	0.997688954
ENSMUSG00000039018	Mtg1	0.000642566	0.995206113	0.997688954
ENSMUSG00000058672	Tubb2a	-0.000375354	0.995075404	0.997688954
ENSMUSG00000020430	Pes1	-0.000113648	0.995994698	0.998244988
ENSMUSG00000002107	Celf2	-0.002017588	0.99690654	0.998353312
ENSMUSG00000010721	Lmbr1	-9.61E-05	0.996299711	0.998353312
ENSMUSG00000021902	Phf7	-0.000300356	0.996353664	0.998353312
ENSMUSG00000022802	Lmln	-6.09E-05	0.996899459	0.998353312
ENSMUSG00000027206	Cops2	0.000527975	0.99689607	0.998353312
ENSMUSG00000036403	Cep135	-0.000120307	0.996518832	0.998353312
ENSMUSG00000039934	Gsap	-0.000188212	0.996431751	0.998353312
ENSMUSG00000040749	Siah1b	-0.00016554	0.996770408	0.998353312
ENSMUSG00000048550	Thns1	5.91E-05	0.996793054	0.998353312
ENSMUSG00000052605	Isoc2b	-0.000193077	0.996803538	0.998353312
ENSMUSG00000029405	G3bp2	-0.000877025	0.997124626	0.998491211
ENSMUSG00000015968	Cacna1d	-1.74E-05	0.997333102	0.998619465
ENSMUSG00000023411	Nfatc4	0.000268551	0.997461941	0.998644756
ENSMUSG00000026721	Rabgap1l	-0.000126085	0.997590813	0.998644756
ENSMUSG00000062619	2310039H08Rik	0.000125739	0.997599559	0.998644756
ENSMUSG00000031642	Sh3rf1	0.00026923	0.997750959	0.998715824
ENSMUSG00000046229	Scand1	-9.83E-05	0.997860286	0.998744771
ENSMUSG00000043019	Edem3	1.62E-05	0.998032505	0.998836656
ENSMUSG00000027324	Rpusd2	0.000315012	0.998383569	0.999027013
ENSMUSG00000071650	Ganab	-0.005528739	0.998367885	0.999027013
ENSMUSG00000020078	Vps26a	0.000622466	0.998595855	0.999158943
ENSMUSG00000005371	Fbxo11	0.000100695	0.998837368	0.999300808
ENSMUSG00000023034	Nr4a1	8.37E-05	0.999078203	0.999300808
ENSMUSG00000025645	Ccdc51	3.52E-05	0.999300808	0.999300808
ENSMUSG00000028136	Snx27	0.000183261	0.999271314	0.999300808
ENSMUSG00000041827	Oasl1	0.00010913	0.999055054	0.999300808
ENSMUSG00000046691	Chtf8	0.000108858	0.999252982	0.999300808
ENSMUSG00000047710	Champ1	6.40E-05	0.998971826	0.999300808