

Gene	Log fold ch	p-value	adjusted p-value
Igfbp7	1.575663	2.02E-299	3.02E-295
Ctla2a	2.554358	1.39E-256	1.04E-252
Mgp	2.620874	2.70E-215	1.01E-211
Slc2a1	1.206362	2.67E-232	1.33E-228
Tmem252	2.832557	1.92E-181	4.10E-178
Cd200	1.672667	1.71E-171	3.21E-168
Ly6a	1.274136	9.38E-184	2.34E-180
Pim3	2.255491	2.41E-143	3.61E-140
Mal	1.845718	1.76E-142	2.39E-139
Ucp2	2.128851	1.85E-130	2.13E-127
Ly6c1	1.030471	1.56E-134	1.95E-131
Fos	2.125714	9.36E-125	1.00E-121
Acer2	1.779975	1.40E-114	1.16E-111
Rps11	0.966105	2.56E-116	2.55E-113
Lrg1	5.77876	2.03E-104	1.17E-101
Id1	1.195839	1.81E-113	1.43E-110
Ifitm3	1.089819	3.05E-113	2.28E-110
Klf2	1.071792	5.80E-111	4.13E-108
Rps16	0.896973	7.67E-111	5.22E-108
Cebpd	2.128461	1.41E-102	7.81E-100
Vwf	2.379774	2.91E-100	1.55E-97
H2-K1	1.110946	4.12E-100	2.13E-97
Ccn1	2.37678	9.13E-93	4.41E-90
Fth1	1.286065	2.86E-92	1.34E-89
Junb	1.550773	2.66E-94	1.33E-91
H2-D1	0.959177	5.41E-90	2.32E-87
Ifitm2	1.201461	3.64E-87	1.47E-84
Tmem176b	2.249853	1.85E-84	7.30E-82
Tmem176c	3.296391	1.49E-82	5.58E-80
Ch25h	4.283824	6.92E-82	2.47E-79
Bmpr2	0.960814	4.10E-88	1.71E-85
Rpl18a	0.762774	6.90E-83	2.65E-80
Rpl39	0.805798	5.71E-80	1.99E-77
Slc3a2	0.972996	6.88E-78	2.34E-75
Paqr5	1.154884	3.76E-77	1.25E-74
Rpl10	0.86292	8.78E-76	2.86E-73
Nfkbia	0.903859	5.20E-75	1.66E-72
Tshz2	1.397505	5.95E-73	1.82E-70
Jun	1.258264	5.01E-74	1.56E-71
Fnbp1l	1.225884	9.27E-73	2.77E-70
Cd59a	1.251378	4.47E-72	1.31E-69
Galnt15	2.280795	4.13E-67	1.10E-64
Fau	0.60406	3.20E-71	9.20E-69
Ecscr	1.338235	3.24E-67	8.81E-65
Ybx1	0.806337	3.55E-68	9.84E-66
Hmgcs2	1.558926	1.40E-65	3.50E-63

Fam110d	1.303757	1.44E-65	3.54E-63
Rpl23	0.699733	3.24E-66	8.52E-64
Zfp36l2	1.479532	1.24E-63	2.81E-61
Rpl17	0.701217	8.93E-66	2.31E-63
Serinc3	0.689882	1.21E-65	3.06E-63
Fas	1.402924	1.07E-63	2.47E-61
Egr1	1.905757	1.34E-62	2.86E-60
Eef1a1	0.603595	2.65E-65	6.39E-63
Rpl41	0.575904	3.30E-65	7.84E-63
Txnip	1.102576	7.89E-63	1.74E-60
Rps28	0.820091	6.55E-63	1.46E-60
Tgm2	1.43454	1.78E-59	3.60E-57
Rack1	0.743194	7.70E-61	1.60E-58
Zfp36	1.256525	3.15E-59	6.29E-57
Klf4	0.960894	4.12E-59	8.13E-57
Ier2	1.151559	4.19E-58	7.93E-56
Jund	0.945354	1.66E-58	3.23E-56
Rpl32	0.652515	5.60E-58	1.05E-55
B2m	0.715623	2.54E-58	4.88E-56
Id3	0.820913	1.76E-57	3.26E-55
Capg	1.781147	1.50E-55	2.63E-53
Rps20	0.669138	3.15E-57	5.75E-55
Rps6	0.892907	3.48E-56	6.27E-54
Rpl36	0.63034	9.10E-56	1.62E-53
Rps8	0.558322	6.45E-55	1.12E-52
Socs3	1.720228	6.87E-53	1.14E-50
Cpe	1.151307	2.84E-53	4.77E-51
Ly6e	0.569036	6.97E-55	1.20E-52
Gadd45g	1.935164	4.27E-51	6.52E-49
Rps18	0.745935	2.26E-52	3.71E-50
Hrct1	1.412488	2.71E-51	4.18E-49
Gpr146	1.224474	2.22E-51	3.48E-49
Cd9	1.358551	1.06E-50	1.58E-48
Bvht	1.243585	9.53E-51	1.44E-48
Rps27	0.554189	4.34E-52	7.07E-50
Vwa1	0.805392	2.23E-51	3.48E-49
Atp8b1	3.287266	2.50E-49	3.57E-47
H3f3b	0.533332	2.05E-50	3.04E-48
Rps15a	0.64416	3.79E-50	5.51E-48
S100a11	0.982059	4.73E-49	6.62E-47
Qsox1	1.7807	8.51E-48	1.16E-45
Rpl19	0.573067	2.89E-49	4.08E-47
Gpx1	1.014952	4.82E-48	6.62E-46
Tpt1	0.471577	2.00E-49	2.88E-47
Adgrg1	1.220118	9.50E-48	1.28E-45
Litaf	2.315999	6.76E-47	8.72E-45
Xdh	1.416622	4.17E-47	5.47E-45

Ier5	1.185525	3.15E-47	4.17E-45
Itm2c	1.227556	1.10E-46	1.39E-44
Rplp0	0.864226	1.35E-46	1.68E-44
Fxyd5	0.693792	6.95E-47	8.89E-45
Scgb3a1	3.641551	6.35E-45	7.55E-43
Rps4x	0.563075	6.41E-47	8.34E-45
Xbp1	1.425899	1.65E-45	2.00E-43
Rps14	0.474868	3.00E-47	4.02E-45
Rpl3	0.678302	5.84E-46	7.16E-44
Ubc	0.656978	9.06E-46	1.10E-43
Ecm1	1.254502	1.03E-44	1.21E-42
Lcn2	5.367746	1.27E-43	1.43E-41
Angptl4	1.82876	3.33E-44	3.80E-42
Gm10076	0.819776	5.00E-45	5.99E-43
Gimap6	1.133518	2.27E-44	2.64E-42
Zbtb16	3.093997	1.59E-43	1.78E-41
Rps15	0.53553	1.04E-44	1.21E-42
Rps5	0.569619	2.99E-44	3.45E-42
Rpl34	0.590205	6.51E-44	7.39E-42
Ier3	1.164815	5.09E-43	5.60E-41
Rpl12	0.661842	6.69E-43	7.31E-41
Rps12	0.530074	3.16E-43	3.50E-41
Fkbp1a	0.890071	2.77E-42	2.97E-40
Fkbp5	2.758914	1.94E-41	1.97E-39
Tbc1d4	1.241005	5.33E-42	5.66E-40
Apold1	1.222058	6.79E-42	7.16E-40
Rpl37a	0.493198	1.42E-42	1.55E-40
Gpcpd1	0.72836	1.23E-41	1.28E-39
Rpl18	0.621171	1.29E-41	1.33E-39
Emp1	1.591343	1.01E-40	9.93E-39
Rpl36a	0.687116	3.30E-41	3.31E-39
Rps23	0.529371	1.38E-41	1.41E-39
Rpl35a	0.509997	1.07E-41	1.12E-39
Rpl13	0.529282	3.82E-41	3.79E-39
Rplp2	0.544954	4.61E-41	4.54E-39
Rpl37	0.498687	3.36E-41	3.35E-39
Tnfrsf1a	1.487004	6.27E-40	6.02E-38
Sult1a1	1.603637	6.46E-40	6.16E-38
Lipa	1.171526	4.97E-40	4.80E-38
Dusp2	3.035198	3.16E-39	2.94E-37
Vcam1	2.614551	3.96E-39	3.57E-37
Lrrc8c	0.966363	7.87E-40	7.41E-38
Rpl22	0.566572	3.23E-40	3.14E-38
Fosb	1.307785	3.71E-39	3.40E-37
Rpl35	0.569359	7.25E-40	6.87E-38
Rpl6	0.574105	1.30E-39	1.22E-37
Abca1	2.57006	2.21E-38	1.98E-36

Rps7	0.614903	3.79E-39	3.44E-37
Rpl7	0.586792	3.73E-39	3.40E-37
Atf3	1.89857	9.62E-38	8.37E-36
Srarp	1.051784	5.04E-38	4.47E-36
Btg2	0.93946	3.88E-38	3.46E-36
Il4ra	2.171115	1.76E-37	1.52E-35
Fam107a	1.305917	1.42E-37	1.23E-35
Serpinb6b	2.106578	3.99E-37	3.41E-35
Eng	0.669667	7.03E-38	6.19E-36
Rps19	0.547123	8.26E-38	7.23E-36
Rpl29	0.597275	5.74E-37	4.88E-35
Igfbp3	1.505971	3.36E-36	2.79E-34
Rpl28	0.515333	1.51E-36	1.27E-34
Dusp1	0.887169	2.72E-36	2.28E-34
Map3k6	2.184076	1.01E-35	8.30E-34
Rpl9	0.436916	2.01E-36	1.69E-34
Spry1	1.304979	1.94E-35	1.56E-33
2200002D	2.661936	4.77E-35	3.76E-33
Epas1	0.468878	4.66E-36	3.85E-34
Rps3	0.535548	1.12E-35	9.15E-34
Eef1b2	0.705621	2.94E-35	2.34E-33
Ahnak	0.576046	2.12E-35	1.70E-33
Rps9	0.527009	1.81E-35	1.46E-33
Rps29	0.430381	1.49E-35	1.21E-33
Rps26	0.593738	3.04E-35	2.40E-33
Plxna2	1.028079	8.15E-35	6.39E-33
Nr4a1	1.461357	2.63E-34	2.03E-32
Rpl14	0.565021	2.39E-34	1.86E-32
Tacc1	0.778157	5.28E-34	4.05E-32
Cpne8	1.34501	1.74E-33	1.32E-31
Stat3	1.001751	2.01E-33	1.50E-31
Podxl	0.629471	1.23E-33	9.34E-32
Sgk1	0.927971	5.35E-33	3.93E-31
Rps24	0.430862	2.01E-33	1.50E-31
Rpl27	0.640534	3.65E-33	2.70E-31
Cfh	1.194994	1.17E-32	8.49E-31
Ramp2	0.568348	4.48E-33	3.31E-31
Ptma	0.388679	7.96E-33	5.81E-31
Rps13	0.520699	2.22E-32	1.60E-30
Icam1	2.493537	1.59E-31	1.12E-29
Gngt2	1.446136	9.03E-32	6.44E-30
Rpl21	0.500262	3.17E-32	2.27E-30
Rpl8	0.445917	1.22E-31	8.63E-30
Bcl2l1	0.859764	4.28E-31	3.01E-29
H2-Q7	1.700956	1.01E-30	7.04E-29
Arid5b	0.789828	4.85E-31	3.40E-29
Rpl26	0.430955	1.06E-30	7.32E-29

Sparc	0.423725	3.52E-30	2.43E-28
Arpc1b	0.678555	7.12E-30	4.89E-28
Plin2	1.126497	2.53E-29	1.71E-27
Alas1	0.871796	2.38E-29	1.62E-27
Igfbp4	2.451263	1.18E-28	7.72E-27
Slc38a5	1.973531	1.27E-28	8.30E-27
Actg1	0.509793	3.82E-29	2.58E-27
Rpl4	0.551744	6.85E-29	4.56E-27
Rpl11	0.439586	4.89E-29	3.27E-27
Prnp	0.699606	9.00E-29	5.96E-27
Tspo	0.653818	1.00E-28	6.63E-27
Kbtbd11	0.876108	1.46E-28	9.45E-27
Gm39822	3.340976	4.57E-28	2.88E-26
Clic1	0.661763	1.92E-28	1.24E-26
Rpl10a	0.605542	2.32E-28	1.49E-26
Gnai2	0.449174	2.37E-28	1.51E-26
Rps27a	0.420898	6.70E-28	4.20E-26
Cdh13	1.772159	2.46E-27	1.52E-25
Klf6	0.7542	2.22E-27	1.38E-25
Serpina3n	5.851294	6.82E-27	4.17E-25
Cmip	1.317802	3.45E-27	2.13E-25
Slco1a4	0.429256	1.41E-27	8.78E-26
Sbno2	1.293996	6.82E-27	4.17E-25
Dusp23	1.816495	1.85E-26	1.11E-24
Tagln2	0.647454	1.04E-26	6.31E-25
Tpm3-rs7	0.896122	1.33E-26	8.06E-25
Hspb8	2.035417	3.36E-26	1.97E-24
Rhob	0.576699	1.88E-26	1.12E-24
Rpl7a	0.542352	1.97E-26	1.17E-24
Gmpr	2.320256	6.42E-26	3.71E-24
Snrk	0.621188	3.30E-26	1.95E-24
Tceal9	0.81632	2.34E-25	1.33E-23
Ttll7	0.97825	2.61E-25	1.47E-23
Tmsb10	0.574234	2.23E-25	1.27E-23
Gadd45b	1.45083	6.01E-25	3.36E-23
Lipe	1.252969	6.83E-25	3.80E-23
Cltb	0.749665	9.81E-25	5.44E-23
Rps21	0.374878	5.49E-25	3.08E-23
Pxn	0.991467	1.25E-24	6.84E-23
S100a6	1.547182	2.37E-24	1.28E-22
Rpsa	0.532557	1.79E-24	9.73E-23
Rpl27a	0.451574	1.56E-24	8.54E-23
1810073O	3.103433	6.60E-24	3.47E-22
Sdcbp	0.709157	3.54E-24	1.89E-22
Rps2	0.574915	3.29E-24	1.76E-22
Cd34	0.502757	3.17E-24	1.71E-22
Slc39a1	1.191571	6.69E-24	3.50E-22

Sema7a	0.655422	6.48E-24	3.42E-22
Rps25	0.425661	4.87E-24	2.58E-22
S100a10	0.997476	1.18E-23	6.14E-22
Lrrc8a	0.96451	1.29E-23	6.64E-22
Hif1a	0.738739	1.27E-23	6.57E-22
Ackr1	4.337975	3.60E-23	1.84E-21
Arpc3	0.519563	1.90E-23	9.78E-22
Cyyr1	0.560619	2.84E-23	1.45E-21
Ctps	2.111262	7.11E-23	3.56E-21
Cp	0.730161	4.76E-23	2.42E-21
2410006H	0.956864	5.60E-23	2.82E-21
Adamts1	0.963648	8.56E-23	4.24E-21
Ptgfrn	1.733974	1.13E-22	5.59E-21
Il1r1	1.87368	1.39E-22	6.79E-21
Rps3a1	0.393809	5.39E-23	2.73E-21
Rab11a	0.592033	7.24E-23	3.61E-21
Rpl31	0.491828	9.20E-23	4.55E-21
Selenop	0.508355	1.18E-22	5.79E-21
Nek7	0.804121	2.09E-22	1.02E-20
Tnfrsf9	3.767273	5.73E-22	2.76E-20
Rai14	0.934508	5.59E-22	2.70E-20
Ctsd	0.806135	5.28E-22	2.56E-20
Tspan4	1.020174	6.27E-22	3.01E-20
Uba52	0.572646	4.91E-22	2.39E-20
Adamts9	2.294119	1.03E-21	4.92E-20
Anxa2	0.613586	1.27E-21	6.04E-20
Shroom2	1.41938	1.91E-21	9.04E-20
Ccdc85a	1.285502	2.25E-21	1.06E-19
Gpr160	1.463148	6.69E-21	3.11E-19
Clec2d	0.517334	4.66E-21	2.18E-19
Rpl30	0.393399	4.96E-21	2.31E-19
Tcim	1.409225	1.01E-20	4.63E-19
Tgfbr2	0.555323	7.44E-21	3.45E-19
Krtcap2	0.598004	9.40E-21	4.33E-19
Btf3	0.456315	9.07E-21	4.19E-19
Serpina3g	4.470401	2.43E-20	1.09E-18
Timp3	0.617819	1.36E-20	6.20E-19
Irf2bp2	0.628585	1.43E-20	6.51E-19
Csrnp1	1.540217	2.17E-20	9.77E-19
Rpl38	0.349974	1.18E-20	5.38E-19
Vim	0.479876	1.49E-20	6.76E-19
Ptgs2	4.903683	3.97E-20	1.77E-18
Synpo	1.887387	5.27E-20	2.31E-18
Pmaip1	1.004056	4.35E-20	1.93E-18
Ifitm1	1.395918	6.23E-20	2.72E-18
Pkp4	0.662828	4.17E-20	1.85E-18
Cavin3	0.712601	4.61E-20	2.04E-18

Lgmn	1.188173	5.63E-20	2.47E-18
Mcf2l	0.662993	4.93E-20	2.17E-18
Ccn2	1.293147	8.55E-20	3.66E-18
S100a1	0.770898	6.39E-20	2.77E-18
Aqp11	0.777748	6.91E-20	2.99E-18
Nsa2	0.768365	9.09E-20	3.88E-18
Msn	0.484455	7.81E-20	3.36E-18
Crip1	0.547436	8.55E-20	3.66E-18
Mmrn2	0.673799	1.21E-19	5.14E-18
Heg1	0.565017	1.18E-19	4.99E-18
Sox18	0.660518	1.56E-19	6.56E-18
Pttg1ip	0.636871	1.60E-19	6.71E-18
Atp1b3	0.642524	2.38E-19	9.93E-18
Rras	0.551139	2.54E-19	1.05E-17
Clic4	0.425039	2.92E-19	1.21E-17
Srgn	0.469826	3.05E-19	1.26E-17
Hspb1	0.531936	3.42E-19	1.40E-17
Rps17	0.371126	3.09E-19	1.27E-17
Cd93	0.521296	3.59E-19	1.46E-17
Lims2	0.749724	5.34E-19	2.17E-17
Arl15	0.797403	6.34E-19	2.57E-17
Fosl2	1.105548	7.49E-19	3.02E-17
Acacb	1.27837	8.25E-19	3.32E-17
Itm2b	0.29409	6.42E-19	2.60E-17
Rpl23a	0.452457	8.60E-19	3.44E-17
Olfr1372-p	0.91582	1.10E-18	4.40E-17
Sh3bp5	0.975594	1.20E-18	4.74E-17
Sik1	0.903265	1.38E-18	5.40E-17
Mcl1	0.492125	1.13E-18	4.46E-17
Uqcrh	0.428858	1.23E-18	4.86E-17
App	0.29564	1.12E-18	4.46E-17
Rpl24	0.5507	1.50E-18	5.83E-17
Eef2	0.426602	1.47E-18	5.73E-17
S1pr1	0.42813	1.48E-18	5.76E-17
Cox7a2l	0.505973	1.93E-18	7.47E-17
Rpl15	0.507924	2.02E-18	7.78E-17
Fam117b	0.834331	2.86E-18	1.10E-16
Anxa7	0.702717	3.31E-18	1.26E-16
Klf3	0.643925	3.82E-18	1.45E-16
Adipor2	0.623373	4.78E-18	1.81E-16
Midn	0.779182	5.26E-18	1.99E-16
Lpl	2.839778	7.74E-18	2.90E-16
Sertad1	1.033539	6.19E-18	2.33E-16
Ppp1r15a	1.047078	8.17E-18	3.05E-16
Smad7	0.589762	7.36E-18	2.76E-16
Nfkbiz	1.434361	9.49E-18	3.53E-16
Gde1	0.812107	9.06E-18	3.37E-16

Bcr	1.006253	1.12E-17	4.13E-16
Il6ra	1.926822	1.46E-17	5.31E-16
Serpinb1a	1.764627	1.48E-17	5.40E-16
Ctsl	0.592574	1.15E-17	4.21E-16
Ctsb	0.641036	1.21E-17	4.43E-16
Naca	0.390892	1.12E-17	4.13E-16
Rbm3	0.487173	1.32E-17	4.83E-16
Serpinb9	1.068106	1.85E-17	6.68E-16
Arl6ip5	0.605227	1.70E-17	6.16E-16
Gm26532	0.99649	2.04E-17	7.36E-16
Flot1	1.102356	2.28E-17	8.17E-16
Gng5	0.401813	2.12E-17	7.60E-16
2810025M	0.777275	2.52E-17	8.97E-16
Rnd1	2.386156	3.39E-17	1.19E-15
Eci2	0.76081	2.60E-17	9.25E-16
Stt3b	0.852971	2.76E-17	9.80E-16
Pecam1	0.382663	2.33E-17	8.32E-16
Rplp1	0.282944	2.87E-17	1.01E-15
Tmsb4x	0.231262	2.89E-17	1.02E-15
Mrpl52	0.695951	5.27E-17	1.85E-15
Mat2a	0.557878	5.27E-17	1.85E-15
Kcna5	2.195582	1.10E-16	3.79E-15
Pglyrp1	0.521876	8.69E-17	3.03E-15
Eif3f	0.453254	9.15E-17	3.18E-15
Rhoj	0.611495	1.31E-16	4.50E-15
Tnfrsf12a	1.325899	1.60E-16	5.45E-15
Osmr	0.803801	1.70E-16	5.78E-15
Clip1	0.600807	1.95E-16	6.61E-15
Tnfaip8l1	1.726253	2.50E-16	8.46E-15
Pnp	0.794728	3.03E-16	1.02E-14
Nr1d1	0.781814	3.04E-16	1.02E-14
Adarb1	1.463458	4.24E-16	1.42E-14
Nde1	0.99903	3.82E-16	1.28E-14
Lysmd2	0.725526	3.61E-16	1.21E-14
Steap3	1.419364	4.87E-16	1.62E-14
Rpl5	0.411395	3.79E-16	1.27E-14
Cox5a	0.461259	4.69E-16	1.56E-14
Il17ra	2.0065	6.41E-16	2.10E-14
St3gal1	1.017885	5.95E-16	1.96E-14
Pabpc1	0.531064	5.51E-16	1.82E-14
Klf13	0.503626	6.29E-16	2.07E-14
Dab2	0.771004	7.75E-16	2.53E-14
Klf9	0.481688	7.74E-16	2.53E-14
Rpsa-ps10	0.533644	8.64E-16	2.81E-14
Rpl22l1	0.49612	9.49E-16	3.07E-14
Gimap4	1.765013	1.29E-15	4.12E-14
Pla2g4a	1.899275	1.60E-15	5.12E-14

Dock9	0.48253	1.25E-15	4.01E-14
Csnk1a1	0.447913	1.25E-15	4.02E-14
Gm8420	1.200982	1.62E-15	5.15E-14
Gabarap	0.453324	1.61E-15	5.14E-14
Cebpb	1.187518	2.04E-15	6.46E-14
H1f2	0.739131	2.23E-15	7.04E-14
Cadm3	3.493587	3.05E-15	9.59E-14
Smad1	0.665941	2.44E-15	7.69E-14
Cracr2b	0.690121	3.09E-15	9.68E-14
Rhoc	0.541863	3.17E-15	9.91E-14
Ubal2	0.722591	3.58E-15	1.12E-13
Nectin2	1.244382	4.40E-15	1.36E-13
Nfe2l2	0.673581	4.57E-15	1.41E-13
Tsc22d3	0.514828	4.95E-15	1.53E-13
Rap1b	0.490841	5.98E-15	1.84E-13
Cdkn2d	0.920959	6.88E-15	2.11E-13
Tcf23	2.476343	8.51E-15	2.57E-13
Zfas1	0.966143	7.63E-15	2.32E-13
Fam189a2	1.17185	7.70E-15	2.33E-13
Cdc42ep4	0.832443	7.65E-15	2.32E-13
Med13l	0.650036	7.48E-15	2.28E-13
B4galt4	0.783909	9.42E-15	2.84E-13
Csf2rb	4.961936	1.41E-14	4.21E-13
Npdc1	0.888978	1.21E-14	3.63E-13
Emilin1	2.261756	1.81E-14	5.35E-13
Carhsp1	1.318034	1.91E-14	5.64E-13
Txn1	0.434258	1.71E-14	5.09E-13
Myh9	0.407855	1.75E-14	5.21E-13
Ckap4	0.937868	2.13E-14	6.29E-13
Cyb561	2.86296	2.88E-14	8.40E-13
Pkig	0.512104	2.54E-14	7.42E-13
Lima1	0.538676	3.56E-14	1.03E-12
BC028528	0.54434	3.92E-14	1.13E-12
Hpcal1	0.7998	4.72E-14	1.35E-12
St6galnac2	0.632298	4.72E-14	1.35E-12
Sox17	0.467909	4.74E-14	1.35E-12
Hnrnpa0	0.510769	5.69E-14	1.61E-12
Cd81	0.373811	5.42E-14	1.55E-12
Bcl3	1.59451	6.95E-14	1.96E-12
Col4a2	0.452265	6.03E-14	1.71E-12
Ccny	0.542981	6.46E-14	1.82E-12
Scn1b	1.669255	8.18E-14	2.29E-12
Ppp1r9b	0.831292	7.67E-14	2.15E-12
Ndufa6	0.454848	7.26E-14	2.04E-12
Ssr4	0.587635	9.35E-14	2.60E-12
1810037l1	0.400206	8.71E-14	2.42E-12
Sting1	2.138671	1.20E-13	3.32E-12

Serpinb6a	0.561012	1.07E-13	2.95E-12
Per1	0.913895	1.24E-13	3.39E-12
Elk3	0.532926	1.31E-13	3.58E-12
Adgrl4	0.335407	1.22E-13	3.36E-12
Fabp4	2.628277	1.68E-13	4.57E-12
Meox1	1.42231	1.63E-13	4.45E-12
Plpp1	0.944341	1.68E-13	4.57E-12
Ankrd13a	0.708025	1.67E-13	4.57E-12
Abrac1	0.887388	1.76E-13	4.78E-12
Bnip3	0.663657	1.87E-13	5.06E-12
Slc12a7	1.174772	2.25E-13	6.08E-12
Aprt	0.891191	2.61E-13	7.05E-12
Ctla2b	2.017544	2.98E-13	8.02E-12
Ldb2	1.211187	3.61E-13	9.66E-12
Rdx	0.383586	3.24E-13	8.70E-12
Il2rg	1.904907	4.88E-13	1.30E-11
Lamp2	0.607645	4.41E-13	1.18E-11
Sp3	0.58794	4.44E-13	1.18E-11
Cnot6	0.543838	4.60E-13	1.22E-11
Ptp4a2	0.434723	4.92E-13	1.30E-11
Sorbs3	0.857597	5.59E-13	1.48E-11
Eif4ebp1	1.189281	6.33E-13	1.67E-11
Dcun1d3	0.802549	6.65E-13	1.75E-11
Ralb	0.720568	6.78E-13	1.78E-11
Plscr3	0.863683	6.89E-13	1.81E-11
Slco2b1	0.650789	6.66E-13	1.75E-11
Ehd1	0.933129	7.80E-13	2.04E-11
Myliip	1.179241	8.85E-13	2.31E-11
A4galt	0.833053	1.04E-12	2.69E-11
Wasf2	0.412247	9.64E-13	2.51E-11
Mrtfb	0.476336	1.03E-12	2.69E-11
Gm30571	1.717706	1.29E-12	3.32E-11
Hilpda	1.305581	1.28E-12	3.29E-11
Clca3a1	3.981993	1.46E-12	3.76E-11
Tbc1d15	0.796717	1.50E-12	3.85E-11
F11r	0.591271	1.56E-12	4.00E-11
Klhl2	0.725151	1.68E-12	4.30E-11
Cirbp	0.519008	1.62E-12	4.15E-11
Slc29a1	1.001647	1.80E-12	4.60E-11
Rps10	0.406972	2.21E-12	5.62E-11
Mxd4	0.44828	2.38E-12	6.02E-11
Hspa5	0.431801	2.67E-12	6.74E-11
Vmp1	0.937764	3.06E-12	7.72E-11
Ing2	0.81723	3.33E-12	8.38E-11
Hipk1	0.558318	3.76E-12	9.44E-11
H2-Q4	0.677739	3.88E-12	9.74E-11
Plekho1	1.822524	4.35E-12	1.08E-10

Casp4	2.402408	4.49E-12	1.11E-10
Fam13c	0.538974	4.20E-12	1.05E-10
Gclm	0.580877	4.27E-12	1.06E-10
Prrt4	0.914766	4.56E-12	1.12E-10
Pfdn5	0.313496	4.32E-12	1.07E-10
Rnase4	0.811766	5.40E-12	1.32E-10
H1f0	0.629204	5.35E-12	1.32E-10
Blvrb	0.695692	5.42E-12	1.33E-10
Rnf103	0.623253	5.64E-12	1.38E-10
Cd47	0.422548	5.44E-12	1.33E-10
Rhoa	0.292327	5.74E-12	1.40E-10
Edn1	0.741695	7.16E-12	1.74E-10
Rgs16	1.480488	8.17E-12	1.98E-10
Trim37	0.916115	8.37E-12	2.02E-10
Aldh2	0.399612	8.33E-12	2.01E-10
Plec	0.496249	8.56E-12	2.06E-10
Rassf4	0.973219	9.44E-12	2.27E-10
Mbnl2	0.428527	1.09E-11	2.60E-10
Rpl13a	0.492805	1.16E-11	2.77E-10
Imp3	0.60394	1.21E-11	2.87E-10
2500002B	1.820164	1.32E-11	3.13E-10
Ndufc2	0.431521	1.18E-11	2.82E-10
Ildr2	1.153108	1.46E-11	3.45E-10
Tmed10	0.373327	1.32E-11	3.13E-10
Avpi1	0.998981	1.48E-11	3.50E-10
Cdc42ep3	0.598182	1.56E-11	3.67E-10
Nck1	0.577323	1.54E-11	3.61E-10
Eif3h	0.413399	1.50E-11	3.55E-10
Ostf1	0.463832	1.63E-11	3.83E-10
Net1	0.676915	1.69E-11	3.95E-10
Map1lc3b	0.406365	1.71E-11	4.00E-10
Tmem159	0.838355	1.92E-11	4.47E-10
Prex2	0.461869	2.00E-11	4.66E-10
Spop	0.443293	2.36E-11	5.47E-10
Prorp	1.173154	2.81E-11	6.46E-10
Insr	0.489153	3.00E-11	6.89E-10
Ctsa	0.801145	3.28E-11	7.49E-10
Leprot	0.55049	3.34E-11	7.61E-10
Adgrl3	0.92928	3.55E-11	8.06E-10
Mrpl30	0.618926	3.54E-11	8.05E-10
Fn1	0.295247	3.78E-11	8.53E-10
Kdelr1	0.578182	4.17E-11	9.38E-10
Ninj1	0.842617	4.39E-11	9.86E-10
Ccnd1	0.759984	4.66E-11	1.05E-09
Ccdc85b	0.359769	4.72E-11	1.06E-09
Eif3e	0.469876	5.07E-11	1.13E-09
Eif3k	0.434904	5.68E-11	1.27E-09

Kctd12	0.536126	5.95E-11	1.33E-09
Mall	1.030332	6.47E-11	1.44E-09
Tmem189	0.898649	6.87E-11	1.52E-09
Maff	1.208237	7.30E-11	1.62E-09
Mir22hg	1.90382	8.58E-11	1.89E-09
Arpc2	0.326178	7.61E-11	1.68E-09
Vamp5	0.529261	8.33E-11	1.84E-09
Bex3	0.664716	8.68E-11	1.91E-09
Sptlc2	0.661427	1.03E-10	2.25E-09
Ppic	0.714878	1.09E-10	2.37E-09
Rin3	1.015817	1.24E-10	2.71E-09
Lrp5	0.763882	1.28E-10	2.78E-09
Cyp2d22	0.536155	1.29E-10	2.80E-09
Gjc1	0.485799	1.38E-10	2.98E-09
Ech1	0.435865	1.37E-10	2.98E-09
Sdk2	2.672341	1.75E-10	3.76E-09
Pnpla2	0.619418	1.63E-10	3.50E-09
Plxnb2	1.002049	1.74E-10	3.74E-09
Map3k8	1.167396	1.85E-10	3.94E-09
Rac1	0.33183	1.77E-10	3.79E-09
Nid1	0.586883	1.87E-10	3.98E-09
Actn1	0.525035	1.86E-10	3.96E-09
Card19	0.579554	2.14E-10	4.55E-09
Sem1	0.33056	2.27E-10	4.80E-09
Myl12b	0.409869	2.33E-10	4.92E-09
Bhlhe40	0.474921	2.43E-10	5.11E-09
Syng2	0.743449	2.66E-10	5.60E-09
Acvrl1	0.347052	2.72E-10	5.70E-09
Adcy4	0.778797	2.90E-10	6.07E-09
Ppfibp1	0.412146	2.98E-10	6.22E-09
Ugcg	1.225637	4.19E-10	8.75E-09
Zbtb7a	0.474621	4.28E-10	8.92E-09
Morf4l1	0.295006	4.80E-10	9.96E-09
Sh3bgrl3	0.370221	5.04E-10	1.04E-08
Cd14	3.596764	6.26E-10	1.29E-08
Myrip	0.966437	5.84E-10	1.20E-08
Akap13	0.414921	5.63E-10	1.16E-08
Depp1	0.565341	6.63E-10	1.36E-08
Lrp10	0.59241	6.57E-10	1.35E-08
Cpt2	1.157295	7.08E-10	1.44E-08
Ppp1r2	0.385568	6.90E-10	1.41E-08
Clec14a	0.709947	7.68E-10	1.56E-08
Rassf1	0.570042	8.10E-10	1.64E-08
Doc2b	1.931885	8.79E-10	1.77E-08
Flt4	0.610705	8.55E-10	1.73E-08
Coq10b	0.691441	9.99E-10	2.01E-08
Ubl3	0.370174	1.08E-09	2.16E-08

Acaa2	0.543478	1.20E-09	2.40E-08
Aoc3	0.983634	1.31E-09	2.60E-08
Mtch1	0.471393	1.29E-09	2.57E-08
Lmbr1	1.120798	1.39E-09	2.75E-08
Wnt5a	1.960314	1.47E-09	2.90E-08
Laptn4a	0.268616	1.31E-09	2.60E-08
Pold4	0.736607	1.51E-09	2.97E-08
Cd302	1.100798	1.56E-09	3.06E-08
Casp8	0.800447	1.53E-09	3.01E-08
Acadl	0.529657	1.52E-09	3.00E-08
Sod2	0.54854	1.56E-09	3.06E-08
Sema3g	0.730505	1.58E-09	3.09E-08
Ptges	1.833036	1.67E-09	3.27E-08
Nek6	1.497679	1.74E-09	3.40E-08
H2az1	0.329739	1.61E-09	3.16E-08
Gm49708	1.887039	2.15E-09	4.15E-08
Cstb	0.550958	2.03E-09	3.95E-08
Fam43a	0.839041	2.09E-09	4.04E-08
Use1	0.445697	2.07E-09	4.02E-08
Tmod3	0.391005	2.13E-09	4.12E-08
Mrps24	0.482521	2.17E-09	4.18E-08
Birc3	1.185921	2.30E-09	4.41E-08
P4hb	0.472308	2.21E-09	4.26E-08
Dad1	0.375598	2.27E-09	4.37E-08
Pfn1	0.315743	2.28E-09	4.37E-08
Ndst1	0.607287	2.40E-09	4.59E-08
Vars	1.149172	2.50E-09	4.78E-08
Sod1	0.362891	2.66E-09	5.07E-08
Procr	1.229086	2.95E-09	5.59E-08
Orai1	0.609026	2.87E-09	5.45E-08
Plekho2	1.267536	2.99E-09	5.65E-08
Cdc14a	0.742442	3.27E-09	6.18E-08
Gimap5	0.811665	3.46E-09	6.50E-08
Mctp1	2.794585	3.92E-09	7.31E-08
Ppp1r18	0.78734	3.72E-09	6.97E-08
Vps28	0.447136	3.66E-09	6.85E-08
Eif1a	0.681329	3.89E-09	7.27E-08
Jak3	1.6112	4.04E-09	7.52E-08
Ccdc141	0.377655	4.02E-09	7.50E-08
Mamstr	1.343049	4.32E-09	8.04E-08
Txndc17	0.445515	4.92E-09	9.15E-08
Gatm	0.546791	4.99E-09	9.26E-08
Gda	2.18283	5.43E-09	1.00E-07
Picalm	0.374661	5.01E-09	9.29E-08
Gm12866	1.262138	5.43E-09	1.00E-07
Jam2	0.366754	5.32E-09	9.83E-08
H2-T23	0.457443	5.52E-09	1.01E-07

Cln6	1.657776	6.42E-09	1.17E-07
Ciart	1.758729	6.57E-09	1.20E-07
Rara	0.902476	6.60E-09	1.20E-07
Lpcat3	0.699736	6.94E-09	1.26E-07
Slc30a1	0.368342	7.25E-09	1.31E-07
Kctd17	0.873902	8.10E-09	1.46E-07
Entpd1	0.522274	8.16E-09	1.47E-07
Ctsz	0.514912	8.18E-09	1.47E-07
Gstt2	0.727484	8.43E-09	1.51E-07
Arhgap26	0.821891	8.50E-09	1.52E-07
Vat1	0.416932	8.72E-09	1.56E-07
2210408F2	1.545609	9.64E-09	1.71E-07
Cyth1	0.828495	9.51E-09	1.70E-07
Tubb5	0.339793	9.61E-09	1.71E-07
Arhgef3	0.6213	1.03E-08	1.83E-07
Gimap1	0.469729	1.06E-08	1.87E-07
Gcnt2	0.442072	1.07E-08	1.89E-07
Ercc1	0.989476	1.19E-08	2.09E-07
Kdsr	0.722939	1.17E-08	2.07E-07
Dbp	0.614382	1.18E-08	2.09E-07
Prr13	0.597342	1.27E-08	2.23E-07
Smad6	0.955862	1.38E-08	2.40E-07
Ccnl1	0.464575	1.34E-08	2.35E-07
Cds2	0.483485	1.74E-08	3.02E-07
Ptbp3	0.36205	1.78E-08	3.09E-07
Rab12	0.426017	1.82E-08	3.15E-07
Pde4b	0.777218	1.87E-08	3.23E-07
Ctsw	1.387712	2.10E-08	3.62E-07
Trappc6a	0.76867	2.08E-08	3.58E-07
Nop53	0.402851	2.05E-08	3.53E-07
Fryl	0.337412	2.14E-08	3.68E-07
Tcn2	0.605903	2.29E-08	3.93E-07
Gas5	0.334058	2.30E-08	3.95E-07
Fbxw2	0.499335	2.57E-08	4.37E-07
Dap	0.722955	2.68E-08	4.55E-07
Manf	0.491137	2.65E-08	4.50E-07
Mtmr11	1.141818	2.80E-08	4.75E-07
Asap1	0.508356	2.79E-08	4.73E-07
Tsc22d4	0.608569	2.83E-08	4.79E-07
Pxdc1	0.800429	2.90E-08	4.89E-07
Csf1	1.070016	2.98E-08	5.02E-07
Snhg8	0.457312	3.04E-08	5.10E-07
Eif1	0.18634	3.16E-08	5.30E-07
Ltc4s	1.504688	3.56E-08	5.96E-07
Pard3	0.561665	3.74E-08	6.23E-07
Pik3ip1	0.59059	3.77E-08	6.28E-07
Egr3	1.388554	3.95E-08	6.56E-07

Eif3i	0.5023	4.03E-08	6.69E-07
Unc45b	0.648139	4.05E-08	6.72E-07
Tpm4	0.323228	3.98E-08	6.61E-07
Rasip1	0.338274	4.00E-08	6.64E-07
Fmn12	0.714515	4.21E-08	6.95E-07
C1ra	2.296424	4.49E-08	7.38E-07
Spaar	0.571424	4.32E-08	7.12E-07
Nsmce1	0.578182	4.43E-08	7.28E-07
Pcnx	0.485141	4.72E-08	7.74E-07
Wwc2	0.352101	4.74E-08	7.76E-07
Tmbim1	0.609262	4.95E-08	8.10E-07
Spns2	0.893344	5.30E-08	8.65E-07
Mgat4a	0.890118	5.44E-08	8.86E-07
Pawr	1.311859	5.62E-08	9.14E-07
Trf	1.38516	5.74E-08	9.33E-07
Elob	0.284449	5.76E-08	9.36E-07
Mbd2	0.425622	5.90E-08	9.58E-07
Sh2d3c	0.685604	6.07E-08	9.83E-07
Rtl8b	0.659423	7.24E-08	1.17E-06
Spry4	0.98631	7.41E-08	1.19E-06
Bnip3l	0.315451	7.50E-08	1.21E-06
Akr1a1	0.291622	7.68E-08	1.23E-06
Nenf	0.360837	8.14E-08	1.30E-06
Ddit4	0.415259	8.32E-08	1.33E-06
Cfl1	0.26007	8.26E-08	1.32E-06
S100a13	0.295872	8.42E-08	1.34E-06
Bmx	0.621219	8.89E-08	1.42E-06
C1s1	1.379488	9.19E-08	1.46E-06
Susd6	0.552714	9.37E-08	1.49E-06
Fbxo6	0.814951	1.07E-07	1.70E-06
Rell1	0.596566	1.11E-07	1.76E-06
H2-T22	0.72836	1.14E-07	1.81E-06
MIph	1.545426	1.24E-07	1.95E-06
Bst1	2.766956	1.28E-07	2.01E-06
Hyi	1.170837	1.36E-07	2.13E-06
Emcn	0.310156	1.34E-07	2.11E-06
Lcp1	0.820603	1.41E-07	2.20E-06
Atp7a	0.730716	1.42E-07	2.23E-06
Itpr1l1	0.807785	1.49E-07	2.33E-06
Il3ra	1.26691	1.54E-07	2.40E-06
Pdia3	0.329805	1.50E-07	2.34E-06
Ifitm10	2.208516	1.70E-07	2.63E-06
Timm10b	0.510927	1.64E-07	2.54E-06
Emp3	0.793288	1.69E-07	2.61E-06
H2-Ab1	1.57725	1.78E-07	2.75E-06
Sra1	0.637931	1.86E-07	2.88E-06
Psenen	0.434161	1.89E-07	2.92E-06

Zmiz1	0.357393	2.00E-07	3.08E-06
Castor1	0.700399	2.22E-07	3.41E-06
Septin10	0.649588	2.23E-07	3.41E-06
Garre1	0.272966	2.27E-07	3.48E-06
Cebpg	0.459408	2.34E-07	3.57E-06
Tnip1	0.841173	2.44E-07	3.72E-06
Psap	0.280411	2.38E-07	3.62E-06
Plscr2	0.996493	2.47E-07	3.75E-06
Anxa3	0.28631	2.41E-07	3.67E-06
Hif3a	3.098803	2.62E-07	3.96E-06
St6galnac6	1.050403	2.53E-07	3.84E-06
Arid5a	0.778482	2.63E-07	3.99E-06
Myzap	1.450408	2.71E-07	4.10E-06
Arl4d	0.543086	2.79E-07	4.21E-06
Rps15a-ps	0.504249	2.89E-07	4.36E-06
Igf2r	0.809174	3.14E-07	4.72E-06
Crlf2	0.72604	3.13E-07	4.70E-06
Brk1	0.349956	3.20E-07	4.78E-06
Slc31a1	0.511721	3.25E-07	4.86E-06
Tfpi	0.881843	3.34E-07	4.98E-06
Atp6v0e	0.353569	3.29E-07	4.91E-06
Dcbld2	0.766923	3.67E-07	5.44E-06
Pvr	0.767655	3.76E-07	5.56E-06
Hspa1a	0.462714	3.78E-07	5.58E-06
Rapgef6	0.509834	3.88E-07	5.73E-06
Chst15	0.820753	3.93E-07	5.79E-06
Ier5l	0.610152	4.10E-07	6.01E-06
Hsdl2	0.752268	4.11E-07	6.02E-06
Anxa1	0.704079	4.17E-07	6.09E-06
Lym1	0.811224	4.15E-07	6.07E-06
Plk3	1.321767	4.26E-07	6.22E-06
Esyt1	0.483106	4.26E-07	6.22E-06
Chmp2b	0.528319	4.43E-07	6.46E-06
Atp5d	0.31377	4.42E-07	6.44E-06
Prkch	0.447876	4.48E-07	6.51E-06
Esam	0.249773	4.57E-07	6.65E-06
Abcg1	0.948295	4.81E-07	6.97E-06
Mmd	0.643281	4.85E-07	7.02E-06
Rps6ka3	0.468396	5.00E-07	7.24E-06
Tamalin	0.459641	5.03E-07	7.27E-06
Spsb2	0.971334	5.20E-07	7.49E-06
Sorbs1	0.459687	5.14E-07	7.42E-06
Pde4a	1.227153	5.25E-07	7.57E-06
Mcam	0.54633	5.40E-07	7.76E-06
Sash1	0.378292	5.79E-07	8.30E-06
Slc48a1	0.618531	5.99E-07	8.58E-06
Sema6b	0.950379	6.09E-07	8.71E-06

Plscr1	0.870329	6.17E-07	8.81E-06
Ndufa8	0.368367	6.49E-07	9.25E-06
Pdgfc	2.93656	7.12E-07	1.01E-05
Slc25a30	0.711229	7.05E-07	1.00E-05
Ntn1	1.015553	7.46E-07	1.06E-05
Ubl7	0.769749	7.63E-07	1.08E-05
Mfsd10	0.798732	7.68E-07	1.09E-05
Nebi	0.338489	7.60E-07	1.08E-05
Traf1	1.985171	7.99E-07	1.13E-05
Srsf5	0.272883	7.60E-07	1.08E-05
Gata2	0.398213	8.38E-07	1.18E-05
Vamp8	0.37271	8.38E-07	1.18E-05
Cd74	1.649637	9.11E-07	1.27E-05
Piezo1	0.544612	8.87E-07	1.24E-05
Thap3	0.573151	8.97E-07	1.25E-05
Ralbp1	0.323417	8.86E-07	1.24E-05
Dusp6	0.476833	8.96E-07	1.25E-05
H2-Q6	0.693623	9.10E-07	1.27E-05
Ica1l	1.218902	9.62E-07	1.34E-05
Snhg12	0.654074	1.01E-06	1.41E-05
Spred3	1.711499	1.03E-06	1.44E-05
Mt2	1.393812	1.08E-06	1.49E-05
Apcdd1	0.374015	1.07E-06	1.48E-05
Capns1	0.292029	1.07E-06	1.49E-05
Mettl26	0.68592	1.14E-06	1.58E-05
Churc1	0.54115	1.16E-06	1.60E-05
Lrrc4	1.272132	1.20E-06	1.64E-05
Hivep1	0.486135	1.18E-06	1.62E-05
Ndfip1	0.303232	1.19E-06	1.63E-05
Nrarp	0.752675	1.22E-06	1.67E-05
Acot1	1.653867	1.27E-06	1.73E-05
Rasl10a	1.931164	1.27E-06	1.73E-05
Hint1	0.231756	1.23E-06	1.68E-05
Fabp5	1.363733	1.28E-06	1.74E-05
Pmp22	0.60326	1.44E-06	1.95E-05
Chmp4b	0.392901	1.45E-06	1.96E-05
Atp1a1	0.340378	1.45E-06	1.96E-05
Ncoa7	0.610399	1.48E-06	2.00E-05
Slc43a3	2.628529	1.57E-06	2.10E-05
Mafk	0.684335	1.60E-06	2.15E-05
Tspan14	0.595158	1.66E-06	2.22E-05
Peli1	0.369549	1.83E-06	2.44E-05
Mpnd	0.746252	1.87E-06	2.49E-05
Msrb3	0.512077	1.87E-06	2.49E-05
Higd2a	0.329764	1.90E-06	2.53E-05
Fgfr3	1.007351	1.96E-06	2.60E-05
Hspg2	0.400881	2.05E-06	2.72E-05

Eif4b	0.380279	2.10E-06	2.78E-05
Sbds	0.366422	2.13E-06	2.81E-05
Pim1	0.596875	2.15E-06	2.83E-05
Pdlim1	0.869375	2.22E-06	2.92E-05
Esd	0.383347	2.22E-06	2.92E-05
Snx21	0.651018	2.23E-06	2.93E-05
Chst1	3.942543	2.33E-06	3.06E-05
Rpl14-ps1	0.381067	2.27E-06	2.97E-05
Furin	0.494976	2.36E-06	3.09E-05
Tnfaip8	0.625393	2.43E-06	3.17E-05
Arhgap20	0.649791	2.47E-06	3.22E-05
Tap1	0.770305	2.48E-06	3.24E-05
Gm8730	0.939541	2.56E-06	3.34E-05
Shld1	0.598099	2.56E-06	3.34E-05
Mgst1	0.969983	2.61E-06	3.40E-05
Pdk4	1.453378	2.67E-06	3.46E-05
Psma6	0.317599	2.63E-06	3.42E-05
Capzb	0.325622	2.69E-06	3.48E-05
Ccdc9b	0.878282	2.79E-06	3.61E-05
Ccp110	0.711399	2.88E-06	3.71E-05
Robo4	0.36782	2.86E-06	3.69E-05
Glrx	0.940792	2.92E-06	3.76E-05
Dnajb1	0.493641	2.92E-06	3.76E-05
Uqcrfs1	0.444304	2.93E-06	3.77E-05
1810058l2	0.441663	2.98E-06	3.83E-05
Bcar3	0.737715	3.02E-06	3.88E-05
Fth1-ps	2.152909	3.20E-06	4.09E-05
Rtraf	0.374136	3.23E-06	4.12E-05
Tmem234	0.331574	3.22E-06	4.12E-05
Bbln	0.640341	3.30E-06	4.20E-05
Ranbp9	0.533101	3.30E-06	4.20E-05
Errfi1	0.693269	3.32E-06	4.22E-05
Usp54	0.571768	3.48E-06	4.42E-05
Vapa	0.341639	3.50E-06	4.44E-05
Cyba	0.339683	3.54E-06	4.49E-05
Arf4	0.350159	3.60E-06	4.55E-05
Cd38	0.938681	3.65E-06	4.61E-05
Sys1	0.426167	3.62E-06	4.58E-05
Tcea3	0.928307	3.94E-06	4.95E-05
Tor1aip2	0.56963	4.07E-06	5.12E-05
Rnf144b	0.430892	4.18E-06	5.24E-05
Ptpn1	0.468949	4.32E-06	5.42E-05
Rilpl1	0.59219	4.55E-06	5.68E-05
Mark3	0.383202	4.65E-06	5.79E-05
Clybl	1.175896	4.76E-06	5.92E-05
Rusc1	0.70275	4.75E-06	5.92E-05
Gask1b	1.47403	5.11E-06	6.34E-05

Tmem100	1.067569	5.25E-06	6.48E-05
Stx3	0.386589	5.13E-06	6.36E-05
AW112010	0.49069	5.27E-06	6.49E-05
Tinagl1	0.320605	5.22E-06	6.45E-05
Adm	0.761592	5.34E-06	6.56E-05
Tcp1	0.419567	5.30E-06	6.52E-05
Jak1	0.381243	5.43E-06	6.67E-05
Parp3	1.12562	5.60E-06	6.86E-05
Atoh8	0.917761	5.76E-06	7.06E-05
Eml1	0.65354	5.82E-06	7.12E-05
Tnfrsf11a	0.973704	5.91E-06	7.21E-05
Gpi1	0.301635	6.18E-06	7.53E-05
Gm49839	1.743869	6.35E-06	7.70E-05
Chic2	0.432993	6.24E-06	7.59E-05
Fam234a	0.850997	7.00E-06	8.46E-05
Tmed9	0.315761	7.15E-06	8.63E-05
Mxra8	0.79458	7.33E-06	8.83E-05
Gm5292	1.08116	7.38E-06	8.88E-05
Abi3	1.23693	7.46E-06	8.96E-05
Slc35f5	0.687624	7.55E-06	9.06E-05
Cd82	0.980591	7.66E-06	9.19E-05
Trib1	0.902596	7.86E-06	9.40E-05
Fus	0.241336	7.70E-06	9.22E-05
Adipor1	0.284573	7.83E-06	9.37E-05
Preb	0.610475	8.05E-06	9.62E-05
Rpl36a	0.381059	8.10E-06	9.66E-05
Cbr3	1.038642	8.29E-06	9.88E-05
Sh3kbp1	0.76091	8.53E-06	0.000101
Sigirr	0.485639	8.47E-06	0.000101
Syn2	2.029922	8.66E-06	0.000103
Snrpg	0.289289	8.62E-06	0.000102
Setd5	0.358972	9.04E-06	0.000107
Mgll	0.4778	9.14E-06	0.000108
Lmo1	0.828185	9.26E-06	0.00011
Fkbp7	0.599563	9.56E-06	0.000113
Zfp697	1.5262	9.85E-06	0.000116
Cenpb	0.342044	9.88E-06	0.000117
H2aj	0.388911	9.93E-06	0.000117
Epb41	0.376419	9.96E-06	0.000117
Tifa	0.886171	1.09E-05	0.000127
Itga2b	1.349229	1.10E-05	0.000129
Apod	0.901954	1.12E-05	0.000131
Ptpn14	0.441691	1.11E-05	0.000129
Nbdy	0.446254	1.14E-05	0.000133
Tmem50a	0.263611	1.14E-05	0.000133
Mr1	0.807975	1.17E-05	0.000136
Tmem44	0.549718	1.20E-05	0.000139

Mafg	0.486791	1.22E-05	0.000141
Ssr3	0.371871	1.22E-05	0.000141
Rab5a	0.382749	1.24E-05	0.000143
Eftud2	0.512923	1.25E-05	0.000144
Nudt9	0.542682	1.25E-05	0.000145
Rfk	0.445532	1.27E-05	0.000147
Tnfrsf1b	0.750604	1.29E-05	0.000148
Irf2bpl	0.300053	1.30E-05	0.000149
Trip10	0.556642	1.31E-05	0.00015
Frrs1	1.282675	1.33E-05	0.000152
Cdkn2aipn	0.705332	1.33E-05	0.000153
Elovl5	0.552066	1.34E-05	0.000153
Sp3os	0.726661	1.36E-05	0.000156
N4bp3	0.461247	1.39E-05	0.000159
Gm15427	0.967662	1.41E-05	0.000161
Prcp	0.68851	1.43E-05	0.000163
Ftl1	0.19687	1.41E-05	0.000161
Tbl1xr1	0.565978	1.45E-05	0.000165
Elf4	1.777242	1.48E-05	0.000168
Trarg1	1.383626	1.49E-05	0.000169
Mrps34	0.558698	1.49E-05	0.000169
Airn	1.071843	1.54E-05	0.000174
Agtrap	0.548916	1.58E-05	0.000178
4833403J1	0.882201	1.63E-05	0.000184
Smagp	0.46021	1.62E-05	0.000183
Armcx2	0.757593	1.64E-05	0.000185
Bcl10	0.45741	1.66E-05	0.000187
Taf7	0.498804	1.66E-05	0.000187
Ccdc28b	0.463931	1.67E-05	0.000188
Sfxn1	0.544054	1.69E-05	0.00019
Rrbp1	0.247841	1.70E-05	0.00019
Grina	0.397184	1.72E-05	0.000193
Ddx50	0.313051	1.82E-05	0.000203
Thoc7	0.36725	1.86E-05	0.000207
Crk	0.329359	1.89E-05	0.00021
Gm609	0.640571	1.92E-05	0.000214
Prelid1	0.429763	1.99E-05	0.000221
Ramp3	0.831445	2.03E-05	0.000225
Swap70	0.351389	2.03E-05	0.000224
Ssu72	0.306907	2.03E-05	0.000224
Lpp	0.357641	2.17E-05	0.000239
Egfl7	0.178587	2.19E-05	0.000241
Sat1	0.37245	2.22E-05	0.000243
Ndrgr1	0.256813	2.21E-05	0.000243
Polk	0.366696	2.21E-05	0.000243
Aph1a	0.376067	2.23E-05	0.000245
Mad2l2	0.790582	2.30E-05	0.000252

Paqr7	0.573924	2.31E-05	0.000253
Rgs12	0.438624	2.36E-05	0.000258
Itgb1	0.230846	2.37E-05	0.000259
Lrrc8b	0.556649	2.40E-05	0.000262
Ethe1	0.759564	2.45E-05	0.000267
Marveld1	0.520726	2.49E-05	0.000272
6430548N	0.866643	2.54E-05	0.000277
Amotl2	0.384794	2.60E-05	0.000282
Gm26802	1.110442	2.64E-05	0.000286
Tspan9	0.46821	2.68E-05	0.00029
Tef	0.473391	2.73E-05	0.000295
Ptpn18	0.591819	2.84E-05	0.000306
Csrp2	0.295751	2.88E-05	0.00031
Prdx1	0.210101	2.98E-05	0.00032
Agpat4	0.636871	3.02E-05	0.000324
Nuak2	1.363678	3.05E-05	0.000326
Fkbp2	0.388619	3.01E-05	0.000324
Arhgef7	0.479745	3.02E-05	0.000324
Ube2m	0.375379	3.07E-05	0.000328
Hmgcl	0.639464	3.13E-05	0.000334
A930005H	0.622688	3.21E-05	0.000341
Atl3	0.380556	3.22E-05	0.000342
Zfp521	0.792579	3.26E-05	0.000346
Dennd5b	0.352842	3.33E-05	0.000354
Hdgf	0.317589	3.35E-05	0.000355
Sp140	0.931349	3.40E-05	0.000359
Tirap	0.626465	3.53E-05	0.000372
Rab5c	0.329165	3.53E-05	0.000372
Fkbp10	0.846328	3.58E-05	0.000376
Gtf3a	0.627849	3.59E-05	0.000377
Ube2r2	0.326271	3.59E-05	0.000377
C530043K	0.72411	3.65E-05	0.000383
Gm14964	0.932135	3.75E-05	0.000393
Glipr2	1.340538	3.77E-05	0.000395
Ubb	0.172974	3.79E-05	0.000397
Sesn1	0.408187	3.94E-05	0.00041
Bhlhb9	0.73607	3.98E-05	0.000415
Nceh1	0.525341	4.02E-05	0.000419
Txndc5	0.708967	4.20E-05	0.000436
Babam2	0.534401	4.21E-05	0.000437
Ctdsp2	0.323729	4.32E-05	0.000447
Hmox1	1.280931	4.49E-05	0.000464
Tcta	0.72363	4.53E-05	0.000467
Ano6	0.409869	4.62E-05	0.000476
Tns2	0.310038	4.71E-05	0.000485
Tgfb1	1.38601	4.83E-05	0.000496
Pcdh7	2.753577	4.92E-05	0.000505

Cacna1e	1.424247	4.93E-05	0.000505
Shisa5	0.35052	4.96E-05	0.000508
Pros1	0.400585	5.03E-05	0.000515
Gdi2	0.275861	5.09E-05	0.000521
Eif3m	0.335714	5.11E-05	0.000523
Tprn	1.164742	5.27E-05	0.000538
Ddx3x	0.258463	5.25E-05	0.000536
Cmtm6	0.372817	5.37E-05	0.000547
Skap2	0.880467	5.54E-05	0.000563
Tspan17	0.474726	5.91E-05	0.000597
Zfp36l1	0.195976	5.90E-05	0.000596
Idh1	0.559864	6.38E-05	0.000641
Arsa	0.846879	6.65E-05	0.000667
H13	0.432115	6.73E-05	0.000674
Edf1	0.264062	6.88E-05	0.000688
Slc38a2	0.276797	6.93E-05	0.000692
Fbxo3	0.412078	7.16E-05	0.000714
Sbf2	0.354196	7.25E-05	0.000722
Relb	0.756387	7.32E-05	0.000728
Zfp217	0.871586	7.45E-05	0.000739
M6pr	0.375717	7.47E-05	0.000741
Lgalsl	0.355778	7.56E-05	0.000749
Spp1	1.719037	7.72E-05	0.000763
Tipin	0.543127	7.79E-05	0.000768
Rtn2	1.158545	7.91E-05	0.000779
Oaz1	0.168095	7.78E-05	0.000768
Per2	1.148319	8.08E-05	0.000793
Ehd4	0.378224	8.23E-05	0.000807
Commd3	0.390789	8.28E-05	0.000811
Il6st	0.352704	8.41E-05	0.000824
4930523C	0.368202	8.52E-05	0.000833
Etfb	0.336635	8.52E-05	0.000833
Bcar1	0.539697	8.89E-05	0.000867
Ldha	0.228604	8.97E-05	0.000874
Htr2a	1.256125	9.26E-05	0.000899
Rnf4	0.468014	9.22E-05	0.000896
Psmb8	0.310319	9.27E-05	0.0009
Selenom	0.226052	9.38E-05	0.000909
Hmox2	0.518473	9.73E-05	0.000939
Aurkaip1	0.3432	9.73E-05	0.000939
Ube2d3	0.220481	9.72E-05	0.000939
Lmf1	1.050229	0.000101	0.00097
Sec61b	0.275492	0.000103	0.000994
Trpv4	0.919067	0.000104	0.001004
4930556N	0.91208	0.000106	0.001014
Atf4	0.273661	0.000105	0.001006
Sema3c	0.301329	0.000106	0.001015

Fscn1	1.62258	0.000108	0.001033
Anp32b	0.277597	0.000108	0.001031
Dusp3	0.244039	0.00011	0.001047
Yy1	0.319097	0.000111	0.001064
1110038B	0.770045	0.000116	0.001107
Pir	0.362059	0.000117	0.001107
Grn	0.363399	0.000116	0.001107
Prr5	1.510358	0.000119	0.001129
Casp12	0.674331	0.000119	0.001129
Tbrg1	0.324853	0.000119	0.001129
Adgrg6	1.191245	0.000121	0.001142
Fndc3b	0.416144	0.00012	0.001131
Nop10	0.293176	0.00012	0.001135
Ddah1	0.466625	0.000121	0.001143
Stom	0.34733	0.000124	0.001166
Rbbp4	0.321349	0.000124	0.001172
Thbd	0.330679	0.000126	0.001189
Lrrc32	0.571385	0.000127	0.001196
Chst14	0.936916	0.000131	0.001235
Ppib	0.207942	0.000131	0.001235
Mt1	0.496394	0.000134	0.001255
Aldh3b1	1.258601	0.000135	0.001262
Ube2i	0.301445	0.000133	0.001251
Tmc7	0.607312	0.000137	0.00128
Enpp2	0.763409	0.000137	0.00128
Pfkfb3	0.987621	0.000137	0.00128
Cmc1	0.554475	0.000138	0.001288
Tmem9	0.63679	0.000144	0.001336
Man1a	0.593163	0.000145	0.001351
Rap2b	0.674952	0.000146	0.001358
Fzd4	0.260754	0.000146	0.001354
Erp29	0.334207	0.00015	0.001385
Wdr89	0.694862	0.000151	0.001391
Eef1d	0.246331	0.000152	0.001401
Calcr1	0.399027	0.000153	0.001414
Arid3a	0.912375	0.000156	0.001436
Zc3h6	0.551473	0.000162	0.00148
Kazald1	0.876038	0.000169	0.001547
Gpr4	0.42392	0.000169	0.001547
Ddi2	0.408638	0.00017	0.001548
Cdc42ep5	0.619298	0.000173	0.00158
Erf	0.46636	0.000173	0.001575
Wbp1l	0.448413	0.000176	0.0016
Asxl1	0.513948	0.000176	0.001601
Pgls	0.380051	0.000177	0.001601
Usp3	0.512615	0.000177	0.001606
Cdk6	0.749694	0.000178	0.001614

Ypel2	0.49844	0.000182	0.001641
Serp1	0.42286	0.000188	0.001691
Slk	0.291178	0.000188	0.001691
Pld3	0.629263	0.00019	0.001709
Gimap8	0.553843	0.000195	0.001747
Gm9616	0.843664	0.000198	0.001774
Hnrnpa1	0.279484	0.000197	0.001765
Oxa1l	0.511568	0.0002	0.001784
Ece1	0.210687	0.0002	0.001789
Dpm3	0.252283	0.000202	0.001801
Ywhah	0.251822	0.000202	0.001802
Ccdc71l	0.572477	0.000203	0.00181
Prr14	0.491654	0.000204	0.001817
Ralgds	0.613966	0.000205	0.00182
Naprt	1.14721	0.000206	0.001831
Adamts4	1.421259	0.000206	0.001831
Atraid	0.303143	0.000205	0.00182
Hsd17b4	0.46353	0.000209	0.001849
Itga1	0.203652	0.000211	0.001866
Cd24a	0.564705	0.000216	0.001912
Ppp1r14b	0.44813	0.000217	0.00192
Phf20	0.391131	0.000218	0.001922
Dnajb9	0.400072	0.000218	0.001926
Rtl8a	0.342445	0.00022	0.001942
Hdlbp	0.299463	0.000226	0.001987
Itgb4	1.096589	0.000232	0.002041
Tpt1-ps3	0.496692	0.000233	0.002049
Arl5c	1.45436	0.000236	0.00207
Ski	0.274297	0.000234	0.002054
Unc93b1	0.667277	0.000238	0.002084
Slc36a4	0.651669	0.000239	0.002091
Rnh1	0.354681	0.000239	0.002089
Ace	1.337373	0.000244	0.002129
Arf5	0.236477	0.000243	0.002119
Rbbp7	0.316763	0.000246	0.002142
Cry2	0.664875	0.000248	0.002159
Rb1	0.441754	0.00025	0.002173
Epb41l4ao	0.547526	0.00025	0.002173
Abcb1b	1.963987	0.000253	0.002197
Srp72	0.350385	0.000251	0.002182
Rab34	0.762272	0.000252	0.002188
Cpt1a	0.319056	0.000252	0.002188
Pisd	0.569608	0.000254	0.002198
Fam76a	0.308517	0.000256	0.002215
Tubb6	0.939761	0.000262	0.002254
Cmpk1	0.347797	0.00026	0.002244
Nfam1	2.804634	0.000265	0.002278

Bcl6	0.742901	0.000262	0.002258
Tle5	0.197209	0.000269	0.002313
S100a16	0.262267	0.000272	0.002332
Ctnna1	0.211969	0.000273	0.002334
Gm9794	0.668126	0.000288	0.002452
Lrrc41	0.526515	0.000289	0.002465
2700046A	1.392692	0.000295	0.002508
Irak2	0.573563	0.000302	0.002561
Zfp422	0.438304	0.000308	0.002606
Ppp1r13l	1.936214	0.000323	0.002723
Gm17501	0.975241	0.000323	0.002723
Ampd3	0.913027	0.000329	0.00277
Anapc16	0.308885	0.000328	0.002763
Hmbs	0.803351	0.000332	0.002795
Ephb4	0.39953	0.000332	0.002789
Tal1	0.559323	0.000335	0.002811
1500011B	0.504629	0.000335	0.002811
Xpa	0.52141	0.000337	0.002821
Resf1	0.385641	0.000339	0.002841
Tmem256	0.264696	0.000343	0.002871
Fblim1	0.912384	0.000349	0.002916
Mpp2	0.793911	0.000354	0.002951
Igsf8	0.687935	0.000366	0.003044
Gsdmd	0.589071	0.000368	0.003052
Lmna	0.292389	0.000367	0.003052
Plpp6	0.406662	0.000368	0.003057
Dynlt3	0.297112	0.000369	0.003061
Tbca	0.257314	0.00038	0.003148
Gimap9	0.668057	0.000385	0.003183
Mpg	0.576687	0.000388	0.003205
Psmb1	0.223205	0.000387	0.003202
Ctbs	0.674284	0.000397	0.003266
Pcmt1	0.201004	0.000397	0.003266
Tspan12	0.378219	0.000406	0.003332
Abhd6	0.524933	0.000406	0.003334
Zfp46	0.663032	0.000409	0.003351
Degs2	0.306035	0.000407	0.003343
Kyat1	1.141651	0.000413	0.003386
Glud1	0.287245	0.00042	0.003438
Btg1	0.241488	0.000426	0.00348
Ccdc152	0.764352	0.00043	0.003511
Serpine2	0.608363	0.000435	0.003543
Emc10	0.328376	0.000434	0.003543
Pitpna	0.267764	0.00044	0.003587
Tmem219	0.541254	0.00045	0.003657
Sh3tc1	0.608489	0.00045	0.003657
Tead2	0.544203	0.000461	0.003739

Psmg4	0.384325	0.000463	0.003751
Sema3f	0.718744	0.000467	0.003775
Sertad3	0.673703	0.000469	0.00379
Ace2	0.56876	0.000473	0.003816
Fxyd7	1.012741	0.000479	0.003857
Khk	0.571341	0.000477	0.003845
Thnsl2	1.3374	0.000488	0.003925
2310009B	0.583057	0.000493	0.003961
Hnrnpul1	0.333273	0.000496	0.003978
Mecp2	0.313167	0.000496	0.003978
Tnfsf10	0.361762	0.000504	0.004043
Phf23	0.471677	0.00051	0.00408
Reep1	0.704626	0.000511	0.004085
Cpm	0.588873	0.000514	0.004104
Tmie	1.058808	0.000531	0.004234
Lyz2	2.097838	0.000538	0.004286
Dazap2	0.242627	0.000534	0.004259
Irf2	0.279034	0.000547	0.004355
Ripk1	0.473115	0.000556	0.004423
Ddost	0.351051	0.000559	0.004437
Dnajc3	0.248178	0.000563	0.004472
Ybx3	0.232582	0.000569	0.004517
Mknk2	0.38648	0.000581	0.004603
Sil1	0.587221	0.000589	0.004655
Cpne3	0.29182	0.00059	0.004661
H2-Aa	1.31728	0.000608	0.004782
Cchcr1	1.19589	0.00062	0.004871
Ost4	0.230636	0.000617	0.004847
Wee1	0.677059	0.000623	0.00488
Rps23-ps1	0.562163	0.000622	0.00488
Prdx5	0.285912	0.000621	0.004872
Exoc3l	1.363312	0.000639	0.00499
Anxa11	0.375001	0.000642	0.00501
Uck2	1.061614	0.00066	0.005135
Rad50	0.502414	0.000669	0.005192
Arfgap3	0.48326	0.000674	0.005232
Pcdhgc3	1.571689	0.000682	0.005281
Denr	0.310581	0.000694	0.00536
Ifrd1	0.388789	0.000703	0.005425
Agps	0.517628	0.000706	0.005438
Sec14l1	0.281059	0.000706	0.005438
Polr1d	0.266046	0.000725	0.005575
Pgm2l1	0.41484	0.000736	0.00565
Vrk2	1.024251	0.00074	0.005679
Gm9385	1.020518	0.000745	0.005712
Vwa8	0.608548	0.000748	0.005731
Get4	0.442385	0.000749	0.005739

Eif5a	0.232687	0.000767	0.00586
Sars	0.353078	0.000772	0.005896
Eef1g	0.218466	0.000774	0.005904
Gabpb1	0.475538	0.000779	0.005941
Mapk9	0.430715	0.000781	0.005957
Mtus1	0.209215	0.000786	0.005986
P2ry1	1.520008	0.000798	0.006062
Kri1	0.699257	0.000796	0.006056
Tsr3	0.565193	0.000796	0.006056
Slc35g2	1.045476	0.000808	0.006127
Smpdl3a	0.268734	0.000805	0.006109
Plp2	0.774445	0.000813	0.006159
Reep5	0.249594	0.000812	0.006154
Ppp2r5c	0.262079	0.000821	0.006212
Tmem123	0.254305	0.000833	0.006299
Dguok	0.345773	0.000835	0.00631
Npm1	0.201186	0.000838	0.006329
Acox1	0.329779	0.00084	0.006337
Emc6	0.331055	0.000846	0.006379
Ppp2r2a	0.29292	0.000846	0.006379
Pgm5	0.403578	0.000857	0.006457
Tmem64	0.533984	0.000859	0.006471
Tmem178	2.241038	0.000873	0.006556
Pf4	1.532438	0.000872	0.006554
Glul	0.183634	0.000872	0.006555
Tmem254i	0.653014	0.000891	0.006673
Lsm14a	0.296878	0.00089	0.006673
Cthrc1	0.335636	0.000902	0.006755
Hnrnph2	0.306683	0.000902	0.006755
Gmfg	2.315939	0.000916	0.006847
Elmo1	0.425752	0.000918	0.006852
E030026E	1.365759	0.000926	0.00691
Hnrnpf	0.183807	0.000929	0.006927
Hacd4	1.1201	0.000939	0.006992
Jpt1	0.561853	0.000948	0.007052
Cast	0.24434	0.000953	0.007079
Hyal2	0.446558	0.000994	0.007371
Zbtb11os1	0.9073	0.001025	0.007575
Rasd2	1.244412	0.001031	0.007609
Csde1	0.172964	0.001025	0.007575
Rps11-ps1	0.65261	0.001039	0.007653
Tsen34	0.31619	0.001039	0.007653
Gm49599	0.422907	0.001045	0.007686
Retreg2	0.376163	0.001046	0.00769
Gm6937	0.841103	0.00105	0.00772
Sh3bgrl2	0.646317	0.001058	0.007773
Pgm2	0.570904	0.001063	0.007797

Rap1a	0.225894	0.001061	0.00779
Kank1	0.513877	0.00109	0.007973
Rab3d	0.563259	0.001088	0.007969
Miip	0.713247	0.001092	0.007989
Pdxdc1	0.371874	0.001102	0.008045
Tomm7	0.187068	0.001099	0.008038
Fuca1	0.393128	0.001104	0.008058
Sqor	0.507775	0.001107	0.008074
Ubald1	0.491754	0.001117	0.008126
Sh3bp4	0.342299	0.001119	0.008136
Zfand1	0.75956	0.001128	0.008187
Foxo1	0.293467	0.001132	0.008209
Pik3c2a	0.264871	0.001138	0.008253
Figl2	0.825888	0.001142	0.008273
Hipk3	0.268655	0.001145	0.008292
Pcbd2	0.371372	0.00115	0.008318
Smpd1	0.451444	0.001156	0.008356
Maml3	0.588774	0.001163	0.008394
Arf2	0.383339	0.001175	0.00846
A930033H	0.740276	0.001182	0.008496
Cox4i1	0.133464	0.001174	0.008453
Zfp593	0.753877	0.001195	0.008571
Palm	0.267702	0.001223	0.008763
Pla1a	0.667201	0.001236	0.008846
Rhod	0.685668	0.001237	0.00885
Map2k3	0.411474	0.001236	0.008846
Rpl3-ps1	0.762753	0.001241	0.008872
Mapk11	0.903488	0.001243	0.008879
Kif23	0.878002	0.001248	0.008899
Tpst2	0.343235	0.001246	0.008891
Hebp1	0.325918	0.001265	0.009001
H2-K2	0.836278	0.001272	0.009045
Trappc1	0.419655	0.001286	0.009123
Pdcd6	0.276633	0.001285	0.009119
Endog	0.563632	0.001287	0.009128
Ctif	0.542161	0.001293	0.009159
Gna13	0.296098	0.001292	0.009159
Plac9a	0.324062	0.0013	0.009201
Gm17745	0.877409	0.001322	0.009347
B4galt5	0.700373	0.001324	0.009353
Tmem248	0.447674	0.001324	0.009353
Suz12	0.286313	0.001341	0.009455
Map3k14	1.326675	0.001356	0.009549
Rnf115	0.394168	0.001373	0.009653
Mpst	0.700932	0.001381	0.009704
Kcmf1	0.30172	0.001379	0.009696
Per3	0.421801	0.001385	0.00972

Romo1	0.238203	0.001385	0.00972
Rilp	1.02906	0.001393	0.00977
Acadvl	0.387771	0.001398	0.0098
Naga	0.674324	0.001416	0.009891
Fcer1g	1.763925	0.001426	0.009939
Rps6ka1	0.615305	0.001423	0.009928
Hscb	0.668109	0.001423	0.009928
Marveld2	0.905723	0.001426	0.009939
Pgap2	0.526823	0.001453	0.01011
Spef1	0.723953	0.001461	0.010152
Arhgdia	0.189895	0.001459	0.010144
Kdelr3	1.533684	0.001475	0.010219
Ndufa7	0.164929	0.001464	0.010168
Eif2s2	0.197729	0.001466	0.010168
Gtf2b	0.395872	0.001481	0.010259
Rit1	0.374933	0.001488	0.010291
Tmem51	0.454721	0.001512	0.01043
Irak4	0.812054	0.001518	0.010456
Fbxl5	0.298543	0.001525	0.010494
Mapk1	0.284992	0.001527	0.010505
Rpn2	0.242525	0.001541	0.010586
Rwdd2a	1.359381	0.001555	0.010662
Emc9	0.601178	0.001559	0.010686
Sft2d2	0.360801	0.001571	0.01076
Micos13	0.247792	0.001585	0.010846
Zbed3	0.502438	0.001613	0.011021
Ppp3cc	0.427711	0.001622	0.011079
Cox7c	0.164574	0.001623	0.011079
Stx12	0.269133	0.001629	0.011109
Ang	0.726883	0.001638	0.011167
Pygl	1.067627	0.001641	0.01118
Trib3	0.938886	0.001644	0.011186
Pcbp2	0.149793	0.001641	0.01118
Atp6v1g1	0.191749	0.001645	0.011186
Spsb1	0.575838	0.001666	0.011305
Odc1	0.535365	0.001664	0.011301
Sharpin	0.466593	0.001685	0.011424
Baz1a	0.622618	0.001708	0.011553
Cox8a	0.139707	0.001699	0.011507
Ntan1	0.290481	0.001719	0.011627
Hddc2	0.553794	0.00173	0.011675
Cd151	0.224182	0.00173	0.011675
Gm43672	1.566976	0.001752	0.011804
Saraf	0.246999	0.001771	0.011915
Rabepk	0.603289	0.001798	0.012075
Prrg2	0.513146	0.001804	0.012114
Tmtc1	0.37911	0.001805	0.012114

Dapk1	0.708488	0.001817	0.012191
Snrpe	0.218361	0.001827	0.012249
Dcaf5	0.488412	0.001835	0.012284
Tle3	0.373731	0.001833	0.012281
Tmed3	0.348079	0.00184	0.012317
Tcf7l2	0.362142	0.001843	0.012321
Ube2e1	0.350907	0.001851	0.012365
Slc52a2	0.408407	0.001872	0.012493
Slc25a20	0.535546	0.001877	0.012522
Ly6g6d	1.905691	0.001905	0.012687
Wipf3	1.205951	0.001937	0.01287
Ccdc8	0.961442	0.001935	0.012861
Npw	0.988767	0.00194	0.012878
4930515G	2.61564	0.001984	0.013149
Mustn1	0.537792	0.002015	0.013339
Phc2	0.2868	0.00202	0.013355
Tcaf2	0.856565	0.002045	0.01352
Trim3	0.525232	0.002054	0.01357
Magi1	0.518442	0.002063	0.013614
Zfand3	0.302653	0.002061	0.013608
Chid1	0.932052	0.002085	0.013742
Galk1	0.409816	0.002091	0.013772
Pcdhga4	1.816661	0.002111	0.013888
Lgals4	0.872186	0.002107	0.013867
Plaur	0.934127	0.002114	0.013903
Man2a1	0.388749	0.002119	0.013914
Csrp1	0.306996	0.002158	0.014158
Slc41a1	0.47948	0.002191	0.014359
Mospd1	0.332609	0.002221	0.014525
Fuca2	0.591614	0.002224	0.014537
Camta1	0.335351	0.00228	0.014865
Arf1	0.174342	0.002286	0.014895
Clec1a	0.387931	0.002314	0.015051
Slc52a3	0.368407	0.00233	0.015143
Tln2	0.444916	0.002333	0.015155
Ptpn12	0.305091	0.002362	0.015316
Dcaf13	0.453862	0.002376	0.01539
Adgrf5	0.131656	0.002368	0.01535
Gm2011	1.127917	0.002385	0.015445
Pdgfd	0.45515	0.00243	0.015689
Dpagt1	0.492863	0.002455	0.015813
Ociad2	2.096885	0.002475	0.015909
Cnppd1	0.443104	0.002473	0.015902
Ccdc71	0.522882	0.002486	0.015953
Atp10d	0.304358	0.002487	0.015956
Ssbp4	0.224376	0.002495	0.015989
Tor3a	0.463537	0.0025	0.016014

Rab1a	0.211793	0.002515	0.016106
Tmem60	0.439086	0.00253	0.016186
Birc2	0.373861	0.002569	0.016406
Coa8	0.354358	0.002594	0.016539
Npc2	0.247072	0.002596	0.016548
Aig1	0.406296	0.002607	0.016612
311008211	0.744244	0.002617	0.016649
Trim35	0.336851	0.00262	0.016661
4933431E	1.06075	0.002642	0.016787
Cdk4	0.346239	0.002637	0.016763
Stap2	0.474082	0.002653	0.016848
Rnf185	0.500626	0.002657	0.016866
Bzw1	0.237614	0.002692	0.017057
Hfe	0.494667	0.002707	0.017129
Dgkh	0.29781	0.00272	0.017202
Arl2	0.35491	0.002725	0.017218
3010003L	1.011723	0.002737	0.017278
Tmem14c	0.253957	0.002764	0.017412
Gm9843	0.512348	0.002771	0.017437
Rab2a	0.186015	0.002817	0.017671
Tmed5	0.259022	0.002825	0.017702
Rhobtb1	0.319466	0.002862	0.017906
Cept1	0.340536	0.002878	0.017989
Tnfrsf10b	0.829615	0.002893	0.018078
Plxna4	1.003704	0.002912	0.018171
Pcna	0.329043	0.00291	0.018168
Nfkbie	1.800214	0.002937	0.018292
Lrrc28	1.005436	0.002934	0.018281
Mfsd13a	1.170628	0.002987	0.018535
Nptn	0.237357	0.002973	0.018468
Stx17	0.440836	0.002984	0.018522
Slc16a3	0.892701	0.002991	0.018551
Trp53inp1	0.430689	0.003012	0.018658
Sfr1	0.212552	0.003035	0.018785
Tut4	0.268418	0.003046	0.018844
Cdkn2c	0.55595	0.003087	0.019073
Ptpn3	2.680214	0.003118	0.019224
Naglu	0.782867	0.003108	0.019182
Nupr1	0.503418	0.003106	0.019179
Ly96	1.00716	0.003133	0.019312
Selenok	0.163172	0.00315	0.019406
Rabac1	0.139587	0.003153	0.019418
Rph3al	0.849768	0.003187	0.019585
Efnb1	0.409529	0.003185	0.019585
Fam104a	0.254918	0.003182	0.019583
Cox6a1	0.172664	0.003181	0.019582
Mapk12	0.389624	0.003225	0.019788

Zfp787	0.400375	0.003233	0.019819
CltA	0.178979	0.003247	0.019891
Zfp467	0.430859	0.003257	0.019926
Ttc19	0.392014	0.003256	0.019926
Socs5	0.350678	0.003288	0.020092
Tmem88	0.460635	0.003326	0.020275
Cish	0.893766	0.003348	0.020374
Psmd4	0.216551	0.00334	0.020352
Polr2i	0.278533	0.003345	0.020374
Extl2	0.786245	0.003362	0.020443
L3hypdh	0.730566	0.003371	0.020493
Htatip2	0.681544	0.003377	0.020513
Acadsb	0.406793	0.003411	0.020625
Sntb2	0.309399	0.003409	0.020625
Baiap3	0.86253	0.003426	0.020685
Nudt16	0.702704	0.003424	0.020678
Gm13436	1.44461	0.003437	0.020733
1110004F	0.243024	0.003434	0.020725
Gm37101	1.028503	0.003453	0.020794
Hectd1	0.196373	0.003452	0.020794
Ppp5c	0.445683	0.003469	0.020885
Efh2	0.321762	0.003494	0.020992
Slc12a2	0.297354	0.003549	0.021308
Rab13	0.358802	0.003554	0.021325
Tmem59	0.151171	0.003564	0.02137
1700037H	0.737471	0.003579	0.021431
Klhdc8b	0.435347	0.003587	0.02147
Rpl10-ps3	0.919848	0.003628	0.021692
Snn	0.416954	0.00373	0.022233
Dhrs7	0.278406	0.003733	0.022236
Capn2	0.242961	0.003748	0.022275
Gm43149	1.26168	0.003829	0.022676
Fkbp11	1.159568	0.003827	0.022673
Klhl24	0.220444	0.003825	0.022673
Cbx4	0.576235	0.003865	0.022844
Cables1	0.821038	0.003871	0.022871
Fbxo34	0.605283	0.003874	0.022877
Fes	0.55654	0.003887	0.022946
Irx3	0.237102	0.003902	0.023009
Abcc1	0.665864	0.003918	0.023084
Rpl15-ps2	1.540431	0.003975	0.023373
Ctdnep1	0.339316	0.003991	0.023451
Raly	0.205304	0.004011	0.02356
Maoa	0.18516	0.004013	0.023565
Foxf2	0.201629	0.004029	0.023647
Srrm2	0.146368	0.004032	0.023657
Sgf29	0.559491	0.004116	0.02409

Elov16	0.995526	0.004161	0.024308
Uap1l1	0.804952	0.00417	0.024348
Ifngr1	0.281398	0.004183	0.024414
Polm	1.37645	0.00423	0.024655
Luc7l2	0.161172	0.00421	0.024566
Polr2h	0.488974	0.004235	0.024669
Rps10-ps1	0.497095	0.004268	0.024844
Spats2	0.453565	0.004273	0.024864
Vwa5a	0.40393	0.004287	0.024909
Chchd5	0.5818	0.004293	0.024925
Zbtb8a	0.883469	0.004312	0.025022
Kxd1	0.36672	0.004333	0.025124
Wbp2	0.245233	0.004336	0.025129
Utp3	0.305635	0.004348	0.025185
Cybb	3.667318	0.004413	0.025469
Cerk	0.434243	0.004382	0.025351
Rps6-ps4	0.617771	0.004406	0.02544
H2-Eb1	1.309478	0.004417	0.025469
Efemp2	0.391658	0.004424	0.025488
4931406C	0.461692	0.004432	0.025523
Cd59b	1.638665	0.004464	0.025644
Rnf2	0.461196	0.004446	0.025574
Phlda3	0.970121	0.004462	0.025644
Tox4	0.31895	0.004463	0.025644
Mettl9	0.287204	0.004467	0.025656
Rgp1	0.67957	0.00448	0.025719
Osbp19	0.219636	0.004495	0.025797
Ezh2	0.608059	0.004554	0.026096
Manbal	0.393899	0.004553	0.026095
Rffl	0.713971	0.004577	0.026197
Fli1	0.177711	0.004566	0.026151
Endou	0.904488	0.004626	0.026448
Tpbgl	1.432255	0.004644	0.026529
Ripply3	0.738372	0.004635	0.026489
Ncaph	1.001285	0.004654	0.026565
Vps37c	0.544907	0.004649	0.026547
Ccni	0.227255	0.004665	0.026608
Clk3	0.472259	0.004681	0.026668
Gm21955	1.582773	0.004708	0.026778
Fam160a1	0.884875	0.004712	0.026781
Prkce	0.396579	0.004709	0.026778
Hcls1	0.994096	0.00472	0.026818
Gm38125	0.647888	0.004726	0.026833
Pik3r5	1.273394	0.004756	0.026974
Svil	0.271713	0.004772	0.027048
Nisch	0.200075	0.004773	0.027048
Gm9889	0.762121	0.004795	0.027153

Cltc	0.180461	0.004785	0.027103
Gdpd1	0.505932	0.004823	0.027297
Plod1	0.326794	0.004824	0.027297
Ralgapa2	0.565568	0.004863	0.027487
Klf10	0.316002	0.004873	0.02753
Gspt1	0.252091	0.004877	0.027541
Rps11-ps2	0.938556	0.004895	0.027612
Nudt14	0.38111	0.004912	0.0277
Timeless	0.532223	0.004934	0.027791
Mid1	0.560763	0.004939	0.02781
Pdia6	0.268828	0.005005	0.028139
Apbb2	0.173863	0.005063	0.028456
Psma7	0.162806	0.005077	0.028501
Hras	0.288194	0.005171	0.028973
Sos1	0.266856	0.005184	0.029025
Caskin2	0.286128	0.005194	0.029071
Ube2a	0.35826	0.005248	0.02935
Sav1	0.287922	0.005271	0.029454
Cdk2ap1	0.361179	0.005281	0.029493
Plin3	0.340007	0.005293	0.029549
Surf4	0.289175	0.005301	0.029579
Atp6v1f	0.184389	0.005361	0.029869
Cdca7	0.718364	0.005376	0.029923
Fam241a	0.389459	0.005399	0.030028
Psен2	0.426293	0.005411	0.030073
H6pd	0.654252	0.005437	0.030177
Msrб1	0.415331	0.005438	0.030177
Cep85	0.612825	0.005446	0.030211
Zdhhc12	0.55287	0.005461	0.03027
Yipf3	0.33387	0.005483	0.030369
Atp5mpl	0.194724	0.005594	0.030906
Tiparp	0.417604	0.005609	0.030976
Smap2	0.377411	0.005628	0.031071
Rps27a-ps	0.600053	0.005659	0.031197
Pnrc1	0.179849	0.005677	0.031282
4921524J1	0.287107	0.005706	0.031432
Irak3	0.68677	0.005746	0.031619
Rps27l	0.182675	0.005799	0.03186
Il13ra1	0.429752	0.005816	0.031945
D11Wsu47	0.986033	0.005845	0.032067
Rab20	1.582698	0.005872	0.032204
Ttc38	0.968871	0.005901	0.032329
Engase	1.052617	0.005915	0.032382
Dclre1b	0.896908	0.005962	0.032578
Ak2	0.393909	0.005976	0.032642
Glrx2	0.304278	0.005984	0.032672
Adam10	0.182115	0.005986	0.032672

Gm16845	1.68909	0.006049	0.032954
Nxt1	0.408131	0.006034	0.032892
Tmed2	0.208181	0.006028	0.03288
Gm7072	0.570287	0.006065	0.033031
Arl8a	0.336394	0.006086	0.033124
Sdc3	0.198098	0.006103	0.033192
Plekhg2	0.361225	0.006118	0.033262
Dnajb11	0.286815	0.006143	0.033382
Susd2	1.129218	0.006169	0.033498
Snhg6	0.451377	0.006177	0.033534
Tpd52l2	0.293484	0.006231	0.033778
Slc50a1	0.20719	0.006229	0.033778
Itgb1bp1	0.423488	0.006256	0.033897
Acbd6	0.304863	0.00633	0.034275
Plpbp	0.389155	0.00637	0.034468
Tepp	1.536149	0.006392	0.034567
Pld1	0.550256	0.006396	0.034572
Ubr7	0.396653	0.006393	0.034567
Pdcd5	0.223457	0.006409	0.034626
Mef2d	0.251541	0.006422	0.034688
Acbd4	0.520508	0.006474	0.034917
Gnl1	0.387715	0.006471	0.034913
Snx4	0.35729	0.0065	0.035033
Snhg1	0.331946	0.00651	0.035075
Nipa2	0.375654	0.006553	0.035258
1110059E	0.393333	0.00656	0.035264
Hk1	0.251949	0.006548	0.035251
Tut7	0.200417	0.00657	0.035308
B9d2	0.555308	0.00661	0.035477
Cdc42se2	0.300574	0.006611	0.035477
Sdf2l1	0.77435	0.00663	0.035568
Rps15a-ps	0.901612	0.006728	0.036026
Tram2	0.518953	0.006781	0.03625
Mzt2	0.528145	0.006873	0.036648
Pigk	0.353756	0.006935	0.036951
Gm22146	2.016483	0.006994	0.037237
Llph	0.282	0.007006	0.037275
Cnbp	0.138358	0.007014	0.037304
Fibp	0.283531	0.007096	0.037699
Ednrb	0.778188	0.007123	0.037749
Ptprj	0.399322	0.007112	0.037749
Abhd11	0.612633	0.007122	0.037749
Micos10	0.173486	0.007141	0.037805
Ccnd3	0.244741	0.007257	0.038378
Tram1	0.249901	0.007279	0.038455
Abcc4	0.216244	0.007328	0.038699
Tspan31	0.331222	0.007348	0.03879

Ncf4	4.315393	0.007391	0.038965
Nlgn2	0.622008	0.007375	0.038891
Arpp19	0.181859	0.00737	0.03888
Fgfr1	0.422535	0.007411	0.039046
Borcs6	0.371539	0.007414	0.039046
Mettl27	1.056468	0.007491	0.039421
Slc35d1	0.580882	0.007536	0.039576
Snai1	1.083458	0.00757	0.039742
Dda1	0.372045	0.007602	0.039861
E230001N	1.049864	0.007614	0.039902
Zbp1	0.895783	0.007654	0.040066
Kazn	0.646346	0.007665	0.040111
Gm5148	1.061058	0.007685	0.040161
Zcchc24	0.350875	0.007672	0.040133
Snap29	0.471612	0.007685	0.040161
Ubr5	0.231198	0.007681	0.040161
Hbb-bs	0.529548	0.007713	0.040265
Znrf1	0.236965	0.007736	0.04037
Kras	0.190865	0.007772	0.040491
Serbp1	0.137659	0.007773	0.040491
Tmbim4	0.235638	0.007832	0.040746
Klhl5	0.216455	0.007868	0.040902
Cdk2ap2	0.260274	0.007886	0.040969
Cmb1	1.219011	0.007969	0.041305
Nus1	0.306467	0.007964	0.041305
Pigt	0.366055	0.007958	0.0413
Wdr37	0.2841	0.007983	0.041345
Atox1	0.135134	0.008081	0.041765
Gm43508	0.800213	0.00814	0.04201
Tep1	0.862899	0.008197	0.042233
Glmp	0.282563	0.008223	0.042336
Slc25a28	0.347418	0.008235	0.042385
Nasp	0.360347	0.008293	0.042621
Oplah	0.757177	0.008318	0.042723
Ajuba	0.494341	0.008343	0.042831
Tmem115	0.420002	0.008358	0.042885
Cnpy4	0.547913	0.008467	0.043355
Trim62	0.814505	0.008488	0.0434
Cutal	0.82129	0.0085	0.043451
Pxk	0.283075	0.008509	0.043467
Pnrc2	0.269679	0.008528	0.043549
Rhebl1	0.692542	0.008621	0.043946
Itga5	0.381436	0.008655	0.044075
Ppp2ca	0.187363	0.008683	0.044187
H1f4	0.426329	0.008712	0.044291
S1pr4	0.53431	0.008738	0.044371
Eps8	0.399858	0.00874	0.044371

Sh3bgrl	0.170603	0.008744	0.044379
Peli2	0.407177	0.008754	0.044398
Gm38197	0.380878	0.008778	0.044506
Eml2	0.386897	0.008805	0.044569
Klhl3	0.491625	0.008795	0.044529
Tmem11	0.377411	0.008812	0.044588
Pms2	0.575225	0.008847	0.044701
Tstd3	0.964604	0.008855	0.04473
Cdh5	0.132465	0.008887	0.044873
Etnppl	0.95137	0.00892	0.044987
Sh3glb1	0.130578	0.008908	0.044966
Ppp4c	0.299363	0.008968	0.045209
Tlcd3a	0.553915	0.008988	0.045279
Stox1	0.655007	0.008987	0.045279
Manea	0.54223	0.009021	0.045423
Dop1b	0.449651	0.009023	0.045423
Itgb2	2.525137	0.009052	0.045523
Erlec1	0.328298	0.009055	0.045523
Mta1	0.312384	0.009117	0.045804
Itgb3bp	0.552267	0.009187	0.046063
Pianp	0.444193	0.00922	0.046197
Ppm1m	0.495098	0.009262	0.046393
Tuba4a	0.591123	0.009265	0.046393
Hadhb	0.252678	0.009276	0.046432
Prdx2	0.163758	0.009348	0.04676
Sgce	0.459892	0.009408	0.047029
Rps10-ps2	0.616201	0.009436	0.047141
Wfdc1	0.178717	0.009491	0.047399
Kctd11	0.710158	0.00959	0.047843
Prxl2b	0.486033	0.00961	0.0479
Lix1l	0.330071	0.009611	0.0479
Hsd17b10	0.321092	0.009713	0.048395
Epdr1	1.084467	0.009776	0.048677
Psmf1	0.486699	0.009795	0.048731
Hspa13	0.396147	0.009797	0.048731
Mmgt2	0.508477	0.009881	0.049067
Slc44a2	0.316625	0.010019	0.04967
Nfkb2	0.591558	0.010109	0.050035
Zap70	0.778322	0.010211	0.050406
Degs1	0.32227	0.010252	0.050589
Tlcd2	0.916538	0.0103	0.050781
6430573P	1.490264	0.010322	0.050854
Xiap	0.169398	0.01031	0.050808
Myo1c	0.25464	0.010333	0.05089
Creb3	0.395763	0.01035	0.050957
Al467606	0.374873	0.01038	0.051086
Aars	0.455796	0.01041	0.051218

Stat6	0.355645	0.010468	0.051421
Nfkbib	0.490029	0.010487	0.051481
Tmem165	0.260624	0.010484	0.051481
Ppm1a	0.211337	0.010559	0.0518
Dgcr6	0.292878	0.010598	0.051974
Plbd2	0.386788	0.010629	0.052088
Ubtd1	0.464088	0.010712	0.052421
Rnf181	0.345164	0.010714	0.052421
Zbtb8os	0.455035	0.010787	0.052727
Vsig10	0.46493	0.010803	0.052788
2410022N	0.576995	0.010832	0.052896
Gm37760	0.754265	0.010963	0.053484
Chmp3	0.180201	0.010986	0.053561
Actr3	0.206118	0.010999	0.053606
Numb	0.347084	0.01102	0.053632
Pcnx4	0.551021	0.011085	0.05385
St3gal6	0.193734	0.011118	0.053992
Ptgis	0.692242	0.011205	0.054259
Trappc4	0.216391	0.011199	0.054259
Dipk2b	0.518655	0.011251	0.054444
Morf4l2	0.235966	0.011276	0.054549
Acap2	0.264362	0.011315	0.054617
Tcf4	0.102378	0.011316	0.054617
Serinc1	0.162605	0.011323	0.054633
Rcn2	0.215351	0.011382	0.054883
Atxn7l3	0.351507	0.011391	0.054889
Adamts13	1.692348	0.011414	0.05495
Etfdh	0.393934	0.011404	0.054917
Sh3gl1	0.294511	0.011534	0.055451
Ltbr	0.353132	0.011537	0.055451
Hnrnpd	0.182911	0.011619	0.055791
Vdac1	0.197294	0.011631	0.055834
Rsl1	0.888035	0.011674	0.056003
Abca3	0.308373	0.011757	0.056292
G3bp2	0.177687	0.011748	0.056285
Tpra1	0.379043	0.011818	0.056549
Ptpmt1	0.315112	0.01189	0.056856
Acad12	0.951957	0.012003	0.057304
Pdpf	0.228373	0.012021	0.057357
Rab6a	0.188006	0.012128	0.057757
Aldh9a1	0.284077	0.012326	0.058568
Gm10275	1.706385	0.012369	0.058715
Cyhr1	0.229983	0.012338	0.058604
Gm34455	0.795951	0.012361	0.058697
S100a9	1.240574	0.012415	0.058876
Capn1	0.551773	0.012404	0.058844
Ing1	0.236685	0.012555	0.059447

Anxa4	0.381375	0.012617	0.059723
Abhd17c	0.535328	0.01263	0.059766
Rnf121	0.496321	0.012718	0.060129
Wdr26	0.21594	0.012755	0.06028
Al661453	0.759825	0.012784	0.060378
Adss	0.285352	0.012819	0.060505
Pycr2	0.362481	0.012887	0.060727
E130311K	0.741965	0.012907	0.060757
Tmem185	0.50845	0.012909	0.060757
Cyth4	0.867216	0.01303	0.061213
Selenoh	0.292865	0.013185	0.061786
Tuba1c	0.690186	0.013247	0.061998
Tsc22d2	0.248277	0.013241	0.061998
Fzd8	0.621726	0.013259	0.062035
Gm46404	1.207346	0.01336	0.06245
Mnd1	0.582772	0.01337	0.062476
Spint2	0.561485	0.013422	0.062699
Acyp1	0.385815	0.013532	0.063156
1810013L	0.327923	0.013555	0.063243
Yars	0.527186	0.013684	0.063765
Mir703	0.460725	0.013702	0.063827
Gm44164	0.631803	0.013737	0.063939
Erc1	0.296915	0.013843	0.064387
Sypl	0.152048	0.013875	0.064455
Ptpru	0.502095	0.013903	0.064563
Spa17	0.791591	0.013941	0.064644
Synm	0.166997	0.013942	0.064644
Ankrd11	0.155823	0.013966	0.064738
Tuft1	1.275052	0.014021	0.06495
Ssh3	1.245238	0.014035	0.064991
Nosip	0.303059	0.014043	0.064991
Golm1	0.295572	0.014105	0.065238
Gatad2a	0.23715	0.014124	0.065286
Dcbld1	0.611206	0.014171	0.065444
Rnf130	0.234114	0.014156	0.065394
Steap4	0.646865	0.014255	0.065752
Lcp2	1.255384	0.014274	0.065818
Larp4b	0.210372	0.014304	0.065915
Acsf2	0.588597	0.01433	0.066017
Umps	0.818307	0.014413	0.066296
Serf2	0.137621	0.014448	0.066436
Zc3h12a	0.737813	0.014531	0.066797
Nsd3	0.202483	0.014598	0.067086
Bola2	0.246559	0.014762	0.067693
Nucb2	0.373768	0.014769	0.067702
Trpc4ap	0.273936	0.014792	0.067769
Creg1	0.291955	0.014863	0.06805

Ctc1	0.496262	0.014926	0.068317
Dusp18	1.084368	0.01497	0.068438
Ptpre	0.560638	0.014965	0.068435
Crtc3	0.240449	0.015044	0.068732
Ticam1	0.864909	0.015097	0.068934
Dnajc24	0.443558	0.015279	0.069551
Psme4	0.319581	0.015261	0.069537
Retreg1	0.575159	0.015278	0.069551
Ccnyl1	0.405603	0.015275	0.069551
Gmppa	0.62576	0.015304	0.069646
1110046JC	0.932543	0.015315	0.069676
Gm47817	0.759917	0.015399	0.070013
Bri3	0.152868	0.01542	0.070086
Gm32688	0.450555	0.015494	0.070339
Qars	0.370406	0.015545	0.070486
Ascc1	0.438297	0.015562	0.070518
C1qtnf6	0.862172	0.015617	0.070687
Lmbrd1	0.209637	0.015647	0.070797
Rreb1	0.315447	0.015739	0.071111
Cep57l1	0.58403	0.01574	0.071111
Dbnidd2	0.539586	0.015782	0.071223
Shpk	1.108165	0.0158	0.071272
Gm44292	1.193847	0.015825	0.071321
Pisd-ps1	1.421854	0.015859	0.071432
Comt	0.274917	0.015873	0.071452
Fam210b	0.365254	0.015867	0.071445
Pla2g12a	0.356467	0.016006	0.071945
Lpin1	0.364456	0.016011	0.071946
Zfp605	0.817621	0.01605	0.072055
Kdm1a	0.242665	0.016215	0.072656
Nfyb	0.266462	0.016229	0.072661
Gm37718	1.098906	0.016311	0.072919
Acat2	0.547927	0.016319	0.072933
Gtf2ird1	0.319375	0.016374	0.073137
Ifngr2	0.422843	0.016478	0.073535
Itpr3	0.288878	0.016502	0.073599
Mrpl17	0.246277	0.01664	0.074127
Acer3	0.598053	0.016797	0.074648
Herpud1	0.219572	0.016787	0.074648
Hint3	0.321118	0.016824	0.074724
S100a8	1.478619	0.016895	0.074947
Lrrc8d	0.460798	0.016855	0.074814
Fastkd1	0.651584	0.016962	0.075128
Fndc1	0.732237	0.016964	0.075128
C230096K	0.377774	0.016966	0.075128
Nkd2	0.657608	0.017012	0.075268
Sox12	0.508925	0.01704	0.075345

Mtpn	0.183895	0.01707	0.075436
Mtdh	0.159287	0.017076	0.075437
Aatk	0.814479	0.017182	0.075849
Rab2b	0.390329	0.017203	0.075908
Plppr2	0.964865	0.017352	0.076453
Zfp820	0.554066	0.01735	0.076453
Marchf7	0.196677	0.017369	0.076485
Phlda1	0.473052	0.017502	0.076913
Lrig3	0.745257	0.017531	0.076987
Phc1	0.317852	0.017602	0.077193
Tyrobp	1.344664	0.017632	0.077259
Psmc8	0.19426	0.017631	0.077259
Gm42572	0.652221	0.017659	0.077307
Gm31166	1.134731	0.017748	0.077647
Psmc6	0.193874	0.017752	0.077647
Grk5	0.340423	0.017865	0.078097
Asns	1.021888	0.017945	0.078351
Gm48585	0.670512	0.018137	0.079098
Fam234b	0.87725	0.018231	0.079439
Irx5	0.312937	0.018303	0.079709
Trim46	2.176817	0.018393	0.079981
Tcf7l1	0.366665	0.018384	0.079981
Slc16a9	0.248072	0.018378	0.079981
Eif6	0.220597	0.018391	0.079981
Npr2	0.56906	0.018534	0.080527
Fermt3	1.382754	0.018617	0.080745
Tusc2	0.377506	0.018618	0.080745
Ostm1	0.497643	0.018638	0.080765
Zfp560	0.339585	0.018628	0.080745
Itga3	0.578429	0.01869	0.080923
Lta4h	0.288321	0.018726	0.081031
Lama4	0.219501	0.018749	0.081107
Wipi2	0.308666	0.018812	0.081334
Mrm1	1.104096	0.018925	0.081654
Tead3	0.904419	0.018932	0.08166
Rin1	0.909356	0.018959	0.081754
H2ac24	0.973049	0.019044	0.082021
3110040N	0.644844	0.019058	0.082042
5430416N	0.699468	0.019089	0.082126
Pcdhb7	1.156251	0.019124	0.082229
Mical1	0.384577	0.019134	0.082248
Tmem140	0.265308	0.019173	0.082394
Pigl	1.00194	0.019257	0.082673
Rpl10a-ps1	0.471224	0.01926	0.082673
Ssh1	0.276308	0.019286	0.082737
Wnk1	0.138312	0.019448	0.083337
Chst12	0.706353	0.019484	0.083467

Rasgef1a	0.587404	0.019503	0.083475
Mideas	0.378084	0.019533	0.083558
Rab18	0.166614	0.019625	0.083868
Nav1	0.172579	0.019628	0.083868
Syn3	0.484098	0.019747	0.084302
Cpped1	0.49068	0.019763	0.084347
Gorasp2	0.25867	0.019784	0.084412
Tceal8	0.28255	0.019799	0.084438
Tax1bp3	0.277284	0.019801	0.084438
Gm9800	0.630098	0.019896	0.084745
Dpp3	0.457797	0.019955	0.084875
Sdc4	0.416872	0.020044	0.085181
Ino80b	0.365326	0.020065	0.085247
Tm6sf2	1.07757	0.02015	0.085512
Gm45266	1.089467	0.020158	0.085522
Gm37080	0.948794	0.020175	0.085571
A030001D	0.470354	0.020212	0.085682
Cyp2j6	0.671931	0.020219	0.085682
Rbfa	0.382007	0.020249	0.085786
Eln	0.32463	0.020271	0.085853
Tbc1d10a	0.40746	0.020332	0.086016
Zfp869	0.319831	0.020395	0.08621
Pfdn1	0.191798	0.02047	0.086503
Mxra7	0.184938	0.020491	0.086567
Gal3st3	1.697326	0.020671	0.087181
Ppp1r11	0.203752	0.020641	0.087079
Pigx	0.370692	0.020695	0.08723
Pgs1	0.436681	0.020945	0.088137
Ddt	0.238978	0.021011	0.088387
Adat2	0.898787	0.02105	0.088491
Sumo1	0.178735	0.021017	0.088391
Edem1	0.399585	0.021105	0.088662
Ift43	0.307063	0.021155	0.088819
Mboat7	0.447307	0.021347	0.089527
Ormdl3	0.263316	0.021718	0.090771
Zhx3	0.263022	0.021723	0.090771
Coro1a	2.314306	0.021814	0.091102
Pbxip1	0.256387	0.021793	0.091039
Stard5	0.535992	0.021855	0.09117
Dock1	0.218499	0.021846	0.09117
Tgfbr3	0.250223	0.021851	0.09117
Hdac3	0.384822	0.021913	0.091363
Vps39	0.498146	0.02202	0.091694
Slc35a2	0.438619	0.022067	0.091779
Rab10	0.17303	0.022067	0.091779
Ythdf2	0.272534	0.022153	0.092055
Spata6	0.28424	0.022175	0.092119

Tcea2	0.974903	0.022407	0.092938
Znrf2	0.319395	0.022412	0.092938
Tmem250	0.365118	0.022415	0.092938
Irf1	0.269179	0.022458	0.093091
Ntpcr	0.55066	0.022478	0.093101
P3h4	0.43532	0.022479	0.093101
Osbpl10	0.854782	0.022624	0.093495
Nav2	0.365969	0.022619	0.093495
Ago2	0.235459	0.022623	0.093495
Spindoc	0.521344	0.022818	0.094112
Ppm1j	0.900512	0.022839	0.094147
Mrpl2	0.326059	0.022896	0.094356
Stk3	0.294533	0.02296	0.09457
Oser1	0.332467	0.02302	0.094737
Gm48682	1.635045	0.023073	0.094877
Gm10687	0.696784	0.023152	0.09507
Mrpl33	0.191101	0.023159	0.095076
Ppp1r13b	0.201435	0.023189	0.095166
Lman2	0.218177	0.023288	0.095445
Creb3l2	0.250303	0.023322	0.095507
Cmtm3	0.612842	0.023434	0.095811
Adam15	0.162801	0.023471	0.095936
Tanc1	0.186346	0.023555	0.096172
Gm45716	0.447816	0.023669	0.096534
Immp2l	0.528145	0.023762	0.096835
Rhog	0.32327	0.023809	0.096973
Pcdhb17	0.673892	0.02419	0.098236
Decr1	0.334577	0.024173	0.098213
Impdh2	0.330671	0.024212	0.09824
Psmb2	0.169755	0.024196	0.098236
Cenpt	0.622377	0.024303	0.098529
Zbtb25	0.700692	0.024401	0.098844
Gm43820	0.735636	0.024477	0.099018
Bin3	0.438723	0.02446	0.098979
Rnf114	0.295642	0.024497	0.099074
Tmc4	1.073698	0.024549	0.099255
Rftn1	0.455694	0.024624	0.099533
Retsat	0.543961	0.024746	0.099946
Gyg	0.306128	0.024758	0.099967
Emd	0.255879	0.024784	0.100016
Bag3	0.29361	0.024864	0.100232
Gm49864	1.729954	0.024942	0.100494
Trnau1ap	0.237531	0.024988	0.10059
Bach2	0.557771	0.025022	0.100681
Cnn3	0.169011	0.025051	0.100769
Nudt22	0.473429	0.025301	0.101528
Selenon	0.361077	0.025418	0.101946

Lysmd3	0.304468	0.025522	0.102334
Agl	0.339008	0.025611	0.102664
Slc12a4	0.362682	0.025622	0.102679
Gm37352	0.894451	0.02567	0.10279
Srxn1	0.588901	0.025668	0.10279
Gprc5b	0.565437	0.025763	0.103005
Dnajc10	0.206038	0.025852	0.103299
Gm20008	0.968363	0.02595	0.103604
Stk19	0.349335	0.025931	0.103559
Ppil2	0.30322	0.025995	0.103729
Erich1	0.358796	0.026002	0.10373
Hook2	0.731982	0.02605	0.103782
Mrps7	0.266445	0.02603	0.10377
Rbpms	0.14087	0.026033	0.10377
Kank2	0.242845	0.026085	0.103895
Mprp	0.123613	0.026259	0.104393
Gmds	0.331649	0.026425	0.104915
Zfp687	0.508285	0.0267	0.105951
Gipc1	0.325333	0.026781	0.106214
Gm45223	0.299753	0.026908	0.106523
Gchfr	0.961743	0.026998	0.106761
Vsig2	0.464786	0.027001	0.106761
Med26	0.61768	0.027057	0.106884
Gstt1	0.396693	0.027107	0.107028
Sri	0.14979	0.027123	0.107057
Akna	0.538168	0.027343	0.107674
Pecr	0.932112	0.027377	0.107753
Slc25a5	0.145354	0.027368	0.107745
Ttc39b	0.347617	0.027419	0.10789
B3galt4	0.826143	0.027452	0.107992
Dnaja2	0.183873	0.027542	0.108286
Copz2	0.244539	0.027577	0.108356
Zfp688	0.566896	0.027614	0.108458
1700003F	1.452982	0.027678	0.108651
Coa7	0.385868	0.027779	0.108932
Snap23	0.269674	0.027763	0.108897
Gm4017	1.020968	0.027804	0.108976
Galt	0.43599	0.028077	0.109813
Tm9sf2	0.1646	0.028073	0.109813
Praf2	0.391075	0.028119	0.109904
Impdh1	0.169356	0.028148	0.109947
Cct2	0.189277	0.028189	0.110054
Sord	0.699191	0.028226	0.110111
Xpnpep1	0.322292	0.02822	0.110111
Heph	0.835428	0.028255	0.110193
Mcrip1	0.210644	0.028295	0.110218
Nrbp2	0.592024	0.028326	0.110268

Dennd1b	0.313885	0.028315	0.110254
Galns	1.290303	0.028407	0.110497
Alad	0.302142	0.028363	0.110387
Slc35b1	0.242072	0.028372	0.11039
Isg20	0.522654	0.028454	0.110653
Idua	0.886932	0.028496	0.110759
Gfus	0.381712	0.028538	0.110894
Kifc3	0.250748	0.028677	0.111316
Rcbtb1	0.272781	0.02875	0.111542
Pole2	1.039844	0.028841	0.111835
Ddx3y	0.185924	0.028799	0.111703
Asnsd1	0.420153	0.028901	0.111982
Atp9a	0.452975	0.028913	0.112
Klhl6	0.325735	0.028979	0.112201
Apobec3	0.420751	0.029005	0.11226
Pals1	0.267152	0.029012	0.11226
Jdp2	0.481126	0.029087	0.112412
Heca	0.255475	0.029126	0.112507
Ccdc149	0.834125	0.029217	0.112742
Psma5	0.206873	0.029185	0.112676
Arhgef28	0.328144	0.029353	0.113133
1110065P	0.309224	0.029562	0.113778
2810403D	0.640506	0.029573	0.113785
Fkbp15	0.309547	0.02959	0.113798
Plcd1	0.67058	0.029663	0.114051
Narf	0.339378	0.029692	0.114134
Paip2	0.147032	0.0297	0.114134
Aplp1	0.45651	0.029986	0.115146
Blvra	0.340402	0.030048	0.115268
Capn5	1.02192	0.030246	0.115641
Stim2	0.233222	0.030313	0.115837
Tmem120	0.564767	0.030362	0.115963
Stn1	0.602421	0.030564	0.116558
Hspa1b	0.223716	0.030585	0.116609
Rnaseh2b	0.598202	0.030634	0.116739
Slc41a3	0.786917	0.030652	0.116775
Hexb	0.31989	0.030829	0.117419
Bcorl1	0.413968	0.031162	0.118446
Ttc12	0.686711	0.031506	0.119419
Bambi	0.321523	0.031516	0.119428
Nrgn	0.418697	0.031598	0.119706
Gm49405	1.310477	0.031702	0.120071
Dbn1	0.664808	0.031899	0.120604
Shank3	0.348928	0.031885	0.12058
Cox5b	0.13148	0.031882	0.12058
Hbp1	0.224553	0.032053	0.121002
Arpc1a	0.181801	0.032051	0.121002

Fam149a	0.507292	0.032077	0.121061
Kdm6a	0.249257	0.032109	0.121154
Gm17823	0.986849	0.032219	0.121355
Lrrc58	0.148357	0.032175	0.121266
Amer1	0.453517	0.032301	0.121541
Slc25a24	0.312729	0.032425	0.121914
Ptger1	1.051779	0.03249	0.122128
Atp5c1	0.129391	0.032584	0.122407
Msh5	1.613284	0.032744	0.122762
Mcub	0.372965	0.032708	0.122672
Gem	0.90739	0.033011	0.123529
Parn	0.387712	0.033117	0.123849
Brd4	0.169398	0.033121	0.123849
Pdia5	0.413944	0.033303	0.124435
Luzp1	0.115347	0.033293	0.12443
Cd99l2	0.306581	0.033465	0.124948
Nr2f2	0.210253	0.033514	0.1251
Gm45069	3.823506	0.033643	0.125488
Hus1	0.421743	0.033804	0.125961
Ndufaf7	0.291477	0.033783	0.125916
Cyp1b1	1.47565	0.033951	0.12632
Spidr	0.428376	0.03398	0.126398
Aimp1	0.192451	0.034085	0.126664
Dctn3	0.177601	0.034266	0.127176
Ccdc12	0.169371	0.034308	0.127299
Paqr8	0.553656	0.034386	0.127497
Slc35f1	2.412843	0.034452	0.127644
Washc3	0.316072	0.034542	0.127822
Gm48627	2.160333	0.034672	0.127986
Nfib	0.110807	0.034585	0.127842
B4galt1	0.282333	0.034699	0.128055
Inf2	0.21644	0.034771	0.128194
Elk4	0.200579	0.034855	0.128406
Gm15420	2.34205	0.034931	0.128593
Ltbp3	0.496066	0.035049	0.128933
Tmem170	0.543322	0.035232	0.129509
Pomp	0.111686	0.035212	0.129467
6030400A	1.054383	0.035303	0.129675
Ahdc1	0.331546	0.035262	0.129589
Dcp2	0.349425	0.035354	0.12983
Fbxl21	1.726803	0.035441	0.130054
Ppp1r12c	0.19887	0.035419	0.130004
Rp2	0.518746	0.035508	0.130238
Slc39a7	1.289468	0.035645	0.130675
Iah1	0.36329	0.035717	0.130907
Gm47643	2.32166	0.035813	0.131162
Fah	0.751635	0.03596	0.131453

Tusc1	0.652116	0.035963	0.131453
Plcd3	0.487435	0.036124	0.131913
Acsl4	0.365925	0.036155	0.131962
Mvp	0.296759	0.036194	0.13201
Morrbid	0.388475	0.036347	0.132471
Esrra	0.452439	0.036375	0.132539
Dusp28	0.518995	0.036509	0.132867
Bloc1s2	0.355187	0.036653	0.133293
Pde12	0.422161	0.036792	0.133734
Vkorc1	0.278453	0.036836	0.133862
Wdr83os	0.2145	0.036942	0.134151
Npepps	0.231203	0.036942	0.134151
Tha1	1.238283	0.037047	0.134464
Dnpep	0.226675	0.037151	0.13481
Tubg1	0.458927	0.037379	0.135538
Abcd1	0.409587	0.03741	0.135618
Syndig1l	2.97359	0.037534	0.135953
Eif4e3	0.320236	0.037473	0.135813
Gpsm3	0.327095	0.037539	0.135953
Lamb2	0.143884	0.037591	0.136043
Bmf	0.555863	0.037629	0.136148
Nckipsd	0.589457	0.037801	0.136638
Nedd9	0.21317	0.037995	0.137128
Ikbkg	0.463786	0.038166	0.137623
Bckdk	0.316791	0.038209	0.13768
Tmem134	0.195574	0.038362	0.138034
Cars	0.434212	0.038385	0.138049
Shc1	0.306427	0.038433	0.138134
Gramd4	0.509741	0.038436	0.138134
Bag2	0.52613	0.038598	0.138581
Psmd12	0.192916	0.038704	0.138928
Pctp	0.828502	0.038771	0.139105
Gm26935	1.440329	0.038904	0.139482
Mthfr	0.464956	0.038855	0.139372
Thrsp	0.41074	0.0389	0.139482
Zc3hav1l	0.911928	0.039083	0.139987
Ergic3	0.183866	0.039064	0.139955
Plagl2	0.397261	0.039256	0.140506
Myo18a	0.223381	0.039296	0.140616
Saysd1	0.272769	0.039364	0.140693
Ube2h	0.202917	0.039361	0.140693
Noxo1	1.003621	0.039435	0.140878
Phf5a	0.215101	0.039538	0.141179
Ubap1	0.363979	0.039639	0.141473
Nfu1	0.24971	0.039659	0.141509
Asb6	0.533486	0.03973	0.141728
Tmem218	0.367152	0.040244	0.143187

Bclaf1	0.140777	0.040305	0.143338
Ppp2r2d	0.174401	0.040377	0.14349
Gm47000	2.295427	0.040694	0.14448
Col5a1	1.393684	0.040807	0.144779
Csad	0.306928	0.040772	0.144688
Slc25a17	0.320073	0.040825	0.144807
Cd27	1.281835	0.040907	0.145031
Pars2	0.869908	0.040924	0.145056
Nfatc4	0.41383	0.040956	0.145133
Ahr	0.527465	0.040978	0.145178
Donson	0.582944	0.041163	0.145696
Nqo1	0.806375	0.041309	0.146074
Tmem150	0.578529	0.041389	0.146218
Ehd3	0.285994	0.041386	0.146218
Trmu	0.560152	0.041402	0.14623
Pbx1	0.181334	0.04154	0.146647
Rlim	0.241542	0.041933	0.147759
Nxpe2	0.390968	0.042075	0.148119
Cdc25b	0.632005	0.042343	0.148817
Stamos	1.477874	0.042551	0.149301
Ppp1r35	0.302611	0.042519	0.149227
Hadh	0.198376	0.042519	0.149227
Mylk	0.191504	0.042574	0.149347
Soat1	0.44734	0.042839	0.14995
Bcl2l13	0.381768	0.042846	0.14995
Bbx	0.209371	0.042893	0.15008
Camk2g	0.275605	0.042997	0.150375
Klf15	0.721618	0.043022	0.150384
1700123O	0.290788	0.043071	0.150438
Mknk1	0.52921	0.043142	0.150599
Nxpe3	0.889635	0.043543	0.151715
Tnip2	0.339806	0.043514	0.15171
Tlr3	0.3572	0.043521	0.15171
Pold1	0.492354	0.043566	0.151761
Psma1	0.16846	0.043594	0.151824
Hbb-bt	0.881164	0.043659	0.151944
Rps16-ps2	0.831953	0.043636	0.151897
Fam78a	1.438163	0.043685	0.151999
Cdk5rap3	0.325306	0.043632	0.151897
Dcxr	0.571734	0.043721	0.152053
Agbl5	0.641619	0.04372	0.152053
Marcks1	0.483315	0.043764	0.152169
Slc9a1	0.407147	0.043863	0.152476
Lncpint	0.344357	0.043984	0.152832
Rab8b	0.288451	0.044097	0.153113
Zbtb4	0.156798	0.044144	0.153179
Rxylt1	0.24673	0.044441	0.153987

Bag4	0.360868	0.04464	0.15446
Hic2	0.535904	0.04465	0.15446
Tgfb2	0.175842	0.044645	0.15446
Nrm	0.423207	0.044718	0.154648
Rasd1	0.311326	0.044736	0.154648
Bud13	0.531026	0.044807	0.154859
Chkb	0.451562	0.044842	0.154945
Gm47101	1.308787	0.044928	0.155207
Tmem144	1.294517	0.045113	0.155592
Mrps16	0.205108	0.045109	0.155592
Arf6	0.195615	0.045188	0.155672
Tead1	0.216401	0.045394	0.156346
Usp22	0.257445	0.045407	0.156356
Rnf113a1	0.663427	0.045487	0.156558
Triap1	0.28982	0.045647	0.156893
Macrocl1	0.747788	0.045755	0.157155
Armc10	0.348776	0.045819	0.157268
Bpnt2	0.226386	0.045816	0.157268
Sgk3	0.322751	0.046096	0.157892
Atp6ap2	0.209491	0.046135	0.15799
Wdr45b	0.233046	0.046184	0.158087
Stt3a	0.233003	0.0463	0.158339
Ankzf1	0.4555	0.04652	0.158888
Brd2	0.141816	0.046622	0.159186
Trmt6	0.365067	0.04675	0.159514
Ecpas	0.221823	0.04675	0.159514
Cecr2	0.344016	0.046781	0.159583
Eps15l1	0.298081	0.046856	0.159657
Pcsk4	0.936087	0.046973	0.159975
Vps36	0.164308	0.046992	0.159975
Mfge8	0.14632	0.047285	0.16079
Samsn1	0.723526	0.047398	0.161063
Renbp	0.606365	0.047452	0.161211
Sqstm1	0.168952	0.047517	0.16137
Cdc42ep2	0.306623	0.047535	0.16137
Cipc	0.278424	0.047632	0.161602
Ube2f	0.327519	0.04769	0.161687
Antkmt	0.698205	0.047979	0.162447
Rps27rt	0.270238	0.048215	0.163136
Cdyl2	0.566242	0.048278	0.163277
Macroh2a1	0.743902	0.048332	0.163406
Tor2a	0.322716	0.048339	0.163406
Slc47a2	1.049901	0.048388	0.163488
Mid1ip1	0.314123	0.048385	0.163488
Spes2	0.1359	0.048416	0.16352
Ttr	0.993707	0.048601	0.164071
Gpx3	0.701515	0.048651	0.164175

Ctnnbip1	0.151496	0.048654	0.164175
Pcdhb9	1.611269	0.048794	0.164575
Mmp17	1.386481	0.048967	0.16501
Itfg1	0.247355	0.04899	0.165024
Pals2	0.38231	0.048994	0.165024
Ccl25	0.472564	0.049063	0.165221
Pigyl	0.260451	0.049134	0.165336
Mtmr10	0.310783	0.049192	0.165379
Wdr76	0.490661	0.049208	0.165379
Gm43313	0.696443	0.049478	0.166206
C1galt1	0.281744	0.04953	0.166303
Zfp358	0.293366	0.049638	0.166586
Haus1	0.479635	0.049737	0.16674
Nlr1	0.70888	0.049811	0.166866
Cdr2l	0.410216	0.049807	0.166866
Zbtb22	0.351123	0.049819	0.166866
Cyb5r3	0.123647	0.049883	0.167041
Plaa	0.283282	0.049924	0.167143
Eif4a1	0.137738	0.049984	0.167305
Sdf2	0.204247	0.05012	0.167589
Bax	0.175297	0.050124	0.167589
Zdhhc24	0.595135	0.050254	0.167948
Tmem50b	0.284496	0.050273	0.167974
Rbm43	0.597986	0.05039	0.168294
Car5b	0.396442	0.050445	0.168397
Slc46a3	0.284508	0.050627	0.168818
Spag5	2.123882	0.051015	0.169921
Adamtsl4	0.621097	0.051246	0.170501
Wsb2	0.234265	0.051261	0.170514
Cisd3	0.398681	0.051352	0.170729
Ccl6	2.691034	0.051458	0.170939
Scaf11	0.142016	0.051415	0.170839
Spag9	0.117854	0.051571	0.171189
Gm1976	1.252366	0.051743	0.171697
Vps72	0.261097	0.051973	0.172346
Cdyl	0.340323	0.051997	0.172388
P2rx4	0.331628	0.052032	0.172453
Ndufb4	0.207917	0.05204	0.172453
Abcc5	0.295401	0.052076	0.172534
Gtpbp2	0.237953	0.052114	0.172622
Hnrnp1	0.150465	0.05222	0.172935
Slc7a6	0.728164	0.05241	0.17341
Traf3ip2	0.790076	0.0524	0.17341
Mthfd1l	0.956681	0.052478	0.173484
Maml1	0.331573	0.052457	0.17345
Smyd2	0.413611	0.052498	0.17351
Klf7	0.109274	0.052534	0.173591

1700120C	0.889995	0.052807	0.174316
Samd1	0.392914	0.052796	0.174316
Abt1	0.322105	0.052806	0.174316
C130089Kl	0.522604	0.052812	0.174316
Nelfcd	0.328681	0.052981	0.174722
Gm44950	0.51939	0.053106	0.174979
Rtkn	0.822995	0.053203	0.175222
Atp13a3	0.21601	0.05335	0.175574
Bcat2	0.451343	0.053372	0.175586
Zmiz2	0.254203	0.053769	0.17638
Gm43362	0.258679	0.053842	0.17644
Asah2	0.404916	0.05388	0.176518
Smco4	0.157721	0.054406	0.178007
Dnajc1	0.178201	0.054594	0.178467
Zdhhc8	0.2982	0.054877	0.179117
Cic	0.217815	0.0549	0.179117
Tmem38b	0.386467	0.055122	0.179803
6330403Ll	0.718068	0.055279	0.180274
Acss2	0.619013	0.055352	0.180473
C4b	1.05124	0.055389	0.180515
Snd1	0.349676	0.055437	0.18063
Taf10	0.177137	0.055684	0.181238
Fdx1	0.239101	0.055721	0.18132
Fzd10os	1.864776	0.055781	0.181413
Lin7a	0.488823	0.055789	0.181413
Pcf11	0.191467	0.055834	0.181413
Scamp3	0.253652	0.055843	0.181413
Gemin7	0.183378	0.055838	0.181413
Fance	0.312681	0.056033	0.181823
Ebp	0.244688	0.056047	0.181828
Zfp579	0.504729	0.056238	0.182288
Tmem222	0.322478	0.056256	0.18231
Erp44	0.231785	0.056477	0.182906
2310001H	0.408053	0.056756	0.18365
Gtf2a2	0.171661	0.056774	0.183668
Rab8a	0.233251	0.056898	0.183991
Tgif1	0.463397	0.057146	0.184593
Tbcd	0.454522	0.05719	0.184655
Ankrd33b	0.238294	0.057641	0.185951
Hexim1	0.235959	0.058049	0.186984
Nr5a2	0.530848	0.058509	0.188305
Hdac9	0.312236	0.058507	0.188305
Gab2	0.317226	0.058722	0.188911
Kif16b	0.431085	0.058907	0.189341
Tmcc3	0.20978	0.059	0.1896
Gm15500	0.364345	0.059082	0.189722
CamI	0.228654	0.059075	0.189722

Larp4	0.221917	0.059105	0.189733
Txndc12	0.254673	0.059241	0.190088
Zfp764	0.506027	0.059278	0.190123
Cdt1	1.243941	0.059718	0.191225
Gm43387	0.856133	0.059753	0.191282
Hdac6	0.511921	0.059927	0.191633
Tst	0.633658	0.059986	0.191699
Thumpd2	0.605499	0.060057	0.191885
Tmem43	0.323315	0.060089	0.191885
Chrna1os	1.348554	0.060173	0.191969
Ddx42	0.177035	0.060384	0.192436
Gm33370	1.044088	0.060464	0.192528
Osbpl2	0.275127	0.060424	0.192487
Sema3b	1.846342	0.060527	0.192572
Lrrc20	0.471026	0.060504	0.192572
Zbtb7b	0.482056	0.060551	0.192572
Ywhaz	0.09806	0.060555	0.192572
Rrp36	0.358722	0.060902	0.19351
Arrdc1	0.326291	0.061029	0.193791
Lamp1	0.109219	0.061027	0.193791
Epha7	0.736751	0.061081	0.193833
Glrx3	0.180056	0.061077	0.193833
Alox5ap	1.110212	0.061442	0.19473
Sgms1	0.089071	0.061426	0.19473
Jmjd7	0.754527	0.061544	0.19488
Gm15545	1.152077	0.061547	0.19488
Clk1	0.128244	0.061866	0.195619
Itprl2	0.185451	0.061891	0.195633
Mgrn1	0.241098	0.061896	0.195633
Ints13	0.269995	0.06218	0.196268
Cemip2	0.264446	0.062387	0.196687
Pip4p2	0.364025	0.06266	0.197461
Metrl	0.760971	0.062765	0.197712
Zfp52	0.474119	0.062852	0.197943
Smim20	0.326303	0.062881	0.197993
Nrtn	1.025956	0.063203	0.198799
Lsp1	1.611082	0.063548	0.199525
Acy3	0.49128	0.063554	0.199525
Tmem220	0.706527	0.063687	0.199856
Gpr108	0.278899	0.063799	0.200125
H2-M3	0.270774	0.063882	0.200303
Rgs3	0.166215	0.063968	0.200446
Pradc1	0.304672	0.064208	0.20103
Minpp1	0.360646	0.064264	0.201162
1700025G	0.432475	0.064362	0.201301
Uqcrb	0.090284	0.06434	0.201299
Dok3	1.139612	0.06443	0.20143

9430034N	0.634931	0.064716	0.202238
Eid2	0.273969	0.064709	0.202238
4921515G	1.099379	0.064787	0.202335
Topors	0.214028	0.064736	0.202259
Dll1	0.754328	0.06477	0.202323
Slc25a25	0.299716	0.065007	0.202935
Zswim8	0.224768	0.065096	0.203129
Ocel1	0.203571	0.065465	0.204068
Hmga1b	0.649906	0.065609	0.20424
Siah2	0.397714	0.065615	0.20424
Cdk2	0.398167	0.065801	0.204711
Celf5	1.444713	0.065975	0.205062
Gtf2f2	0.370822	0.065911	0.20499
Adpgk	0.532725	0.065943	0.205032
Gm47112	2.251291	0.066209	0.205577
Gm26759	0.633706	0.06621	0.205577
Retnlg	1.752197	0.066504	0.206276
Pde7b	0.394178	0.066424	0.206072
Rpl6l	0.947554	0.06684	0.207105
Tbc1d8	0.335836	0.066778	0.207042
Pafah2	0.787302	0.066833	0.207105
Ddx21	0.221936	0.066827	0.207105
Snx17	0.194389	0.066899	0.207245
Sinhcaf	0.365927	0.067061	0.207618
Klk8	0.568156	0.067524	0.208764
Gdpd5	0.300946	0.067489	0.208764
Cox14	0.150583	0.067529	0.208764
Pip5k1c	0.202306	0.067604	0.208953
Ap1g2	0.676634	0.067756	0.209294
Tspan2	0.304447	0.067772	0.2093
Casp6	0.260495	0.067797	0.209332
Armt1	0.495939	0.067931	0.209585
Zdhhc1	0.326402	0.067946	0.209585
Tmem158	0.491958	0.067962	0.209585
Tmem37	0.412503	0.067945	0.209585
F2r	0.414533	0.067962	0.209585
Gxylt1	0.256824	0.068033	0.209734
Eef2kmt	0.294294	0.068106	0.209899
Slc31a2	0.196659	0.068145	0.209974
Dlst	0.242005	0.068224	0.210174
Neu1	0.33495	0.0683	0.210324
Creld1	0.320376	0.068336	0.21039
Gm4468	0.734267	0.068475	0.210776
Pdha1	0.203965	0.0685	0.210793
Nmt1	0.177749	0.068542	0.210851
Fcho1	1.807747	0.068631	0.210985
Sdhaf4	0.219665	0.068678	0.211051

Rbm18	0.242767	0.068819	0.211398
Fam217b	0.391377	0.068869	0.211476
Ern1	0.382058	0.068899	0.211476
Rpl37rt	0.356344	0.06892	0.211476
Atxn10	0.236689	0.068906	0.211476
Ankrd28	0.254629	0.068929	0.211476
Tex2	0.459631	0.06913	0.211949
Cyp20a1	0.306634	0.069146	0.211949
Ggh	0.229675	0.069154	0.211949
Aff1	0.202139	0.069312	0.212304
Glod4	0.233821	0.069631	0.213064
Rps2-ps9	0.609153	0.069668	0.213133
Gm49774	1.383347	0.069752	0.213216
Fam89a	0.6738	0.069717	0.213196
3110009E	0.669477	0.070001	0.213666
Etfa	0.214533	0.070005	0.213666
Dctn2	0.150229	0.070014	0.213666
Prkacb	0.158436	0.070126	0.213877
Mlec	0.271011	0.070404	0.214463
Pih1d1	0.275726	0.070526	0.214747
Eif3b	0.188385	0.070548	0.214771
Ammecr1	0.319889	0.070588	0.214793
Slc7a7	0.430223	0.07062	0.214816
Mtmr7	0.6884	0.070744	0.215105
Neurl1a	1.100822	0.070871	0.215317
Gdpd3	0.871033	0.070953	0.215502
Mertk	0.243815	0.070975	0.215502
Omd	0.559562	0.071012	0.215571
Gm10138	0.66231	0.071071	0.215663
Ubash3b	1.069759	0.071094	0.215689
Ndufb7	0.10567	0.071198	0.215915
Mmp14	0.444299	0.071245	0.215969
Tra2b	0.127634	0.071228	0.215964
H3c6	0.908941	0.071391	0.216316
Nek3	0.691847	0.071402	0.216316
Casp9	0.452711	0.071829	0.217434
Dmac2l	0.51984	0.072495	0.219139
Tmem30a	0.114225	0.072518	0.219163
Ube2b	0.12337	0.072551	0.219176
Zscan2	0.627464	0.072702	0.219454
Ggta1	0.243578	0.072685	0.219447
Jade2	0.26119	0.072738	0.219475
Aga	0.436171	0.07281	0.219649
Uhrf2	0.183775	0.072925	0.219847
Myadm	0.220855	0.072935	0.219847
Atp10a	0.136309	0.07302	0.220046
Uvssa	0.225883	0.073136	0.220319

Lyrm9	0.41133	0.073218	0.220488
Slc29a3	0.507294	0.07324	0.220488
Pcdhb21	0.920289	0.07323	0.220488
Hps1	0.742556	0.073251	0.220488
C230053D	0.645856	0.073278	0.220526
Adam11	0.815618	0.073321	0.220566
Csnk1d	0.204645	0.07375	0.221456
Zfp526	1.031697	0.074053	0.222278
Pxmp4	0.302172	0.074041	0.222278
Gm20655	0.52747	0.074128	0.22246
Gale	0.932779	0.074274	0.222851
Gm43336	0.431054	0.074347	0.222983
Alg5	0.264321	0.074402	0.223057
Tmem38a	0.61193	0.074582	0.223418
Wsb1	0.211166	0.074702	0.223733
Gm42671	1.384475	0.074919	0.224177
Plekha2	0.249764	0.074873	0.22411
Chpf2	0.360142	0.074964	0.224204
Eif2ak4	0.372299	0.074979	0.224204
Shoc2	0.176056	0.075008	0.224246
Inpp5k	0.230462	0.075124	0.224547
Ncf1	2.355632	0.075605	0.225671
Prelid2	0.424829	0.075585	0.225654
Txndc11	0.315124	0.075644	0.225742
Elfn2	1.637563	0.075966	0.226477
Erbp2	0.415585	0.075997	0.226522
Trpm4	0.351921	0.076036	0.226548
1110059G	0.216529	0.076217	0.226964
Tvp23b	0.197146	0.076287	0.227071
Mrpl23	0.448264	0.076708	0.228098
Adamts15	0.507199	0.077246	0.229463
H1f10	0.617456	0.077271	0.229463
Zfp277	0.316551	0.077441	0.229867
Oxsm	0.623914	0.077531	0.230062
Gm10644	1.332596	0.077691	0.230427
N4bp1	0.152767	0.077811	0.230691
Sh2b3	0.182599	0.077872	0.230746
Bora	0.70302	0.077929	0.230765
Cttn	0.212904	0.07808	0.231166
U2af1l4	1.043037	0.078173	0.231209
Art3	0.255794	0.078194	0.231209
Chn2	0.23092	0.078186	0.231209
Tmem181l	0.389022	0.078251	0.231309
Lsm5	0.193656	0.078283	0.231356
Mtmr2	0.243064	0.078383	0.231607
Map1s	0.363024	0.078447	0.231706
Cdc34	0.29283	0.078502	0.231776

Zfp668	0.636075	0.078544	0.231827
Abcb8	0.56274	0.078551	0.231827
Isca1	0.289415	0.078647	0.232026
Zbtb17	0.429152	0.078899	0.232673
Nup98	0.209681	0.079185	0.233471
L3mbtl3	0.318494	0.079224	0.23354
Mospd3	0.327823	0.079257	0.233589
Mcf2	0.198323	0.079284	0.233611
Ilf2	0.190312	0.079375	0.233753
C230037L1	0.664754	0.07946	0.233958
Tmf1	0.157472	0.079611	0.234321
Pafah1b1	0.101745	0.079801	0.234547
Rwdd3	0.731073	0.079867	0.234631
Nectin1	0.599092	0.079877	0.234631
Chmp1a	0.240543	0.08001	0.234883
Clic5	0.127887	0.08012	0.235022
Pdcd4	0.182333	0.080214	0.235206
Gm43817	0.734808	0.080368	0.235474
4930581F2	0.226239	0.080357	0.235474
Tead4	0.318212	0.080647	0.236176
Pde6d	0.220372	0.080808	0.236485
Ripk2	0.390738	0.081104	0.237195
Cand2	0.965827	0.081313	0.237497
Nrde2	0.395995	0.081368	0.237614
Pacs2	0.311522	0.081558	0.238029
Polr1has	0.457453	0.081796	0.238533
Os9	0.1863	0.081786	0.238533
Srsf11	0.116564	0.081859	0.238533
Pmm1	0.222642	0.081888	0.238533
Fiz1	0.347109	0.081922	0.238533
Ggact	0.27306	0.081915	0.238533
Gm45222	0.454165	0.08196	0.238597
Sec11c	0.168936	0.081998	0.238633
Acd	0.314321	0.082108	0.238843
Agpat5	0.203729	0.082106	0.238843
Ttc23	0.380015	0.082304	0.239216
Pgp	0.14986	0.082311	0.239216
Gm38357	0.742703	0.082481	0.239554
Anapc15	0.452933	0.082583	0.239758
Zranb1	0.169601	0.082697	0.240042
Srms	0.482802	0.082723	0.240043
Gm14303	0.280574	0.082844	0.240331
Tbx3	0.166561	0.082906	0.240416
Prpf6	0.186614	0.082938	0.240463
Sco1	0.608796	0.082997	0.240562
Pla2g15	0.592037	0.083114	0.240753
Itpa	0.278093	0.083229	0.24098

Gstp1	0.224446	0.083326	0.241168
Gm43795	0.432748	0.083375	0.241263
Hnrnpk	0.087158	0.083451	0.241436
Diaph2	0.238243	0.08369	0.241798
Cdh20	1.578997	0.084104	0.242822
49334040	1.17906	0.084109	0.242822
Snhg16	0.486199	0.084138	0.24286
Ints12	0.40004	0.08418	0.242934
Cnih1	0.185548	0.084283	0.243139
Il15ra	0.373371	0.084762	0.244285
Phactr1	0.198887	0.084891	0.244561
Pcgf2	0.362873	0.08501	0.244812
Ppm1g	0.184393	0.085111	0.245056
Fbxw4	0.337427	0.08555	0.245987
Tbl2	0.531909	0.085726	0.246447
1700066B	2.001574	0.085824	0.246632
Eif4g1	0.130497	0.085816	0.246632
Vmac	0.33861	0.085969	0.246859
Rbm39	0.074419	0.086272	0.247444
1700105P	1.957003	0.086446	0.247755
Zfp51	0.547277	0.086425	0.247755
Ube2cbp	2.04534	0.08663	0.248077
Atg3	0.210798	0.086526	0.247876
Kctd18	0.345142	0.086538	0.247876
Cdk16	0.213993	0.086749	0.248289
Kat2b	0.197206	0.086829	0.248471
Fabp7	1.511511	0.087112	0.249044
Sowahc	0.433783	0.087132	0.249053
Hmces	0.365434	0.087217	0.249248
Inafm2	0.301472	0.087295	0.249424
Ccm2l	0.161946	0.087519	0.24992
Nkapl	0.509992	0.087708	0.250269
Tada2b	0.290915	0.087795	0.250469
Gpx7	0.350823	0.087885	0.250679
Slc30a7	0.281189	0.087909	0.250699
Cdc42	0.083485	0.088212	0.251371
Mmgt1	0.313837	0.088265	0.251428
Gm42576	0.491847	0.088352	0.251585
Rap2a	0.247504	0.088354	0.251585
Fundc1	0.258213	0.08871	0.252407
Mta3	0.363328	0.088762	0.252508
4831440D	1.793841	0.088853	0.252623
Ilrun	0.173795	0.088896	0.252696
lqgap2	1.681558	0.088996	0.252885
ltpr2	0.175375	0.089136	0.253186
Txnrd1	0.207679	0.089167	0.253226
Mark4	0.275188	0.089214	0.253255

Tmem179l	0.265544	0.089228	0.253255
Dapp1	0.746447	0.0893	0.253363
Adam9	0.304372	0.089414	0.25364
Hdc	0.804245	0.089513	0.253776
49334210	0.46501	0.089477	0.253723
Tgfb1	0.20025	0.089649	0.254064
Zfp839	0.385376	0.089715	0.254131
Pomgnt1	0.274735	0.089722	0.254131
Ak3	0.153913	0.089827	0.254196
Ccdc122	0.720568	0.090007	0.254597
Mpi	0.458758	0.090041	0.254645
Eif4e2	0.223578	0.090117	0.254774
Hmgb2	0.12935	0.09012	0.254774
Zfp362	0.251251	0.090336	0.255286
Svbp	0.204177	0.09049	0.255546
Clint1	0.189007	0.090496	0.255546
Zfp7	0.561834	0.0907	0.256027
Tedc2	0.637053	0.090812	0.256294
Rilpl2	0.339791	0.091346	0.257509
Akr1b10	0.538293	0.091622	0.258044
Fundc2	0.173247	0.09161	0.258044
Gm18068	0.485379	0.091751	0.258358
Tcp11l2	0.227522	0.091809	0.258475
Gm26826	1.716807	0.091894	0.258575
Gm45033	1.054663	0.09189	0.258575
Npat	0.280193	0.091928	0.258616
Casp3	0.511857	0.091969	0.258682
Rgs19	0.416358	0.092012	0.258687
Psma2	0.116602	0.092023	0.258687
Gm26724	0.394491	0.09251	0.259763
Dtnbp1	0.239034	0.092493	0.259763
Gm7694	0.785465	0.092612	0.259952
Ubac2	0.275321	0.092821	0.260165
Peg13	0.192104	0.092925	0.260343
Dleu7	1.27131	0.092982	0.260404
Nadk	0.229325	0.093008	0.260429
Dmwd	0.205471	0.0931	0.26059
Mir181a-1	0.887247	0.093221	0.2608
Hdac4	0.272008	0.093228	0.2608
Tmem94	0.306786	0.093517	0.261325
Prrc2c	0.094356	0.094087	0.262512
Herpud2	0.181521	0.094102	0.262512
L1cam	0.635255	0.094147	0.262588
Pex16	0.366277	0.094176	0.262608
Bloc1s3	0.543238	0.094392	0.263075
Golt1b	0.340832	0.094661	0.263718
Lmcd1	0.230905	0.094758	0.263897

Gm4332	0.40902	0.094791	0.26394
Stard13	0.199495	0.094987	0.264439
Esrrb	0.343815	0.095076	0.264635
Krt222	0.793994	0.095197	0.264874
Syce2	0.548205	0.095176	0.264866
Parvb	0.123789	0.095858	0.266318
Trappc14	0.612469	0.09592	0.266392
Tbcc	0.233294	0.095988	0.266482
4930509H	0.451037	0.096973	0.268721
Srsf2	0.102987	0.096974	0.268721
Mpp7	0.25584	0.097064	0.268919
Vsig10l	0.866507	0.097139	0.269045
Gm2a	0.245853	0.097145	0.269045
Ccnd2	0.141138	0.097201	0.269099
Fam131a	0.469487	0.097273	0.26925
Lap3	0.211627	0.097515	0.269856
Rad18	0.574524	0.097785	0.270366
Selenoi	0.318907	0.097926	0.270657
BC051142	1.633818	0.098208	0.271121
Uchl1	0.20849	0.098153	0.271084
Eif5a2	0.424072	0.098203	0.271121
Zdhhc18	0.197594	0.09831	0.271238
0610040B	0.634334	0.098556	0.271631
Smim14	0.111378	0.098547	0.271631
Cpd	0.107956	0.098569	0.271631
Rela	0.170088	0.098615	0.27165
Slc39a13	0.288418	0.09864	0.27165
Pgf	0.430266	0.098786	0.27198
Mcat	0.448938	0.09881	0.271995
Stub1	0.130608	0.098896	0.272182
G0s2	0.358202	0.099067	0.272554
D130040H	0.823333	0.099261	0.27289
Gpn2	0.442228	0.099326	0.273015
4933439C	0.519535	0.099432	0.273254
Cnksr1	1.653645	0.099619	0.27372
Pde2a	0.281274	0.099675	0.273776
Ncstn	0.207961	0.099684	0.273776
Rapgef3	0.211154	0.099709	0.273776
Gpc4	0.437094	0.099726	0.273776
Trit1	0.489735	0.099826	0.273937
Dag1	0.126648	0.099799	0.273913
Pola2	0.366232	0.100034	0.274456
Canx	0.113112	0.100105	0.274601
Gm47370	1.484239	0.100402	0.275113
Zfp330	0.222427	0.100532	0.275233
Otud7b	0.170547	0.100537	0.275233
Slc1a4	0.806865	0.100721	0.275483

Cmtm8	0.130437	0.100692	0.275466
Gm43712	0.678058	0.100922	0.275881
Zfp69	0.488062	0.101108	0.276289
Acot9	0.235827	0.101142	0.276306
Pa2g4	0.161075	0.101181	0.276337
Rnf139	0.233406	0.101241	0.276385
Bbs4	0.340531	0.101623	0.277127
Uqcc3	0.14347	0.101637	0.277127
Srf	0.43802	0.101757	0.277258
Rnf165	0.570493	0.101748	0.277258
Nfkbid	1.399041	0.101867	0.277451
Zc3h3	0.406548	0.102204	0.278167
Prrg3	0.607965	0.102266	0.278185
Knstrn	1.178632	0.102499	0.278716
Taldo1	0.117107	0.10257	0.27886
Grb7	0.482703	0.102619	0.278892
Srr	0.346754	0.102613	0.278892
Homez	0.481375	0.102774	0.279261
Pakap-2	0.205594	0.103001	0.279776
Ttc32	0.304527	0.103281	0.280435
Acbd3	0.156729	0.10336	0.280549
Zbtb34	0.395076	0.103408	0.280627
Nsg1	0.502976	0.1035	0.280776
Tssc4	0.252799	0.103603	0.280952
Atp8a1	0.151988	0.103712	0.281096
Lrpap1	0.155026	0.10376	0.281135
Adrm1	0.192535	0.103799	0.281179
Dusp5	0.78395	0.10406	0.281682
Cttnbp2nl	0.14208	0.104216	0.2819
Mapk6	0.242263	0.104373	0.282172
4833445I0	2.929454	0.10452	0.282319
Cd53	2.242844	0.104521	0.282319
Fbxo36	0.609105	0.104476	0.282319
Fam171a2	0.417627	0.104514	0.282319
Trmt1	0.301292	0.104643	0.282551
Fez2	0.17202	0.104765	0.282737
A930036I1	4.567039	0.105363	0.283926
Wwp1	0.193078	0.105265	0.283713
Gla	0.533179	0.105558	0.284401
Pde10a	0.55005	0.105629	0.28454
Dctpp1	0.27434	0.105728	0.284666
Rab7	0.12122	0.105722	0.284666
Tmem67	0.419845	0.105733	0.284666
Cr1l	0.132942	0.105847	0.284872
Yes1	0.169961	0.105991	0.285155
Vcp	0.105369	0.106094	0.28528
Mrps18c	0.165309	0.106329	0.28581

Gatd1	0.300042	0.10641	0.285924
Mrpl54	0.195022	0.106496	0.286001
2510002D	0.183913	0.106663	0.286347
Gltpt	0.19052	0.106718	0.286393
Serhl	0.25563	0.10671	0.286393
Gm29214	4.886062	0.106918	0.286774
Slc35c2	0.51988	0.106898	0.286771
Gpbp1l1	0.171101	0.106995	0.28693
Kdelr2	0.166452	0.107023	0.286953
Lurap1	0.3424	0.107054	0.286984
Fam220a-	0.423365	0.107237	0.287271
Drap1	0.111053	0.107221	0.287271
Lmf2	0.274597	0.107374	0.287534
Mnt	0.291039	0.107503	0.287777
Nucb1	0.139076	0.107802	0.288423
St7	0.443561	0.108332	0.289531
Skil	0.146863	0.108401	0.289662
Ghdc	0.367638	0.108496	0.28979
Ankrd34a	0.917974	0.108624	0.290004
Rac2	1.805551	0.108732	0.290132
Nfkbil1	0.276677	0.108658	0.290004
Rpp40	0.841096	0.108753	0.290137
Kctd6	0.292915	0.108899	0.290319
Rfxap	0.199469	0.10905	0.290601
Ints7	0.374349	0.109063	0.290601
Pycard	0.524625	0.109275	0.291011
Nr1h3	0.484187	0.109471	0.291325
Zfp512	0.243639	0.109582	0.291465
Zfp994	0.363735	0.109692	0.291656
Trim47	0.124012	0.109691	0.291656
Prmt1	0.157629	0.109958	0.291869
Ppp2cb	0.244852	0.109968	0.291869
Selenos	0.18632	0.110088	0.292034
Gmip	0.542396	0.110164	0.292131
Gm50094	0.79302	0.11065	0.293129
Nbeal2	0.334864	0.110915	0.293613
Atp23	0.569584	0.110958	0.293613
Ube2e3	0.140664	0.110942	0.293613
Rab21	0.14002	0.110937	0.293613
Gm46447	1.629512	0.111278	0.294355
Unc119b	0.182445	0.111413	0.294505
Cux1	0.151924	0.111446	0.294541
Bloc1s6	0.259623	0.111528	0.294706
Pop7	0.243061	0.111649	0.294973
Rere	0.147692	0.111744	0.295119
Eif2b2	0.242906	0.111797	0.295154
Plek	0.945087	0.112151	0.295725

Plod3	0.216431	0.112121	0.295698
Met	1.870394	0.112241	0.295753
Ccdc9	0.249635	0.112365	0.296027
Sec62	0.076869	0.11265	0.296622
Dnttip1	0.230789	0.112776	0.296808
Gm43773	1.243408	0.112938	0.297001
Gm13611	0.421688	0.112949	0.297001
Wtap	0.164044	0.113037	0.29712
Sap18	0.153799	0.113079	0.297137
Pbx2	0.209969	0.113181	0.297341
Tpp2	0.191346	0.113285	0.297506
Ogfod3	0.311903	0.113343	0.297506
Wwp2	0.260577	0.113586	0.298038
Acat1	0.178638	0.113572	0.298038
Gm14212	1.035373	0.113681	0.298133
Rheb	0.112459	0.113672	0.298133
Gm42571	0.516573	0.114116	0.299062
Gmppb	0.394879	0.114839	0.300798
1500026H	0.690472	0.11499	0.300985
Ghr	0.310152	0.114972	0.300985
Zfp1	0.354825	0.115087	0.301187
Zfp326	0.172237	0.115452	0.301936
Antxr2	0.71406	0.115572	0.301936
Atp6v0c	0.093668	0.115535	0.301936
Bmyc	0.187387	0.115858	0.302412
C1qtnf12	0.341654	0.115919	0.302465
1600014C	0.45955	0.116205	0.303157
Coro1c	0.174333	0.11656	0.303979
Ptdss1	0.272762	0.116974	0.304733
Tmem147	0.167416	0.116964	0.304733
Alg2	0.318583	0.117209	0.305191
Dynlt2b	0.286132	0.117454	0.30556
Mrps18b	0.352802	0.117493	0.30556
B230206L	0.975637	0.117537	0.305568
Brd1	0.143493	0.117516	0.305565
Nsd2	0.212334	0.11777	0.306121
Slc26a6	1.036312	0.117884	0.30631
Dhrs13	0.677482	0.117865	0.30631
Ttyh3	0.37146	0.117968	0.306374
Hecw2	0.379645	0.118033	0.306483
Prr36	1.738012	0.118134	0.306605
Trmt61b	0.452379	0.118141	0.306605
Spef2	2.21369	0.118302	0.306865
Exosc5	0.25034	0.118256	0.306851
Gm44834	1.296556	0.118401	0.307013
Eva1b	0.13571	0.118391	0.307013
Gm42690	1.170669	0.118591	0.307402

Pank2	0.22415	0.118713	0.307557
Lamtor2	0.120583	0.118855	0.307872
Ccdc148	0.601361	0.119114	0.308435
Wac	0.122716	0.119162	0.308506
Gm4356	0.620784	0.119203	0.30856
Aldh3a2	0.247576	0.119379	0.308962
Trappc3	0.170887	0.119464	0.309076
Srd5a1	0.76351	0.119554	0.309253
Sirpa	0.408717	0.119662	0.309481
Paqr3	0.730468	0.119826	0.309689
Arnt	0.191268	0.120141	0.310129
Coq8b	0.488789	0.120457	0.310892
Uap1	0.193049	0.120578	0.311097
Tent5c	0.992426	0.120718	0.311377
Elovl1	0.200931	0.120825	0.311573
Ppia	0.057475	0.120952	0.311793
Lamb1	0.323944	0.121675	0.313333
Ppp1cc	0.175596	0.121852	0.313695
Hes6	0.341191	0.122032	0.31393
Foxred1	0.479838	0.122271	0.314245
Gatad2b	0.132219	0.12256	0.3148
2410002F2	0.337509	0.12296	0.315499
Pnpla7	0.784765	0.123531	0.316719
Cst6	0.719506	0.123582	0.316719
Entpd6	0.635416	0.123578	0.316719
Rbm8a	0.108579	0.123582	0.316719
Brwd3	0.258346	0.123611	0.316738
Med4	0.180655	0.123695	0.3169
Nfxl1	0.358154	0.123767	0.31703
Rps2-ps10	0.525731	0.123814	0.317096
ENSMUSG1	0.64307	0.123894	0.317246
Nxph4	0.628542	0.123919	0.317257
Zbtb46	0.193892	0.124028	0.31748
Gm15270	0.378925	0.124104	0.317568
Mtg1	0.394914	0.124349	0.317991
Gm16751	0.747784	0.124528	0.31819
Coq3	0.440062	0.124525	0.31819
Fkbp14	0.391298	0.124519	0.31819
Coro7	0.328907	0.124539	0.31819
Slfn2	0.306313	0.124676	0.318379
Pgap3	0.556174	0.124969	0.31891
Dtd2	0.26797	0.125011	0.318961
Ncmap	1.647098	0.125686	0.320248
Gstm1	0.134987	0.125677	0.320248
Cilk1	0.17101	0.125682	0.320248
Maz	0.181009	0.125823	0.320432
Plpp3	0.17888	0.126416	0.32155

Snhg5	0.34117	0.126455	0.32155
6720489N	0.991079	0.126486	0.321575
Mob2	0.168729	0.126566	0.321613
Ipo11	0.25342	0.126681	0.321771
Gm8692	0.968944	0.127111	0.322504
E230029C	0.701913	0.127139	0.322504
Ptprc	1.669122	0.127204	0.322523
Sdf4	0.108587	0.127136	0.322504
Gabarapl1	0.119567	0.127178	0.322513
Gm47479	0.517156	0.127674	0.323276
Ppp1r10	0.178218	0.127701	0.323291
Lgals3bp	0.193994	0.12791	0.323654
Apobec2	1.08034	0.128258	0.324263
Apol10b	0.38685	0.128363	0.324283
Proser1	0.249032	0.128374	0.324283
Cbll1	0.200034	0.128413	0.324324
Lonrf2	1.31115	0.128733	0.324861
Sin3b	0.14171	0.128673	0.324789
Galc	0.365107	0.128683	0.324789
Gm15708	1.019276	0.128795	0.324899
Dcaf4	0.525715	0.128851	0.324907
Cox11	0.325453	0.129151	0.325474
Rars2	0.397192	0.129214	0.325545
Cxxc5	0.265473	0.129248	0.325545
Gm11478	0.180057	0.129295	0.325545
Fbxl20	0.231202	0.129328	0.325545
Slc30a4	0.254361	0.129331	0.325545
Rpl7-ps9	0.406251	0.129421	0.325661
Fam114a2	0.159509	0.129667	0.326173
Rnf169	0.22326	0.129702	0.326204
Synj2	0.496486	0.13003	0.326866
Gm11532	1.116508	0.130287	0.32734
Tnfaip1	0.114098	0.130253	0.327316
Ccdc88a	0.137877	0.130578	0.327858
Dld	0.165842	0.130899	0.328389
Ddx54	0.178415	0.131077	0.328781
Slc25a23	0.243106	0.131113	0.328816
Zfp414	0.352628	0.131164	0.328854
Tbx3os1	0.275847	0.131472	0.329275
Suc1g2	0.20858	0.131527	0.3293
Psmc9	0.200235	0.131667	0.329543
Rala	0.119593	0.131888	0.329873
Adgre5	0.124774	0.132185	0.330484
Tmub2	0.260564	0.132282	0.330529
Tada3	0.261998	0.132571	0.331128
Ankrd12	0.097075	0.132655	0.331128
Strn3	0.107316	0.132877	0.331518

Olfm2	0.684062	0.133139	0.332004
Slc25a53	0.499288	0.133219	0.332149
1500015A	0.496267	0.133265	0.332165
Casc3	0.181371	0.13327	0.332165
Prdx3	0.196399	0.1334	0.332379
1110013H	1.087779	0.13347	0.332443
Slc35c1	0.582459	0.133701	0.332809
4930590JC	1.088788	0.133863	0.332978
Eil	0.3022	0.133844	0.332978
Lrp4	0.449669	0.133887	0.33298
Pex11g	0.642426	0.133932	0.33298
Kdm3a	0.20281	0.133953	0.33298
Mcrip2	0.474926	0.133976	0.332982
Lrrfip1	0.161303	0.134027	0.333053
Scpep1	0.299007	0.134302	0.33357
Pex5	0.317815	0.134684	0.334223
Gm36930	1.25632	0.134723	0.334223
Galnt18	0.321777	0.134711	0.334223
Ptpn9	0.216183	0.134743	0.334223
Rbx1	0.087238	0.134848	0.334387
Slc4a8	0.39509	0.13509	0.334806
Clip2	0.349277	0.135247	0.33496
Nupr1l	0.462001	0.13539	0.334995
Trmt10c	0.273276	0.135433	0.335046
A230072E	1.358727	0.135758	0.335408
Scly	0.392197	0.136003	0.335776
Tspan3	0.126196	0.136273	0.336292
A230056P	1.436999	0.136396	0.336373
Slc7a6os	0.319752	0.13638	0.336373
Adap2	0.213362	0.136489	0.336548
Wwox	0.29329	0.136729	0.337027
Prss56	1.121445	0.136836	0.337201
Noct	0.303088	0.136975	0.337301
Selenof	0.077235	0.13696	0.337301
Ddx59	0.547464	0.137237	0.337746
Slc25a12	0.243245	0.137246	0.337746
Cdpf1	0.374368	0.137315	0.337804
Gm26709	1.904525	0.137525	0.338154
Frmd4a	0.249739	0.137514	0.338154
Nrg2	0.921712	0.137736	0.338563
Dlat	0.223676	0.137899	0.338797
Fahd2a	0.307362	0.137945	0.338853
Lpcat4	0.423223	0.138237	0.33946
Ppp6c	0.162309	0.138327	0.339623
Mpp1	0.225753	0.138349	0.339623
Hspb6	0.34234	0.138685	0.340226
Ccdc92	0.633574	0.138873	0.340472

Nipal1	0.846655	0.139129	0.340812
Mapk3	0.105166	0.139126	0.340812
Lrp3	0.585701	0.139214	0.340963
Marchf9	0.381404	0.139338	0.34118
Mast4	0.096122	0.139348	0.34118
Soga1	0.345584	0.139481	0.341395
Unk	0.291078	0.139565	0.341543
Acp5	0.559473	0.139907	0.342269
Cutc	0.302705	0.139878	0.342255
Me2	0.338692	0.140048	0.342559
Lats2	0.125685	0.140117	0.342672
Rpusd3	0.472617	0.140169	0.342686
Mapk7	0.372709	0.140157	0.342686
Gm35842	2.285418	0.140339	0.342967
Pcdhb22	0.865677	0.140351	0.342967
Rcn1	0.229378	0.140801	0.343615
Acsl6	0.307047	0.140967	0.343908
Map3k5	0.288724	0.141058	0.34401
Gys1	0.560612	0.141506	0.344819
Mrpl15	0.173964	0.141548	0.344819
Tspan15	0.334674	0.141582	0.344846
Mepce	0.215737	0.141666	0.344938
Edem2	0.2604	0.141994	0.345568
Napepld	0.271182	0.142758	0.346976
Eif2d	0.339027	0.142848	0.347108
Gm37238	0.332263	0.142905	0.347108
Bak1	0.247162	0.142884	0.347108
Hip1	0.088981	0.142943	0.347145
Gtpbp1	0.286541	0.143116	0.347451
2610507B	0.154073	0.143292	0.34771
Paip1	0.155169	0.14333	0.347746
Gsto1	0.466473	0.143445	0.347969
Tfpt	0.328023	0.143825	0.348551
Ube2e2	0.262391	0.143822	0.348551
Faap20	0.218065	0.143934	0.348703
Psmd11	0.127141	0.144003	0.348813
Gadd45gip	0.177062	0.144581	0.349772
Atpif1	0.105193	0.144586	0.349772
Cd2ap	0.077734	0.14475	0.350056
Cep57	0.197815	0.144779	0.350069
Kctd12b	0.152466	0.145356	0.351239
Egf	1.320784	0.14557	0.351564
Kbtbd4	0.309387	0.146136	0.352609
Gpat4	0.223924	0.146298	0.352773
Pgm1	0.286829	0.146432	0.352986
Cerox1	0.602363	0.14691	0.353965
Kansl1	0.133937	0.147195	0.354424

Nfs1	0.244207	0.147285	0.35447
Myh11	0.201786	0.147259	0.354464
Mcts2	0.347532	0.147314	0.354481
Gm4924	0.580352	0.147502	0.354706
Ccdc32	0.234766	0.147561	0.354734
Capn12	0.611367	0.147662	0.354864
Top1	0.10183	0.147686	0.354864
Edc3	0.311063	0.147725	0.354899
Mier3	0.2228	0.148125	0.355689
Orai2	0.814925	0.148298	0.355831
Dnttip2	0.139111	0.148256	0.355831
Parp16	0.487837	0.148374	0.355831
Pfdn6	0.139911	0.148362	0.355831
Pmpcb	0.178783	0.148587	0.356236
Hdx	0.83248	0.148649	0.356262
Gm37588	2.106643	0.148729	0.356397
Bscl2	0.219696	0.148803	0.356448
Pcbp1	0.094468	0.148821	0.356448
Zfp799	0.446313	0.149052	0.356829
Gm26930	0.60262	0.149095	0.356874
Zfp39	0.488314	0.149135	0.356913
Gm17971	0.686851	0.14946	0.357634
Gm14586	0.635734	0.149551	0.357737
Tcerg1	0.155913	0.149527	0.357737
Gm11837	1.107879	0.149774	0.358214
Xrcc4	0.260661	0.150149	0.358824
Zkscan17	0.261319	0.150905	0.359971
Hk1os	0.884893	0.150959	0.360013
Sgcb	0.305046	0.151074	0.360173
Cpox	0.251447	0.151342	0.360689
Tes	0.197768	0.151363	0.360689
Src	0.272857	0.151406	0.360734
Nnat	0.628176	0.15149	0.360774
Tmem65	0.176612	0.151606	0.360922
Psm3	0.158805	0.152122	0.361928
Sppl3	0.179138	0.152272	0.362163
Pcdhgb4	0.512875	0.152365	0.362215
Qk	0.066274	0.152366	0.362215
Map2k3os	1.104356	0.152556	0.362608
Pggt1b	0.133161	0.152582	0.362612
Zfp574	0.290277	0.153141	0.363653
Rbbp9	0.23054	0.153218	0.363777
Plac8	1.352185	0.153352	0.363972
Zfp791	0.975532	0.153622	0.364274
Helz2	0.216231	0.153752	0.364526
Tmem25	1.646887	0.153842	0.364622
Zfp513	0.29103	0.153939	0.364795

Trmt112	0.145327	0.15403	0.364952
Snta1	0.284046	0.154179	0.365195
Twf1	0.168198	0.154243	0.36525
Wdr74	0.294724	0.154281	0.36525
Smim27	0.194355	0.154325	0.36525
Rad51ap1	0.622693	0.154415	0.365402
Rpp38	0.516895	0.154495	0.365534
Sec22a	0.217858	0.1547	0.36596
Pex3	0.246372	0.154858	0.36622
Cgrf1	0.206053	0.154888	0.366223
Gm38126	0.741165	0.154977	0.366327
Gm43430	0.508272	0.155023	0.366377
Card10	0.152713	0.155204	0.366747
Rmnd5b	0.210846	0.155764	0.367839
Mief2	0.516525	0.15582	0.367913
Sh3bp1	0.753788	0.155945	0.368151
Bad	0.161978	0.15608	0.368354
Gm36266	1.044856	0.156233	0.368598
Mthfs	0.382521	0.156451	0.368995
Prickle3	0.304365	0.15658	0.369242
Pdhx	0.29609	0.156735	0.369491
Rad51c	0.625676	0.156768	0.369511
Mrpl43	0.145809	0.157114	0.369943
Cibar1	0.182773	0.157474	0.370533
Babam1	0.182846	0.157604	0.370664
Asb8	0.256266	0.157652	0.370719
Snx13	0.174937	0.157699	0.37077
Cers2	0.146937	0.157875	0.371126
Nup62	0.275795	0.157926	0.371188
Ubap2	0.160963	0.15803	0.371317
Adgrb3	1.373917	0.158236	0.371626
Mks1	0.606712	0.158516	0.372022
Brap	0.222856	0.158531	0.372022
Ganab	0.163504	0.158606	0.372022
Tfeb	0.226829	0.158653	0.372022
Zfp438	0.457884	0.158709	0.372094
Wdr75	0.236701	0.158799	0.372188
Txndc15	0.144981	0.158799	0.372188
Fstl3	0.434844	0.158864	0.372283
Mvb12a	0.180453	0.158934	0.372331
Pthr2	0.273583	0.159319	0.373114
Shld3	0.634653	0.159368	0.373114
Bcl7a	0.510129	0.16012	0.37423
Cd44	0.65237	0.160207	0.374376
Cybc1	0.293033	0.160292	0.374515
Prkab1	0.210515	0.160371	0.374524
Zfp429	0.494779	0.160674	0.374765

Slc10a3	0.377015	0.161163	0.375496
Zcchc3	0.29108	0.161355	0.375811
2310039H	0.213592	0.161531	0.376118
Nectin3	0.256247	0.16171	0.376219
Pou5f2	0.573659	0.161819	0.376223
Vav3	0.878131	0.161813	0.376223
Gm49058	0.552759	0.161821	0.376223
Gm17229	0.466899	0.161917	0.376373
Marchf6	0.134759	0.16201	0.37653
Pkn3	0.27667	0.162194	0.376842
1700123V	0.665661	0.162322	0.377008
Rps13-ps4	1.554466	0.162685	0.37724
Efcab14	0.136349	0.162693	0.37724
Baz2a	0.135796	0.162687	0.37724
Hsp90b1	0.071914	0.162729	0.377265
Faap24	0.601662	0.162923	0.377564
Tomm20	0.090426	0.163006	0.377616
Faap100	0.329382	0.163231	0.377962
Cep19	0.264299	0.163226	0.377962
Ago1	0.206779	0.163463	0.378322
Samd8	0.153046	0.163558	0.378426
Ydjc	1.045139	0.163622	0.378514
Dnajc8	0.097028	0.16367	0.378568
Gm20257	0.577	0.163724	0.378576
Surf1	0.183007	0.163722	0.378576
Gpr157	0.552111	0.163897	0.378801
Ino80c	0.271998	0.163888	0.378801
Wdyhv1	0.428016	0.164221	0.379374
Man2b2	0.316595	0.164263	0.379411
Amfr	0.135201	0.164463	0.379757
Tmem241	0.427588	0.164942	0.380687
Mmadhc	0.197185	0.165257	0.381077
Alyref2	0.364216	0.165691	0.381827
Rangrf	0.340608	0.165783	0.38192
Slc22a23	0.90518	0.166057	0.382316
Spata2l	0.701117	0.166128	0.38239
Scd3	1.995389	0.166358	0.382674
Yjefn3	1.077895	0.166366	0.382674
Pdcd10	0.102159	0.166502	0.382753
Lgals3	0.706307	0.16659	0.38277
Zfp747	0.496945	0.166604	0.38277
Gm12059	1.006863	0.167056	0.383497
Neil2	1.217428	0.167193	0.38359
Mecr	0.338614	0.16726	0.383669
Pcdhb11	0.853015	0.16772	0.384549
Coil	0.376795	0.16797	0.385003
Pdlim2	0.213873	0.168063	0.3851

Rab11fip3	0.263805	0.168159	0.385202
Polr1c	0.225314	0.168265	0.385386
Dhodh	0.372442	0.16848	0.385759
Ppm1k	0.256604	0.168615	0.38601
Crybg1	0.263888	0.168695	0.386075
Gm37983	1.090746	0.168949	0.386437
Lxn	0.194003	0.168951	0.386437
Ndufv2	0.117531	0.168957	0.386437
Plcg1	0.129288	0.169108	0.386725
Gpi-ps	1.190796	0.169384	0.387177
Gm43541	2.089129	0.169674	0.387486
Rabep2	0.258675	0.169557	0.387396
Lin7b	1.180888	0.169879	0.387793
Zbtb3	0.909282	0.169897	0.387793
Nr4a2	0.20488	0.170102	0.38799
Pus7	0.336374	0.170549	0.388714
Zswim4	0.419528	0.170576	0.388716
Rab9	0.150227	0.170727	0.388881
Suc1g1	0.130478	0.170766	0.388911
4930532G	1.375267	0.170922	0.38915
Calr3	0.581388	0.171003	0.389273
Aldh18a1	0.690488	0.171187	0.389607
Gm29844	18.62954	0.171428	0.389932
Gnb2	0.076513	0.171349	0.389883
Mettl21a	0.387404	0.171503	0.389932
Il1rap	0.413721	0.171579	0.389932
Gm43254	0.823531	0.171636	0.389944
Dnajb6	0.104401	0.171577	0.389932
Zfp655	0.207278	0.171633	0.389944
Pxmp2	0.438613	0.171879	0.390319
Mrpl4	0.151079	0.172232	0.390988
Eral1	0.407904	0.17239	0.391183
Rtcb	0.136636	0.172374	0.391183
Gm45345	0.640186	0.172495	0.391303
Pef1	0.244086	0.172539	0.391342
St6galnac2	0.946516	0.173086	0.392346
Prodh	0.302521	0.173113	0.392348
Fn3krp	0.532311	0.173189	0.39246
Ap2a2	0.129439	0.173308	0.392612
Gle1	0.16907	0.173382	0.392711
Poglut3	0.226389	0.173613	0.393037
Lgals9	0.126398	0.173772	0.393278
Gramd1a	0.230875	0.173875	0.393419
A930005G	0.306934	0.174527	0.394536
Ift27	0.197041	0.174715	0.394844
Gm45406	1.436431	0.175088	0.395388
Sergef	0.476108	0.175257	0.39571

Nif3l1	0.488982	0.175499	0.395862
Nrbp1	0.11779	0.175465	0.395862
Gm44958	1.660807	0.175627	0.396067
Cttnbp2	0.267871	0.17584	0.396427
Trim13	0.439651	0.175964	0.396527
Slc19a2	0.602508	0.176546	0.397539
Arap3	0.10919	0.176577	0.39755
Bcor	0.194713	0.176623	0.397595
Nova2	0.141652	0.176982	0.398163
Ppp1r3d	0.53996	0.177011	0.398169
Dpp9	0.220028	0.177189	0.398389
Ypel5	0.165151	0.177232	0.398426
Eola1	0.260055	0.177395	0.398612
Eif3l	0.155546	0.17757	0.398779
Gm50203	2.049485	0.177742	0.398889
Pqlc3	0.517698	0.177728	0.398889
A530064N	1.079957	0.177757	0.398889
Lyplal1	0.644162	0.1778	0.398924
4930577N	1.107999	0.178254	0.399705
Gm15697	1.500277	0.178511	0.399835
Mcu	0.307214	0.178534	0.399835
Cyrib	0.223019	0.178512	0.399835
Akirin2	0.136286	0.178553	0.399835
MLxip	1.356857	0.178676	0.39999
Tmem258	0.12569	0.178746	0.400061
Gtf3c1	0.186704	0.178761	0.400061
Wdr59	0.310622	0.178844	0.400187
Ccdc6	0.223691	0.178871	0.400187
Myo1b	0.098491	0.179009	0.400436
Ttc17	0.240195	0.179117	0.400558
Gm43312	0.532474	0.179178	0.400636
Ralyl	2.301731	0.179358	0.400836
Crip2	0.063259	0.179763	0.401463
Avl9	0.141862	0.179965	0.401731
Amdhd2	0.340956	0.180115	0.40189
Mtor	0.199167	0.180225	0.402077
Camk1d	0.318811	0.180309	0.402143
Ube2l3	0.107442	0.180521	0.402494
Atf6	0.190226	0.180547	0.402494
4933407K	0.432362	0.180924	0.403153
Polr3g	0.652981	0.180995	0.403253
Cadm4	0.543766	0.181044	0.403302
Alkbh3	0.28431	0.181194	0.403576
Gm15417	0.352703	0.181254	0.40365
Tmem128	0.146921	0.181361	0.403827
5830462O	1.026593	0.18181	0.40466
Gm15860	0.962698	0.182416	0.405513

Lamc3	0.198731	0.182587	0.405773
Mettl6	0.240866	0.18279	0.40616
Surf2	0.265471	0.182838	0.40616
Ubr2	0.122019	0.182843	0.40616
Tpgs1	0.197647	0.183287	0.406966
Cmc2	0.19988	0.183627	0.407584
Ccdc103	1.29589	0.183743	0.407623
Gm21992	0.967135	0.183773	0.407623
4933440N	0.553703	0.183826	0.407678
Colgalt1	0.149097	0.184294	0.408414
Cdh16	0.666983	0.184416	0.408564
Lman1	0.103289	0.184601	0.408913
AU021092	0.088583	0.184832	0.409303
Acvr1b	0.507957	0.18506	0.409721
Mpzl3	1.142155	0.18548	0.410253
Fam71f2	1.459716	0.185556	0.410361
Ext2	0.15268	0.185628	0.41046
Zfyve1	0.30086	0.185744	0.410521
Sugp1	0.233224	0.185754	0.410521
Fut10	0.39254	0.185765	0.410521
Fam76b	0.145714	0.186044	0.410812
Abcf3	0.207809	0.186089	0.410812
Gm5644	0.72377	0.186356	0.411279
9530078K	0.739778	0.186606	0.411608
Armcx4	0.293239	0.186808	0.411905
Rasa4	0.770189	0.187217	0.412571
Zbtb45	0.316481	0.187424	0.4129
Gm15510	0.760968	0.187459	0.4129
Setd3	0.135728	0.187531	0.412961
Pi4k2b	0.424582	0.187714	0.413265
Gpank1	0.236563	0.187725	0.413265
Gm14399	0.660815	0.188034	0.413884
Glt28d2	0.485993	0.188245	0.414166
Gnl3	0.179425	0.188238	0.414166
Desi2	0.141787	0.18851	0.414505
Siae	0.357957	0.188693	0.414825
U2af1	0.116634	0.188909	0.415079
Tlcd1	0.587854	0.189086	0.415177
Mogs	0.317881	0.189081	0.415177
Dusp22	0.151602	0.189092	0.415177
Zfp433	1.376998	0.189354	0.415405
Afap1	0.193696	0.18932	0.415405
Cep83os	0.439892	0.189362	0.415405
Ola1	0.173088	0.189363	0.415405
D130017N	0.827479	0.189589	0.41584
Anxa6	0.134854	0.189619	0.415846
Gm49309	1.479693	0.189881	0.416213

Gm14023	1.404972	0.189882	0.416213
Rpap2	0.293958	0.190246	0.416671
Eri2	0.526741	0.190459	0.416856
Zfp580	0.24048	0.190496	0.416856
Rab31	0.25022	0.190552	0.416856
Wipi1	0.142853	0.190532	0.416856
4933412E	0.828491	0.190594	0.416856
Tbc1d8b	0.314919	0.190637	0.416856
Pknx1	0.229193	0.190678	0.416883
Fam214a	0.2889	0.190752	0.416925
Ly75	0.229866	0.19102	0.417328
Nr1h2	0.147275	0.191074	0.417385
Azin2	0.393941	0.191215	0.417511
Abca2	0.273957	0.191281	0.41755
Zfp932	0.327905	0.191369	0.417603
Tgif2	0.586976	0.191409	0.417629
Trpt1	0.460664	0.191459	0.417654
Txn1	0.110985	0.191476	0.417654
Letm2	0.227035	0.19156	0.417715
G630016G	3.42235	0.192073	0.418605
Gm37733	0.534126	0.192185	0.418645
Sp2	0.229703	0.192242	0.418645
Kdm5b	0.126101	0.192266	0.418645
Mpv17l2	0.236909	0.192378	0.418829
Lacc1	0.656899	0.192941	0.419767
Pias4	0.205926	0.192949	0.419767
Shb	0.306836	0.193145	0.420074
Tmem260	0.216618	0.193231	0.420197
Rspo2	1.681112	0.193391	0.420386
Gm42648	1.087545	0.193646	0.420733
Tfb1m	0.585548	0.193618	0.420733
Ehbp1l1	0.157719	0.193606	0.420733
Elmo3	0.871158	0.193876	0.421049
Gm20632	0.646783	0.194025	0.421302
Aifm2	0.344902	0.194049	0.421302
Ankrd9	0.485731	0.194135	0.421363
Ccdc17	0.706329	0.194203	0.421363
Ezr	0.183979	0.194218	0.421363
Fcgr3	1.868883	0.194537	0.421934
Uchl5	0.188164	0.194514	0.421934
Rictor	0.110108	0.194625	0.422064
Galnt1	0.130824	0.194778	0.422334
Tgfa	0.202658	0.194875	0.422483
Rpl19-ps1	0.582646	0.195031	0.422637
Fam168a	0.12759	0.195118	0.422764
1110002L	0.328557	0.195201	0.422885
Lair1	1.042823	0.195486	0.423195

Limk2	0.212129	0.195452	0.423182
Gm44694	0.268351	0.19554	0.423251
Samd5	0.357715	0.195822	0.423407
Blmh	0.16441	0.196032	0.423581
Gm42544	0.8361	0.196161	0.423737
Eva1c	0.378465	0.196266	0.423852
Arxes2	0.38523	0.196299	0.423852
Cnot8	0.167407	0.196364	0.423931
Ctss	0.767927	0.196453	0.424061
Gm8444	2.214367	0.196609	0.424184
Synj1	0.139508	0.196634	0.424184
Sipa1l1	0.17701	0.197284	0.425427
Acsf3	0.492927	0.19743	0.42568
Nlrc3	0.703548	0.198122	0.426623
Scarb1	0.103607	0.198101	0.426623
Nmral1	0.692973	0.198152	0.426623
Prkar2a	0.121635	0.198152	0.426623
Als2cl	0.205163	0.198191	0.426644
Cotl1	0.216486	0.198243	0.426696
Cry1	0.229884	0.198385	0.426939
Gm5136	1.369438	0.198648	0.427137
Lsg1	0.228336	0.198744	0.427206
Col9a3	0.735633	0.198766	0.427206
Nfkb1	0.130064	0.198759	0.427206
Myd88	0.265147	0.198859	0.427346
Stambp	0.201242	0.198955	0.427491
Gm43148	1.002204	0.199216	0.427836
Cln5	0.205662	0.199192	0.427836
Mrps36	0.165229	0.19923	0.427836
Tmem51o	0.322501	0.1996	0.428385
Bud31	0.144789	0.199658	0.428447
Nhlrc3	0.286155	0.199822	0.428677
Sema4g	0.87683	0.199982	0.428816
Gm50013	1.144995	0.199978	0.428816
Gm43088	0.56617	0.199969	0.428816
Gm37105	0.547633	0.200064	0.428888
Cmtm4	0.228961	0.2002	0.429118
Helb	0.323276	0.200709	0.42997
Ndufa2	0.071356	0.200712	0.42997
Myl12a	0.065671	0.201159	0.43062
Slc25a11	0.154071	0.201311	0.430884
Tbkbp1	0.179015	0.201695	0.431543
Hgsnat	0.194948	0.201813	0.431587
Clk2	0.22274	0.202057	0.431986
Gm20712	0.561285	0.202441	0.432437
Eif2s3x	0.166266	0.20274	0.433013
Minar2	0.267314	0.20281	0.433034

Rnf6	0.133674	0.203251	0.433724
Ppme1	0.150727	0.203276	0.433724
lqce	0.340783	0.20332	0.433756
Ttf1	0.192951	0.203448	0.433958
Tsg101	0.12868	0.203472	0.433958
Fam160b1	0.127764	0.203914	0.43447
Abca5	0.206316	0.203927	0.43447
Nat9	0.213235	0.203969	0.43447
Uggt2	0.312625	0.203981	0.43447
Cdkn2aip	0.161631	0.204026	0.43447
Gm49442	1.223062	0.204138	0.434512
Trmt10b	0.323212	0.204224	0.43457
Riok3	0.126956	0.204221	0.43457
Gemin5	0.325812	0.204433	0.434892
Gm15882	3.428136	0.204557	0.43497
Pcdhb20	0.520376	0.204506	0.434924
C030006K	0.295701	0.204717	0.43525
Sf3b1	0.076851	0.204891	0.435556
Ttc41	1.21102	0.205027	0.435722
Aff4	0.099008	0.20508	0.435772
Rock2	0.076354	0.20596	0.437242
Ap3m2	0.230044	0.205976	0.437242
Bin1	0.202398	0.206208	0.43761
Triobp	0.160275	0.206738	0.438196
Gm10503	0.267195	0.207141	0.438792
Banf1	0.106926	0.207146	0.438792
Dnajc19	0.140887	0.207189	0.438821
Dhps	0.174235	0.20748	0.439337
Igsf9b	1.217975	0.207523	0.439337
Napb	0.216939	0.207583	0.439337
Acot7	0.347914	0.207766	0.439546
Pacsin2	0.130574	0.208238	0.440358
Gosr2	0.164247	0.208307	0.440443
Prkcsh	0.187215	0.208544	0.440756
Ddx56	0.262513	0.209409	0.442336
Dok1	0.487413	0.209531	0.442344
Slc35a4	0.183954	0.209562	0.442347
Dennd2c	0.304355	0.210427	0.442894
Cramp1	0.182045	0.210602	0.443049
Psmc2	0.123008	0.211056	0.443725
Zbtb42	0.32902	0.211075	0.443725
Ndufb5	0.091056	0.211117	0.443725
Abhd12	0.202884	0.211241	0.443802
Caprin2	0.641301	0.211289	0.443802
Tnnt1	0.622091	0.211277	0.443802
Dph6	0.212805	0.211551	0.444149
Pheta1	0.365627	0.21181	0.44448

Psmc1	0.120763	0.21182	0.44448
Mtx2	0.182038	0.21185	0.444481
Gm10699	0.653573	0.212005	0.444665
D330023K	0.263003	0.212027	0.444665
Setd4	0.552193	0.212115	0.444674
Blm	0.399281	0.21212	0.444674
Rab1b	0.126871	0.212234	0.444851
Cdc42ep1	0.15924	0.212497	0.445224
Ube2d2a	0.094412	0.212538	0.445224
Mzt1	0.174995	0.212599	0.445224
Srcin1	0.80308	0.212621	0.445224
Suox	0.386323	0.21262	0.445224
D17H6S53	0.322368	0.212703	0.445334
Smo	0.23038	0.212806	0.445488
Dhx32	0.227688	0.212992	0.445814
Cebpzos	0.149246	0.213132	0.445984
Nemp1	0.294775	0.213433	0.446364
Slc35a1	0.16864	0.213508	0.446458
Carnmt1	0.211151	0.21355	0.446485
Plekha7	0.512242	0.213588	0.446501
Rps26-ps1	0.384056	0.213756	0.44679
Pdp1	0.26489	0.213926	0.446958
Gm45551	1.567736	0.214319	0.447593
Rfc4	0.347809	0.214569	0.447989
Gm14703	1.54292	0.214714	0.448229
Timmdc1	0.386016	0.214989	0.448678
Pde1b	0.461857	0.215026	0.448692
Chfr	0.191449	0.215103	0.448741
Pla2g7	0.286049	0.215139	0.448741
Numa1	0.108148	0.215128	0.448741
Dnajc14	0.161483	0.215205	0.448816
E430018J2	0.534531	0.21534	0.449034
Zfp182	0.30931	0.215523	0.449355
Slc30a5	0.19828	0.215761	0.449538
Cox7a2	0.063545	0.215841	0.449579
Hap1	0.466217	0.216021	0.449829
Tmem168	0.18649	0.216102	0.449929
Topbp1	0.214557	0.216129	0.449929
Insig2	0.156938	0.21619	0.449994
0610012G	0.112901	0.216557	0.450632
Amacr	0.317565	0.21682	0.451117
Eny2	0.113102	0.217145	0.451542
Pdzd11	0.176799	0.217981	0.452714
Smim15	0.130612	0.218211	0.452878
Dmac2	0.223868	0.218892	0.453976
Snx20	0.993457	0.218982	0.454099
Emc2	0.127523	0.219172	0.454304

Adra2a	1.035621	0.219236	0.454312
Gm15687	2.017084	0.219469	0.454502
Zfp286	0.53625	0.219389	0.454502
Slc17a1	0.488185	0.21951	0.454502
Iqsec2	0.312678	0.219624	0.454664
Slc38a10	0.179844	0.219649	0.454664
Fkbp3	0.096688	0.219694	0.454694
Gm20498	0.873121	0.219816	0.454885
Slc66a1	0.419283	0.219868	0.454929
Pomk	0.423978	0.220114	0.455206
Aplf	0.52441	0.220156	0.455206
Armh3	0.336047	0.220227	0.455231
Gm15634	1.94495	0.220755	0.456009
Cnp	0.251916	0.22071	0.456009
Rras2	0.186224	0.220727	0.456009
Gm43692	1.009394	0.220816	0.456071
Zbtb43	0.220361	0.220869	0.456118
Mrpl12	0.139499	0.220959	0.456241
4632404H	0.426868	0.221011	0.456285
A930006L	2.008538	0.221124	0.456454
Gpr135	0.682705	0.221156	0.456458
Chd5	0.518034	0.221368	0.456769
Rgcc	0.09522	0.221491	0.456834
Kif3a	0.204317	0.221603	0.45694
Tm9sf3	0.07651	0.221733	0.457019
Snrpert	0.679205	0.221858	0.457151
Tube1	0.528666	0.221916	0.457169
Atp5l	0.093832	0.221928	0.457169
Spata5l1	0.356483	0.221982	0.457218
Zfp235	0.365071	0.222125	0.457397
Ovgp1	1.031999	0.222497	0.458022
Unc79	2.408426	0.222556	0.458022
Fhod1	0.235372	0.222612	0.458074
Sumo3	0.109563	0.222689	0.45808
Atp6v1c1	0.172042	0.223165	0.458896
Stard3nl	0.142046	0.223457	0.459238
Galnt4	0.26762	0.223544	0.459238
Zranb3	0.608475	0.223729	0.459425
Bicc1	0.24763	0.223827	0.459494
Uri1	0.131081	0.223866	0.459494
Dbt	0.322426	0.223915	0.459494
Foxo3	0.173894	0.22392	0.459494
Igf1r	0.062947	0.223968	0.459494
Fbxo17	0.577277	0.224022	0.459494
Ntmt1	0.236232	0.22417	0.459637
Zfp703	0.181558	0.224269	0.459704
Malsu1	0.162637	0.224295	0.459704

Cpne9	1.792305	0.224419	0.459805
Smapi1	0.089473	0.224436	0.459805
Gm49797	0.281397	0.224552	0.459854
Gm44091	2.141624	0.224751	0.460011
Gm43343	0.190342	0.224676	0.45992
Mroh1	0.270576	0.224827	0.460025
Zxdb	0.229349	0.224851	0.460025
Zfp617	0.237181	0.224881	0.460025
Btbd1	0.119133	0.225054	0.460256
Gm31024	1.027357	0.225542	0.460874
Rps7-ps3	0.551211	0.225898	0.461475
Zfp975	0.549858	0.226295	0.462198
Usp50	0.722637	0.226551	0.462492
Al837181	0.165957	0.22749	0.463452
Dhrs7b	0.239118	0.227516	0.463452
Ap2m1	0.090271	0.227638	0.463594
Dazap1	0.13906	0.227737	0.463712
Sdhaf1	0.142036	0.22786	0.463899
Elp1	0.251558	0.227962	0.464025
BC004004	0.146402	0.227999	0.464025
Snx2	0.1389	0.228076	0.464088
Atn1	0.146055	0.228235	0.464159
Fam187b	0.55495	0.228385	0.464401
C1d	0.128385	0.228862	0.46518
Acot2	0.230834	0.228923	0.465199
Tanc2	0.275407	0.228933	0.465199
Gm38260	1.970495	0.229226	0.465478
Tshz3	0.260201	0.229574	0.465995
Washc1	0.231244	0.229706	0.466136
8430429Kl	0.336087	0.229956	0.466518
Tpm3	0.091983	0.230291	0.466881
Prok1	2.71944	0.230424	0.467087
Clptm1	0.133755	0.230489	0.467132
C330013E	0.560125	0.230535	0.467132
lqcd	0.602992	0.23054	0.467132
Tmem245	0.09761	0.230777	0.467486
Mydgf	0.127947	0.230969	0.467812
Wdr77	0.272288	0.231039	0.467821
Ammecri1	0.202788	0.231398	0.46815
Gm45399	1.217686	0.23175	0.468444
Dennd4c	0.144132	0.23173	0.468444
Gm43062	0.86608	0.231744	0.468444
Nkrf	0.433744	0.232313	0.469138
Vti1b	0.116213	0.232303	0.469138
Smoc1	2.080411	0.232501	0.46923
Zfp583	0.715747	0.232478	0.46923
Srrd	0.286396	0.232515	0.46923

Mxd1	0.241957	0.232554	0.469246
Zfp316	0.333427	0.232796	0.46953
Poc1b	0.236923	0.232817	0.46953
Plod2	0.224108	0.23282	0.46953
Mpv17	0.175749	0.232887	0.4696
Ryr2	1.210517	0.23314	0.469857
Larp1b	0.187976	0.23321	0.469901
Slc26a2	0.191317	0.2335	0.470331
Ccdc51	0.339216	0.233769	0.470745
Tnrc6a	0.102687	0.234098	0.47105
Ahcy	0.802466	0.234361	0.471319
Rps15a-ps	0.435699	0.2344	0.471319
Stim1	0.14297	0.235022	0.472297
Ehmt2	0.158602	0.235044	0.472297
Kif21b	0.223377	0.235132	0.472347
Zfta	0.262143	0.235252	0.472523
B930036N	0.664363	0.235399	0.472566
Gorab	0.256168	0.235397	0.472566
Rgs11	0.747344	0.235502	0.472646
Mtarc2	0.087824	0.235483	0.472646
Gm37349	0.664117	0.236272	0.473873
Pdyn	1.345878	0.236323	0.473912
Tmem147	0.871772	0.236432	0.47394
Gm11510	0.66055	0.236598	0.474145
Rnf144a	0.21441	0.236637	0.474161
Nmnat3	0.550026	0.236679	0.474182
Zcchc14	0.115305	0.236955	0.474634
Rabgap1l	0.173454	0.23707	0.474635
3110080O	0.619442	0.237227	0.474835
Zdhhc20	0.114673	0.237381	0.475011
Card6	0.374136	0.237473	0.475011
Dtx3	0.122552	0.237474	0.475011
Ap2s1	0.111332	0.237714	0.475301
Fam207a	0.212389	0.238081	0.475909
Mrpl57	0.153006	0.238781	0.477116
Tmem131l	0.401205	0.238847	0.477128
Gm20544	1.283658	0.23919	0.477591
Nkiras2	0.235755	0.239481	0.477877
Sod3	0.192095	0.239621	0.477901
Cep95	0.422306	0.240149	0.478509
Mkrn2	0.19071	0.240376	0.478642
Mfsd12	0.39291	0.240529	0.478883
Vegfa	0.330397	0.240686	0.478989
Snx6	0.106706	0.240742	0.478989
Edil3	0.628859	0.24102	0.479414
Ufsp2	0.169577	0.241216	0.47974
Slc14a1	0.900913	0.241528	0.480105

Gtf2e2	0.168542	0.24165	0.480284
Syt4	0.632307	0.241795	0.480317
Cyp4f17	0.355436	0.241852	0.480367
Gm9768	1.204158	0.242268	0.480947
Xkr8	0.390651	0.242304	0.480947
Zyx	0.172221	0.242501	0.48117
Rpl36a-ps2	0.345844	0.242565	0.481209
Nbn	0.217978	0.242767	0.481458
Kif13b	0.146067	0.242892	0.481538
Alkbh2	0.281119	0.24338	0.482379
Spi1	1.192765	0.243516	0.482584
Alg10b	0.15985	0.243774	0.482883
Cenpa	0.384106	0.243796	0.482883
2610005LC	0.209904	0.244121	0.483462
Siah1a	0.129273	0.244395	0.483837
Bik	0.531842	0.244474	0.483837
9930120I1	0.611492	0.244536	0.483837
Dynlt1f	0.262142	0.24452	0.483837
Baiap2l1	0.885058	0.244954	0.484362
Aldh6a1	0.188904	0.244963	0.484362
2700062CI	0.277361	0.245027	0.484424
ltpkc	0.407667	0.245086	0.484476
A830009LC	1.070082	0.245514	0.485131
Cacnb3	0.481785	0.245816	0.485472
Rdh11	0.240981	0.246077	0.485709
Vti1a	0.183603	0.246064	0.485709
Carf	0.255682	0.246158	0.485709
Gm37677	0.411314	0.246297	0.485837
Tecpr2	0.260619	0.246386	0.485845
Gm37019	1.320873	0.246519	0.485932
Adprm	0.245572	0.246607	0.485982
Dynlrb2	1.361555	0.246809	0.486214
Tbc1d9b	0.146055	0.246761	0.486183
Slc6a8	0.203965	0.247527	0.487308
Boc	0.344632	0.248138	0.488189
Trim6	0.421827	0.248287	0.488379
Eif5	0.070446	0.248299	0.488379
Gm4430-1	0.905557	0.248558	0.488822
Rgs10	0.421337	0.249013	0.489525
1700017BI	0.317321	0.249385	0.489998
Gm38376	0.56301	0.24974	0.490439
Gaa	0.181577	0.249739	0.490439
Car8	0.82649	0.249907	0.490639
9430038IO	0.206013	0.250646	0.491678
Dnajb12	0.174679	0.250666	0.491678
Arpc5	0.088005	0.25071	0.491699
Rpap3	0.199815	0.250915	0.492026

Nop58	0.152646	0.250975	0.492026
Zfp184	0.533385	0.25109	0.492186
Celf6	1.187418	0.251224	0.492384
8430419Kl	3.675435	0.251348	0.492499
Sgcg	0.497312	0.251344	0.492499
Gm42782	1.077417	0.251528	0.492658
Kat7	0.151425	0.251748	0.49283
Zfp827	0.419128	0.251812	0.492892
Tap2	0.121813	0.252143	0.493346
Oxld1	0.354634	0.252247	0.493395
Adprh	0.131719	0.252408	0.493413
Ngdn	0.14893	0.252561	0.493584
Gm18564	4.412035	0.252693	0.493652
Zeb1	0.087645	0.252692	0.493652
Cyb5d2	0.244531	0.252754	0.493703
Sac3d1	0.238397	0.253058	0.494168
Cacna1a	0.215006	0.25366	0.495021
Ankrd39	0.237845	0.253727	0.495087
Ifi30	0.210947	0.254127	0.495667
Optn	0.189464	0.254259	0.495801
Ndufb11	0.065332	0.254991	0.496622
Sncaip	0.381459	0.255037	0.496622
Tcf3	0.144612	0.255483	0.497024
Nt5dc3	0.304028	0.25564	0.497221
Gm37706	0.308976	0.255732	0.497313
Znhit1	0.133629	0.25585	0.497479
4930539JC	0.664069	0.255926	0.497562
Gm28578	0.620988	0.256337	0.49823
Pld2	0.241723	0.256467	0.498354
Gm4065	0.965229	0.256525	0.498403
Cd300c2	1.710335	0.256628	0.498473
Plat	0.074802	0.256837	0.49875
Fbxo46	0.301095	0.257028	0.498927
Rnf38	0.140858	0.257591	0.49989
Gm15965	1.379122	0.257733	0.499968
Gpt	0.656287	0.257768	0.499968
Gm11772	0.448185	0.257893	0.499968
Fbxo42	0.217143	0.258077	0.500108
Stc1	0.311597	0.25825	0.500197
Mcts1	0.14621	0.258238	0.500197
Scyl1	0.162373	0.258246	0.500197
Phactr2	0.101502	0.25831	0.500219
Eno3	0.549346	0.258597	0.500675
Gm8797	0.379572	0.258882	0.501097
Gm43788	0.272819	0.259007	0.501203
Cacfd1	0.188713	0.259055	0.501203
H1f3	0.659938	0.259071	0.501203

Ddx19b	0.334087	0.259321	0.50162
Setd1a	0.204068	0.259469	0.501779
Rragc	0.134336	0.259658	0.501836
Thrap3	0.089943	0.260254	0.502767
4930522L1	0.290559	0.260567	0.503123
Gm42699	0.481171	0.260953	0.503673
Ostc	0.107637	0.261105	0.503766
Mocos	0.38832	0.261136	0.503766
Gm2296	0.711646	0.261448	0.504108
Naa80	0.176211	0.261413	0.504105
Tbc1d20	0.121583	0.26151	0.504163
Cacna1h	0.331076	0.261571	0.504163
Zfp319	0.170425	0.261596	0.504163
MIlt3	0.12076	0.261629	0.504163
Haghl	0.214885	0.261663	0.504163
Gm37298	0.365724	0.261712	0.504163
Sema6a	0.096141	0.261864	0.504391
Sel1l	0.103947	0.262001	0.504525
Begain	0.378344	0.262521	0.505087
Gm48529	0.705494	0.26269	0.505266
Rab26	0.62324	0.26279	0.505393
Rad23b	0.112244	0.263175	0.50594
Disp2	1.552952	0.263415	0.50614
Nme7	0.378261	0.263612	0.506455
Ints3	0.205525	0.263838	0.506758
Id4	0.508932	0.264352	0.507225
Mocs1	0.630442	0.264532	0.507324
Zfp961	0.285592	0.264525	0.507324
Sugt1	0.090922	0.26456	0.507324
Aph1b	0.267368	0.265096	0.508066
Gm4013	0.423937	0.265589	0.508816
Trmt9b	0.379458	0.265884	0.509186
Wdfy2	0.254832	0.266191	0.509449
4933406Pi	0.844365	0.26627	0.509533
Poli	0.459457	0.266404	0.509681
Fech	0.190059	0.266527	0.509681
4930426I2	0.473711	0.266551	0.509681
Add1	0.088708	0.266721	0.509942
Ankib1	0.154366	0.26679	0.510008
Rpl7l1	0.12269	0.266909	0.510105
Nkap	0.126947	0.267041	0.510241
Zfp628	0.3191	0.267095	0.510264
Polr3gl	0.139649	0.267133	0.510273
1700081N	1.012653	0.267425	0.510504
Xrn2	0.103311	0.267405	0.510504
Pcdhgc4	0.39393	0.267517	0.510615
Apaf1	0.234314	0.267558	0.510627

Afg3l1	0.192289	0.267718	0.510804
Rab42	0.647518	0.267806	0.510906
Sppl2a	0.080136	0.268019	0.511247
Dcaf7	0.125226	0.268061	0.511262
9430065F:	1.345602	0.268266	0.511425
Ift140	0.378987	0.268283	0.511425
Gm50394	1.394339	0.26843	0.511574
Phb2	0.109085	0.26868	0.511856
Got2	0.12898	0.268761	0.511945
Tex30	0.250565	0.268981	0.512169
Tm2d1	0.124902	0.269055	0.512245
Mrps28	0.180876	0.269534	0.512958
Ganc	0.201944	0.269676	0.512958
Tpp1	0.106109	0.269967	0.513098
Tmem35b	0.325651	0.270074	0.51314
Nfil3	0.485748	0.270221	0.513354
Tbpl1	0.161648	0.270414	0.513657
Ctps2	0.235073	0.270459	0.513677
Axin1	0.202034	0.270637	0.513884
Nsmce2	0.16837	0.271726	0.51543
Akt3	0.124238	0.272334	0.516167
Nol12	0.229147	0.272458	0.516167
Fam111a	0.278931	0.27246	0.516167
Etf1	0.125663	0.272496	0.51617
Zfp389	1.889162	0.272638	0.516297
Snapc2	0.228421	0.272666	0.516297
Hsd17b12	0.150364	0.272948	0.516766
Gstt3	0.321684	0.273429	0.517422
Tmem259	0.125108	0.273433	0.517422
Ogfod2	0.294896	0.27367	0.517805
5830444F:	1.551802	0.273841	0.517931
Ms4a6c	1.12153	0.273806	0.517931
Pla2g6	0.330833	0.273876	0.517932
Cox7c-ps1	0.578262	0.27441	0.51868
Agap2	0.509695	0.274558	0.518681
Eri1	0.279483	0.274564	0.518681
Trim59	0.70898	0.274584	0.518681
Camsap2	0.113816	0.274632	0.518701
Nod2	0.402873	0.275079	0.519186
Clstn3	0.578839	0.275356	0.519398
D430013B	0.364464	0.275356	0.519398
Igbbp1	0.122496	0.27539	0.519398
Tiprl	0.122506	0.275467	0.519398
Cep72	0.546949	0.27552	0.519398
Map3k10	0.202509	0.275542	0.519398
Bet1l	0.149526	0.275691	0.519593
Gm29257	0.896271	0.275783	0.519635

Mrpl53	0.748688	0.27608	0.519998
Gm20274	0.436387	0.276141	0.520016
Ap5s1	0.384074	0.276193	0.520016
A730061H	1.230213	0.276946	0.520975
Lactbl1	2.324501	0.277094	0.521187
Cep170	0.157138	0.277202	0.521324
Gm34294	1.24292	0.277278	0.521402
Gm37331	2.291886	0.277402	0.521505
Commd7	0.144342	0.277451	0.521532
Nostrin	0.074733	0.277668	0.521676
Aox1	0.367355	0.277715	0.521699
Gpatch1	0.214586	0.277871	0.521796
Fis1	0.073659	0.277909	0.521803
Gm43794	0.255536	0.278221	0.522291
Gm8451	0.869863	0.278653	0.522937
Uros	0.438625	0.278716	0.522989
Tfam	0.160549	0.278778	0.523031
Ndufaf2	0.150183	0.27943	0.524002
Zfp341	0.496403	0.279553	0.524101
Gm44510	0.471054	0.279824	0.524543
Prdm9	0.347356	0.279961	0.524735
Gns	0.136635	0.28046	0.525459
Sf3b2	0.068485	0.280488	0.525459
Zfp383	0.296889	0.280537	0.525485
Ptrh1	0.992101	0.280719	0.525676
Gm26670	1.080759	0.28078	0.525676
Snx30	0.395546	0.281526	0.526744
Gnpda1	0.368826	0.281644	0.526899
Ptprcap	1.238151	0.281886	0.527154
Gm49041	0.525603	0.281886	0.527154
Ldhd	0.508162	0.281958	0.527223
Secisbp2l	0.100838	0.282131	0.527368
9430064l2	1.000664	0.282247	0.527368
Gm42555	0.945322	0.282245	0.527368
Tlk1	0.10298	0.282224	0.527368
Ano10	0.202749	0.282293	0.527388
Gm44237	0.614452	0.282377	0.527413
Crb3	1.181709	0.282918	0.528096
Ttbk1	1.312855	0.283145	0.528386
Ccdc62	0.44402	0.283381	0.528761
Gm42515	0.350538	0.283695	0.529214
Mtfr1l	0.119287	0.283841	0.529421
Enc1	0.104262	0.284282	0.529981
Maob	0.175627	0.284478	0.530165
Tent5a	0.47665	0.284502	0.530165
Micall2	0.382676	0.284523	0.530165
Cacna2d3	0.841857	0.284569	0.530185

Manba	0.239235	0.284754	0.530397
Tkfc	0.491483	0.284886	0.530508
1810059C	1.658185	0.285717	0.531652
Snhg4	0.297769	0.285747	0.531652
Plekhn1	0.162745	0.28592	0.531775
Arfgef3	0.529187	0.286172	0.532112
Mkln1os	0.693514	0.286642	0.532787
Oard1	0.132177	0.286889	0.533115
Klf16	0.224448	0.28696	0.533173
Adrb2	0.22226	0.287118	0.533267
Slc18a2	0.80145	0.28725	0.533322
Zcchc9-ps	2.857492	0.287754	0.534059
Samd10	0.300123	0.287957	0.53417
Pepd	0.234054	0.288077	0.534204
Syne3	0.278208	0.288137	0.534204
Gm26881	0.366347	0.288189	0.534204
Dnase1l1	0.163554	0.28831	0.534233
Agpat2	0.253282	0.288474	0.534233
Rtn4	0.066636	0.28849	0.534233
Cryaa	0.365437	0.288526	0.534234
Hmgn2	0.133373	0.288696	0.534416
Xkrx	1.479876	0.288818	0.53457
Mrpl14	0.099412	0.28897	0.53457
Pnpo	0.345005	0.289068	0.534634
Tgds	0.301587	0.289099	0.534634
Dnajc15	0.16592	0.289296	0.534766
9530018F	0.412191	0.289529	0.534966
C1qc	0.776423	0.289656	0.535014
Micall1	0.18063	0.289662	0.535014
Fmnl1	1.167955	0.289959	0.535364
Gmeb2	0.189442	0.290032	0.535433
Gm42943	1.026518	0.290266	0.5356
Zfand4	0.593299	0.290585	0.535879
Rnf126	0.185118	0.290599	0.535879
Ngfr	0.870041	0.290727	0.535879
Psmb7	0.092217	0.29069	0.535879
Wdr66	0.715279	0.290716	0.535879
Zkscan8	0.190469	0.290739	0.535879
Cenpm	1.091854	0.290889	0.536029
Drc3	0.538273	0.290963	0.536029
Tpst1	0.155653	0.291529	0.536781
Dysf	0.146602	0.291561	0.536781
Ctdsp1	0.103314	0.291622	0.536781
Gnai1	0.292442	0.291865	0.537094
Mgat4b	0.142366	0.292206	0.537435
Cyb5a	0.081767	0.292355	0.537435
Ppif	0.40122	0.292479	0.537498

Sephs2	0.224545	0.292543	0.537498
Ngrn	0.145084	0.292551	0.537498
Ppcs	0.270163	0.292608	0.537537
Polr1a	0.253928	0.293286	0.538518
Mrgbp	0.165262	0.29382	0.5393
Cbr4	0.291714	0.294023	0.539474
Cd52	0.736423	0.294138	0.539588
C030037D	0.304914	0.294215	0.539628
Gm38037	1.359455	0.294473	0.539852
Slc27a1	0.226912	0.294438	0.539852
Dus4l	0.361156	0.294505	0.539852
Fbl	0.171976	0.294599	0.539852
Rab37	0.697051	0.294754	0.539955
Pde6c	0.393138	0.294845	0.540044
Tmem79	0.751636	0.295132	0.540326
Smim7	0.115935	0.295137	0.540326
Rfx2	0.473678	0.295183	0.540344
Bahd1	0.236019	0.295468	0.5408
Rfx5	0.273304	0.29554	0.540867
Fgfbp3	0.239482	0.295589	0.54089
1700030KI	0.38614	0.295697	0.540955
Gm9803	0.640657	0.295912	0.541107
Fam124a	0.902369	0.295945	0.541107
Kcnk6	0.356877	0.296023	0.541155
Magee1	0.24428	0.296788	0.541958
Mtmr9	0.220816	0.296786	0.541958
Zfp598	0.149693	0.296991	0.542262
Zfp944	0.293871	0.297181	0.542476
Grsf1	0.151775	0.297538	0.543061
Ephb3	0.862593	0.297752	0.54332
Uxt	0.216045	0.298054	0.543624
Spire1	0.179785	0.298274	0.543875
Adcy3	0.317134	0.298348	0.543936
Calcoco1	0.153869	0.298417	0.543936
4930589O	0.683718	0.298586	0.544112
Nit2	0.22108	0.298662	0.544184
Gm42798	0.405772	0.298714	0.544213
Cct5	0.082716	0.299319	0.544983
Gm16835	1.368548	0.299618	0.545193
Gm15809	0.857994	0.299688	0.545193
Akap17b	0.313899	0.299669	0.545193
Smim4	0.174476	0.299808	0.545299
4930595L1	1.03363	0.299863	0.545299
Lrrtm2	1.024628	0.299885	0.545299
Eif5b	0.074577	0.299947	0.545331
Nphp4	0.696376	0.300093	0.545398
Usp35	0.606276	0.300164	0.545421

Jmjd8	0.215343	0.300178	0.545421
Spaca6	0.172868	0.300502	0.545814
Commmd5	0.654477	0.300584	0.545829
Vps53	0.157292	0.300585	0.545829
Abcb4	0.994534	0.300728	0.546023
Mfsd5	0.207845	0.300886	0.546177
Phka2	0.286894	0.301118	0.546422
Rdm1	0.114226	0.30113	0.546422
Slc8b1	0.254659	0.301403	0.546717
Atxn2l	0.116665	0.301635	0.54694
Hsf2	0.210211	0.301806	0.547183
Mrps2	0.255393	0.301895	0.547278
Aen	0.226001	0.301975	0.547357
C430049B1	0.329231	0.302272	0.547763
Gm6169	1.4739	0.302357	0.547851
Phyhd1	1.402827	0.302449	0.547886
Rnf183	1.172671	0.302576	0.547983
Ldb1	0.128332	0.302947	0.548455
Yeats2	0.17209	0.303047	0.54857
Tmem53	0.428545	0.303127	0.548583
1810055G	0.353073	0.303287	0.548804
Dnm3os	0.471708	0.303474	0.549077
Vil1	0.234048	0.303714	0.549166
Proser3	0.477878	0.30374	0.549166
Phospho2	0.19078	0.30416	0.549587
Mrpl10	0.193212	0.30423	0.549648
Gm28875	0.209382	0.304305	0.549702
Otud7a	0.67896	0.304333	0.549702
Gm43421	0.677653	0.304741	0.550174
Mob4	0.092867	0.304801	0.550215
Ebf4	0.549942	0.30518	0.550567
Cbfb	0.151137	0.305386	0.550806
Bdh1	0.612343	0.305565	0.550995
Etfrf1	0.181363	0.305564	0.550995
Gm19196	0.632797	0.305967	0.551521
C1ql1	0.732114	0.306304	0.551863
Ypel1	0.663902	0.306802	0.552622
Dync1li1	0.11335	0.306889	0.552652
Gm45182	1.41502	0.307071	0.552781
Cmtm7	0.228931	0.307072	0.552781
Eloc	0.078249	0.307055	0.552781
St6galnac5	0.845551	0.30727	0.553006
Sar1b	0.097161	0.307244	0.553006
Usb1	0.317098	0.307391	0.553156
Fbxl16	0.396205	0.307431	0.553162
Uqcr10	0.060389	0.307585	0.553372
Smim10l2	1.564644	0.307756	0.553547

Ap5m1	0.167901	0.307754	0.553547
Aqr	0.120495	0.30784	0.553632
P2rx5	0.796213	0.308475	0.55444
Stat5a	0.376345	0.308745	0.554659
Patl1	0.16999	0.309186	0.555185
Cmas	0.14826	0.309284	0.555295
Jazf1	1.020384	0.309509	0.555499
Magt1	0.107615	0.309477	0.555499
Prox1	0.42761	0.309581	0.555561
Gm37079	0.935967	0.309713	0.555664
Ehbp1	0.26167	0.310124	0.556069
Frmd8	0.199165	0.310263	0.556185
Gm10827	0.810981	0.310581	0.556613
Tbc1d23	0.135013	0.310792	0.556734
Inpp5f	0.143895	0.310858	0.556785
Hadha	0.093862	0.310981	0.556792
Mettl23	0.132515	0.311035	0.556792
Gm42664	0.598797	0.311031	0.556792
Zfp507	0.208197	0.311131	0.556807
Czib	0.12288	0.31132	0.557013
4930579K	0.513547	0.311615	0.55742
Tnks	0.122834	0.311643	0.55742
Zfand2b	0.144609	0.311901	0.557586
Nsf	0.103695	0.311899	0.557586
Asl	0.196625	0.312108	0.557776
Mrps23	0.161857	0.312329	0.557889
Clcc1	0.132183	0.312331	0.557889
Timm22	0.139471	0.31261	0.558121
Tcaim	0.219397	0.313499	0.55924
Pcyox1l	0.501313	0.313643	0.559365
Gm49376	0.95095	0.313844	0.559589
lfrd2	0.247326	0.314046	0.559883
Slc2a12	0.473421	0.314181	0.560057
St3gal4	0.245519	0.314409	0.560323
Mfsd6	0.13548	0.314541	0.560323
Smc4	0.132858	0.314555	0.560323
Uxs1	0.199142	0.314594	0.560326
Zmat3	0.207903	0.314835	0.560555
Gm19427	1.00125	0.315006	0.560793
Adprs	0.163141	0.315295	0.561173
Ppp2r5d	0.169245	0.315624	0.561626
Gss	0.248243	0.315831	0.561861
Sspn	0.270537	0.315908	0.561865
Unc13d	1.128068	0.316184	0.562121
Hes7	0.845784	0.316203	0.562121
Nudt7	0.221903	0.316578	0.562656
Slc22a5	0.287895	0.316708	0.562772

C920021L	0.465575	0.316874	0.562944
Nr6a1	0.372634	0.317145	0.562944
D530018E	0.302907	0.317428	0.562944
Fam98c	0.133963	0.317446	0.562944
Agfg2	0.239671	0.317455	0.562944
Dstn	0.053291	0.317518	0.562986
Gm17891	18.93273	0.317647	0.562998
Stx2	0.175978	0.317672	0.562998
9530068E	0.115862	0.317674	0.562998
Fam102b	0.226517	0.317896	0.563247
Sdhd	0.115189	0.317961	0.563247
Gm45380	0.519936	0.318023	0.563247
Tacc3	0.593257	0.31804	0.563247
Smu1	0.114317	0.318213	0.563474
Gm10557	0.602255	0.31837	0.563606
Asrgl1	0.136305	0.318407	0.563606
Bbs12	0.368437	0.318525	0.563606
Spcs1	0.080338	0.318581	0.563606
Foxq1	0.056919	0.318669	0.563695
Elac1	0.197586	0.319296	0.564404
Cdk9	0.101936	0.31938	0.564434
Tmem106i	0.361342	0.319796	0.564708
Cyb5r4	0.168267	0.319937	0.564833
Utp15	0.20672	0.319967	0.564833
Aldh1l2	1.208258	0.320026	0.564833
Ankrd31	1.360995	0.320132	0.564833
Usp39	0.175098	0.320233	0.564833
Gm12322	0.897131	0.320293	0.564833
Gfm1	0.184181	0.320428	0.564871
Ercc3	0.185068	0.320471	0.564881
Fstl1	0.14879	0.320601	0.565043
Lix1	0.693064	0.320881	0.565337
Ttc7	0.434369	0.321425	0.566007
Chchd3	0.117773	0.321453	0.566007
Ubl5	0.055217	0.32145	0.566007
Nabp1	0.405586	0.321736	0.566139
Ppig	0.068012	0.321752	0.566139
Armcx6	0.330967	0.321803	0.566161
2700097O	0.248273	0.322153	0.566512
Dexi	0.188129	0.322148	0.566512
Pafah1b3	0.21245	0.322532	0.567045
Zbtb24	0.199105	0.322634	0.567158
Slc20a1	0.180389	0.322749	0.567228
Sox30	1.560231	0.322917	0.567387
Gm45472	2.205037	0.322997	0.567461
Rbm4b	0.14792	0.32415	0.569353
Gm17529	1.116115	0.324388	0.569505

Knop1	0.109398	0.325431	0.570797
Dhx8	0.170268	0.325505	0.570797
1700018A	0.221676	0.325769	0.57094
Etv6	0.145743	0.32579	0.57094
Phldb1	0.145456	0.325861	0.57094
Btf3-ps18	1.155837	0.326306	0.57133
Gm13375	0.824186	0.326398	0.571426
Sar1a	0.092162	0.326839	0.572065
Zhx2	0.247247	0.326888	0.572082
Dnajc5	0.084021	0.326986	0.572188
Pde9a	0.486405	0.327275	0.572492
Calhm2	0.208857	0.327402	0.572647
Mycbp	0.158094	0.327801	0.573279
Slc25a32	0.122244	0.327884	0.57331
Fam98a	0.188451	0.327929	0.57331
Atrnl1	0.183266	0.328215	0.573667
Decr2	0.221944	0.328398	0.573786
Uggt1	0.137938	0.328485	0.573871
Cdnf	0.731478	0.328647	0.574001
Pcdhga3	0.705165	0.328674	0.574001
Gm38157	0.360061	0.328873	0.574231
Acad10	0.430801	0.3289	0.574231
Cyb561d2	0.248727	0.329171	0.574493
Akip1	0.170122	0.329654	0.575108
Gm43774	0.511762	0.329845	0.575374
Gm37534	0.477988	0.330032	0.575567
Zfp418	0.531439	0.330111	0.575615
Zfp112	0.597104	0.330185	0.575632
ENSMUSG	0.736003	0.330338	0.575823
Gm38381	0.536656	0.330451	0.575895
Camk2b	0.455962	0.330983	0.576284
Gm10419	0.401161	0.330997	0.576284
Tmed4	0.110206	0.331228	0.576379
Tbcb	0.085831	0.331254	0.576379
Trak1	0.098562	0.331306	0.576379
5330439K	1.163021	0.331398	0.576471
Zfp292	0.079407	0.331623	0.576729
Lptm5	0.382182	0.331828	0.576886
Pcdhgb2	0.413417	0.331906	0.576886
Fntb	0.259996	0.333023	0.578196
Tgfb3	0.355475	0.333164	0.578281
Smdt1	0.054981	0.333172	0.578281
Gm42462	0.822834	0.333463	0.578655
Gm17354	0.338884	0.333487	0.578655
Gm44559	1.2691	0.333619	0.578655
Wipf2	0.129636	0.333599	0.578655
Cops4	0.110588	0.333609	0.578655

Ltb	2.086253	0.333916	0.579035
Ints2	0.236947	0.334034	0.579106
Exosc4	0.126067	0.334092	0.57914
Plcxd1	1.115814	0.334264	0.579302
Nedd4	0.049376	0.334353	0.579324
St6galnac4	0.16727	0.334534	0.579392
Neat1	0.082707	0.334772	0.579647
Ggt5	0.152281	0.335051	0.579995
Vps4a	0.120092	0.335138	0.580079
Cep97	0.219226	0.335688	0.580762
Foxj3	0.136866	0.335751	0.580805
Ldlrap1	0.131259	0.336053	0.58126
Ndufb2	0.076474	0.336724	0.582151
Gm12655	0.63417	0.336984	0.582198
Tyro3	0.570177	0.337186	0.582411
A130010J1	0.190834	0.337363	0.582651
Eif2b4	0.151933	0.337567	0.582868
Slc38a9	0.152086	0.33789	0.583234
Gtf2h2	0.198469	0.338154	0.583519
Snapc1	0.125024	0.338353	0.58362
Ube2q1	0.097076	0.338715	0.58411
Gm28437	0.519815	0.338836	0.584116
Cd37	0.826792	0.339051	0.584238
Tor4a	0.320323	0.339352	0.584603
Mcm3	0.216741	0.340743	0.586122
Trim30a	0.127197	0.340871	0.586211
Cldn34c1	0.212653	0.340873	0.586211
Pgm3	0.233543	0.341116	0.586529
Srpr	0.073602	0.341137	0.586529
Gm42737	0.430976	0.341374	0.586787
Cfap97	0.136517	0.341571	0.587006
Fen1	0.251525	0.341641	0.587059
Gm43511	0.521906	0.341775	0.587092
Nol4l	0.173271	0.341823	0.587092
Rwdd1	0.075174	0.341895	0.587092
Lrfn4	0.316187	0.341895	0.587092
Prr3	0.262177	0.342616	0.588263
Frs3	0.361798	0.342796	0.588437
Pds5b	0.092648	0.342993	0.588574
Znhit6	0.175214	0.343158	0.588787
Pxdn	0.298873	0.343312	0.588943
Taf1b	0.18159	0.343329	0.588943
Washc5	0.190782	0.343704	0.589216
Kctd20	0.115175	0.344337	0.589932
Rrp9	0.217268	0.344775	0.590412
Reep2	0.4117	0.344974	0.590685
Gm9925	1.580962	0.345484	0.591032

Inca1	0.650657	0.345485	0.591032
H4c4	0.146254	0.345682	0.59129
Slbp	0.128085	0.345881	0.591562
Rnf149	0.238244	0.346404	0.592165
Lpin2	0.151949	0.346572	0.59223
Rbm27	0.09524	0.346588	0.59223
Rap1gap	0.579563	0.346829	0.592574
Zpbp	2.412033	0.346916	0.592587
Rev1	0.141835	0.347285	0.593083
Dnajb4	0.142178	0.347415	0.593236
Vamp4	0.10846	0.347519	0.593346
Nicn1	0.152384	0.347711	0.593523
Ctu1	0.462266	0.347958	0.593825
Gm42467	0.347578	0.348141	0.59407
Pgam5	0.222608	0.348244	0.594178
ENSMUSG	1.500987	0.348301	0.594207
Tomm5	0.095032	0.348718	0.594682
Dennd4a	0.171078	0.348778	0.594682
D730045B	0.528149	0.348914	0.594722
Rcc1	0.358395	0.348908	0.594722
Slc25a39	0.124346	0.34931	0.595319
Nsun3	0.288018	0.349425	0.595447
Larp1	0.107171	0.349485	0.595481
Nans	0.18306	0.349681	0.595576
Plekhh1	0.397732	0.349774	0.595576
Frem2	0.458637	0.349835	0.595576
Ankrd46	0.111948	0.350091	0.595835
1110020A	0.41813	0.350246	0.596031
Sap130	0.143372	0.350505	0.596403
Ptch1	0.124314	0.350562	0.596434
5430431A	0.435926	0.350818	0.596734
Scn2a	0.551778	0.351147	0.596955
A530041M	0.342512	0.351228	0.596955
Bcas3	0.150168	0.351227	0.596955
Rtraf-ps	0.583735	0.351404	0.597187
Polr2m	0.073483	0.351531	0.597335
Sbk1	0.256884	0.351672	0.597507
Tmem120	0.438429	0.351774	0.597612
Steap2	0.235785	0.352316	0.598372
Kif20b	0.486037	0.352421	0.598372
Hmgb3	0.210584	0.352407	0.598372
Tcirg1	0.17025	0.352683	0.598697
Sox8	0.331084	0.352886	0.598958
Zfp672	0.204375	0.352932	0.598968
Ube2d1	0.125238	0.353312	0.599478
Rnaseh2c	0.078092	0.353557	0.599625
Kif1b	0.056903	0.353584	0.599625

5730455P:	0.167551	0.35365	0.599642
Gnai3	0.091955	0.353712	0.599681
Cpq	0.185596	0.353787	0.599739
Mapt	0.199586	0.353915	0.599888
Slc17a5	0.189723	0.354099	0.59996
Nlrc5	0.31795	0.354109	0.59996
Stmn2	0.125222	0.354117	0.59996
Sirt5	0.221461	0.354254	0.599989
5330413P:	0.621288	0.355182	0.601084
Gm42443	0.489896	0.355351	0.601165
Rer1	0.077948	0.355518	0.60138
Mrps18a	0.117419	0.355875	0.60178
Lcmt2	0.293359	0.356135	0.601948
N4bp2l1	0.342073	0.356133	0.601948
Epm2aip1	0.111347	0.356264	0.602097
D630023F:	0.789854	0.357439	0.603402
Nrcam	0.368213	0.357519	0.60347
Unc50	0.086193	0.35802	0.604085
Pkdcc	0.278638	0.358045	0.604085
Gng7	0.280688	0.358206	0.604221
Hspa12b	0.083455	0.358187	0.604221
Gm38077	0.495015	0.358329	0.604291
Kptn	0.234506	0.35912	0.605421
Bhlhe41	0.183836	0.359244	0.605562
Atg16l1	0.1529	0.359296	0.60557
Rnf111	0.117556	0.35937	0.60557
Gm17530	1.08444	0.359649	0.605764
Gm31812	0.820356	0.359731	0.605764
Dzank1	0.48267	0.359735	0.605764
Igf2bp3	0.339617	0.359784	0.605764
Nipsnap2	0.122691	0.359892	0.605836
Supt6	0.090733	0.360118	0.60608
Rnf19b	0.210167	0.360206	0.60616
Gm49164	0.836712	0.360737	0.606769
Noc4l	0.293387	0.360775	0.606769
Lipt1	0.50673	0.360845	0.606769
Eci1	0.100988	0.360852	0.606769
Gm43360	0.507455	0.361009	0.606828
4632418H:	0.184101	0.361062	0.606849
Btf3l4	0.178616	0.361312	0.606954
Vipas39	0.173607	0.361326	0.606954
Fgf12	1.217578	0.361423	0.607048
Pcsk7	0.154787	0.361661	0.607143
Arl6ip1	0.060838	0.361652	0.607143
Mfsd14b	0.12411	0.361683	0.607143
Dapk3	0.156479	0.361869	0.607295
Hibch	0.203656	0.362158	0.607669

Gm13199	0.971881	0.362226	0.607715
Rbis	0.118062	0.362379	0.607904
Zfp811	0.799528	0.362427	0.607915
Ankrd13b	0.457777	0.362659	0.6081
Gm42731	0.225257	0.362796	0.608177
Gm10752	1.135049	0.362996	0.608257
Fam227a	0.320344	0.363061	0.608298
Gm5854	0.3972	0.363385	0.6085
7SK-87	3.51564	0.363604	0.608662
4930547N	3.471319	0.364221	0.609407
Gm43566	0.72132	0.364238	0.609407
Gm17494	0.483436	0.364399	0.609584
Gm5373	3.484773	0.36469	0.609865
D330050I1	0.376695	0.364751	0.609865
9330151L1	0.357064	0.364844	0.609865
Doc2g	0.511309	0.365428	0.610623
Amn1	0.138657	0.366	0.611375
Rpf2	0.237354	0.366207	0.61148
Cog5	0.124273	0.366295	0.611526
Vps25	0.587542	0.366361	0.611538
F3	0.625809	0.366544	0.611671
Them6	0.180883	0.366586	0.611671
Ube2g1	0.108017	0.36658	0.611671
C1galt1c1	0.149016	0.367257	0.61245
Cnbd2	0.392854	0.367458	0.612649
Nkapd1	0.120961	0.367892	0.61298
Hunk	0.539318	0.3679	0.61298
Mapk15	0.786002	0.367931	0.61298
Gm32151	0.806797	0.367944	0.61298
Tmem86a	0.228945	0.367938	0.61298
St8sia6	0.118194	0.368026	0.613036
Gpn3	0.16042	0.368059	0.613036
Rp9	0.071408	0.368258	0.613094
Usp47	0.087644	0.368442	0.613328
Cdkl3	0.278384	0.368562	0.613328
Sde2	0.102784	0.368741	0.613557
Mad2l1bp	0.195771	0.368872	0.613655
Mob3c	0.23357	0.369358	0.61431
Pisd-ps2	0.651351	0.369471	0.61443
Ndufaf3	0.114008	0.369756	0.614629
Bag5	0.086301	0.369796	0.614629
Zfp945	0.161459	0.370063	0.614893
Arhgap5	0.055933	0.370078	0.614893
Brox	0.116742	0.371099	0.616179
Grhpr	0.155823	0.37126	0.616374
Kcnh2	1.287671	0.371351	0.616374
Tab2	0.080382	0.371336	0.616374

Rbm38	0.462559	0.371381	0.616374
Nyap2	0.977505	0.371425	0.616379
Nckap5l	0.170885	0.371549	0.616517
Tcaf1	0.093239	0.371643	0.616605
Snrpb	0.057747	0.371848	0.616876
Mcur1	0.10975	0.372314	0.61724
Tnfsf13b	1.064449	0.37263	0.617551
Itprp	0.263383	0.37262	0.617551
Slc22a15	0.203881	0.372628	0.617551
Ptov1	0.091102	0.372779	0.617668
Gm43859	0.883546	0.372986	0.617874
Zfp53	0.265206	0.373146	0.618072
Med8	0.127407	0.373223	0.61813
Tbc1d14	0.119878	0.373496	0.618377
4732416N	0.597793	0.374071	0.619034
E330037G	0.359501	0.374168	0.619078
Jmjd6	0.10462	0.374389	0.619375
Stk17b	0.131321	0.374712	0.619704
Fry	0.050011	0.374809	0.619709
Dusp4	1.118407	0.374911	0.61976
Sema4d	0.772518	0.375013	0.619861
Myof	0.175807	0.375087	0.619914
Gm2115	0.789045	0.375469	0.620272
Rab5if	0.085817	0.376177	0.621167
Cdo1	0.508523	0.376902	0.622228
Atad2	0.162026	0.37703	0.62237
Phf10	0.115262	0.377223	0.622605
Gm15850	0.961408	0.377297	0.622605
Sfn	0.32762	0.377281	0.622605
Fam222b	0.135483	0.377533	0.622719
Tmem263	0.125032	0.377682	0.622831
Gm19531	0.916526	0.377802	0.622831
Rnps1-ps	0.211816	0.377831	0.622831
Usp46	0.095643	0.37785	0.622831
Rps18-ps6	0.080953	0.37813	0.623224
Hat1	0.161513	0.378708	0.623901
Dchs1	0.172266	0.379363	0.624576
Magoh	0.076995	0.379446	0.624636
Chadl	0.541046	0.380026	0.625012
Gm37174	0.488011	0.380037	0.625012
Chmp6	0.122659	0.380067	0.625012
Gdap1	0.459162	0.380181	0.625012
Cul1	0.081243	0.380187	0.625012
Spryd7	0.174196	0.380259	0.625012
Cryl1	0.324743	0.380483	0.625175
Uba3	0.113451	0.380815	0.625633
Gm42636	0.45475	0.38109	0.625726

9230114K:	0.250979	0.381111	0.625726
Zbtb10	0.130488	0.38118	0.62577
Abca8b	0.396236	0.381384	0.625835
Lgals8	0.108558	0.382014	0.626797
Gm17435	0.593612	0.382176	0.626892
Capza1	0.158153	0.382447	0.627232
Pja1	0.118872	0.382622	0.62745
Gm43413	0.545442	0.382759	0.627605
Tbc1d1	0.098881	0.382813	0.627624
Skp2	0.299374	0.382908	0.627624
Gm17655	0.491803	0.38298	0.627624
Pigb	0.322027	0.383182	0.627818
Nipsnap1	0.18155	0.383461	0.628
Wdr46	0.224374	0.383599	0.628089
Cyp2u1	0.243983	0.383861	0.62845
BC024063	0.790299	0.384031	0.62859
Gm16386	0.652075	0.384492	0.628932
Gm45495	0.40896	0.384469	0.628932
Nlgn1	0.332627	0.384542	0.628932
Rmdn1	0.158195	0.384551	0.628932
Cyp46a1	0.880287	0.38463	0.628951
2610027Kl	0.569278	0.38474	0.628995
Fam136a	0.150076	0.384896	0.629122
Cptp	0.281353	0.384902	0.629122
Dedd	0.153338	0.385253	0.629558
Dhh	0.287489	0.38541	0.629745
Fig4	0.23008	0.385576	0.629811
Mavs	0.207334	0.385701	0.629823
Fam219b	0.116775	0.38571	0.629823
Rpusd4	0.234829	0.386121	0.629947
Rnf220	0.114963	0.386124	0.629947
Zscan21	0.180756	0.386266	0.630044
Tmub1	0.193603	0.3868	0.630571
Gm12905	0.876406	0.38719	0.631139
Mrrf	0.18191	0.387609	0.631546
Filip1l	0.077847	0.387699	0.631625
Iqcb1	0.170834	0.38828	0.632503
Map3k3	0.105982	0.388558	0.632887
Setmar	0.491977	0.3888	0.633006
Gm37366	0.562275	0.388975	0.633153
Gm3145	2.914364	0.38906	0.633222
Gm3791	0.383263	0.389146	0.633288
Grpel1	0.083721	0.389185	0.633288
Oxnad1	0.238779	0.389251	0.633289
Gm35315	0.96007	0.389349	0.633322
Gm37979	1.620574	0.389613	0.633433
Strip2	0.821398	0.38988	0.633661

Scyl2	0.163447	0.39025	0.634056
Calm2	0.048199	0.390413	0.634183
Gm20627	0.57615	0.390753	0.634597
Pfkm	0.172933	0.390931	0.634693
Prex1	0.136967	0.391055	0.634693
Tmem175	0.229632	0.391088	0.634693
Rnf11	0.075232	0.391111	0.634693
Vps50	0.17978	0.391151	0.634693
Oaz3	2.861918	0.391247	0.634712
Prr12	0.126301	0.391517	0.634874
Zfpl1	0.131936	0.391515	0.634874
Hemk1	0.342312	0.391819	0.635083
Gm43275	0.510357	0.391897	0.635083
Gm10209	0.575938	0.391985	0.635083
Sirt6	0.253365	0.392042	0.635107
B3gat3	0.111713	0.392241	0.635291
Glb1l	0.439112	0.392302	0.635321
Mtrf1	0.335161	0.39238	0.635379
Gm43034	0.538226	0.39252	0.635468
Gm43359	0.228567	0.393074	0.636021
Gm15506	0.38681	0.393252	0.636172
Thumpd1	0.137342	0.393504	0.636373
Dhfr	0.216831	0.393584	0.636433
Ndufs2	0.066267	0.393716	0.636578
Cers5	0.093133	0.393963	0.636909
Gm37628	1.199012	0.394048	0.636932
Stx8	0.100555	0.394198	0.637013
Nek10	2.842832	0.394307	0.637024
Inpp5d	0.149371	0.394332	0.637024
Slc12a9	0.22216	0.394549	0.637168
Zfyve21	0.160265	0.394682	0.637295
H2bc6	0.284242	0.395195	0.637927
Gclc	0.138761	0.395232	0.637927
ENSMUSG	0.532882	0.395709	0.638078
Gm50340	0.639458	0.395687	0.638078
Def6	0.117644	0.395688	0.638078
Csnk2a2	0.093773	0.395817	0.638184
Cryz	0.214732	0.396014	0.638242
Rnf10	0.06405	0.396024	0.638242
2900035J1	0.30714	0.396908	0.639346
Rbbp6	0.060665	0.396922	0.639346
Cip2a	0.967014	0.39718	0.639548
Frat2	0.343201	0.397261	0.639548
Tmc6	0.17728	0.39726	0.639548
Rad51b	0.749568	0.397327	0.639584
Gm16552	0.676138	0.397532	0.639717
Fxn	0.215798	0.397507	0.639717

4930405J1	1.323031	0.397646	0.639781
Pde4c	0.21948	0.397663	0.639781
Pcdhgc5	0.470074	0.397788	0.639845
Trim68	0.354131	0.397922	0.639993
Rskr	0.461404	0.398027	0.640092
Ncdn	0.222183	0.398186	0.64028
Pou5f1	0.646404	0.398565	0.640683
Lmbr1l	0.163441	0.398981	0.64105
Usp4	0.10149	0.399008	0.64105
Suds3	0.0965	0.39925	0.641163
Ube2z	0.100946	0.399605	0.641601
Atp5pb	0.051019	0.399608	0.641601
Jkamp	0.094074	0.399727	0.641624
Rrp1	0.065233	0.399742	0.641624
Faf1	0.130178	0.399867	0.641741
4930525G	0.934771	0.399919	0.641756
Tex10	0.163592	0.40014	0.641905
Nt5c2	0.087962	0.400188	0.641913
Rrp1b	0.156814	0.400296	0.64201
Bnip1	0.219292	0.400334	0.64201
Gm14302	1.257351	0.40082	0.642353
Ubtd2	0.328126	0.401215	0.64259
Srp19	0.078569	0.40137	0.64266
9030025P	0.221679	0.401383	0.64266
Gm12840	0.455638	0.401647	0.642888
Sart3	0.159274	0.401781	0.642888
Plekha5	0.137994	0.401806	0.642888
Tmem205	0.094789	0.401826	0.642888
Ccser1	0.280841	0.402305	0.643367
Naf1	0.133289	0.402674	0.643716
Zfp599	0.57238	0.402688	0.643716
Zfp335os	0.550208	0.403065	0.644181
Ccdc159	1.254883	0.403282	0.644322
Pdcd2l	0.179448	0.403515	0.644556
Hkdc1	0.776338	0.403822	0.644716
Slc25a44	0.178546	0.403823	0.644716
Arhgap23	0.109452	0.403838	0.644716
Eif1ad	0.107113	0.404004	0.644856
Tnik	0.515648	0.40405	0.644861
Gna12	0.103066	0.404266	0.645044
Eif2ak3	0.193537	0.404294	0.645044
Cryzl2	0.329479	0.404707	0.645352
A430010J1	1.195494	0.404938	0.645352
Llgl2	0.210428	0.405088	0.645352
Mrpl11	0.095346	0.405109	0.645352
Triqk	0.180452	0.405161	0.645352
Maged1	0.079865	0.405396	0.645633

Gm38355	0.919572	0.405785	0.645976
Klhl15	0.217212	0.405768	0.645976
C1qa	0.544324	0.405882	0.646062
Cep250	0.118638	0.405933	0.646075
Cyren	0.163143	0.405977	0.646077
5430402O	0.631997	0.406315	0.646272
Cfap46	1.102412	0.406549	0.646506
Zfp622	0.113743	0.406629	0.646565
Pcnp	0.059355	0.406786	0.646676
Iffo1	0.179912	0.407069	0.646909
Yaf2	0.084541	0.407077	0.646909
Capn15	0.156319	0.407179	0.646909
Rnps1	0.083767	0.407321	0.646909
Arhgap27c	0.24579	0.407319	0.646909
Gm38292	0.225189	0.407665	0.647317
Gatd3a	0.141658	0.407892	0.64757
Flywch1	0.107771	0.408127	0.647697
Zbed5	0.518141	0.408163	0.647697
Matr3	0.061242	0.408263	0.647737
Stoml1	0.177202	0.408366	0.647799
5033403F	1.42133	0.408487	0.647799
Pmpca	0.149616	0.408494	0.647799
Zdhhc5	0.114465	0.408674	0.647958
Gm15265	0.812722	0.408772	0.648044
Arl5a	0.106791	0.408832	0.648071
Rybp	0.086025	0.408955	0.648197
Syt11	0.146204	0.40907	0.648283
Zbed4	0.290131	0.409614	0.648845
Fam174a	0.074986	0.409875	0.648845
Map2k2	0.074416	0.41002	0.648845
Alg9	0.216453	0.410361	0.648977
Fnbp1	0.12431	0.410392	0.648977
Stx6	0.0961	0.41043	0.648977
Abcf2	0.132827	0.410487	0.648977
Wdr43	0.11054	0.410571	0.649016
Gstz1	0.219933	0.41062	0.649016
Mtch2	0.092976	0.410704	0.649045
Faah	0.351555	0.41088	0.649255
Ppat	0.204893	0.411577	0.650032
Gm49694	0.6297	0.411589	0.650032
Qsox2	0.164854	0.411869	0.650337
Phax	0.083518	0.412092	0.650544
Gm45873	0.504536	0.41213	0.650544
Pcbd1	0.882747	0.412697	0.651138
Mboat1	0.295961	0.412885	0.651186
4833438C	0.262667	0.412881	0.651186
Fam53a	0.12247	0.413212	0.651497

Ccs	0.109802	0.413261	0.651497
Ccdc157	0.174322	0.413299	0.651497
Nemp2	0.252388	0.413579	0.6518
Gars	0.100533	0.413711	0.651902
Dennd1a	0.117302	0.413731	0.651902
Gm44677	2.551825	0.413845	0.651946
Hdhd5	0.278392	0.414044	0.65209
Yap1	0.091282	0.414068	0.65209
Nfrkb	0.121192	0.414442	0.652277
Prickle2	0.195193	0.41458	0.652416
B630019Kl	0.241079	0.415161	0.652919
Gm37106	0.334121	0.415819	0.653838
Gm37783	0.191714	0.416133	0.654211
Crebl2	0.123269	0.416157	0.654211
Prss38	0.891914	0.416424	0.654408
Sec31a	0.083542	0.416465	0.654408
Gm38366	0.435686	0.416533	0.654408
Nanos1	0.174628	0.416589	0.654408
Impa2	0.152895	0.416887	0.65474
Ankrd24	0.207418	0.417076	0.654968
6030460B	0.432624	0.417264	0.655009
Tulp4	0.070287	0.417263	0.655009
Nek8	0.366394	0.417343	0.655009
B130021Kl	0.31302	0.417365	0.655009
Adk	0.14095	0.417561	0.655179
Gcc1	0.174788	0.417698	0.655326
Efna2	0.735898	0.417852	0.655499
Plekhd1	0.549755	0.418332	0.656046
Morn5	1.087614	0.418643	0.656327
Lmo4	0.096021	0.418913	0.65665
Dcaf12	0.126233	0.418965	0.65665
Coprs	0.187211	0.419024	0.65665
Bcl9	0.169765	0.419329	0.657058
Igsf21	0.311388	0.41939	0.657085
Lsm12	0.087271	0.419838	0.65744
Ahcyl2	0.124223	0.419855	0.65744
Hax1	0.116756	0.420092	0.657635
Abhd11os	0.553962	0.42016	0.657673
Zfp746	0.143203	0.420224	0.657704
Bmp1	0.231634	0.420279	0.657721
Prrg1	0.107082	0.420535	0.657846
Thap11	0.116658	0.420858	0.658183
Gucd1	0.178244	0.421138	0.658309
Gm37510	0.457354	0.421359	0.658396
Prkaa1	0.126582	0.421763	0.65884
Klhl32	0.617775	0.421778	0.65884
Zc3h14	0.085151	0.42227	0.659321

Proca1	0.628542	0.422467	0.659456
Gm42715	0.336367	0.422533	0.659456
Atp2b4	0.112433	0.422953	0.659871
Phf13	0.181295	0.42315	0.660006
Gm9403	0.660956	0.423421	0.66036
Fam126a	0.131942	0.423588	0.660483
Gprasp2	0.225322	0.424014	0.66087
Cct7	0.058233	0.424057	0.66087
Slc1a5	0.233651	0.424167	0.660974
Pdcd6ip	0.068905	0.424359	0.661135
Gm40466	0.437968	0.424803	0.661585
Gm42869	0.508748	0.424848	0.661585
Gm14403	0.303505	0.425501	0.662392
Gm12992	0.371222	0.425538	0.662392
Ufm1	0.087137	0.42559	0.662392
Niban1	0.113326	0.425839	0.662612
Mir1931	0.328301	0.426	0.662657
1810024B	0.309288	0.425998	0.662657
Chka	0.097354	0.426191	0.662885
Gzmm	0.198748	0.427888	0.664947
Cisd1	0.080015	0.427982	0.664947
Trp53rkb	0.197824	0.428269	0.665288
Cflar	0.070559	0.428362	0.665364
Atf7ip	0.071212	0.428796	0.66579
Col4a1	0.042871	0.42901	0.665955
Psma4	0.058718	0.429202	0.666095
Cstf1	0.201743	0.429438	0.666095
Alg8	0.418998	0.42955	0.666095
Zfp941	0.30625	0.429565	0.666095
Arl10	0.202428	0.429758	0.666241
Mfsd1	0.113051	0.429773	0.666241
Dagla	0.404257	0.429935	0.66626
Cox6b1	0.041507	0.430032	0.666298
Pds5a	0.078968	0.430186	0.666467
Macroh2a	0.063076	0.430945	0.667362
Prcc	0.148092	0.431033	0.667362
Prkx	0.103284	0.431169	0.667362
Atxn7l3b	0.047899	0.431209	0.667362
Ube2j2	0.096917	0.431372	0.667477
Klc1	0.06897	0.431832	0.66805
Ttll11	0.306174	0.431937	0.668143
Smim8	0.134986	0.432061	0.668266
Zkscan5	0.238268	0.432498	0.668855
Gm28731	0.513932	0.432531	0.668855
Ube2s	0.231339	0.432601	0.668894
Mtftp1	0.272093	0.432686	0.668906
Gpr137	0.178052	0.432743	0.668907

Gm12540	0.991188	0.433137	0.669174
1700096K	0.198938	0.433173	0.669174
Wdr33	0.068429	0.43318	0.669174
Mex3a	0.496368	0.433745	0.669588
Gpt2	0.465552	0.433766	0.669588
Cnot6l	0.051779	0.434014	0.669903
Pfn4	0.929241	0.43423	0.670167
Bphl	0.14551	0.434394	0.670218
Actl6a	0.08778	0.434427	0.670218
Ciao3	0.177121	0.434797	0.67038
Rnaseh1	0.176898	0.434887	0.67038
Wdr91	0.183873	0.435049	0.67038
Pes1	0.136565	0.435085	0.67038
Gm42783	0.303849	0.435522	0.670985
Piga	0.207867	0.435624	0.67099
H1f1	1.169229	0.435728	0.67099
Actb	0.028456	0.435698	0.67099
Mrpl20	0.062815	0.435942	0.671218
Fhad1	0.59653	0.436181	0.671447
Rnf135	0.211399	0.436667	0.671927
Gm41804	0.802027	0.437358	0.672508
Mrpl1	0.143954	0.437384	0.672508
Osbp	0.101186	0.437401	0.672508
Marchf5	0.086995	0.437409	0.672508
Cnnm2	0.177186	0.43754	0.672572
Gm12902	0.775398	0.43828	0.673295
Pcdhga5	0.353365	0.438277	0.673295
Smarca4	0.071719	0.438389	0.673323
Ypel3	0.060102	0.438611	0.673527
Abtb2	0.685089	0.439209	0.67408
Gm26803	1.436192	0.439241	0.67408
Tfap2b	0.490776	0.439732	0.674556
Cc2d1a	0.203541	0.439887	0.674725
Sptlc1	0.120784	0.440014	0.674781
4732496C	0.507134	0.44022	0.675018
Rcc2	0.139278	0.44036	0.675036
Gm4285	0.30403	0.44048	0.67515
Rnf207	0.165541	0.440892	0.675504
Glb1	0.188712	0.441276	0.676025
Ncapd3	0.145416	0.44138	0.676114
Gm38104	0.355924	0.441673	0.676488
Slc6a1	0.239965	0.441715	0.676488
Kdm4d	0.933715	0.441873	0.676662
Gm45407	0.289475	0.442028	0.676739
Mrc2	0.195663	0.442634	0.677429
Lrrfip2	0.0959	0.442793	0.677516
Gm44953	0.812666	0.442858	0.677547

Polr2l	0.132226	0.442914	0.677563
Commd8	0.098684	0.443508	0.678194
Cs	0.091286	0.44392	0.678686
Nubp1	0.184121	0.444156	0.678819
Rbm15b	0.133833	0.444779	0.679445
Spata24	0.323493	0.444992	0.679585
Tmem39b	0.174268	0.445094	0.679631
Tex14	0.729221	0.445128	0.679631
Gm13269	0.796229	0.445569	0.680095
Lrrc70	0.286924	0.445639	0.680133
Wrnip1	0.122852	0.445929	0.680398
Notch2	0.191733	0.446054	0.680489
Polr2j	0.068482	0.446909	0.681586
Tcte2	0.298464	0.447256	0.681976
InsI5	0.616587	0.44777	0.682689
Uqcrq	0.044619	0.447883	0.682792
Chl1	0.824786	0.448082	0.682949
Zfp275	0.161958	0.448587	0.683564
Nup107	0.204336	0.44897	0.683942
Stau2	0.14685	0.449013	0.683942
Gm43778	0.795151	0.449067	0.683942
Rnf180	0.586453	0.449687	0.684612
Rprd1b	0.08992	0.449758	0.684612
Coro2b	0.099062	0.449885	0.684681
Zfp867	0.252078	0.45048	0.68544
Trabd	0.104836	0.450718	0.685682
Mta2	0.0897	0.450813	0.685723
Arhgap25	0.175311	0.451072	0.686047
Mpp3	0.613828	0.45137	0.686361
Sec13	0.08709	0.451855	0.686889
Gm7143	0.572724	0.451952	0.686968
Ccnk	0.111325	0.452136	0.687041
Bivm	0.194722	0.45248	0.687491
Usp49	0.233151	0.452575	0.687565
D330041H	0.271442	0.452663	0.687629
Utp14a	0.114145	0.453491	0.688677
Gm43909	1.157789	0.453595	0.68868
Actr3b	0.345767	0.453668	0.68868
Fkbp9	0.081137	0.454247	0.689336
Psrc1	0.996548	0.45434	0.689406
Mrpl32	0.093287	0.454474	0.68954
Cd68	0.581774	0.454717	0.68956
Reln	0.948871	0.454905	0.689705
Gm49915	0.553763	0.455011	0.689796
Trim27	0.123731	0.455131	0.689838
Gm37465	0.32073	0.455112	0.689838
Abca6	0.636081	0.455497	0.690183

Phf14	0.067464	0.455874	0.690405
Megf6	0.098415	0.45605	0.690571
Tcp11l1	0.233335	0.456084	0.690571
Gm16075	0.966837	0.456168	0.690571
Snip1	0.146883	0.45615	0.690571
Lmtk2	0.152094	0.456583	0.690977
Bbs5	0.157139	0.456883	0.691234
Cybrd1	1.135082	0.457039	0.691345
Plekhb2	0.107198	0.457095	0.691345
Hspa8	0.034377	0.457255	0.691411
Fbxl8	0.196851	0.457405	0.691482
Gfer	0.140943	0.458252	0.692432
Rhno1	0.178625	0.458277	0.692432
H2ac8	0.323293	0.458322	0.692432
Zfp260	0.089417	0.458441	0.692541
Klhdc10	0.114999	0.458591	0.692604
Gm37906	0.235156	0.458754	0.692604
Rgmb	0.120571	0.45876	0.692604
Adnp	0.182588	0.458898	0.692742
Pja2	0.063174	0.458977	0.692792
Snw1	0.061185	0.45923	0.693099
Gm42748	0.286238	0.459916	0.693654
Gm38220	0.50336	0.460047	0.693707
Nxn	0.083975	0.460489	0.694305
Map3k2	0.085578	0.460736	0.694342
Ston1	0.158615	0.460746	0.694342
Cep162	0.132126	0.460879	0.694472
Amigo1	0.237174	0.461244	0.694794
Gm12971	0.559626	0.461325	0.694794
Gm15348	1.155383	0.461554	0.695
Dipk1b	0.250995	0.461628	0.695042
Zfp706	0.058309	0.461938	0.69536
Atg7	0.188071	0.461979	0.69536
Dcun1d1	0.10498	0.462565	0.695963
Gm13421	0.6398	0.463007	0.696296
Coasy	0.15959	0.463008	0.696296
Gm45640	0.558351	0.463106	0.696296
Tmem108	0.187118	0.463096	0.696296
Zdhhc7	0.145641	0.463118	0.696296
Paox	0.24256	0.463144	0.696296
Gm37219	0.716638	0.463483	0.696643
Rab27a	0.305464	0.463566	0.696657
St7l	0.109528	0.463591	0.696657
Gm44550	0.388852	0.463631	0.696657
Kdm8	0.404348	0.463825	0.696809
Rnf168	0.100604	0.463926	0.696888
6330415G	0.878758	0.463972	0.696888

Lemd3	0.121042	0.46402	0.696891
Rep15	0.256634	0.464089	0.696925
Man2b1	0.098647	0.464171	0.696979
Hps6	0.229185	0.464547	0.697403
Gm42840	0.534129	0.464871	0.697495
Zfp940	0.3649	0.464959	0.697531
Sec61g	0.072051	0.465259	0.697562
Csrnp2	0.30584	0.465711	0.698006
Wfs1	0.173099	0.466009	0.698326
Shisa2	0.833645	0.466158	0.69842
Hid1	0.177613	0.46622	0.698443
Cdc25a	0.162855	0.466352	0.698572
Zfp689	0.276498	0.466499	0.698648
Gart	0.15032	0.466711	0.698697
Gm15489	0.946565	0.466959	0.698711
Lnpep	0.062868	0.466925	0.698711
Gtpbp3	0.196478	0.466935	0.698711
Gm16201	0.419714	0.467227	0.699042
Shq1	0.285169	0.467459	0.699115
Tmem129	0.192695	0.467713	0.699254
Nln	0.271169	0.467771	0.699254
Rnf145	0.130585	0.467977	0.699326
Rpp25l	0.094237	0.468194	0.69958
Trim24	0.075909	0.468911	0.700442
Ppp1r18os	0.458245	0.46905	0.700511
Fancc	0.247506	0.469425	0.700794
Gm37710	0.974012	0.469426	0.700794
Acadm	0.06747	0.469678	0.700919
Mgmt	0.202495	0.469692	0.700919
Cap1	0.06213	0.469767	0.700952
Alms1	0.208858	0.469951	0.701157
Gm45358	0.601772	0.470192	0.701258
Fam229b	0.245892	0.470159	0.701258
Psme3ip1	0.096927	0.470206	0.701258
Phf2os1	0.799072	0.470385	0.701455
A930018P	0.538774	0.470508	0.701568
Gm42531	1.222082	0.470609	0.701648
Gm9522	1.124142	0.470782	0.70173
Mrpl35	0.101758	0.470781	0.70173
Zfp202	0.334214	0.470805	0.70173
Tbc1d2	0.243622	0.471317	0.702285
Nrxn2	0.292218	0.471511	0.702437
Zfp983	0.230063	0.471518	0.702437
Gm43625	0.596424	0.471582	0.702437
B230219D	0.044659	0.471647	0.702437
Gm48582	0.230159	0.471703	0.702441
Usp53	0.06191	0.471936	0.702644

Etv5	0.243815	0.471981	0.702644
Gm20604	0.183369	0.472065	0.702644
Gm44668	0.267065	0.472074	0.702644
Ube2o	0.131941	0.472129	0.702656
1110003F	0.413984	0.472286	0.702772
H2ax	0.143784	0.472431	0.702772
Gm3854	0.660411	0.472442	0.702772
2900045O	1.084624	0.472592	0.702925
Parp4	0.08698	0.472731	0.702945
Ubr4	0.07199	0.472745	0.702945
Rnf113a2	0.134291	0.473035	0.703235
Aarsd1	0.275201	0.473152	0.70334
Mitd1	0.103642	0.473684	0.703934
Cpeb2	0.150716	0.473846	0.703947
Cenpn	0.522582	0.473863	0.703947
Sec23ip	0.112828	0.47416	0.704278
Rbks	0.291771	0.474219	0.704278
Nploc4	0.129247	0.474675	0.704833
Mettl17	0.202721	0.475303	0.705272
Zfp652	0.066214	0.475308	0.705272
Kiss1r	0.549917	0.475315	0.705272
C1qtnf4	0.131507	0.475337	0.705272
Bbc3	0.171224	0.475348	0.705272
Tpbg	0.360416	0.475463	0.705329
Usp14	0.096524	0.47548	0.705329
Mapkbp1	0.156367	0.475534	0.705339
Tent2	0.109945	0.475685	0.705493
Ptma-ps2	0.402572	0.475975	0.705783
Zfp14	0.298144	0.476077	0.705866
Tmem268	0.294107	0.476151	0.705905
Gm16262	1.229608	0.476289	0.705938
Bcl9l	0.086562	0.476254	0.705938
Rhou	0.333089	0.476429	0.705938
Nrip3	0.62421	0.476443	0.705938
Gm46378	0.537756	0.477039	0.706242
Erh	0.077897	0.477515	0.706703
Clpb	0.136858	0.478076	0.707116
Serf1	0.204801	0.47852	0.707186
Gm11491	0.65441	0.478589	0.707186
Dram2	0.066104	0.478625	0.707186
Tlnrd1	0.089738	0.478752	0.707186
Fuom	0.177682	0.478805	0.707186
Incenp	0.205158	0.478872	0.707208
Sap18b	0.30067	0.47895	0.707253
Dera	0.18362	0.479048	0.707329
Atxn1l	0.109375	0.479208	0.707494
Gm50232	0.373068	0.479678	0.707844

Gm37660	0.311537	0.479681	0.707844
Nfatc2ip	0.173589	0.479784	0.707879
Slc24a5	0.136518	0.479847	0.707879
Amy1	0.27502	0.480033	0.708081
Gm45464	0.327349	0.4803	0.708269
Gm6710	0.350205	0.480994	0.708733
Mapre3	0.088122	0.481184	0.708944
Cgn	0.596513	0.481811	0.709326
Nipsnap3b	0.109213	0.481822	0.709326
Aifm1	0.116945	0.4819	0.70937
Ptgds	0.187091	0.482105	0.709533
H4c1	0.517628	0.482466	0.709671
Lingo3	0.341498	0.482531	0.709671
Spata6l	0.106452	0.482519	0.709671
Sh2d1a	0.172878	0.482852	0.709796
Mrps26	0.07803	0.482862	0.709796
Aamp	0.065011	0.4829	0.709796
Nsmce4a	0.065526	0.483204	0.71005
Gm47259	0.887739	0.483434	0.71005
Gm49486	0.410392	0.48341	0.71005
Gm10010	0.770204	0.483425	0.71005
Egln2	0.075245	0.483434	0.71005
5330432J1	0.119294	0.48362	0.71005
Gm45570	0.570739	0.48364	0.71005
Tomm40	0.106232	0.483837	0.71005
Alg6	0.14479	0.483844	0.71005
Ppie	0.110431	0.483993	0.71005
Rtn3	0.045633	0.484117	0.71005
Rest	0.078971	0.484341	0.71031
E4f1	0.1185	0.484712	0.710644
Gm49703	0.307821	0.484768	0.710644
Sumf2	0.162118	0.484766	0.710644
Git2	0.046925	0.484925	0.710678
Gm12758	0.192706	0.485067	0.710818
Gm45130	1.799943	0.485239	0.711
Gm37383	0.726786	0.485371	0.711054
Dock2	0.967687	0.48562	0.711279
Mansc1	0.191043	0.485846	0.711365
Purg	0.161095	0.485991	0.711376
C330018D	0.279777	0.486094	0.711376
Anks1b	0.806466	0.486113	0.711376
Cc2d1b	0.166726	0.486289	0.711564
4931414P	0.317166	0.4865	0.711703
Glo1-ps	0.414209	0.486587	0.711703
Nop16	0.173214	0.48667	0.711703
Sgpp1	0.112436	0.486724	0.711714
Vsx1	1.333791	0.486865	0.711767

Fam228a	1.106144	0.487112	0.712003
Calb1	0.605757	0.487439	0.712272
Kbtbd2	0.079828	0.487608	0.712379
Etv3	0.10053	0.487865	0.71257
Naa38	0.068131	0.488077	0.712717
Pacrg	0.338387	0.488891	0.713628
Usp30	0.205804	0.489121	0.713771
Dxo	0.133182	0.489179	0.713771
Zfp963	0.355867	0.489262	0.713771
Nptxr	0.281924	0.489516	0.713904
Faf2	0.083137	0.49069	0.715017
Hs6st1	0.202579	0.490939	0.715222
Gm46136	1.067264	0.491616	0.716138
Zfp995	0.333903	0.491705	0.716199
Leprotl1	0.081198	0.491926	0.716381
Gm39326	0.782436	0.492192	0.71658
Exosc3	0.110663	0.492295	0.71658
Tatdn2	0.132933	0.49233	0.71658
Rps6ka6	0.585715	0.49235	0.71658
Hip1r	0.081826	0.492667	0.716902
Nom1	0.102293	0.49299	0.717199
Loxl2	0.20223	0.493448	0.71776
Gm38309	0.538268	0.493622	0.717944
Gm37132	0.316471	0.493682	0.71796
Eapp	0.061427	0.49394	0.718196
2610301B	0.149308	0.494043	0.718207
Ppfia4	0.747658	0.494823	0.719061
Gm16192	0.546313	0.495342	0.719675
Xrcc3	0.840102	0.495745	0.72006
Atp13a2	0.118363	0.495751	0.72006
Ccdc93	0.170254	0.496569	0.720782
Chp1	0.078346	0.496569	0.720782
Zfp524	0.129006	0.496584	0.720782
Gm44560	0.685472	0.497125	0.721147
Dbf4	0.279019	0.498098	0.721929
Gm44775	0.552613	0.498202	0.722009
Sel1l3	1.049978	0.498323	0.722114
Lrfrn2	0.724853	0.498547	0.722246
Uckl1	0.094675	0.498571	0.722246
Farsb	0.101595	0.498606	0.722246
Plcg2	0.201489	0.498818	0.722302
Riok2	0.137547	0.498838	0.722302
Jrk	0.324473	0.49898	0.722437
Pdzd4	0.357985	0.499233	0.722529
Zcchc18	0.247875	0.499731	0.723105
Snhg17	0.236291	0.499909	0.723293
9430087J2	0.355133	0.500061	0.723362

Cfl2	0.061122	0.500081	0.723362
Slc35f2	0.082634	0.500101	0.723362
Zfand5	0.051151	0.500244	0.723498
Gm10602	0.481359	0.500533	0.723633
Zdhhc23	0.826689	0.50057	0.723633
5830408C	0.190111	0.500651	0.723633
Bmp2k	0.112961	0.500675	0.723633
Dgkd	0.109725	0.500916	0.72384
Gm45120	0.318552	0.501772	0.724866
Atad1	0.086377	0.501952	0.724918
Rims3	0.384021	0.502182	0.725111
Gm15580	0.66837	0.502459	0.725371
Senp2	0.085006	0.503275	0.725988
Psma3	0.0437	0.503421	0.726129
Rpn1	0.064551	0.503821	0.726637
Dnajc17	0.131554	0.504065	0.726806
Snca	0.418506	0.504164	0.726806
Arhgap19	0.285909	0.504182	0.726806
Mfsd4b1	1.646269	0.504417	0.726831
S1pr2	0.317611	0.504442	0.726831
Gm5608	1.658851	0.505162	0.727281
Gm43813	0.653897	0.505246	0.727281
Znrf3	0.123505	0.505287	0.727281
Gm37860	0.471951	0.505368	0.727281
Sec24c	0.096348	0.505386	0.727281
Fgd1	0.153598	0.506152	0.728174
Urod	0.091433	0.506249	0.728239
Sf3b6	0.053423	0.506294	0.728239
Pcdhga7	0.308716	0.506753	0.728829
Ddx19a	0.12957	0.506988	0.729068
Whamm	0.104733	0.507047	0.729068
Csf1r	0.432979	0.507381	0.729354
Kcnmb4	0.25878	0.507677	0.72941
Acvr2b	0.120247	0.507693	0.72941
Akt2	0.103865	0.507924	0.729601
Scarna2	0.869871	0.508063	0.729661
Gm49492	0.134034	0.508356	0.729942
Exoc6b	0.070093	0.508464	0.729957
Plscr4	0.065259	0.508579	0.729982
5830454E	0.292467	0.508981	0.730349
Pex11a	0.195637	0.509088	0.730363
Kcnq1	0.167463	0.509206	0.730444
H2-DMa	0.342501	0.509529	0.730698
Pex14	0.122872	0.509566	0.730698
Gm49329	0.289494	0.509989	0.730959
Gabrb3	0.399425	0.509992	0.730959
Zfp423	0.114974	0.510576	0.731646

Nme2	0.186684	0.510639	0.731646
Lig3	0.129994	0.510667	0.731646
Vps37d	0.3237	0.511334	0.732182
Garnl3	0.255273	0.511334	0.732182
Fam241b	0.373669	0.511438	0.732223
Smtn	0.080304	0.51158	0.732223
Gm42735	0.227487	0.511702	0.732223
Setd7	0.079597	0.51188	0.732223
Spg20	0.093492	0.511892	0.732223
Mid2	0.142445	0.511901	0.732223
Gm6712	0.302489	0.511978	0.732226
Gm29055	0.638202	0.512134	0.732347
Ntrk2	0.430265	0.512426	0.732546
Fstl5	0.826387	0.512455	0.732546
Tnks2	0.05516	0.512469	0.732546
Tspyl2	0.130172	0.512618	0.732631
Gm20172	0.961888	0.512878	0.7328
Traf4	0.24065	0.513023	0.7328
Pate2	0.918722	0.513302	0.7328
Parp9	0.098437	0.51344	0.7328
Gm30025	0.158255	0.513445	0.7328
2310043P	0.639902	0.513625	0.7328
Gripap1	0.085521	0.513778	0.732875
Tmem185l	0.141698	0.513907	0.732922
Zfp457	0.941619	0.514	0.732985
Echdc2	0.442953	0.515256	0.734286
Adgrl1	0.102883	0.515317	0.734304
Wdsub1	0.119861	0.515514	0.734393
Nelfe	0.103136	0.515717	0.734463
4930526A	0.528134	0.515938	0.734629
Gm44037	0.546295	0.516314	0.735025
Cenpu	0.717326	0.516773	0.735539
Gm43203	0.433735	0.516993	0.735781
Naa12	0.068985	0.517347	0.736214
Gsr	0.102178	0.517409	0.736233
4930570G	0.373667	0.517644	0.736376
Gm45890	0.51816	0.517874	0.736545
Prim2	0.230233	0.518112	0.736659
Cdin1	0.346098	0.518145	0.736659
Gm9970	0.557232	0.518202	0.736661
Gm34655	0.95486	0.518309	0.736674
Gar1	0.095565	0.518277	0.736674
Ddah2	0.066094	0.518364	0.736682
Rcor3	0.087977	0.518876	0.73734
Wdr81	0.212032	0.519178	0.737492
Carmil1	0.121879	0.519222	0.737492
Ccdc107	0.077758	0.519229	0.737492

Atp5a1	0.035741	0.519657	0.737819
Erc2	0.361734	0.519724	0.737841
Zscan30	0.496084	0.520188	0.73817
Slc2a4rg-p	0.292662	0.520298	0.73817
Gm49327	0.288424	0.520775	0.738472
Lancl1	0.129631	0.520759	0.738472
Utp6	0.111419	0.520809	0.738472
Arid1b	0.07561	0.520893	0.738472
Gm44116	0.500838	0.520906	0.738472
Nle1	0.252201	0.521098	0.738535
Slc35f6	0.145081	0.521388	0.738806
Hdac8	0.188971	0.522214	0.739626
Gng12	0.058363	0.522696	0.740122
Bicdl1	0.119016	0.522731	0.740122
Trim41	0.096695	0.52291	0.740192
Dnase1l2	0.480653	0.522973	0.740211
Maf	0.181162	0.523551	0.7408
Gm26793	0.719948	0.523587	0.7408
Slc25a29	0.226429	0.523718	0.740916
Gm20186	0.203633	0.523831	0.741005
Inafm1	0.082058	0.524031	0.741148
Desi1	0.095294	0.524189	0.741232
Gm14325	0.332625	0.524415	0.741292
Rab3b	0.350102	0.524629	0.741363
C730034F	0.248135	0.524681	0.741367
Zfp61	0.198562	0.524832	0.741511
Nap1l1	0.049735	0.525003	0.741659
Mxi1	0.063385	0.525036	0.741659
Mgat2	0.070634	0.525473	0.742205
Mtfmt	0.161626	0.525707	0.742243
Gm12094	0.74067	0.525784	0.742243
A930023M	0.474153	0.525828	0.742243
Gskip	0.101157	0.525846	0.742243
Nt5m	0.133437	0.526005	0.742374
2610001JC	0.067232	0.526442	0.742804
Nynrin	0.109341	0.527093	0.743442
Mtmr4	0.137311	0.527298	0.743661
Fam53b	0.083951	0.528113	0.744329
D630036H	0.443075	0.528189	0.744329
Mrps5	0.0736	0.528187	0.744329
Gm17227	0.837294	0.528268	0.744329
Zcwpw2	0.557135	0.528982	0.744984
9430081H	0.328507	0.528997	0.744984
Crb2	0.206454	0.529149	0.745078
Tmtc4	0.141387	0.529597	0.74543
Zfp939	0.244728	0.529648	0.74543
Ccdc87	0.948912	0.529748	0.745456

Ndel1	0.07993	0.53013	0.745851
AA386476	0.270626	0.530282	0.745851
Kmt5c	0.149477	0.53084	0.746337
Tbc1d2b	0.133757	0.531104	0.746436
Gm6477	0.369067	0.531341	0.746436
Ptprk	0.067838	0.531447	0.746436
Nup54	0.1154	0.531495	0.746436
Gm32031	0.148661	0.531559	0.746436
Nacc1	0.091618	0.53158	0.746436
Cnep1r1	0.081201	0.531589	0.746436
Gm47572	0.557707	0.531641	0.746436
Zdhhc4	0.099387	0.531653	0.746436
Gm37443	0.382417	0.531665	0.746436
Zyg11b	0.068505	0.531709	0.746436
1600020E	0.107356	0.532565	0.747242
Sdhc	0.060399	0.5328	0.747478
Gm48949	0.521815	0.533301	0.74796
Rbm33	0.078278	0.533394	0.74796
9530051G	0.612109	0.533819	0.748282
Ppp1ccb	0.572215	0.533928	0.74836
Mrpl40	0.094163	0.534015	0.748411
Dcps	0.113498	0.534321	0.74863
Tgs1	0.070795	0.534416	0.748692
Cep112	0.128808	0.534547	0.748805
Jak2	0.074272	0.534607	0.74882
Thap6	0.315498	0.534704	0.748886
Klhl9	0.062805	0.535115	0.749016
Elmod2	0.105356	0.535237	0.749016
Mnat1	0.084271	0.535298	0.749016
Rps6kb1	0.06141	0.535554	0.749235
Dcaf10	0.101562	0.536042	0.749467
C1qb	0.447111	0.537081	0.75067
Sf3b5	0.055563	0.537232	0.750741
Smarcd2	0.092708	0.537451	0.750854
Pik3r3	0.071175	0.537598	0.750972
4833408A	0.240412	0.537854	0.751259
Gm17207	0.605862	0.53801	0.751337
Enah	0.081907	0.53812	0.751351
Nmd3	0.104199	0.538449	0.751739
Rfc2	0.092052	0.538498	0.751739
Gm45718	0.382417	0.538607	0.75182
Dhx33	0.199569	0.5391	0.752229
Endov	0.153101	0.539189	0.752249
Gm37399	0.163802	0.539232	0.752249
Exoc3	0.070696	0.539266	0.752249
Dennd5a	0.045415	0.539332	0.752272
Tulp3	0.135717	0.539595	0.752403

Pus10	0.176723	0.539614	0.752403
Rspry1	0.077304	0.539627	0.752403
Gm42890	0.919919	0.540005	0.752718
Tmem251	0.112374	0.539995	0.752718
Cnih4	0.053157	0.540372	0.752879
Gm45871	0.185872	0.540496	0.752983
2810021J2	0.367176	0.540961	0.75328
Zfp931	0.124259	0.541065	0.753355
Gprin2	0.52386	0.541186	0.753454
Pdcd7	0.089375	0.54203	0.754093
Ptk7	0.247256	0.542055	0.754093
Usp2	0.11214	0.542099	0.754093
Taf6	0.105186	0.542724	0.754682
Med7	0.088723	0.543031	0.754924
Rbms2	0.083421	0.5431	0.754924
Gm49937	0.369135	0.543119	0.754924
Utp23	0.123804	0.543201	0.754924
Cdipt	0.073116	0.543667	0.755291
Eif3g	0.052471	0.543762	0.755354
Nr1d2	0.058358	0.543852	0.755408
Kyat3	0.214819	0.544076	0.75565
Zfp830	0.094198	0.544245	0.755744
Nras	0.05626	0.544343	0.755811
Lmtk3	0.430184	0.544612	0.755947
B230317F	0.915042	0.544724	0.755947
Klhl7	0.107341	0.544745	0.755947
Fcho2	0.039967	0.544928	0.756026
Lrba	0.081772	0.545049	0.756044
Gm11960	0.631996	0.545117	0.756044
6030442K	0.330642	0.545498	0.756431
Abi1	0.053373	0.545746	0.756635
Serpinh1	0.04426	0.545925	0.756814
Gm42843	0.219101	0.546243	0.757013
Ubox5	0.219063	0.546341	0.757013
Sec61a1	0.059761	0.546563	0.757013
Vdac2	0.039487	0.546575	0.757013
Ccdc89	0.447027	0.546716	0.75707
Tmem161	0.097505	0.54681	0.757129
Sae1	0.077113	0.546876	0.75715
Gm38067	0.403288	0.547115	0.757411
Zcchc17	0.058799	0.547793	0.757696
Gm49767	0.179591	0.547826	0.757696
Gm16041	1.030563	0.547796	0.757696
Coq2	0.088698	0.548249	0.75802
Cyp7b1	0.198387	0.548365	0.75802
Xylt2	0.138556	0.548483	0.758114
Fmo5	0.111851	0.549071	0.758738

Top3b	0.093473	0.549447	0.759026
Myef2	0.078722	0.550193	0.7598
Sec63	0.048657	0.550517	0.759955
Hmga1	0.287328	0.550526	0.759955
A330074K	0.44433	0.550599	0.759987
Mcm2	0.180914	0.550675	0.760021
Polr2f	0.051657	0.550874	0.760085
Rwdd4a	0.086453	0.551077	0.760226
Glrbl	0.34209	0.551174	0.760244
Keap1	0.066998	0.551385	0.76044
Gm43696	0.16715	0.551746	0.760798
Gm14634	0.54654	0.552281	0.761466
Emc7	0.044524	0.552845	0.762032
Thoc6	0.15455	0.55298	0.762056
Gm9042	0.634857	0.553015	0.762056
Rabl3	0.154682	0.553175	0.762137
Slirp	0.059272	0.553527	0.76234
Zfp516	0.077368	0.553679	0.76241
Rgr	0.548243	0.554003	0.762755
Zbtb1	0.089536	0.554031	0.762755
Mapk1ip1	0.089391	0.554085	0.762759
Sphk1	0.471973	0.554445	0.762974
9130401V	0.113882	0.554525	0.763013
Gm37305	0.199382	0.554752	0.763254
Rgs20	0.174338	0.555019	0.763482
Mrgpre	0.160517	0.555347	0.763628
Dhx40	0.073566	0.555522	0.763628
Gm48375	0.204672	0.55557	0.763628
Nat2	0.275712	0.555584	0.763628
Gm43032	0.479849	0.555583	0.763628
Cnksr3	0.112396	0.55581	0.763799
Hs6st2	0.922445	0.555973	0.763941
Racgap1	0.334958	0.55635	0.76419
Slc10a4-ps	1.344092	0.556597	0.764356
Gm11423	0.326968	0.556853	0.764524
Fndc3a	0.066103	0.557001	0.764524
Gm15829	0.64576	0.557377	0.764764
Al413582	0.133743	0.55743	0.764764
Entpd2	0.356179	0.557444	0.764764
Rad23a	0.066822	0.557431	0.764764
Gm10605	0.46196	0.557573	0.764817
Pex19	0.082902	0.557624	0.764817
Pld4	0.621064	0.557964	0.765201
Ndufs3	0.061237	0.558052	0.765201
Limd2	0.159858	0.558099	0.765201
Nutf2-ps1	0.279231	0.558108	0.765201
Flot2	0.109416	0.55844	0.765516

D6Wsu163	0.168365	0.558785	0.765848
Akt1s1	0.090709	0.559071	0.765854
Gm48708	0.540842	0.559146	0.765854
Gm49683	0.420771	0.559415	0.766081
Zfp189	0.181296	0.559511	0.766142
Slc35g1	0.608511	0.560739	0.767473
Gabbr1	0.082796	0.560794	0.767478
Mtfr1	0.095792	0.560987	0.767671
Necab2	0.243171	0.561221	0.767852
2810049E	0.688707	0.561394	0.767931
Gas2l1	0.084206	0.561478	0.767931
Gm42729	0.491095	0.561594	0.768011
Spg11	0.186204	0.561758	0.768165
Tmem28	1.310034	0.56187	0.768178
Fxyd2	0.468313	0.561843	0.768178
Hspb11	0.091846	0.562022	0.768246
Slc9a3r1	0.086813	0.562146	0.768344
Zfp704	0.062339	0.562358	0.768458
Rbm45	0.197585	0.562651	0.768542
Abhd14a	0.099754	0.562735	0.768542
Csnk1g3	0.070163	0.562734	0.768542
Sardh	0.214117	0.562873	0.768589
Gm50431	0.22311	0.56289	0.768589
Rbak	0.120865	0.563665	0.769157
Ss18	0.072378	0.563976	0.769372
Znhit3	0.103736	0.564036	0.769383
Rpl29-ps2	0.576716	0.564312	0.769642
Ass1	0.080346	0.564329	0.769642
Rel2	0.401381	0.564605	0.769886
Zdbf2	0.371162	0.565204	0.770205
Prkd3	0.052438	0.56563	0.77052
Slc39a11	0.277517	0.565809	0.770678
Gtf2h1	0.08502	0.566374	0.771236
Tmem266	0.466713	0.566878	0.771713
Stk4	0.087933	0.566981	0.771713
Ccdc73	0.260414	0.567286	0.771979
Gm17951	0.498427	0.567331	0.771979
Smndc1	0.062832	0.567539	0.772097
Socs1	0.181542	0.567959	0.772207
BC060293	0.178796	0.568191	0.772377
Gm9442	0.5201	0.568373	0.772392
Gm37268	0.737336	0.568485	0.772392
Fbh1	0.094752	0.568564	0.772392
Gm4876	0.313385	0.569274	0.773146
Gm37868	0.688784	0.569681	0.773384
Grip1	0.382916	0.569796	0.773384
Mbd5	0.091311	0.57041	0.773864

Rhobtb2	0.138627	0.570424	0.773864
Foxk1	0.088777	0.570585	0.773864
Cbarp	0.256807	0.57064	0.773864
Zc3h18	0.07055	0.571051	0.77402
Pipox	0.754474	0.571172	0.77404
Txn14b	0.280861	0.572108	0.774944
Odf2	0.089784	0.57215	0.774944
Gm37943	0.416248	0.572795	0.775453
4921531C	0.24787	0.572889	0.775453
1700028K	0.47554	0.573259	0.775744
Usp10	0.085412	0.573405	0.775802
Gga1	0.081661	0.574364	0.776538
Rgl3	0.25542	0.574411	0.776538
Vma21	0.074704	0.574802	0.776778
Lamtor5	0.043695	0.574992	0.776965
Plpp2	0.144161	0.575428	0.777274
Sp6	0.243884	0.575973	0.777659
Rab26os	0.171062	0.576147	0.777825
Arhgdib	0.058604	0.576346	0.777859
Gm43466	0.312478	0.57638	0.777859
Gnptab	0.113932	0.57646	0.777896
Rimbp3	0.691038	0.576618	0.778039
Atp5h	0.025685	0.576904	0.778267
Hba-a1	0.188677	0.576943	0.778267
Gm43445	0.359933	0.577005	0.778281
Gm9958	0.411502	0.577637	0.779046
Tmem151	0.42963	0.577676	0.779046
Dph5	0.161155	0.577955	0.779181
Tmem19	0.114722	0.577985	0.779181
Arpin	0.125494	0.578076	0.779223
Diras2	0.167824	0.579027	0.779954
Rpph1	0.886557	0.579354	0.780254
AW04620	0.275582	0.579534	0.780304
Mfn1	0.082315	0.57959	0.780304
Rpl10-ps6	0.480841	0.57979	0.780421
Arhgap24	0.169956	0.579896	0.780449
Vkorc1l1	0.081665	0.57999	0.780449
Itga4	0.099564	0.580059	0.780449
4732491K	0.283429	0.580083	0.780449
Mtif3	0.096757	0.580124	0.780449
Cplx1	0.576063	0.580191	0.78047
Ribc1	0.363297	0.58053	0.780785
Angpt2	0.115505	0.580758	0.781021
Cad	0.147004	0.581147	0.781301
Plekha4	0.352124	0.581175	0.781301
Glo1	0.034167	0.581304	0.78136
Gm48961	0.49749	0.581743	0.781783

Yju2	0.105033	0.581879	0.78179
1700088E	0.252786	0.581904	0.78179
Dffb	0.163241	0.582028	0.781864
A930037H	0.212389	0.58221	0.78192
Ccdc47	0.044838	0.582347	0.782034
Pcif1	0.057056	0.582512	0.782111
E2f3	0.171223	0.582561	0.782111
B130034C	0.358409	0.582756	0.782217
Akirin1	0.057239	0.582792	0.782217
Rtca	0.085769	0.583473	0.782634
Pcdhb16	0.168843	0.583526	0.782635
Cetn4	0.158357	0.583857	0.782968
Ddx28	0.154335	0.584126	0.782968
Xxylt1	0.110704	0.584181	0.782968
Gpr89	0.091675	0.584266	0.782968
Cep170b	0.148164	0.584392	0.782968
9530056K	0.787251	0.584439	0.782968
Cir1	0.070953	0.584492	0.782968
Cpsf6	0.052506	0.584545	0.782968
Atp5g2	0.114064	0.584559	0.782968
Ralgps1	0.134272	0.58518	0.783449
Foxred2	0.4097	0.585261	0.783488
Olfm1	0.157507	0.585527	0.783634
Gsdme	0.260011	0.585714	0.783814
Ccz1	0.068503	0.585839	0.783866
Gm15706	0.109313	0.585858	0.783866
Clpp	0.063825	0.586909	0.784992
Dcaf6	0.084435	0.587018	0.784998
Gm5112	0.228766	0.587222	0.785002
Cntrl	0.084564	0.587948	0.78566
Atg101	0.06863	0.587986	0.78566
Cdk5r2	0.121031	0.588092	0.785713
Xk	0.267164	0.588131	0.785713
Gm12996	0.422213	0.588854	0.78654
Zfyve28	0.14694	0.588985	0.786644
Casp7	0.093419	0.589092	0.786658
Gm37780	0.242234	0.589536	0.787081
Dck	0.172206	0.589623	0.787081
Gm47320	0.248053	0.589639	0.787081
Eml4	0.066951	0.58968	0.787081
Gm16378	0.301347	0.58997	0.787242
Mapk14	0.071444	0.590182	0.787242
Numb1	0.154435	0.590286	0.787242
Csf2ra	0.174495	0.590379	0.787242
Efnb3	0.64473	0.590598	0.787464
Tdrd9	0.74597	0.590827	0.787629
Phkg2	0.100443	0.590826	0.787629

Al429214	0.256961	0.591072	0.787815
Gm43300	0.225386	0.591377	0.788082
Frg2f1	0.247774	0.591497	0.788144
Msl1	0.047565	0.591759	0.788208
Coq9	0.112511	0.591829	0.788208
Parl	0.07408	0.59184	0.788208
Sall2	0.140803	0.592293	0.7886
Atg4c	0.162943	0.592716	0.788845
Cdk20	0.20282	0.592829	0.788868
Mgst3	0.059362	0.592973	0.788904
Arsk	0.123167	0.593299	0.789101
Samd7	0.148295	0.593462	0.789101
Gm45698	0.323131	0.593513	0.789101
Tmem203	0.096216	0.593509	0.789101
Gm40332	0.580332	0.593634	0.789122
Spink10	0.246198	0.59369	0.789127
Gm7265	0.210389	0.594249	0.78952
Tlk2	0.062976	0.594245	0.78952
Dhdh	0.115945	0.594699	0.789977
Gm44321	0.259543	0.594773	0.790006
Scfd2	0.227511	0.595091	0.790136
Elmo2	0.074697	0.59515	0.790136
Sec11a	0.053322	0.595151	0.790136
Gan	0.110013	0.595164	0.790136
Gna11	0.035607	0.595328	0.790199
Ss18l1	0.209984	0.595394	0.790199
Ogg1	0.178452	0.596199	0.790792
Wwtr1	0.034526	0.596521	0.79104
Gm16499-	0.254834	0.59654	0.79104
Lrrc47	0.090827	0.596909	0.79126
Fyb	0.552805	0.597522	0.7919
Pomgnt2	0.198981	0.597912	0.792149
Pdia4	0.063023	0.597921	0.792149
Gk5	0.129575	0.598069	0.792275
Smyd3	0.105126	0.598196	0.792352
Mrpl22	0.094465	0.598233	0.792352
Scaf1	0.067301	0.598444	0.792491
Inka2	0.129178	0.598542	0.792551
Mypopos	0.212262	0.598885	0.792725
Gm47155	0.510436	0.599172	0.792931
Sidt2	0.074515	0.599622	0.793336
Polg2	0.121553	0.599665	0.793336
Eml5	0.099268	0.599751	0.79338
Med10	0.059439	0.599973	0.793503
Rhbdd1	0.102957	0.600003	0.793503
Gm42937	0.36238	0.6001	0.793538
Kansl3	0.056063	0.600258	0.79363

Mapkapk2	0.079972	0.600356	0.793645
Casp8ap2	0.066191	0.600376	0.793645
Entpd7	0.139108	0.600538	0.793772
Sgta	0.063799	0.600636	0.793772
Gpr107	0.075114	0.60068	0.793772
Fchsd1	0.243057	0.600683	0.793772
Gnmt	0.549567	0.600796	0.79378
Zer1	0.077011	0.600892	0.793837
Tradd	0.133652	0.60121	0.794055
Csgalnact1	0.080868	0.601216	0.794055
Eif4e	0.057806	0.601449	0.794249
Tmem69	0.27828	0.601575	0.794249
Fbxl2	0.109627	0.601564	0.794249
Gm45501	0.159407	0.601638	0.794262
Hlx	0.095608	0.601801	0.794301
2610001A	0.526243	0.601839	0.794301
Nubpl	0.125708	0.601925	0.794301
U1-34	0.73373	0.602187	0.794496
Aldh5a1	0.143354	0.602333	0.794597
Tmem104	0.149659	0.60237	0.794597
Fam174b	0.278414	0.602647	0.794823
Cyb561a3	0.150273	0.602904	0.795024
Acad9	0.102404	0.602906	0.795024
Lym2	0.087412	0.603002	0.795081
Zfp335	0.134971	0.603194	0.795081
Gm37509	0.43219	0.603239	0.795081
Uckl1os	0.169284	0.603313	0.795081
Gm37090	0.264096	0.603374	0.795081
Camkk1	0.21221	0.603574	0.79518
Ddx49	0.107121	0.603609	0.79518
Lrrc1	0.153936	0.603714	0.79518
Rims1	0.302163	0.603936	0.795402
Cdkn1a	0.033622	0.604279	0.795747
Zfp512b	0.107069	0.604304	0.795747
Fam216a	0.088162	0.604449	0.795867
Ube2j1	0.078788	0.604829	0.795985
Trnp1	0.192604	0.604894	0.795985
6330549D	0.426453	0.604938	0.795985
Arhgap45	0.47176	0.604964	0.795985
Crxos	0.297995	0.604962	0.795985
Nck2	0.119513	0.605046	0.796023
Rpp21	0.060745	0.605412	0.796366
Zfp954	0.165923	0.605526	0.79639
Gnaq	0.037782	0.605553	0.79639
Gm7536	0.252597	0.60559	0.79639
Mcm5	0.231076	0.606006	0.796673
Ginm1	0.045966	0.606019	0.796673

Cops7b	0.118566	0.606165	0.796762
Aim2	0.163197	0.606246	0.796762
Gm15998	0.088151	0.606363	0.79677
Usp6nl	0.061784	0.6064	0.79677
Gm29237	0.240165	0.606724	0.797032
Cdc26	0.049155	0.606771	0.797032
Slc35d2	0.113098	0.606824	0.797032
Gtpbp8	0.110672	0.606957	0.797068
Asb7	0.109984	0.607136	0.79708
Zfc3h1	0.06385	0.607139	0.79708
Cdk17	0.047309	0.607192	0.79708
Tbc1d17	0.073292	0.607424	0.797216
Zfp729b	0.131529	0.607443	0.797216
Tatdn3	0.156286	0.607581	0.797217
Lrch3	0.056424	0.607604	0.797217
Pnkp	0.090521	0.60797	0.797554
Mef2a	0.033364	0.608124	0.797554
Gm43863	0.317059	0.608919	0.798313
N4bp2l2	0.039127	0.609356	0.798462
Rhbdd3	0.147562	0.609409	0.798462
Fam219a	0.090672	0.609565	0.798531
Gm50455	0.25329	0.609906	0.798864
Zpr1	0.085651	0.610362	0.799027
Tle1	0.059174	0.610371	0.799027
Diaph1	0.047625	0.610812	0.799434
Bmerb1	0.614023	0.610871	0.799434
Gm37738	0.345369	0.610867	0.799434
Slc37a4	0.124764	0.610896	0.799434
Bcdin3d	0.120977	0.611423	0.799845
Mfsd4b4	0.351131	0.611514	0.799883
Gopc	0.080569	0.611618	0.799883
Npc1	0.082249	0.611786	0.799883
Cenpf	0.776878	0.611852	0.799883
Rpl9-ps6	0.100182	0.611887	0.799883
Pphln1	0.088088	0.611914	0.799883
A930004J1	0.087967	0.611967	0.799883
Gm12987	0.277517	0.612113	0.799978
Csrnp3	0.362273	0.612225	0.800042
Aco1	0.093153	0.612502	0.800138
Gm47322	0.472462	0.612744	0.800244
Arsb	0.097377	0.613314	0.800778
Gsg1	0.524453	0.613366	0.800778
Gm16982	0.524205	0.614099	0.801455
Kremen1	0.084226	0.614157	0.801459
Gm2027	0.560399	0.614294	0.801461
Ahcyl1	0.038895	0.614318	0.801461
Dnajc30	0.079838	0.615013	0.802062

Gm43305	0.208244	0.615098	0.802062
Zswim5	0.270141	0.615229	0.802103
Cd3eap	0.103605	0.615238	0.802103
Rabgap1	0.055377	0.615398	0.802171
Atcay	0.558676	0.615564	0.802284
Gins2	0.205912	0.615933	0.802515
Gm47113	0.485922	0.61606	0.802515
Rdh10	0.123848	0.616144	0.802515
Arhgap28	0.216799	0.616364	0.802732
Pcx	0.170642	0.616538	0.80285
Uqcc1	0.097325	0.616572	0.80285
Zfp160	0.098962	0.616623	0.80285
Maml2	0.061251	0.616669	0.80285
Ccdc112	0.11401	0.617164	0.803284
Xpo6	0.079037	0.617561	0.803729
Hr	0.28029	0.618633	0.804846
Gm20522	0.361168	0.618801	0.804857
Gm50008	0.077608	0.618802	0.804857
Mmab	0.186361	0.619126	0.805051
6720475M	0.347589	0.61922	0.805051
4732414G	0.376496	0.619302	0.805087
Txlng	0.093069	0.619362	0.805096
Tmem181	0.095493	0.620244	0.805899
Ppp1r1b	0.225793	0.620303	0.805899
Serpini1	0.077333	0.620431	0.805986
Prkag2	0.122011	0.620524	0.805986
Pgrmc1	0.038484	0.620765	0.80614
Cbr1	0.065385	0.621001	0.80614
Gm37124	0.198615	0.621081	0.80614
Senp3	0.076072	0.621599	0.806305
Cope	0.043571	0.621969	0.806584
Hyal3	0.328146	0.622016	0.806584
Fbll1	1.002796	0.623106	0.807718
Gm10177	0.149192	0.623514	0.808037
Pdk3	0.132641	0.623726	0.808172
Stau1	0.058711	0.624138	0.808251
Ngb	0.390043	0.624135	0.808251
Gm5436	0.462665	0.624168	0.808251
4930403P	0.332647	0.624769	0.808683
Gm25517	0.765586	0.624876	0.808731
Trappc2	0.079079	0.625262	0.808902
Fabp12	0.083053	0.625621	0.809108
Gm48904	0.549316	0.625691	0.809108
Gm7180	0.18542	0.625872	0.809272
Slc45a4	0.144284	0.626301	0.809638
Lpar6	0.05515	0.626365	0.809638
Gm5617	0.092714	0.626375	0.809638

Odf2l	0.104244	0.626562	0.809675
Gm9856	0.124871	0.627017	0.810052
Wwc1	0.43704	0.627527	0.810541
Rragb	0.329089	0.627557	0.810541
Cdc42bpg	0.163313	0.627629	0.810563
Mat2b	0.044516	0.627727	0.81062
Rnf217	0.101876	0.628289	0.810966
Yipf1	0.059008	0.62832	0.810966
Rcbtb2	0.086998	0.628637	0.811198
Fbxw17	0.142039	0.628996	0.811312
Uppt	0.396894	0.629027	0.811312
Taf5l	0.093224	0.629158	0.811312
Spin1	0.051236	0.62921	0.811312
Gm9929	0.653743	0.629401	0.811312
Med18	0.146772	0.629587	0.811346
Gemin6	0.168105	0.62992	0.81149
Gm19967	0.254959	0.629973	0.81149
B3galnt2	0.101361	0.629973	0.81149
Gm45251	0.210024	0.630066	0.811541
Ptrhd1	0.083756	0.631052	0.81248
Mif-ps4	0.317712	0.631308	0.812651
Gm28557	0.26105	0.631575	0.812924
Dek	0.031221	0.631734	0.812989
Unc5a	0.365909	0.631949	0.813196
Brca2	0.130981	0.632312	0.813524
Slc35b3	0.085456	0.632425	0.8136
Gm45719	0.342653	0.632793	0.813819
Strap	0.046385	0.632939	0.813841
Ddx25	0.532315	0.633282	0.814072
Kdm6b	0.049387	0.633609	0.814423
Calb2	0.363001	0.634236	0.815046
Ciao2a	0.062973	0.634258	0.815046
Grcc10	0.063562	0.634354	0.815095
Dgka	0.085673	0.634472	0.815095
Mthfsl	0.099633	0.634481	0.815095
Orai3	0.083644	0.634568	0.815095
Sgsh	0.150858	0.634714	0.815214
Acot8	0.095997	0.63492	0.815249
Catspere2	0.515333	0.63496	0.815249
Snrpa1	0.061956	0.635072	0.815323
Tpd52	0.028689	0.635409	0.815686
Zfp58	0.170555	0.635654	0.81586
Cnnm3	0.080822	0.635751	0.815915
Zbtb21	0.100531	0.636057	0.816097
Vegfd	0.152189	0.636343	0.816097
Lekr1	0.178366	0.636568	0.816097
Gm44045	0.195709	0.636583	0.816097

Lonp1	0.076445	0.636595	0.816097
Sort1	0.054914	0.636681	0.816097
Sec23b	0.071932	0.636723	0.816097
Nudcd2	0.073598	0.636834	0.816097
Derl1	0.054348	0.636928	0.816097
Rabep1	0.049646	0.63751	0.816772
Gm37524	0.269345	0.63819	0.817503
Scrn1	0.177841	0.638689	0.818002
Snx9	0.061962	0.639075	0.818114
E430021H	0.120836	0.639145	0.818114
Slc9a7	0.393622	0.639165	0.818114
2310033P	0.070757	0.639213	0.818114
Map2k4	0.06884	0.639471	0.818235
Ngf	0.135595	0.639798	0.818512
Stx19	0.33976	0.640023	0.818591
Gm44270	0.201671	0.640276	0.818801
Asb3	0.103992	0.640462	0.818943
Bcl7b	0.049918	0.64063	0.818963
4930465K	0.977265	0.640697	0.818963
Spcs3	0.063094	0.640681	0.818963
Plk1	0.717494	0.640778	0.818997
Pigz	0.286282	0.641637	0.819955
Rac3	0.263199	0.641699	0.819964
Gm37900	0.253684	0.641793	0.819978
Pdap1	0.035843	0.64182	0.819978
Zfp395	0.072562	0.6426	0.820684
Pcdh17	0.052254	0.642955	0.820942
P3h1	0.121318	0.643046	0.820955
Pdlim7	0.06328	0.643176	0.82101
Gm37702	0.715697	0.643496	0.821279
Ccng2	0.07065	0.643663	0.821351
Platr25	0.130992	0.644649	0.822255
Tefm	0.149779	0.644728	0.822255
Csnk1e	0.04018	0.644755	0.822255
Tbc1d12	0.054639	0.644981	0.822473
Pck2	0.071498	0.645195	0.822676
B430203G	0.351452	0.645455	0.822933
Rpl32l	0.303556	0.645506	0.822933
Golph3	0.050621	0.645825	0.823193
Gna14	0.331204	0.645948	0.823216
Ebpl	0.04399	0.646543	0.823683
Spen	0.040443	0.646551	0.823683
Gm42697	0.673096	0.646909	0.823949
Ptptra	0.037993	0.647101	0.824122
Pdk1	0.090198	0.647273	0.824132
Pygo2	0.082784	0.647444	0.82428
Hbs1l	0.070595	0.647538	0.82433

Pcyox1	0.061633	0.647986	0.824689
Dyrk3	0.499566	0.648166	0.824848
Rxrg	0.691807	0.649	0.825417
Gm43289	0.492508	0.649109	0.825417
Gm43294	0.437202	0.649582	0.825946
Hacd1	0.146328	0.649636	0.825946
Vsir	0.05849	0.649819	0.82599
Gm49449	0.653144	0.649835	0.82599
Col4a4	0.090616	0.649947	0.826062
Fam135b	0.409554	0.651084	0.8271
Zswim7	0.114695	0.651142	0.8271
Col23a1	0.144293	0.651184	0.8271
Ap3m1	0.057684	0.651229	0.8271
Zfp369	0.126368	0.651261	0.8271
Ubxn2b	0.104377	0.651557	0.827335
Fam171a1	0.055705	0.651863	0.827544
Zgpat	0.115576	0.652097	0.82767
Smim31	0.928748	0.652326	0.827794
Vta1	0.057457	0.652439	0.827794
Armcx3	0.058578	0.65253	0.827794
Gm19236	0.932136	0.652576	0.827794
Zfp790	0.127314	0.652581	0.827794
C230062I1	0.24672	0.65268	0.827849
1700124L1	0.414245	0.652991	0.828033
Rsad1	0.15499	0.65299	0.828033
Mrps11	0.072771	0.653808	0.828788
Gm47503	0.417981	0.654194	0.829207
Cog1	0.090804	0.654311	0.829285
Gm44152	0.192152	0.654507	0.829342
B4galt3	0.084501	0.654748	0.829418
Gm38066	0.117576	0.654902	0.82944
Cherp	0.068014	0.655024	0.829453
Cab39	0.038683	0.655153	0.829509
Wdcp	0.091918	0.655286	0.829538
Pole3	0.064023	0.655341	0.829538
Prr14l	0.100875	0.655546	0.829671
9130221H	0.136616	0.655557	0.829671
Mbtps1	0.053448	0.655649	0.829674
Gm26533	0.364781	0.655749	0.829674
Gm9996	0.891137	0.655767	0.829674
Zmym5	0.041859	0.655814	0.829674
Gm15261	0.161484	0.655992	0.829674
Mtres1	0.080494	0.656007	0.829674
Aip	0.048376	0.656075	0.829674
Xrcc1	0.081505	0.656114	0.829674
Lmln	0.165215	0.656544	0.829937
Ccdc189	0.249791	0.656868	0.830192

Fam110a	0.072044	0.656973	0.830192
4833428L1	0.617434	0.657412	0.830296
Opa3	0.076857	0.657546	0.830296
Psmb4	0.030023	0.657576	0.830296
Nrip1	0.039214	0.657604	0.830296
Gm18829	0.209937	0.657845	0.830452
Sigmar1	0.082184	0.657936	0.830452
Gnasas1	0.883395	0.658416	0.830901
Dalrd3	0.074258	0.658645	0.831049
Usp11	0.139736	0.658895	0.831225
Coq8a	0.20646	0.659043	0.831264
Zfp800	0.054766	0.659093	0.831264
Kcnh7	0.719721	0.659647	0.831665
Kirrel	0.085534	0.65994	0.831785
Ciao1	0.064913	0.660131	0.831834
Mttp	0.155764	0.660561	0.832124
S100b	0.160467	0.660701	0.832124
Gm3435	0.284068	0.660817	0.832177
Fam160a2	0.083896	0.661217	0.832611
Ccdc184	0.099915	0.661507	0.832835
Gm42946	0.266965	0.661827	0.833098
Cobl	0.19728	0.662007	0.833146
Mapk1ip1l	0.050139	0.662294	0.833272
Plcb3	0.069111	0.66241	0.833272
Aph1c	0.317199	0.663142	0.833702
Gm17251	0.158976	0.663645	0.833844
Fbxl4	0.104406	0.663882	0.834072
Gm43361	0.131407	0.664315	0.834476
Hdac1	0.042874	0.664731	0.834719
Zfp960	0.235678	0.665224	0.835094
Cep44	0.093583	0.665386	0.835121
Gm15760	0.266556	0.665906	0.835524
Strn4	0.054573	0.665926	0.835524
Azi2	0.043944	0.666034	0.835584
Gm48334	0.22708	0.666108	0.835607
Dtnb	0.110531	0.666464	0.835857
Folh1	0.245018	0.666475	0.835857
Elovl2	0.122841	0.666787	0.836099
Gm42829	0.233415	0.667033	0.836099
Nudt19	0.088204	0.667046	0.836099
Gm38297	0.278356	0.667585	0.836553
Nprl3	0.099788	0.667592	0.836553
Trp53i13	0.079288	0.667949	0.836864
Kcnn1	0.665411	0.668329	0.837182
Ambra1	0.080071	0.668318	0.837182
Lrrc61	0.145181	0.668684	0.837182
Alpk2	0.508037	0.668706	0.837182

Al987944	0.085159	0.669219	0.837615
Slco5a1	0.312117	0.669574	0.837989
Abhd17b	0.062925	0.669921	0.83811
Kdm2b	0.087161	0.670424	0.838556
1700018LC	0.187175	0.67073	0.838704
Fer	0.068797	0.670762	0.838704
Nsfl1c	0.048531	0.67129	0.83911
2310010J1	0.079287	0.671434	0.83911
Snx25	0.095267	0.671472	0.83911
Gm48236	0.388698	0.671651	0.839171
Rab35	0.054003	0.67168	0.839171
4930563E	0.182644	0.671861	0.839287
Ube2g2	0.061275	0.672098	0.839295
D630030B	0.199962	0.672156	0.839295
Porcn	0.098181	0.672208	0.839295
Tbce	0.080024	0.672243	0.839295
Zfp973	0.252589	0.672694	0.839664
Ddx52	0.06379	0.672793	0.839664
Ip6k3	0.241168	0.672968	0.83978
Slc9a2	0.13844	0.673041	0.8398
Gm26549	0.276039	0.673297	0.839953
Rab29	0.115364	0.673372	0.839953
Fn3k	0.155772	0.673461	0.839953
Pemt	0.298263	0.673614	0.839953
Scd1	0.332526	0.673653	0.839953
2010001A	0.101977	0.673668	0.839953
2310061I0	0.078895	0.674062	0.840095
Pak4	0.077951	0.674525	0.840473
Gm37211	0.620471	0.674587	0.840473
Rab11fip5	0.057133	0.674759	0.840473
Gm19710	0.558209	0.674945	0.840635
Ptprz1	0.248027	0.675151	0.840752
Smarcd3	0.110276	0.675536	0.840952
Tyms	0.109444	0.676166	0.841228
5730507A	0.217619	0.676264	0.841228
Gm5628	0.384572	0.676368	0.841288
Nmbr	0.834958	0.676552	0.841446
Dr1	0.066384	0.676856	0.841615
Rexo2	0.036461	0.677347	0.841876
Akt1	0.039617	0.677651	0.841967
3110021N	0.144868	0.677725	0.841967
Katnbl1	0.056507	0.677733	0.841967
Bsn	0.21768	0.678191	0.842296
Ppm1b	0.047375	0.678294	0.842325
C2cd2	0.055711	0.678521	0.842403
Nr2c2	0.047961	0.678559	0.842403
Mastl	0.25794	0.678623	0.842413

Cfap298	0.068314	0.678853	0.842629
Noc3l	0.101013	0.679299	0.843042
Tspan6	0.082557	0.67956	0.843158
Adat1	0.135822	0.679561	0.843158
Comtd1	0.088306	0.679641	0.843187
Scaf4	0.061845	0.679836	0.843342
Gm48986	0.479388	0.679879	0.843342
Tigd5	0.171212	0.680232	0.843597
Nr2c1	0.101401	0.680253	0.843597
Syt10	0.52635	0.6804	0.843709
Mrfap1	0.025588	0.68065	0.843913
Dnase2a	0.100807	0.6807	0.843913
Gm17231	0.204155	0.681684	0.844742
Tmem147	0.323759	0.68185	0.844857
Ggct	0.10947	0.68189	0.844857
Dock5	0.134378	0.682466	0.845361
Dok6	0.781597	0.682827	0.845503
Star	0.251334	0.68292	0.845503
Gm47583	0.23528	0.683014	0.845503
Nphs1	0.613167	0.683209	0.845651
Sh3rf1	0.06412	0.683356	0.845763
Gm2531	0.147226	0.683526	0.845765
Gm43081	0.421985	0.683658	0.845788
Pcgf6	0.112194	0.683885	0.846
Glg1	0.032027	0.684009	0.846083
Ficd	0.10595	0.684231	0.846185
Zfp821	0.079396	0.684261	0.846185
5930411N	0.521585	0.684578	0.846437
Gm37289	0.268047	0.685586	0.846954
Timm23	0.044142	0.685649	0.846954
Kif26a	0.035176	0.685675	0.846954
Zc3h7a	0.039327	0.685853	0.847034
Ctnna2	0.791534	0.686494	0.847475
Nob1	0.087319	0.686573	0.847503
Slc44a1	0.036444	0.686631	0.847505
Osgepl1	0.085594	0.686839	0.847692
Mpc1	0.035266	0.687054	0.847888
Gm8251	0.323704	0.687303	0.848065
Bex1	0.16611	0.687547	0.848217
Gm42672	0.472457	0.687936	0.848387
Cdh4	0.123683	0.688232	0.848498
Smyd4	0.112604	0.688329	0.848498
Cnn2	0.033058	0.688764	0.848709
Cntnap1	0.197763	0.688802	0.848709
Gm37914	0.216717	0.688926	0.848709
Zfp938	0.08282	0.689123	0.848762
Thoc3	0.059314	0.689313	0.848927

Ramac	0.041077	0.689375	0.848932
Micu1	0.06513	0.689645	0.849055
Ebf2	0.106503	0.689959	0.849224
Frat1	0.227496	0.690022	0.849224
Nt5dc2	0.061446	0.690574	0.84978
Gcnt1	0.090473	0.690651	0.849805
Thyn1	0.07768	0.691071	0.850106
Aars2	0.12405	0.691124	0.850106
Naif1	0.155577	0.691521	0.850316
Mfng	0.046216	0.691696	0.850438
Odr4	0.051879	0.692315	0.850897
Gm37314	0.306714	0.692344	0.850897
Rap1gap2	0.322082	0.692417	0.850897
Map2k1	0.058204	0.692448	0.850897
Spry2	0.068518	0.692884	0.851294
Gm48128	0.424225	0.693061	0.851394
Med15	0.04981	0.693137	0.851394
Gm27239	0.838325	0.693542	0.851822
B3gat2	0.154954	0.693854	0.852039
Apbb3	0.114156	0.694018	0.852046
Klhl12	0.072446	0.694341	0.852046
B230312C	0.578073	0.69435	0.852046
Phyh	0.053867	0.694745	0.852263
Osbpl11	0.066018	0.694887	0.852285
Atg4d	0.07585	0.695338	0.852699
6430550D	0.350624	0.695463	0.852783
Rai2	0.175378	0.69621	0.853374
Zfp229	0.100093	0.696311	0.853374
Gm47826	0.21275	0.696329	0.853374
Ift52	0.072435	0.696345	0.853374
Rrn3	0.071259	0.696502	0.85348
Slc25a14	0.114817	0.696674	0.85348
Mrnip	0.143788	0.696816	0.853532
Tmem116	0.359414	0.697274	0.853773
Gm15421	0.303746	0.697304	0.853773
Sco2	0.08566	0.697355	0.853773
Rassf7	0.17204	0.697449	0.853777
Snhg10	0.159998	0.697472	0.853777
Sebox	0.160871	0.69773	0.853954
9930017N	0.085184	0.697802	0.853972
Borcs5	0.099263	0.698283	0.854328
Xpo4	0.054039	0.698489	0.854328
Gca	0.132662	0.698545	0.854328
Dscam	0.509385	0.698549	0.854328
Cox6c	0.018508	0.698614	0.854337
Ssna1	0.04364	0.699074	0.85462
Gm37447	0.223427	0.699168	0.854665

Ogdh	0.033384	0.699436	0.854784
Arhgef4	0.282747	0.699668	0.854928
Gm44090	0.333252	0.70014	0.855341
Klhl42	0.07853	0.700194	0.855341
Arhgef5	0.051338	0.700463	0.85555
Chd7	0.043324	0.700758	0.85577
Tmem167	0.035825	0.701093	0.85611
Pqbp1	0.049179	0.701807	0.856876
Slc25a22	0.080557	0.701835	0.856876
Lrrc23	0.320349	0.702367	0.857246
Usf2	0.032585	0.702491	0.857313
Asic4	0.267575	0.702996	0.857599
Mlycd	0.060578	0.703115	0.857599
Glis2	0.060561	0.703192	0.857599
Ptbp2	0.053398	0.703274	0.857599
Nap1l4	0.031798	0.703337	0.857599
Gm43984	0.144515	0.703363	0.857599
Ypel4	0.320556	0.703388	0.857599
Zswim6	0.05685	0.703401	0.857599
Gm43267	0.303051	0.703508	0.857615
Ggnbp2	0.032431	0.703528	0.857615
lqgap1	0.019812	0.703815	0.857894
Ppcdc	0.098791	0.704025	0.858045
Pim2	0.188878	0.704494	0.858162
Ung	0.173776	0.704492	0.858162
Mpeg1	0.442375	0.704909	0.858249
Cxxc1	0.051103	0.705426	0.858599
Tspan33	0.219762	0.705617	0.858693
Tmem242	0.062723	0.70675	0.859437
Rnf7	0.02619	0.706871	0.859437
Maip1	0.065286	0.707366	0.859703
Brsk2	0.114395	0.707852	0.860004
Dhx34	0.137091	0.707891	0.860004
Zfp518b	0.106926	0.708166	0.860186
Phykpl	0.071856	0.708356	0.860277
Gm13394	0.247307	0.708665	0.86046
Zswim3	0.182979	0.708887	0.860486
C130073E	0.401894	0.709091	0.860486
Zbtb40	0.113956	0.70912	0.860486
Gm16754	0.191742	0.709223	0.860494
Gm30531	0.211742	0.709329	0.860552
Lhx4	0.370047	0.709401	0.860569
Zfp609	0.05265	0.709491	0.860577
Serac1	0.26231	0.709522	0.860577
Pwwp2b	0.054329	0.709696	0.860698
Sez6	0.187084	0.709806	0.860698
Nudt3	0.040638	0.709998	0.860698

Hs1bp3	0.093396	0.710024	0.860698
Calu	0.030452	0.710024	0.860698
Morc4	0.149794	0.710149	0.860744
Rhobtb3	0.073082	0.710577	0.860904
Ppp1r7	0.044111	0.710687	0.860904
9130604C	0.222208	0.710711	0.860904
Polr2d	0.063305	0.710709	0.860904
Gm8373	0.4348	0.710893	0.861054
Tfe3	0.061628	0.710986	0.861097
Chst7	0.099952	0.711307	0.861322
Gm8624	0.092013	0.711358	0.861322
Tmem131	0.040439	0.711721	0.861569
Gm42659	0.122171	0.712051	0.861899
Hfm1	0.5272	0.7125	0.862302
Ccdc138	0.142186	0.712871	0.862682
Anapc1	0.041955	0.712948	0.862706
Zdhhc9	0.061046	0.713299	0.862841
Sfswap	0.040728	0.713397	0.862841
Echdc1	0.079403	0.713406	0.862841
Smarcd1	0.045049	0.713839	0.863135
Gm47324	0.211482	0.713919	0.863135
Asph	0.050203	0.714389	0.863135
Gm27200	0.69421	0.714409	0.863135
Gm45534	0.200567	0.714456	0.863135
Stard3	0.068993	0.715528	0.864147
Prdm4	0.082053	0.715582	0.864147
Cops6	0.036639	0.71589	0.86431
Mob3a	0.087402	0.716253	0.864609
Zfp783	0.153818	0.716536	0.864741
Gm47689	0.225832	0.716636	0.864778
Trappc5	0.045113	0.716877	0.864934
Scarf1	0.041011	0.716985	0.864934
Zfp84	0.067932	0.717084	0.864984
Eml3	0.054123	0.717176	0.865025
Gm4045	0.198049	0.717371	0.865153
Gtf2h4	0.088831	0.717471	0.865153
Gm37776	0.679068	0.717499	0.865153
Frmpd2	0.093324	0.717607	0.865153
Dync2i1	0.076237	0.71801	0.865544
Rnf24	0.135709	0.718175	0.86555
Gm43263	0.715578	0.718189	0.86555
Afg3l2	0.068071	0.718311	0.865603
Gm6030	0.411436	0.718788	0.865839
Kif18a	0.15796	0.718848	0.865839
Rasgef1b	0.15511	0.718891	0.865839
Brf2	0.085146	0.718989	0.865886
Slc12a5	0.065093	0.719346	0.865968

7SK-110	0.348161	0.719489	0.866006
2010315B	0.062669	0.719493	0.866006
Tmem63a	0.067978	0.719754	0.866088
Tdg	0.063704	0.720196	0.866088
Bloc1s5	0.073422	0.720258	0.866088
Pym1	0.080282	0.720281	0.866088
Psme3	0.059968	0.720313	0.866088
Zbtb44	0.044321	0.7204	0.866123
H3c7	0.391356	0.7209	0.866396
Zfp212	0.063472	0.720903	0.866396
F420014N	0.281211	0.720906	0.866396
Gm10933	0.258243	0.72092	0.866396
Tmem74	0.687806	0.720993	0.866396
Fbxo11	0.03405	0.721255	0.866455
Rarb	0.176805	0.721464	0.866565
2610012C	0.154678	0.721456	0.866565
Gch1	0.038279	0.721521	0.866565
Apool	0.066524	0.721624	0.86662
Twink	0.105465	0.721815	0.86678
F8a	0.081731	0.722207	0.867181
Ccdc136	0.088862	0.722449	0.867333
Sf1	0.031568	0.722544	0.867377
A630089N	0.177311	0.72327	0.867971
Crmp1	0.313039	0.723376	0.868011
Zfp511	0.054475	0.723535	0.868012
Ehd2	0.028127	0.723975	0.868398
Gm9776	0.171411	0.724329	0.868754
Gm48586	0.17025	0.724537	0.868794
Pcgf3	0.054913	0.724774	0.868982
Atp6v1d	0.035866	0.725275	0.869254
Prep	0.061665	0.725404	0.869254
Gm45441	0.180889	0.725559	0.869254
Lym7	0.097778	0.725918	0.869476
Apobec1	0.097692	0.726129	0.869627
Ybey	0.115014	0.72616	0.869627
Man2c1os	0.258456	0.726428	0.869804
Ulk1	0.052003	0.726709	0.870005
Cdv3	0.031171	0.727258	0.870233
Dlgap4	0.037068	0.727314	0.870233
Prps2	0.124133	0.727423	0.870233
Fabp3	0.262662	0.727421	0.870233
Rabggtb	0.051588	0.727623	0.870403
Gsk3b	0.020946	0.728029	0.870819
Gm28370	0.523672	0.728485	0.871098
Naxe	0.037008	0.728772	0.871098
Taf1a	0.104861	0.728908	0.871098
Rorc	0.252774	0.728963	0.871098

Rft1	0.081032	0.728982	0.871098
Fam133b	0.034167	0.729005	0.871098
Gm4419	0.191244	0.729018	0.871098
2900060B	0.117311	0.729224	0.871165
Gpalpp1	0.046423	0.729515	0.871166
Phtf1os	0.234492	0.729939	0.871486
Ccdc160	0.122703	0.730265	0.871599
Gm15834	0.373297	0.730431	0.871599
Hps3	0.060697	0.730546	0.871599
Gm28229	0.235424	0.730602	0.871599
Atxn7l2	0.148696	0.730909	0.871608
Cbx8	0.101946	0.73094	0.871608
Lsm2	0.040075	0.731034	0.871608
A430018G	0.09975	0.731078	0.871608
Haus4	0.078824	0.731176	0.871608
Gm37788	0.083376	0.731311	0.871681
Scaf8	0.043152	0.731577	0.871758
Taok1	0.02341	0.731609	0.871758
Cd276	0.214368	0.731843	0.871899
A130050O	0.136575	0.7323	0.872305
Pcdhb14	0.103937	0.732643	0.87261
Epha3	0.193849	0.732717	0.87261
Gm38393	0.244742	0.733134	0.872881
Efcab15	0.242821	0.733549	0.87326
Rnpepl1	0.034194	0.733568	0.87326
A930036K	0.066457	0.733751	0.873353
Uba1	0.033383	0.733764	0.873353
Yipf5	0.04075	0.733877	0.873419
Rfwd3	0.067145	0.73406	0.873498
Pfdn4	0.047082	0.734339	0.873729
Zfp346	0.088235	0.735183	0.874409
Myl4	0.086135	0.735221	0.874409
Gm14636	0.098986	0.735369	0.874435
Gm21846	0.256263	0.735424	0.874435
Thrb	0.086437	0.735497	0.874443
Atf5	0.050852	0.735905	0.874735
Stac2	0.194788	0.736434	0.875209
Tigd2	0.044218	0.73673	0.875492
Gm45413	0.11604	0.737156	0.875859
Pdcl3	0.031099	0.737337	0.875865
Foxj2	0.049931	0.737501	0.875982
Ccdc163	0.07997	0.737626	0.875982
Pknox2	0.18141	0.7377	0.875982
Peli3	0.087684	0.737728	0.875982
Brip1os	0.067223	0.73795	0.876177
Fam98b	0.050925	0.738036	0.876209
Prps1	0.056015	0.738271	0.876365

Gm37583	0.135212	0.738285	0.876365
Gm26814	0.313868	0.738393	0.876425
Ctnnd1	0.028785	0.73871	0.876635
Kcnn2	0.452149	0.738766	0.876635
1700040D	0.311673	0.738804	0.876635
Srp9	0.023382	0.73889	0.876668
1810021B	0.224858	0.739232	0.877003
Ovca2	0.126267	0.73934	0.877062
Zmynd8	0.034857	0.739497	0.877078
Zfp37	0.066437	0.739609	0.877103
Ankrd52	0.091575	0.740074	0.877378
Trp53bp2	0.065577	0.740175	0.877427
R3hdm4	0.041945	0.740521	0.877698
Ppil3	0.086268	0.740604	0.877727
Gm47794	0.33833	0.740832	0.87788
Fto	0.035541	0.741027	0.87802
Stoml2	0.042616	0.741237	0.87811
St3gal5	0.062565	0.741312	0.87811
Gm44114	0.495378	0.741646	0.878336
Mef2b	0.221729	0.742162	0.878739
Cacng7	0.140043	0.742553	0.879039
Gm43162	0.110847	0.74258	0.879039
Gm7908	0.207685	0.742592	0.879039
Rnf19a	0.040213	0.743029	0.87916
Gm17092	0.145624	0.743216	0.87916
Gpld1	0.152632	0.743222	0.87916
4931415C	0.209017	0.743499	0.879348
Gm37499	0.212258	0.743575	0.879369
Stk11ip	0.107602	0.743873	0.87948
Fdxr	0.101722	0.744082	0.879552
Cpsf7	0.040121	0.744398	0.879786
Rtf1	0.025124	0.744858	0.880044
Gm32282	0.192009	0.745384	0.880286
mt-Tg	0.125723	0.745497	0.880286
Sdr42e1	0.210519	0.745603	0.880286
Kifc1	0.288847	0.745639	0.880286
Zfp133-ps	0.533268	0.745703	0.880286
Dnajc9	0.051203	0.745943	0.880387
Gm37423	0.090866	0.746056	0.880425
Car11	0.178949	0.74629	0.880562
Slc25a1	0.042007	0.746495	0.880665
Pcdh15	0.071522	0.746743	0.88087
Gm6483	0.274801	0.746811	0.88087
Pbdc1	0.053018	0.747022	0.880925
Dtymk	0.046988	0.74725	0.88107
Tbx2	0.048302	0.747642	0.881179
Dhx37	0.139504	0.747728	0.881179

Gm44256	0.476039	0.747777	0.881179
Gm50071	0.31471	0.747792	0.881179
Aebp2	0.033654	0.747813	0.881179
Dnai1	0.605515	0.74836	0.881516
Ccdc15	0.103443	0.748847	0.881886
Ttc9c	0.059906	0.748884	0.881886
Gm45769	0.191338	0.749246	0.882173
Gm11737	0.197077	0.749443	0.882266
Shisa8	0.289041	0.749885	0.882522
Scarb2	0.034094	0.749945	0.882522
2310068J1	0.271141	0.750598	0.883041
Abtb1	0.06299	0.750664	0.883041
Scmh1	0.036169	0.750825	0.883041
Scn4a	0.269667	0.750944	0.883041
Mri1	0.065293	0.750983	0.883041
Ide	0.041102	0.751034	0.883041
Sugct	0.153875	0.751045	0.883041
Plekha1	0.031806	0.75116	0.883107
Nol10	0.079874	0.751567	0.883516
Gm48766	0.167264	0.75181	0.883733
Tesk2	0.149667	0.752001	0.883888
Ilkap	0.033276	0.752235	0.88396
Gm45444	0.399675	0.752313	0.88396
Abhd8	0.047686	0.752358	0.88396
2310011JC	0.045287	0.752439	0.883986
Tenm2	0.358348	0.752507	0.883996
Prdm2	0.030508	0.753096	0.884549
Gm37115	0.21405	0.753256	0.884619
Gm37248	0.573317	0.753365	0.884658
Stx1a	0.064583	0.75381	0.884993
Chml	0.077831	0.753944	0.884993
Ebi3	0.268396	0.754017	0.884993
Prob1	0.173627	0.754064	0.884993
Cep43	0.07747	0.754374	0.885148
Dffa	0.070005	0.754373	0.885148
Prepl	0.088772	0.754538	0.885257
Tmem198l	0.0767	0.754586	0.885257
Hint2	0.031817	0.755133	0.885553
Rbm22	0.033911	0.755427	0.88579
Ppp1r37	0.043572	0.755694	0.886002
Gm4204	0.104041	0.755895	0.886168
Eef2k	0.05643	0.756044	0.886205
Syde1	0.047756	0.756351	0.886495
Cntfr	0.119962	0.756668	0.886723
Slain1	0.225141	0.756712	0.886723
Necap2	0.037893	0.756866	0.886811
Gm13408	0.285045	0.756919	0.886811

Zfp180	0.053703	0.756976	0.886811
Zfp748	0.078867	0.757431	0.886974
Wbp1	0.039534	0.757447	0.886974
Mthfd1	0.07959	0.757463	0.886974
Tm4sf1	0.016721	0.757974	0.887355
Gm19040	0.38106	0.758315	0.887686
Rpl21-ps1	0.33145	0.758752	0.887886
Bcl2l2	0.054155	0.758951	0.887946
Mfap1b	0.032982	0.758968	0.887946
Gm14207	0.08296	0.7591	0.887946
Men1	0.054501	0.759123	0.887946
Lat2	0.259057	0.75944	0.888099
Pik3c3	0.061883	0.759802	0.888349
Efl1	0.068723	0.760124	0.888607
Polr1h	0.030176	0.760538	0.888849
Plxnc1	0.19443	0.760916	0.88913
Intu	0.138344	0.761103	0.88928
Dpm1	0.035583	0.761165	0.889283
Fam217a	0.095247	0.761369	0.889383
Gm13349	0.140694	0.761706	0.889568
2610002N	0.054891	0.761783	0.889588
Lrrc45	0.077476	0.761892	0.889645
Pced1b	0.102789	0.76195	0.889645
Mir670hg	0.233946	0.762038	0.889678
Pts	0.043145	0.762183	0.889735
Arhgap32	0.046911	0.762338	0.88975
Radil	0.132112	0.762943	0.890073
Inpp5a	0.043275	0.763184	0.890073
Mif	0.020316	0.763272	0.890073
Nagpa	0.06671	0.763296	0.890073
Pgap6	0.11639	0.763354	0.890073
Al847159	0.038373	0.763527	0.890167
Sars2	0.127434	0.763917	0.89035
Plcb4	0.024061	0.763985	0.89035
Arid2	0.032496	0.7641	0.89035
Gm45133	0.18775	0.764493	0.890602
Pak1	0.18155	0.76473	0.890663
Gm10643	0.199439	0.764785	0.890663
Mrpl13	0.034668	0.765056	0.890811
Gm43689	0.249608	0.765178	0.890811
Cenpl	0.108647	0.765412	0.890836
Gm33989	0.041024	0.765595	0.890836
Gm36445	0.227389	0.765616	0.890836
Gm14322	0.240635	0.765805	0.890836
Fadd	0.081451	0.765815	0.890836
Prkg1	0.042907	0.765827	0.890836
C530005A	0.19939	0.765998	0.890852

Zfp846	0.074023	0.766142	0.890927
Bend4	0.301617	0.766429	0.891191
Gm2109	0.395222	0.766724	0.8914
Spryd4	0.084207	0.766802	0.8914
Tie1	0.023555	0.767424	0.891779
Nup210	0.281159	0.767614	0.891876
Golga7	0.03109	0.768068	0.892064
Fam160b2	0.060687	0.768169	0.892064
Nt5dc1	0.065609	0.768247	0.892064
Zcchc2	0.055868	0.768252	0.892064
Dclk2	0.087394	0.768484	0.892263
Ajm1	0.308346	0.768618	0.89235
Tmsb15b1	0.13135	0.768825	0.892482
Ppargc1a	0.076164	0.768911	0.892482
Catsper2	0.197294	0.769277	0.8927
Exosc8	0.041267	0.769629	0.89297
Dip2b	0.029231	0.769996	0.893162
Tbk1	0.040452	0.770029	0.893162
1700019L1	0.101169	0.770134	0.89321
Dlgap3	0.320767	0.770399	0.893349
Pfkfb4	0.105939	0.77058	0.89345
Gm45088	0.257646	0.770854	0.89363
mt-Tk	0.238464	0.771073	0.89363
Snrpd2	0.023098	0.771089	0.89363
Rnf150	0.062327	0.771093	0.89363
Epn1	0.030029	0.771416	0.893924
1700052K	0.093765	0.771556	0.893924
Capza2	0.019016	0.771686	0.893971
Rars	0.04235	0.771793	0.894025
C2cd2l	0.038864	0.77213	0.894209
Srprb	0.046871	0.772314	0.894262
Trappc10	0.03541	0.772355	0.894262
Fcf1	0.040697	0.772575	0.894379
Vat1l	0.069833	0.772844	0.89462
Ramp1	0.118398	0.772931	0.894652
Gm49494	0.277582	0.77308	0.894725
Mob1a	0.027045	0.773131	0.894725
BC046251	0.521593	0.773449	0.894758
C1qbp	0.032273	0.773464	0.894758
C230085N	0.314319	0.773828	0.895067
Ifnar2	0.020369	0.774167	0.895321
1700055D	0.299644	0.774251	0.895349
Diablo	0.042825	0.774436	0.895429
Ttpal	0.05641	0.774876	0.895551
Tincr	0.196863	0.775005	0.895599
Cbwd1	0.055926	0.775554	0.896095
Cyb561d1	0.095786	0.77586	0.896194

Gm32250	0.253938	0.775939	0.896194
Gm43598	0.245889	0.776061	0.896266
Vrk1	0.056877	0.776126	0.896271
Slc17a3	0.504008	0.776642	0.896716
Myg1	0.048824	0.777237	0.897139
Phf21a	0.032907	0.777722	0.897354
Pip4k2a	0.052173	0.778027	0.897557
Lpgat1	0.037818	0.778128	0.897557
Pgk1	0.023583	0.778139	0.897557
Thnsl1	0.103901	0.778835	0.898012
R74862	0.102492	0.778883	0.898012
Nanp	0.073748	0.77912	0.898205
Srebf1	0.049725	0.779271	0.898309
Ndufa12	0.027257	0.779504	0.898456
Zfp455	0.157566	0.779804	0.898525
Zfp971	0.108571	0.779818	0.898525
Gm48237	0.378575	0.780442	0.898968
Gm44830	0.232631	0.780973	0.899371
Spring1	0.070399	0.781209	0.8995
Gm37891	0.21532	0.781214	0.8995
Casc1	0.317625	0.781474	0.8995
Wdr27	0.077489	0.781496	0.8995
Gm15446	0.087561	0.781617	0.8995
Vps13b	0.040322	0.781903	0.899612
Pigs	0.053657	0.782022	0.899675
Kin	0.03972	0.782084	0.899675
Ephb2	0.390497	0.782332	0.899829
Rab23	0.055628	0.782446	0.899842
Hectd2	0.157837	0.782524	0.899842
Cbx2	0.120681	0.782876	0.899971
Plvap	0.2561	0.783387	0.900489
Tm9sf1	0.081883	0.783694	0.90068
Man2c1	0.053464	0.783734	0.90068
Gm42941	0.159535	0.784051	0.900976
Eif2b1	0.060428	0.784194	0.901071
Ttc4	0.044626	0.784379	0.90109
Nars2	0.098355	0.784504	0.90115
Pan3	0.024418	0.784849	0.901477
Ccnt1	0.027089	0.786325	0.902549
Vapb	0.027327	0.786519	0.902703
Zdhhc17	0.037863	0.786598	0.902724
Ctso	0.029844	0.786764	0.902792
Shfl	0.045311	0.786799	0.902792
Gm37519	0.155775	0.786837	0.902792
Otulinl	0.168099	0.786923	0.90282
St3gal3	0.083002	0.787048	0.90283
E130018N	0.494068	0.78751	0.903195

E03002211	0.074353	0.787576	0.903195
Gm39214	0.219556	0.787611	0.903195
Gpatch8	0.021693	0.787697	0.903224
Eif4h	0.018736	0.788158	0.903462
Morf4l1-p:	0.122206	0.78819	0.903462
Rcor1	0.031002	0.788206	0.903462
Ctnnal1	0.079812	0.788725	0.903639
Traf2	0.063266	0.788824	0.903639
Sp1	0.02466	0.788997	0.903639
Zfp709	0.117423	0.78905	0.903639
Gm47439	0.335388	0.789586	0.903939
Ndufa9	0.030416	0.789629	0.903939
Otulin	0.04021	0.789648	0.903939
Zfp942	0.056471	0.789793	0.903972
Dnajc18	0.044527	0.789835	0.903972
Spg21	0.035595	0.790161	0.90425
Fam135a	0.041524	0.790687	0.90471
Gm13785	0.197448	0.790858	0.90471
Gm21988	0.100107	0.791152	0.904761
Glrx5	0.027216	0.791329	0.904894
Cdk8	0.03891	0.791516	0.904972
Ccdc97	0.045756	0.791767	0.905125
Mpped2	0.059913	0.791948	0.905191
Klc3	0.072384	0.791951	0.905191
Gba	0.05834	0.792174	0.905237
Mis18a	0.053954	0.792341	0.905237
Dna2	0.150901	0.792354	0.905237
Rbmx2	0.057565	0.792459	0.905245
Polr2a	0.024191	0.792483	0.905245
Pigp	0.032164	0.793048	0.905641
Coq10a	0.049045	0.793302	0.905836
Ccdc102a	0.043898	0.793663	0.906047
Rtf2	0.028299	0.793682	0.906047
Sumo2	0.013466	0.793729	0.906047
Zfp54	0.154157	0.794118	0.906357
Gm47659	0.473526	0.794443	0.906586
Elp5	0.038261	0.794634	0.906735
Larp6	0.106134	0.794888	0.906955
Tram1l1	0.121396	0.795014	0.907029
Gm42508	0.294361	0.795313	0.907238
Map3k12	0.050728	0.796066	0.907648
Bud23	0.04353	0.796306	0.907812
Klhdc3	0.044861	0.796493	0.907956
Anpep	0.062947	0.796723	0.907991
Asah1	0.028694	0.796836	0.907991
Chchd6	0.050438	0.796888	0.907991
Gm37018	0.216154	0.797134	0.908098

C430042M	0.165407	0.797163	0.908098
Fnip2	0.03713	0.797474	0.908383
Ranbp6	0.05221	0.797649	0.908513
Sec22c	0.07194	0.79855	0.909262
D230022J	0.297652	0.799204	0.909596
BC005537	0.018964	0.799548	0.909776
Slc35e4	0.043483	0.800189	0.910083
Ppp4r1l-ps	0.035547	0.800304	0.910083
Tvp23a	0.141394	0.800559	0.910234
Cstf2t	0.040494	0.800851	0.910498
Gmnn	0.051604	0.801037	0.910571
Zc3h12c	0.053046	0.801379	0.910821
Pfkfb1	0.22437	0.801688	0.910986
Ccdc186	0.025734	0.801721	0.910986
Gm42986	0.091236	0.801731	0.910986
Gm46440	0.254954	0.8022	0.911399
H2bc9	0.263711	0.802371	0.911464
9330102E	0.218516	0.802835	0.911853
Nup50	0.035638	0.803038	0.911945
Spon1	0.083388	0.80314	0.911991
Gm43187	0.125922	0.803477	0.912305
Csdc2	0.11762	0.803934	0.912504
Elf2	0.020489	0.803996	0.912504
Sun1	0.026388	0.80432	0.912709
Hhex	0.031333	0.804479	0.91274
Spata33	0.224985	0.804615	0.91274
Atl2	0.031495	0.804615	0.91274
Ccdc120	0.132388	0.804657	0.91274
Poglut1	0.037638	0.804713	0.91274
Bag1	0.019992	0.805148	0.913026
Trappc11	0.037009	0.805262	0.913086
Gm48604	0.118332	0.805525	0.913314
Izumo4	0.052815	0.805679	0.913371
Gm38021	0.099111	0.806466	0.913931
mt-Tm	0.081202	0.806529	0.913931
Ubiad1	0.086464	0.806557	0.913931
Xpot	0.035713	0.806663	0.91397
Arrdc4	0.123795	0.806717	0.91397
Trp53i11	0.055288	0.807081	0.914179
Gm7868	0.115971	0.80708	0.914179
Lrrc42	0.04518	0.807275	0.914261
Coq5	0.038468	0.807415	0.91435
Dnmbp	0.048454	0.807488	0.914363
Gm21596	0.06845	0.808131	0.914746
Paxx	0.035238	0.808302	0.914801
Spata2	0.043837	0.808677	0.915086
Tmbim6	0.012498	0.808877	0.915227

Exoc4	0.031899	0.808923	0.915227
Irf8	0.093781	0.8091	0.915274
Slc38a7	0.06784	0.809343	0.915426
Taf2	0.039359	0.809686	0.915675
Zbtb33	0.051917	0.809897	0.915813
BC003965	0.029455	0.810654	0.916367
Gm47588	0.268056	0.810793	0.916442
Ormdl2	0.037812	0.810905	0.916499
Pgam1	0.017347	0.811046	0.916589
Zkscan6	0.072834	0.811256	0.916619
Asb1	0.064083	0.81154	0.916802
Gm48442	0.300659	0.811848	0.916943
Ints5	0.062539	0.812175	0.917034
Pafah1b2	0.021793	0.812629	0.917157
Tmsb15b2	0.20344	0.812703	0.917157
Rpl36-ps9	0.133735	0.812896	0.917157
Ddx20	0.065807	0.81303	0.91717
Rfx3	0.058557	0.81319	0.917223
Cdc27	0.036034	0.813223	0.917223
Pcdhga11	0.153688	0.81326	0.917223
Scand1	0.021286	0.814039	0.917756
Tox	0.081667	0.814303	0.917923
Cebpa	0.095663	0.814371	0.917923
Gins1	0.214275	0.8145	0.917999
Rpl38-ps2	0.068718	0.814761	0.918085
Pkia	0.040253	0.815103	0.918402
Mon1a	0.065083	0.815398	0.918665
Mrpl51	0.02327	0.815701	0.918888
Trpm1	0.101328	0.815807	0.918918
Podxl2	0.088001	0.815971	0.918964
Fam83h	0.329768	0.816331	0.919232
Iqsec3	0.07198	0.81671	0.919495
Ighmbp2	0.082142	0.816836	0.919495
Polh	0.07428	0.816872	0.919495
Gm37437	0.188357	0.817117	0.919633
Wdr46-ps	0.185052	0.817374	0.919651
Lratd2	0.055333	0.817517	0.919651
Gm43681	0.109336	0.817593	0.919651
Srsf10	0.02133	0.818167	0.919916
Tsr1	0.084321	0.818591	0.920136
Gm42067	0.098256	0.818713	0.920184
C1qtnf2	0.061741	0.819756	0.920674
Gm26879	0.106788	0.819764	0.920674
Anapc10	0.037321	0.820048	0.920758
Shisal1	0.128153	0.820102	0.920758
Slu7	0.024208	0.82031	0.920872
Nsmaf	0.034782	0.820496	0.92093

Usp1	0.027873	0.820546	0.92093
Sptbn4	0.154608	0.820672	0.920969
Ndufa11	0.015877	0.821409	0.921347
Tmem107	0.062256	0.821478	0.921355
Ddx39a	0.035741	0.822226	0.922
Gm37303	0.106098	0.822524	0.922183
Pdik1l	0.039499	0.822785	0.922406
1700084E:	0.09446	0.822938	0.922436
Gm38359	0.291901	0.822996	0.922436
Zfp784	0.082651	0.823618	0.922829
Isoc2b	0.104016	0.823655	0.922829
Commd2	0.02683	0.82388	0.923003
Supt5	0.021193	0.823934	0.923003
Fem1al	0.212331	0.824077	0.923094
Xrcc5	0.068675	0.8246	0.923322
Dnm3	0.018735	0.825134	0.923712
Abitram	0.065555	0.825393	0.923808
Nufip2	0.019453	0.825817	0.924077
Bub1b	0.10094	0.825869	0.924077
Sepsecs	0.057519	0.82588	0.924077
Nfyc	0.037045	0.826517	0.924513
Il34	0.037131	0.827381	0.925287
Fem1a	0.035077	0.827498	0.925334
Sema6c	0.074456	0.827858	0.92553
Pold2	0.051828	0.828286	0.925671
Sema6d	0.02547	0.828294	0.925671
Slamf1	0.223683	0.829793	0.92685
Smim26	0.024646	0.829844	0.92685
2810029C	0.075865	0.830005	0.926891
Mesd	0.026666	0.830526	0.927214
Gm10399	0.074384	0.830568	0.927214
Tmem215	0.256953	0.830668	0.927214
Papola	0.016707	0.830724	0.927214
Hdhd3	0.097243	0.831469	0.927853
Stk11	0.022559	0.832308	0.928473
Ctxn1	0.091349	0.832413	0.928473
Cox18	0.04826	0.832733	0.928568
Wnk2	0.060365	0.832787	0.928568
Scoc	0.02074	0.832809	0.928568
Actl6b	0.2912	0.83291	0.928612
Copa	0.018355	0.833095	0.928749
Gm43527	0.261874	0.833202	0.92878
Asap3	0.053457	0.833273	0.92878
Herc1	0.016887	0.83345	0.92878
E2f5	0.037813	0.833495	0.92878
Nrn1	0.236009	0.833494	0.92878
Jph4	0.212623	0.833766	0.929012

Zdhhc16	0.039218	0.834039	0.92906
Gm43340	0.144281	0.834051	0.92906
Ogfod1	0.050147	0.834503	0.929281
Ncor2	0.021526	0.834771	0.929324
Ccdc115	0.031176	0.835017	0.929439
Kctd9	0.045777	0.835944	0.930125
Gm43560	0.131897	0.836213	0.930355
Noc2l	0.036179	0.836347	0.930425
Gm43679	0.121726	0.836401	0.930425
Cpt1c	0.092097	0.836747	0.930672
Scrib	0.039631	0.837037	0.930925
Gtf2h5	0.017705	0.837388	0.931178
5330406M	0.056346	0.837782	0.931477
Gm38073	0.358215	0.83863	0.931935
U2surp	0.016392	0.838765	0.931975
Mark2	0.021431	0.83879	0.931975
Nup214	0.028343	0.838996	0.932077
Rnf170	0.036547	0.839023	0.932077
Ss18l2	0.025907	0.839986	0.932716
Gnas	0.007556	0.840142	0.932716
Syt9	0.133378	0.840239	0.932716
Mrps17	0.02285	0.840386	0.932716
Bend7	0.033829	0.840627	0.932908
Rrm1	0.036241	0.840735	0.932955
Tmco6	0.058293	0.840887	0.932989
Aqp1	0.049199	0.841176	0.933172
Atp5g3	0.014007	0.841698	0.933682
Tsen15	0.029514	0.842318	0.934298
Atg4a	0.042417	0.842378	0.934298
Riox2	0.045244	0.842673	0.934445
Pclo	0.052194	0.842944	0.934445
Acads	0.029816	0.843008	0.934445
Abca13	0.102594	0.843019	0.934445
Supv3l1	0.062743	0.843037	0.934445
Septin9	0.021881	0.843073	0.934445
Prmt3	0.057514	0.843875	0.93485
Pex12	0.062311	0.844025	0.934946
Pias2	0.030978	0.844208	0.935039
Gm47438	0.127242	0.844453	0.935134
Fam20b	0.030848	0.844598	0.935134
Zfp667	0.052523	0.844619	0.935134
Ctdp1	0.046314	0.844749	0.935134
Dus2	0.054501	0.844784	0.935134
Tarsl2	0.051968	0.844819	0.935134
9430060I0	0.137359	0.845043	0.935287
C130036L2	0.067061	0.845082	0.935287
Kantr	0.042094	0.845646	0.935556

Pam16	0.022281	0.845699	0.935556
Slc39a6	0.044817	0.845815	0.935615
Gm37452	0.056969	0.845945	0.935632
D630033A	0.059852	0.846363	0.935875
Gm8186	0.052629	0.846644	0.936041
Gm37123	0.071987	0.846711	0.936041
Rce1	0.028907	0.846821	0.936041
Pyroxd1	0.039012	0.847167	0.936193
Wdr31	0.057778	0.847477	0.936193
Gm21926	0.037205	0.847777	0.936326
Zfp984	0.067727	0.847834	0.936326
Ly86	0.252105	0.848184	0.936493
Khdrbs1	0.016436	0.848198	0.936493
Ipp	0.063315	0.84831	0.936493
Sppl2b	0.044913	0.848398	0.936493
Ppp1r42	0.083353	0.848489	0.936493
Zfp850	0.085896	0.848501	0.936493
1700101I1	0.193963	0.848698	0.936493
Prr22	0.205998	0.848707	0.936493
Ccndbp1	0.023896	0.848772	0.936493
Gm17315	0.132957	0.848817	0.936493
Gm37649	0.2079	0.84905	0.936523
Arhgap18	0.025035	0.849148	0.936523
Poldip3	0.021509	0.849149	0.936523
E130317F2	0.08776	0.849168	0.936523
3110031N	0.344171	0.849303	0.936523
2700046G	0.096043	0.84932	0.936523
Snx3	0.010701	0.849343	0.936523
Tmem63b	0.023572	0.849609	0.936628
Srp54c	0.102302	0.849804	0.936775
Nop14	0.025462	0.85012	0.936984
C430019N	0.258918	0.850636	0.937442
B230303O	0.147659	0.850782	0.937465
Prune1	0.037589	0.850813	0.937465
Rnf41	0.033024	0.850869	0.937465
Klhl26	0.042732	0.851251	0.937817
Zfr	0.015621	0.851483	0.938003
Grik5	0.071007	0.851687	0.938059
Psme1	0.012461	0.851892	0.938059
Mcph1	0.086497	0.851946	0.938059
E230016M	0.090527	0.852036	0.938059
Acot13	0.026731	0.852069	0.938059
2810032G	0.199653	0.852135	0.938059
Gm14295	0.065605	0.852166	0.938059
Tex9	0.051544	0.85241	0.938059
Polr3f	0.028301	0.852439	0.938059
Gm47816	0.074712	0.852603	0.938059

Fzd7	0.097036	0.852612	0.938059
Gng2	0.036043	0.852654	0.938059
Bend5	0.037895	0.852865	0.938105
Rapgef5	0.014374	0.852887	0.938105
Dip2a	0.03021	0.853099	0.938195
Psen1	0.03057	0.853337	0.938284
Wdr12	0.037632	0.854559	0.938837
Zfp647	0.067926	0.854796	0.938979
Gm20075	0.096242	0.854916	0.938979
Btg3	0.017531	0.855116	0.939104
Mblac1	0.081949	0.85561	0.939467
Snhg11	0.073031	0.856237	0.939783
Tmem178l	0.138487	0.856359	0.939848
Eif4a2	0.010167	0.85647	0.939872
Ephx1	0.018384	0.856854	0.939872
Stxbp2	0.086844	0.856964	0.939872
Dap3	0.029189	0.856977	0.939872
Hmgxb4	0.022856	0.857059	0.939872
Tgfbrap1	0.026314	0.857212	0.939872
Fgfr1	0.052752	0.857322	0.939872
Gm38146	0.122254	0.857741	0.939902
Stxbp5l	0.128745	0.858072	0.939902
Samd14	0.061875	0.858089	0.939902
Angel1	0.050565	0.858142	0.939902
Mbd4	0.050125	0.858197	0.939902
2510046G	0.03687	0.858229	0.939902
Gm43460	0.110143	0.858705	0.940217
Brdt	0.065535	0.858767	0.940217
A130077B	0.311515	0.859097	0.940297
Tomm6	0.044816	0.85916	0.940297
1700023H	0.238677	0.859293	0.940297
Fubp3	0.024496	0.859343	0.940297
Ssr1	0.015726	0.859646	0.94056
Wdr44	0.03071	0.860097	0.940806
Cpne7	0.247403	0.86077	0.941143
Gm47204	0.083239	0.860808	0.941143
Gm37674	0.086281	0.860894	0.941154
P3h2	0.053869	0.860982	0.941154
Naa60	0.02695	0.861125	0.941215
Dpp6	0.304823	0.861196	0.941222
Pifo	0.313056	0.861338	0.941242
Kctd21	0.081176	0.861728	0.94153
Actr1b	0.020779	0.861871	0.941569
Ccdc14	0.059996	0.86202	0.941569
Ubr3	0.017947	0.862214	0.941569
9130002K	0.086601	0.862254	0.941569
Naxd	0.019667	0.862348	0.941569

Gm48840	0.145351	0.862396	0.941569
Sntg2	0.044289	0.862455	0.941569
Nckap5	0.093756	0.862816	0.941757
Tmem135	0.032688	0.863069	0.941827
Parp14	0.018894	0.863376	0.941857
Slc20a2	0.032794	0.8635	0.941857
Pard6b	0.101508	0.863599	0.941857
Nradd	0.070275	0.864386	0.942262
Lin54	0.035267	0.864512	0.942262
Fbxl14	0.021263	0.864524	0.942262
Fbxo8	0.026581	0.86461	0.942262
Ncapd2	0.074421	0.864645	0.942262
Gm43793	0.040109	0.864852	0.942262
Fam71e1	0.089985	0.865643	0.94274
Gm7285	0.094499	0.865749	0.94274
Mtmr6	0.017293	0.866443	0.943172
Gm7616	0.283225	0.866531	0.943197
Terf2ip	0.024108	0.866734	0.943208
Tepsin	0.049505	0.86703	0.943399
Ints11	0.027651	0.867235	0.943425
Pop4	0.028692	0.867243	0.943425
A430105J0	0.070399	0.867751	0.943774
Sephs1	0.030947	0.868165	0.94384
Gm48855	0.074822	0.868166	0.94384
Gm32442	0.168335	0.86818	0.94384
Nos1ap	0.06071	0.868192	0.94384
Adam4	0.144565	0.868323	0.943869
A330094K0	0.04735	0.868534	0.943869
Pskh1	0.035509	0.868919	0.944213
Rundc1	0.039612	0.869109	0.944213
Zfhx2	0.039474	0.869166	0.944213
Pygb	0.027719	0.870021	0.9448
Tctn3	0.055674	0.870265	0.944895
Hsd17b11	0.017514	0.870326	0.944895
Lsm1	0.022249	0.870488	0.944895
Gas1	0.06597	0.870658	0.945006
Itgae	0.129486	0.870976	0.94522
Selplg	0.149386	0.871301	0.945452
Bmp3	0.099044	0.871413	0.945452
Haus2	0.032102	0.871442	0.945452
Grm5	0.168228	0.871995	0.945821
Haus7	0.031648	0.87209	0.945821
D130019J1	0.057593	0.872191	0.945821
Maf1	0.016877	0.872224	0.945821
Enkur	0.076392	0.872554	0.945994
Rad52	0.046479	0.873213	0.946232
Tmem141	0.039368	0.873497	0.946346

Exosc7	0.020544	0.873882	0.946658
Ehmt1	0.016109	0.874055	0.946777
Gm48966	0.143431	0.874122	0.946782
Atp8b2	0.033253	0.874507	0.946922
Gm29361	0.098967	0.874526	0.946922
Polr2g	0.016136	0.874537	0.946922
Efna1	0.018533	0.87479	0.947093
Trim28	0.020579	0.87527	0.947228
A730020Ei	0.085167	0.875294	0.947228
Gm37144	0.132967	0.875462	0.947228
Ogn	0.029102	0.875546	0.947228
Wdfy3	0.01451	0.875802	0.947284
Paqr9	0.056769	0.876024	0.947402
Gm38248	0.127265	0.876188	0.947413
Gabra2	0.213328	0.876355	0.947417
Zfp653	0.044314	0.876666	0.947549
2010204K	0.119175	0.876836	0.947577
Ankrd49	0.033109	0.876885	0.947577
Arl13b	0.020607	0.877052	0.947577
Chd1l	0.035271	0.877121	0.947577
D830036C	0.203485	0.877135	0.947577
Camk2n2	0.056748	0.877297	0.947684
Creld2	0.025298	0.877616	0.947748
Ppp1r8	0.030742	0.877673	0.947748
Srsf7	0.010442	0.877996	0.947821
Josd2	0.02724	0.878148	0.947821
Gm14091	0.068791	0.878273	0.947821
Chrn2	0.123222	0.878312	0.947821
Asf1b	0.141035	0.878317	0.947821
Rsl1d1	0.016098	0.878352	0.947821
Gm19337	0.071838	0.878374	0.947821
AW20949	0.032048	0.878794	0.948137
Gm43571	0.069234	0.879026	0.948281
Zfp661	0.09692	0.879054	0.948281
1810044D	0.084618	0.87917	0.948304
Mfsd2b	0.126578	0.879274	0.948314
Esrrg	0.078375	0.879578	0.948388
Tmem101	0.028614	0.879596	0.948388
Gapdh	0.007618	0.88001	0.948697
Chtf18	0.090447	0.880284	0.948701
Nfatc1	0.030048	0.880302	0.948701
Drd4	0.020112	0.880307	0.948701
Qpctl	0.037085	0.880432	0.948701
C130051F	0.052501	0.880477	0.948701
Gm48699	0.14089	0.880506	0.948701
ENSMUSG	0.102087	0.88075	0.948771
Golgb1	0.012395	0.880775	0.948771

Plekhn2	0.026274	0.880888	0.94881
Kcnip4	0.127635	0.881061	0.948846
Tctn1	0.050406	0.881229	0.948846
Tmem130	0.106969	0.881275	0.948846
Mia3	0.012144	0.881745	0.948996
Nme5	0.061059	0.882172	0.949319
Adam32	0.243992	0.882311	0.949332
Trafd1	0.016702	0.882914	0.949776
Rbm48	0.025522	0.883054	0.949859
Ranbp17	0.093807	0.883557	0.949962
Ctdspl	0.019826	0.883599	0.949962
Dmpk	0.040337	0.883812	0.950059
Glb1l2	0.030175	0.884659	0.950765
A330041J2	0.148652	0.884745	0.950771
Arfgap1	0.025349	0.885617	0.951074
Stx4a	0.014122	0.885685	0.951074
Mbnl1	0.008631	0.885775	0.951074
Pcolce	0.027218	0.885831	0.951074
Adssl1	0.051093	0.886053	0.951074
A730063M	0.047929	0.886108	0.951074
Smpd3	0.089173	0.886112	0.951074
Slc4a1ap	0.021935	0.886209	0.951074
Phf11c	0.101864	0.886216	0.951074
Gm37986	0.134808	0.886383	0.951107
Dgat2	0.174341	0.886405	0.951107
Slc6a11	0.047351	0.886461	0.951107
Sirt2	0.014134	0.886677	0.951158
Pcdhb18	0.065795	0.88674	0.951158
Slx1b	0.025079	0.886889	0.951158
Rnf138	0.019746	0.887006	0.951158
Gtpbp10	0.036659	0.887057	0.951158
2900022M	0.124428	0.887122	0.951159
Bmt2	0.022981	0.887724	0.951682
Phgdh	0.070925	0.887737	0.951682
8430432A	0.143123	0.888167	0.951874
Gm14021	0.122601	0.888725	0.952191
Gm12184	0.060903	0.888836	0.952191
Clcn4	0.015064	0.888952	0.952191
Mphosph9	0.026363	0.888974	0.952191
Ifi47	0.021242	0.889574	0.952629
Zfp207	0.01181	0.890042	0.952851
Gm43843	0.0663	0.890071	0.952851
Lst1	0.049009	0.890116	0.952851
Akap10	0.027558	0.890115	0.952851
Gm10686	0.075485	0.890245	0.952851
H2-Ke6	0.030931	0.890286	0.952851
Atpaf1	0.024419	0.890579	0.952881

Nf2	0.019094	0.890692	0.952881
Mdfic	0.023992	0.8907	0.952881
Slc22a13b	0.123561	0.890769	0.952886
Wdtdc1	0.01995	0.890953	0.953015
Gm9694	0.178682	0.891201	0.953118
Camta2	0.022689	0.891277	0.953118
Gm44901	0.082731	0.891301	0.953118
Cops7a	0.016975	0.891518	0.953118
A530017D	0.030753	0.891558	0.953118
Asphd1	0.093741	0.891819	0.953124
Cstf3	0.020809	0.892589	0.953789
Galnt2	0.019406	0.892696	0.953789
4930524O	0.177411	0.892691	0.953789
Pclaf	0.119309	0.893159	0.953916
Lca5l	0.063176	0.893464	0.954133
Smim13	0.019427	0.894074	0.954555
Chd4	0.009043	0.894201	0.954555
Rap2c	0.024265	0.894305	0.954555
Lyl1	0.03194	0.894555	0.954617
Tmem216	0.029891	0.894669	0.954671
Phka1	0.034794	0.895169	0.954932
Zfp459	0.213742	0.895231	0.954932
Clcn3	0.011684	0.895606	0.954932
Gm37183	0.043414	0.895616	0.954932
Cyb5r1	0.016457	0.89625	0.955472
Palb2	0.066632	0.89685	0.955919
Crat	0.024045	0.896907	0.955919
BC064078	0.025226	0.897099	0.955919
Mapkapk5	0.048026	0.897185	0.955925
Gm43256	0.075194	0.897745	0.956333
Grid2	0.115805	0.898551	0.956686
Gm42633	0.052718	0.898572	0.956686
Arhgap12	0.018277	0.898687	0.956708
Lias	0.018665	0.899178	0.957095
Marveld3	0.064263	0.899365	0.957225
AA465934	0.059308	0.899551	0.957251
Zfp976	0.05778	0.899595	0.957251
Pdcd5-ps	0.065777	0.899689	0.957251
Plekha3	0.015346	0.899753	0.957251
Nubp2	0.023028	0.899901	0.957251
Clcn1	0.119317	0.900062	0.957328
Gm43707	0.105038	0.900129	0.957328
Mettl22	0.054054	0.900352	0.957395
Sulf2	0.08674	0.900407	0.957395
Nip7	0.01997	0.900826	0.957623
AY036118	0.050757	0.901273	0.95795
Scx	0.116618	0.901587	0.95811

Tbc1d25	0.048301	0.901711	0.95811
Acox3	0.022477	0.901732	0.95811
Atg2a	0.025016	0.901851	0.958168
Paf1	0.014754	0.90234	0.958348
Gm10766	0.12029	0.903211	0.958722
Gm38257	0.045834	0.903386	0.958722
Col7a1	0.08653	0.903405	0.958722
Hars	0.017229	0.903427	0.958722
Col4a6	0.042393	0.903461	0.958722
Igf2bp2	0.095668	0.904011	0.95891
Cbfa2t2	0.024819	0.904086	0.95891
Ercc4	0.024861	0.904271	0.958993
Fam91a1	0.017723	0.904332	0.958993
Gm45629	0.095523	0.904414	0.958993
Memo1	0.01861	0.904441	0.958993
Wscd1	0.02515	0.905154	0.959294
Gm19327	0.069451	0.905409	0.959294
Rad9a	0.030095	0.905684	0.95945
Mrs2	0.019481	0.906186	0.959773
Gm45378	0.174612	0.906231	0.959773
Rad51d	0.031211	0.906326	0.959773
Ro60	0.008928	0.906327	0.959773
Tceal1	0.02079	0.906425	0.959773
Pex1	0.029922	0.906543	0.959773
Chek2	0.045168	0.906676	0.959773
Cdon	0.034889	0.906713	0.959773
Gm49064	0.135934	0.907038	0.959849
Gm17597	0.189237	0.907164	0.959849
Smn1	0.016424	0.907187	0.959849
Lrp11	0.061662	0.907197	0.959849
Sgpl1	0.028373	0.907215	0.959849
Epb41l4b	0.075542	0.908067	0.960352
Zmynd19	0.034795	0.908075	0.960352
Grpel2	0.026806	0.908302	0.960353
Gm48161	0.120479	0.90831	0.960353
Dgkeos	0.12544	0.908349	0.960353
Rhoq	0.01494	0.908353	0.960353
Slc16a6	0.021986	0.908657	0.960425
Utp14b	0.018874	0.90895	0.960599
Rap1gds1	0.012533	0.90906	0.960642
Ier3ip1	0.009835	0.909119	0.960642
Gm34411	0.233263	0.90949	0.960812
Smim11	0.00982	0.909537	0.960812
Ifi35	0.011017	0.909832	0.961023
Epha2	0.021219	0.909865	0.961023
Dcp1b	0.026563	0.910008	0.961099
Gm5129	0.091221	0.910066	0.961099

Emc4	0.012035	0.910242	0.961126
Simc1	0.036842	0.910263	0.961126
Taco1os	0.064075	0.910284	0.961126
Mrpl41	0.012176	0.911066	0.961545
Smim12	0.013048	0.911343	0.96177
Tbx18	0.031394	0.911614	0.961988
Gtpbp6	0.019994	0.911791	0.962075
Tm2d2	0.011095	0.911902	0.962075
Vopp1	0.016684	0.91191	0.962075
Cmtm5	0.07809	0.91238	0.962389
Zfand6	0.008232	0.91267	0.962619
E0300420	0.139449	0.912726	0.962619
Nepro	0.038574	0.912811	0.962638
Slc43a2	0.023122	0.913013	0.962638
Bicra	0.02289	0.913056	0.962638
Nr2c2ap	0.02211	0.913168	0.962638
Ppp1r26	0.066491	0.913195	0.962638
Nr1h4	0.109633	0.913329	0.962712
Gm37017	0.102092	0.914109	0.963195
Gm49705	0.045694	0.914246	0.963271
Ndr3	0.011151	0.914412	0.963342
Rnf125	0.011701	0.914649	0.963342
Klf11	0.015083	0.914698	0.963342
Efhc2	0.039852	0.915141	0.963672
Loxl1	0.09989	0.915347	0.963821
Gm26801	0.108943	0.915502	0.963849
Nfya	0.019369	0.915982	0.964151
Gtf2f1	0.015057	0.91612	0.964217
Rmc1	0.028022	0.916174	0.964217
Ubb-ps	0.018594	0.916487	0.964321
Eme2	0.050012	0.916758	0.964487
B4galt6	0.024851	0.917004	0.964487
Parp2	0.016863	0.917086	0.964487
Mlst8	0.029395	0.917253	0.964487
Gm4890	0.050749	0.917268	0.964487
Kpnb1	0.010484	0.917449	0.96461
Trim7	0.059905	0.917703	0.964809
Snap47	0.01645	0.917842	0.964888
Plekha6	0.039653	0.918087	0.965073
Rimbp2	0.104132	0.918524	0.965318
Rnf31	0.018138	0.918729	0.965318
5930430LC	0.020622	0.918763	0.965318
Fam3a	0.015913	0.918846	0.965318
Gm13625	0.059668	0.91897	0.965318
Olfr46	0.125393	0.919025	0.965318
Eif2a	0.013318	0.919512	0.965578
Ftsj1	0.019924	0.919874	0.965735

Psmg2	0.015314	0.920277	0.965893
Cx3cl1	0.012784	0.920336	0.965893
D730044K	0.069537	0.920416	0.965893
Arhgap33	0.041477	0.920551	0.965893
Ppp1r15b	0.012812	0.920717	0.965893
Fancm	0.033735	0.920754	0.965893
Lasp1	0.008597	0.920763	0.965893
Lactb2	0.019315	0.920772	0.965893
Nol3	0.054125	0.921093	0.966076
Pfas	0.030712	0.921166	0.966076
Tmx3	0.009062	0.921329	0.966103
Gphn	0.016297	0.921641	0.966103
Dpm2	0.014706	0.921644	0.966103
Zfp949	0.020733	0.921869	0.966271
Acp2	0.017147	0.922223	0.966508
Sgsm1	0.07878	0.922338	0.966508
Fam177a	0.047158	0.922417	0.966508
Gm48735	0.079426	0.922898	0.966809
Plag1	0.040705	0.923448	0.967114
Dnaaf2	0.058828	0.923657	0.967163
Ephx3	0.036442	0.923846	0.967163
Gm9392	0.066935	0.923892	0.967163
Tiam2	0.154718	0.923947	0.967163
Lrrc59	0.012997	0.92475	0.967444
Gpr173	0.056332	0.924762	0.967444
Gm5460	0.085967	0.924797	0.967444
Gm47508	0.054562	0.924935	0.96752
Pcdhga6	0.037649	0.925378	0.967916
Gm45484	0.149913	0.925708	0.968194
Bfar	0.010556	0.925929	0.968222
Niban3	0.06707	0.926064	0.968235
Gm37127	0.075753	0.926355	0.968262
Shroom4	0.009971	0.927657	0.968823
Med12	0.025449	0.927668	0.968823
Anks6	0.051243	0.927733	0.968823
Bola1	0.013404	0.927962	0.968927
Gm19426	0.051071	0.928076	0.968955
Cdc123	0.011896	0.928118	0.968955
E430024I0	0.029139	0.9282	0.968973
Fan1	0.036475	0.929087	0.969553
Vcp-rs	0.055724	0.929281	0.969553
Arhgef10	0.01106	0.929338	0.969553
Stk25	0.009304	0.929703	0.96973
Rmnd1	0.025603	0.929848	0.969761
Spast	0.012468	0.931164	0.970519
Taf4	0.015808	0.931166	0.970519
Slc27a3	0.043424	0.931295	0.970519

Elac2	0.028329	0.931501	0.970519
Ssh2	0.009653	0.931629	0.970519
Ccdc30	0.088732	0.931922	0.970519
Dclre1a	0.024459	0.93205	0.970519
Dhx15	0.007756	0.932057	0.970519
Abcg4	0.030739	0.932139	0.970519
Brat1	0.025169	0.932337	0.970519
Bcl2l11	0.013136	0.93237	0.970519
Pcca	0.01333	0.93239	0.970519
Dedd2	0.01915	0.932392	0.970519
Zfp772	0.036616	0.932613	0.970669
Flad1	0.027053	0.932796	0.970793
Mtcp1	0.025569	0.932971	0.970907
Apeh	0.01521	0.933455	0.971168
Zgrf1	0.033414	0.933482	0.971168
Fem1c	0.010495	0.933803	0.971362
Adh5	0.007563	0.933862	0.971362
Hnrnpab	0.006218	0.933952	0.971388
Gm9706	0.045237	0.934166	0.971476
Irf3	0.010584	0.93446	0.971647
Tbc1d22a	0.015185	0.93481	0.971787
Dlg5	0.016712	0.935098	0.971787
Chst11	0.012031	0.935152	0.971787
Vmn2r57	0.104978	0.93518	0.971787
Gm13868	0.033204	0.935852	0.972165
Ablim3	0.03102	0.935868	0.972165
Pm20d2	0.104913	0.936022	0.972191
Vps33b	0.021354	0.936152	0.972258
Pkp2	0.042967	0.936279	0.972277
Bcap29	0.013264	0.936522	0.972372
Gm44196	0.038912	0.936884	0.972623
Gm10702	0.065181	0.937084	0.972722
Crybb2	0.018659	0.937164	0.972722
Whrn	0.019555	0.937249	0.972722
Gm5141	0.033907	0.937577	0.972928
Dnaja3	0.012799	0.937768	0.973039
Bop1	0.01925	0.937848	0.973039
4921534A	0.124273	0.937946	0.973041
Shroom1	0.013977	0.938018	0.973048
Htra2	0.016006	0.938601	0.973379
Herc2	0.007064	0.938785	0.973379
Ilvbl	0.014397	0.938792	0.973379
Tfcp2	0.016514	0.939314	0.97365
Caly	0.04802	0.9394	0.973672
Cblb	0.017086	0.939472	0.97368
Psmb9	0.007389	0.93993	0.974019
Gm48601	0.021793	0.940094	0.974067

Arv1	0.035243	0.940545	0.974387
Actr10	0.006283	0.940779	0.974427
Gm37376	0.010505	0.940914	0.974499
Zfp956	0.032144	0.941578	0.97512
Gpr85	0.040258	0.941702	0.975145
Gm42595	0.028589	0.941735	0.975145
Asic3	0.079991	0.941798	0.975145
Gprin1	0.057236	0.94217	0.975305
Gm14827	0.069435	0.942204	0.975305
Plxnb1	0.013893	0.942277	0.975305
Tnfrsf22	0.027262	0.942278	0.975305
Top1mt	0.025754	0.942452	0.975418
Gm27030	0.064272	0.942692	0.975531
Unkl	0.014369	0.943035	0.975818
Gm11754	0.114437	0.94314	0.97586
Dqx1	0.059235	0.943834	0.976173
Tbl1x	0.006123	0.944148	0.976173
Sec24d	0.012283	0.944301	0.976173
Slc25a10	0.020131	0.944311	0.976173
Adck2	0.021849	0.944421	0.976173
Bri3bp	0.020199	0.944886	0.976535
Apmmap	0.01099	0.945263	0.976707
Slc35a3	0.011505	0.945516	0.976796
Pik3ap1	0.097009	0.945788	0.976845
Nmrk1	0.018131	0.946076	0.97694
A730071L	0.092113	0.946456	0.976946
Crtc1	0.020111	0.946498	0.976946
Ubxn7	0.009057	0.946697	0.977042
Grik1	0.07501	0.947772	0.977841
4931440P	0.020865	0.948232	0.978087
Pfdn2	0.005164	0.949496	0.978985
Zfp825	0.019074	0.949591	0.979017
Zfyve9	0.007594	0.949772	0.979062
Zfp937	0.025677	0.949785	0.979062
6330562C	0.046885	0.950133	0.979238
Gm43273	0.100198	0.951162	0.980232
Mdp1	0.00808	0.951518	0.98028
G6pc3	0.011586	0.951543	0.98028
B230216N	0.022467	0.951626	0.98028
Gm4734	0.036449	0.951801	0.98028
Neurl1b	0.021793	0.951823	0.98028
Setd6	0.015781	0.951962	0.98028
Shroom3	0.026117	0.952541	0.980614
Psmb5	0.004999	0.952758	0.980674
Hes5	0.02057	0.952771	0.980674
Mrps9	0.008721	0.953041	0.980884
Cgas	0.019558	0.953106	0.980884

Asb4	0.012634	0.953299	0.980908
Phlpp2	0.010527	0.953614	0.980955
Wdr20	0.008458	0.953816	0.981031
Kpna4	0.005412	0.953925	0.981031
Gm36936	0.020645	0.954418	0.981425
Zfp87	0.012229	0.954676	0.981556
Sv2c	0.04212	0.955323	0.982085
Gm44624	0.058324	0.955556	0.982103
Nvl	0.008296	0.955603	0.982103
Habp4	0.010103	0.955806	0.98211
B230362B	0.041616	0.955938	0.982165
Wdr45	0.010448	0.95599	0.982165
Zfp263	0.009788	0.956076	0.982186
Ugdh	0.01005	0.956583	0.982403
Gpr35	0.070522	0.957288	0.982744
Chchd2	0.00224	0.957342	0.982744
Eaf2	0.028311	0.95779	0.983069
Xrcc2	0.02088	0.958094	0.983143
Rab3il1	0.024215	0.958125	0.983143
Aak1	0.005919	0.958387	0.983239
Gm49768	0.041157	0.958499	0.983239
Fam172a	0.007498	0.958504	0.983239
Gm47234	0.024343	0.958567	0.983239
Szt2	0.014031	0.959345	0.983784
Ampd2	0.012812	0.959539	0.983853
Ln timer	0.009286	0.959613	0.983861
Gm33373	0.066918	0.959686	0.983869
Flrt1	0.029436	0.959814	0.983932
Tmem41b	0.007706	0.960385	0.984294
Dsel	0.009881	0.961448	0.984825
Tagap1	0.015312	0.961607	0.984827
Rabggta	0.012861	0.961764	0.984857
Arl14ep	0.009501	0.961802	0.984857
Huwe1	0.00364	0.961872	0.984857
Ermp1	0.009226	0.962043	0.984857
Tubg2	0.028845	0.962071	0.984857
Armc7	0.016753	0.962097	0.984857
Slc37a2	0.056041	0.962332	0.98492
Ect2	0.048241	0.962433	0.984931
Cldnd1	0.004608	0.962748	0.985119
Ccnl2	0.003853	0.963095	0.985327
Cyb5d1	0.023767	0.963152	0.985327
Lig1	0.009089	0.96328	0.985327
Lepr	0.013155	0.963424	0.985406
Snrpf	0.004027	0.9637	0.98554
Ift88	0.012935	0.963811	0.98554
Cse1l	0.00734	0.963817	0.98554

Pcbp3	0.007224	0.964038	0.985609
Mgat1	0.00536	0.964236	0.985609
Snhg3	0.005229	0.96428	0.985609
2510039O	0.006246	0.964553	0.985687
Pcdhga2	0.022692	0.964931	0.98587
Zfyve27	0.007835	0.965079	0.985955
Gm15460	0.03411	0.965295	0.986041
Rhbdl3	0.019781	0.965402	0.986074
4931428F0	0.018378	0.965728	0.986235
Med31	0.005359	0.965797	0.986235
Stk36	0.020873	0.965815	0.986235
Gm10767	0.034786	0.966039	0.986319
Scube2	0.010104	0.966094	0.986319
Pigv	0.011241	0.966446	0.986452
Ntrk3	0.035586	0.966488	0.986452
Gm45292	0.014262	0.966753	0.986602
Mbp	0.021031	0.966768	0.986602
Septin1	0.011609	0.966972	0.986744
Fam72a	0.015562	0.967078	0.986785
Cyp4f13	0.01011	0.96723	0.986872
Mettl15	0.018102	0.967511	0.986984
Ptcd1	0.010471	0.967601	0.986984
Marchf2	0.003658	0.96762	0.986984
P4ha2	0.00782	0.967792	0.986984
Gm15607	0.029092	0.96786	0.986984
Ube2q2	0.006154	0.967867	0.986984
Aida	0.004408	0.968378	0.987317
Cog8	0.006114	0.968575	0.987425
Ints9	0.006598	0.968629	0.987425
Poldip2	0.0055	0.969331	0.987551
Galnt13	0.013679	0.969404	0.987551
Supt3	0.01002	0.969493	0.987551
Zfp13	0.014522	0.969509	0.987551
Gnb4	0.003276	0.969517	0.987551
Fxr1	0.003343	0.969717	0.987551
Nr2f6	0.004892	0.96973	0.987551
Trip4	0.005956	0.969788	0.987551
Grk2	0.004201	0.969842	0.987551
Ints4	0.008586	0.969971	0.987558
Gm43329	0.012421	0.970013	0.987558
4930592C0	0.051378	0.970141	0.987566
Wls	0.00392	0.970219	0.987566
Npnt	0.013279	0.970994	0.987869
Nptx2	0.056447	0.971036	0.987869
Pgap4	0.006161	0.971288	0.987877
Nudt18	0.007178	0.971439	0.987877
Tgfb1i1	0.004541	0.971506	0.987877

Rnf40	0.00654	0.971645	0.987877
Npr1	0.00673	0.971936	0.987972
Tfg	0.004094	0.972157	0.988128
Ssr2	0.003279	0.9726	0.98831
Phf21b	0.010188	0.97262	0.98831
1700007L1	0.015767	0.972847	0.98831
Alyref	0.00345	0.973135	0.988318
Jmjd4	0.016459	0.973477	0.988415
Basp1	0.005977	0.973495	0.988415
Irs2	0.009123	0.973736	0.988593
Riox1	0.008554	0.974016	0.988765
Adap2os	0.007994	0.974037	0.988765
Nsl1	0.038763	0.974271	0.988868
Gm14227	0.018015	0.974513	0.989025
Ddx47	0.004747	0.97477	0.989132
Cacna1s	0.040078	0.975149	0.98936
Haus5	0.009716	0.975285	0.98936
Gba2	0.008614	0.975636	0.989515
Suco	0.003696	0.975746	0.98956
Msantd3	0.005902	0.976125	0.989765
Kirrel3	0.026733	0.976335	0.989765
Gm11914	0.017601	0.976351	0.989765
Acy1	0.01185	0.976532	0.989765
Ubqln4	0.006097	0.976569	0.989765
1700104B	0.05226	0.976589	0.989765
Xrn1	0.002937	0.976609	0.989765
Cyfp2	0.007375	0.977683	0.990518
Polq	0.034359	0.977909	0.99068
Zfp354b	0.013453	0.978434	0.990876
Celf3	0.01461	0.978554	0.990884
Creb1	0.00235	0.979343	0.991407
Dennd11	0.005722	0.979355	0.991407
Foxf1	0.005015	0.979622	0.991543
Rhbdd2	0.004701	0.979752	0.991578
Arcn1	0.002308	0.979882	0.991605
Stmn3	0.010553	0.980214	0.991648
Pex11b	0.003765	0.980298	0.991648
Csnk2b	0.002061	0.980322	0.991648
Gm47372	0.038232	0.980704	0.991967
Tm7sf3	0.002527	0.981507	0.992511
Slc29a4	0.00715	0.98167	0.992609
1700109H	0.011964	0.982009	0.992809
Timm44	0.003196	0.982088	0.992809
Nnt-1	0.011154	0.982645	0.992968
Ndufb6	0.001993	0.982827	0.992972
Gm17108	0.026497	0.982873	0.992972
Gm37027	0.036226	0.98294	0.992972

Drg2	0.004192	0.982958	0.992972
Gm6542	0.011263	0.983198	0.993081
Gm3081	0.008247	0.984247	0.993872
Sult4a1	0.023925	0.984394	0.993932
Atp11c	0.002406	0.984633	0.993997
Lpar4	0.003604	0.984942	0.994085
Eogt	0.001303	0.984984	0.994085
Csgalnact2	0.002696	0.985713	0.994579
Gm38036	0.005103	0.985887	0.994656
Pald1	0.002661	0.986342	0.994915
Vstm2l	0.014593	0.986859	0.995369
Gk	0.00436	0.987318	0.995743
Gm43200	0.006749	0.98745	0.995743
Actr2	0.001277	0.987464	0.995743
Polr3h	0.003429	0.987999	0.995947
Gm20033	0.007474	0.988665	0.99625
Naa30	0.002142	0.989153	0.996587
Arrb1	0.002745	0.989272	0.996594
Ikzf4	0.004858	0.990185	0.997447
Tmem59l	0.005467	0.990363	0.997535
9230116N	0.004978	0.990533	0.997535
Pigq	0.001865	0.991058	0.997535
Mindy4	0.002943	0.991264	0.997535
Cnga3	0.010575	0.991273	0.997535
Acvr1	0.001427	0.991444	0.997641
Parva	0.001241	0.991672	0.997804
Rexo5	0.00507	0.9921	0.997966
Urb2	0.003032	0.992245	0.99799
Rcan2	0.00161	0.992257	0.99799
Tmem126b	0.001564	0.992376	0.998041
Med29	0.001181	0.992568	0.998101
Rpain	0.001399	0.99273	0.99813
Mfsd8	0.002082	0.993001	0.998153
Zbed6	0.001039	0.993021	0.998153
Grwd1	0.002712	0.99316	0.998153
Lin52	0.002056	0.993281	0.998153
Taf5	0.001705	0.993322	0.998153
Reps1	0.001872	0.99338	0.998153
Btbd6	0.002038	0.993476	0.998153
Gm9752	0.004546	0.993637	0.998238
Psmd7	0.000581	0.993708	0.998242
Cenpx	0.000777	0.993996	0.998397
Ascc2	0.001431	0.994264	0.998599
Msl3l2	0.001783	0.994425	0.998694
Lactb	0.000891	0.994637	0.998773
Nrros	0.001773	0.994752	0.9988
Arl3	0.000561	0.994855	0.9988

Prss36	0.003219	0.994913	0.9988
Sgsm2	0.001779	0.994944	0.9988
Gm34121	0.006346	0.99518	0.9988
Tinf2	0.001668	0.995198	0.9988
Copb1	0.000572	0.99521	0.9988
Bc1	0.005006	0.995272	0.9988
Hyou1	0.001092	0.995544	0.99888
Lemd2	0.000835	0.995627	0.998896
Jarid2	0.000583	0.995942	0.999042
Gm15879	0.004639	0.996109	0.999112
Septin8	0.000358	0.997261	0.999666
Arsg	0.001694	0.997385	0.999722
503343011	0.000785	0.997776	0.999913
Caprin1	0.000184	0.998253	1
Adcy2	0.00176	0.998463	1
Gm19269	0.001991	0.998571	1
Dot1l	0.000273	0.9986	1
Zfp90	0.000359	0.998749	1
Ppp2r3a	0.000198	0.998763	1
672042710	0.000208	0.999081	1
Gm3055	0.000966	0.999117	1
Gm42463	0.000998	0.999193	1
Zc4h2	0.000219	0.999511	1
Mocs3	0.000209	0.999531	1
Megf8	6.04E-05	0.999698	1
Gm47092	6.15E-05	0.999931	1
Gm45694	0	1	1
2900002N	0	1	1
Gm38230	0	1	1
Gm18292	0	1	1
Cdh18	0	1	1
Gm43663	0	1	1
Gm7278	0	1	1
Gm50221	0	1	1
Gm43665	0	1	1
49334110	0	1	1
Gcdh	-1.97E-05	0.999945	1
Lancl3	-7.68E-05	0.999733	1
Sh3d21	-9.83E-05	0.999725	1
Nufip1	-0.00013	0.999501	1
Mterf4	-0.00026	0.999051	1
Gm37632	-0.00117	0.998942	1
Cnot9	-0.0003	0.998819	1
Dgat1	-0.00039	0.998652	1
Ccdc34	-0.00036	0.997898	0.999968
Ndufv3	-0.00022	0.99761	0.999814
Zfpm2	-0.00257	0.997488	0.999758

Gm43544	-0.00164	0.997263	0.999666
Tars	-0.00059	0.996959	0.999495
Rlf	-0.00047	0.996721	0.999324
Pcdhgb5	-0.002	0.996639	0.999309
Abhd10	-0.00079	0.996606	0.999309
Gm5165	-0.00117	0.99635	0.999153
Unc5d	-0.00429	0.996245	0.999115
Gm10134	-0.002	0.996183	0.999115
Pias1	-0.00051	0.995973	0.999042
Mdm1	-0.001	0.99571	0.998913
Tstd2	-0.00125	0.995398	0.9988
Samm50	-0.0007	0.99539	0.9988
Dnhd1	-0.00458	0.995214	0.9988
Gm45203	-0.00451	0.994548	0.99875
Mpdu1	-0.00131	0.993783	0.99825
Rsph3a	-0.00429	0.993486	0.998153
Fam222a	-0.00281	0.993292	0.998153
Fgf11	-0.00297	0.993027	0.998153
2700078Fc	-0.00817	0.992942	0.998153
B3galt2	-0.00461	0.99266	0.998126
Slc25a46	-0.00139	0.992441	0.998041
Gm15663	-0.00357	0.991999	0.997931
Zfp958	-0.00275	0.991956	0.997931
Gm45354	-0.00736	0.991765	0.99783
Selenot	-0.00087	0.991248	0.997535
Acaca	-0.00222	0.991154	0.997535
Cpsf4	-0.00254	0.991104	0.997535
Shkbp1	-0.0024	0.990995	0.997535
Ankrd13d	-0.00458	0.990994	0.997535
Mmp11	-0.00377	0.990943	0.997535
Gm7546	-0.00693	0.990875	0.997535
AV039307	-0.01265	0.990854	0.997535
Trip11	-0.00107	0.99072	0.997535
Phyhipl	-0.00348	0.99065	0.997535
Zfp568	-0.00377	0.989198	0.996587
Eif2b3	-0.0024	0.989176	0.996587
Paxbp1	-0.00218	0.988404	0.996054
Pdss1	-0.00595	0.988282	0.995999
Ppm1d	-0.00233	0.988275	0.995999
Gm42822	-0.00825	0.988174	0.995999
Tmem230	-0.0023	0.988031	0.995947
Gm43766	-0.00884	0.988023	0.995947
Slc27a4	-0.00385	0.988001	0.995947
Nos2	-0.00527	0.987916	0.995947
Pink1	-0.00132	0.987496	0.995743
Cfap300	-0.01495	0.986102	0.994739
Zc3h12b	-0.00815	0.986052	0.994739

Gm26590	-0.01765	0.985744	0.994579
Cntn4	-0.01584	0.985656	0.994579
4833412C	-0.00646	0.985442	0.994475
Tug1	-0.00226	0.984988	0.994085
Gm43138	-0.00844	0.984702	0.993997
A930007A	-0.01129	0.984702	0.993997
Gria2	-0.00835	0.984438	0.993932
Chga	-0.00835	0.984213	0.993872
Gm38223	-0.01681	0.984084	0.993841
B230322F	-0.01008	0.983332	0.993149
Shc4	-0.01338	0.983026	0.992975
Alkbh6	-0.00346	0.982688	0.992968
Stag3	-0.03325	0.982562	0.992968
Celsr2	-0.00817	0.982558	0.992968
Dhdds	-0.0036	0.982508	0.992968
Blzf1	-0.00418	0.982341	0.992953
Kcnab3	-0.0213	0.982133	0.992809
Satb1	-0.00822	0.982051	0.992809
Slc22a17	-0.00453	0.981402	0.992472
Cdc42bpa	-0.00186	0.980904	0.992035
Med30	-0.00317	0.980804	0.992002
Akap1	-0.00431	0.980315	0.991648
Trap1	-0.00458	0.980252	0.991648
Klkb1	-0.01561	0.980095	0.991648
Gm43547	-0.02027	0.97979	0.991578
Syngap1	-0.01399	0.979577	0.991543
Adgra2	-0.00246	0.978805	0.990984
Ik	-0.0022	0.978786	0.990984
Gm47121	-0.01011	0.978574	0.990884
Ccdc58	-0.0056	0.978274	0.990781
Zfp64	-0.0066	0.97827	0.990781
Wrap73	-0.00675	0.978121	0.990761
Mios	-0.00581	0.978052	0.990758
Rps19-ps3	-0.01365	0.977629	0.990518
Tceanc	-0.01202	0.977375	0.990339
Map3k7	-0.00462	0.97714	0.990169
Trim32	-0.00664	0.976787	0.989878
Nexmif	-0.00869	0.976527	0.989765
Slf1	-0.00536	0.976486	0.989765
Cops2	-0.00356	0.976179	0.989765
Pou2f2	-0.026	0.97549	0.989434
Dip2c	-0.00467	0.975386	0.989395
2810455O	-0.03502	0.975242	0.98936
Jag2	-0.00249	0.975165	0.98936
5430403G	-0.01074	0.974796	0.989132
Chpt1	-0.00411	0.974558	0.989025
Cpeb1	-0.0162	0.974269	0.988868

Lztf1	-0.00427	0.973326	0.988377
Ncs1	-0.01916	0.973278	0.988377
Smim19	-0.00496	0.973118	0.988318
Zfp9	-0.00984	0.973055	0.988318
Mfsd11	-0.00781	0.973013	0.988318
Mettl7a1	-0.00641	0.972863	0.98831
Prps1l3	-0.00886	0.972755	0.98831
Gm44291	-0.01124	0.972682	0.98831
Slc39a14	-0.01385	0.972633	0.98831
Trmt44	-0.01115	0.972359	0.988267
Lrp12	-0.01404	0.971791	0.98789
Pum2	-0.00239	0.97175	0.98789
Rasa3	-0.01199	0.971605	0.987877
AA413626	-0.03829	0.971595	0.987877
Ptbp1	-0.00332	0.971485	0.987877
E530011L2	-0.00901	0.971176	0.987869
2610528A	-0.02933	0.971144	0.987869
Dipk2a	-0.00884	0.971068	0.987869
Mettl18	-0.0101	0.970989	0.987869
Mbd3	-0.00334	0.97082	0.987869
Gm45537	-0.01149	0.970775	0.987869
Fanci	-0.01044	0.970759	0.987869
Anapc4	-0.00524	0.970548	0.987835
Lin28a	-0.03619	0.970214	0.987566
Zmym4	-0.00399	0.969873	0.987551
Rai1	-0.0055	0.969861	0.987551
Psmg1	-0.00736	0.969638	0.987551
Slc7a5	-0.0022	0.969177	0.987551
Acp6	-0.01307	0.968977	0.987511
B3gnt9	-0.01676	0.968877	0.987477
Nop56	-0.0062	0.968842	0.987477
Gm47472	-0.04078	0.968815	0.987477
Gm45493	-0.04238	0.968391	0.987317
Akap11	-0.00376	0.967973	0.987026
Glt8d1	-0.0067	0.967862	0.986984
Hpgds	-0.03584	0.96759	0.986984
Gm42614	-0.04782	0.966442	0.986452
Gm19353	-0.02963	0.966427	0.986452
Lipt2	-0.0166	0.965938	0.986294
D930048N	-0.0147	0.965459	0.986074
AA914427	-0.02441	0.96515	0.985959
Gm47644	-0.01272	0.96493	0.98587
Ap3s2	-0.00837	0.964914	0.98587
3222401L1	-0.00664	0.964492	0.985687
Ddhd2	-0.00732	0.96438	0.985644
Clock	-0.00425	0.964154	0.985609
Dhrs4	-0.00844	0.964133	0.985609

Cox7b	-0.00317	0.964073	0.985609
Pex2	-0.00705	0.963798	0.98554
Mbtps2	-0.00873	0.963231	0.985327
Ythdc2	-0.00896	0.963047	0.985327
Ring1	-0.00807	0.962499	0.984932
Dcun1d5	-0.00521	0.962356	0.98492
Gm43259	-0.01472	0.962277	0.98492
2810039B	-0.02605	0.962073	0.984857
Siglece	-0.06035	0.96154	0.984825
Fbrsl1	-0.00713	0.961532	0.984825
Gsta4	-0.00603	0.961227	0.984707
Gm48382	-0.01626	0.961089	0.984633
Orc6	-0.008	0.960926	0.984534
Gm36684	-0.01899	0.960927	0.984534
Rab3c	-0.03189	0.960673	0.984409
Ppp4r4	-0.04239	0.960614	0.984409
Supt16	-0.0045	0.960429	0.984294
Gm29994	-0.04511	0.960379	0.984294
Nsun5	-0.01171	0.959928	0.983982
Ttc5	-0.00688	0.959406	0.983784
Ubl4a	-0.0078	0.959137	0.983642
Pcmt1	-0.00464	0.958678	0.983239
Mvd	-0.02239	0.958658	0.983239
Ccdc65	-0.03027	0.958561	0.983239
Vps18	-0.01339	0.957928	0.983076
Slc33a1	-0.01086	0.95789	0.983076
Gm43274	-0.02389	0.957738	0.983069
Sh3bp5l	-0.01064	0.957	0.982528
Calr	-0.00347	0.95684	0.982431
Gm16759	-0.04559	0.956804	0.982431
Pgghg	-0.01506	0.956682	0.982403
A230051N	-0.03789	0.956679	0.982403
Lrrc24	-0.03925	0.956578	0.982403
Dus1l	-0.01069	0.956563	0.982403
Usp33	-0.00652	0.956145	0.982189
Gm45620	-0.0647	0.955787	0.98211
Dnajc6	-0.02089	0.955671	0.982107
Chaf1a	-0.02376	0.955567	0.982103
Zfp27	-0.02084	0.955388	0.982085
Gpr162	-0.02578	0.955044	0.981866
Dpysl4	-0.01652	0.95463	0.981556
Gm10039	-0.04227	0.95397	0.981031
1700026J1	-0.05568	0.9539	0.981031
Rfc5	-0.02086	0.953633	0.980955
Yae1d1	-0.00737	0.953456	0.980908
Nfasc	-0.01492	0.953446	0.980908
Rnf141	-0.00922	0.95339	0.980908

Cln3	-0.01642	0.953244	0.980908
Gm37084	-0.02671	0.952581	0.980614
Ccdc57	-0.03699	0.952422	0.980585
Arhgap35	-0.00874	0.952266	0.980492
Gm20517	-0.05816	0.951995	0.98028
Rasl11a	-0.00932	0.951949	0.98028
Mib2	-0.0147	0.9519	0.98028
Kctd8	-0.04591	0.95164	0.98028
Kcnc3	-0.02713	0.951627	0.98028
Foxn2	-0.0087	0.951521	0.98028
Zfp30	-0.01368	0.949897	0.979062
Rnf14	-0.00694	0.949893	0.979062
Cpsf3	-0.01087	0.949351	0.978903
Otx2	-0.01111	0.949259	0.978876
Arhgap27c	-0.04361	0.949154	0.978835
Pdgfrl	-0.02777	0.948953	0.978696
Gm47246	-0.04104	0.948769	0.978573
Gm47870	-0.07626	0.947994	0.977909
Lpcat1	-0.00849	0.947957	0.977909
Susd3	-0.01141	0.947798	0.977841
Atxn3	-0.0097	0.947697	0.977841
6030443JC	-0.0396	0.947626	0.977841
Bcl2l12	-0.01282	0.946861	0.977144
Wrap53	-0.02337	0.946539	0.976946
Prpf38a	-0.00824	0.946509	0.976946
Enpp4	-0.00795	0.946415	0.976946
Tubb3	-0.04466	0.946364	0.976946
Terf2	-0.00981	0.9462	0.976946
Ercc5	-0.00878	0.946017	0.97694
Lrch2	-0.02977	0.945894	0.976887
Dnajc25	-0.01402	0.945675	0.976796
Gm43328	-0.02767	0.945642	0.976796
Gm6863	-0.02362	0.945591	0.976796
Gm37893	-0.02723	0.945563	0.976796
Nudt1	-0.02265	0.945118	0.976624
Gm44829	-0.0249	0.945115	0.976624
Txnrd2	-0.02019	0.944901	0.976535
Ncbp1	-0.01179	0.944398	0.976173
Gm43593	-0.03672	0.944297	0.976173
Wdr38	-0.04869	0.944226	0.976173
Fbxo30	-0.01137	0.944173	0.976173
Gm8557	-0.04477	0.943983	0.976173
Polr1f	-0.00916	0.943868	0.976173
Rps25-ps1	-0.02282	0.943855	0.976173
Btbd2	-0.01138	0.943689	0.976173
9330020H	-0.01726	0.943354	0.975946
Mon1b	-0.02048	0.943291	0.975946

BC037704	-0.04744	0.9426	0.975503
Irak1	-0.0072	0.942034	0.975305
Uevld	-0.02375	0.94076	0.974427
Arl8b	-0.00859	0.940664	0.974427
Zfp366	-0.00632	0.940342	0.974244
Gm45051	-0.02069	0.940106	0.974067
Rabif	-0.01407	0.939789	0.97394
Slc23a2	-0.01315	0.939282	0.97365
Kbtbd3	-0.01493	0.939239	0.97365
Brwd1	-0.00783	0.939232	0.97365
Spata7	-0.01419	0.938765	0.973379
Gm47481	-0.11456	0.938551	0.973379
Zdhhc13	-0.02728	0.93842	0.97333
Spout1	-0.01747	0.938333	0.973308
Ppargc1b	-0.01707	0.937879	0.973039
Gm15481	-0.0428	0.937355	0.972765
D930036K	-0.09647	0.937188	0.972722
Mynn	-0.01185	0.936893	0.972623
Gm36952	-0.091	0.936456	0.972371
Rab27b	-0.03053	0.936301	0.972277
Aste1	-0.0217	0.936022	0.972191
Gm16062	-0.04845	0.935645	0.972068
Cep85l	-0.01192	0.935548	0.972035
Zcchc9	-0.01132	0.935542	0.972035
Plxna3	-0.06434	0.935079	0.971787
Gtf3c6	-0.01128	0.935017	0.971787
Gdap1l1	-0.04769	0.934936	0.971787
Gm9645	-0.04012	0.934835	0.971787
Sec24a	-0.0143	0.934779	0.971787
Dnal4	-0.01505	0.934378	0.971629
Ttc39c	-0.02717	0.934072	0.971445
Prmt7	-0.01825	0.933714	0.971343
Zfyve19	-0.02121	0.933219	0.97103
Gm38365	-0.03055	0.933057	0.970929
Fgd6	-0.01161	0.932404	0.970519
Nudt2	-0.01464	0.932312	0.970519
Ccdc127	-0.01056	0.932042	0.970519
Dhx16	-0.01586	0.932019	0.970519
Gm36371	-0.04836	0.931929	0.970519
Gm13112	-0.10765	0.931912	0.970519
Abi3bp	-0.04001	0.931756	0.970519
Gm12689	-0.06266	0.931364	0.970519
Gm13483	-0.08626	0.931251	0.970519
Ptp4a3	-0.00607	0.931202	0.970519
Il18bp	-0.02582	0.931138	0.970519
Ap1s1	-0.01255	0.93109	0.970519
Gm49300	-0.0883	0.930485	0.970208

Gm43488	-0.10075	0.93043	0.970208
Mcoln1	-0.0184	0.930369	0.970208
Gm20696	-0.0222	0.929862	0.969761
Zfat	-0.03554	0.929623	0.969715
Zfp28	-0.03015	0.929459	0.969611
Fads6	-0.09329	0.929267	0.969553
Btbd7	-0.00593	0.929241	0.969553
Arhgap4	-0.08628	0.929179	0.969553
Hells	-0.03049	0.92902	0.969553
9430015G	-0.03458	0.928813	0.969478
Crnde	-0.02056	0.928589	0.969312
Pex7	-0.01631	0.927893	0.968922
Lsr	-0.00592	0.927644	0.968823
Cul4b	-0.01693	0.927604	0.968823
A430027C	-0.02563	0.927554	0.968823
Tamm41	-0.02935	0.927528	0.968823
A930001N	-0.02394	0.92745	0.968823
Zfp276	-0.02722	0.927325	0.968823
Mypop	-0.02305	0.927199	0.968823
Rab5b	-0.009	0.927049	0.968785
Abhd13	-0.01667	0.926864	0.968659
Cda	-0.06845	0.92667	0.968524
Vav2	-0.02873	0.926286	0.968258
Bmp15	-0.07865	0.9262	0.968235
Ppp1ca	-0.00688	0.926193	0.968235
Nacad	-0.04917	0.926097	0.968235
Rngtt	-0.0189	0.925902	0.968222
Rpusd1	-0.02555	0.925841	0.968222
C730045N	-0.02919	0.924791	0.967444
1700037C	-0.03351	0.92475	0.967444
Cacnb1	-0.05269	0.924672	0.967444
Tbrg4	-0.02856	0.924321	0.967352
Gm527	-0.04542	0.924091	0.967178
Nit1	-0.01576	0.924049	0.967178
Vps35l	-0.01444	0.923763	0.967163
Ibtk	-0.0169	0.923738	0.967163
Dab1	-0.02636	0.923648	0.967163
Rbm20	-0.05188	0.923376	0.967106
4930579G	-0.03895	0.92321	0.967
Cacul1	-0.0148	0.922967	0.966813
Gm26912	-0.10553	0.922879	0.966809
Ubxn4	-0.00758	0.922699	0.966735
Adora2a	-0.01751	0.922407	0.966508
Gm46350	-0.0922	0.922126	0.966473
Arhgap31	-0.00554	0.921562	0.966103
Gm11266	-0.06875	0.921501	0.966103
lqck	-0.05318	0.921426	0.966103

Gm37472	-0.04	0.921387	0.966103
Cnot3	-0.01143	0.921116	0.966076
Srsf4	-0.01019	0.920798	0.965893
Mtmr12	-0.01613	0.920526	0.965893
Gm16523	-0.04794	0.920453	0.965893
Gm37553	-0.08758	0.920195	0.965893
0610010K	-0.01352	0.919681	0.965601
Ndufa12-p	-0.04187	0.919641	0.965601
Gm49260	-0.08834	0.919531	0.965578
Gm44647	-0.08735	0.919349	0.965523
Gm38082	-0.04197	0.919151	0.965382
Vps8	-0.02317	0.919002	0.965318
Neil1	-0.0426	0.918933	0.965318
Ncor1	-0.00602	0.918778	0.965318
Timm17b	-0.0131	0.91833	0.965197
Zdhhc21	-0.01867	0.918147	0.965073
Akr1b8	-0.04377	0.917245	0.964487
Wars	-0.01498	0.91711	0.964487
Golph3l	-0.02008	0.917013	0.964487
Tgm4	-0.0889	0.916987	0.964487
E130310I0	-0.02552	0.91653	0.964321
Sema4b	-0.04869	0.916441	0.964321
A930030B	-0.1802	0.91634	0.964321
Ccdc22	-0.03281	0.915859	0.964089
Kcne2	-0.05992	0.915742	0.964033
Nudt21	-0.01321	0.915493	0.963849
Hps5	-0.02067	0.914915	0.963502
Psmb6	-0.00878	0.914641	0.963342
Vhl	-0.02051	0.914577	0.963342
6230400D	-0.04127	0.914472	0.963342
Gkap1	-0.01046	0.91393	0.963074
Fbxw7	-0.01285	0.913818	0.963024
Gm37333	-0.03145	0.913593	0.962855
Acbd7	-0.05037	0.913499	0.962824
Lin37	-0.02021	0.913175	0.962638
Orc4	-0.0156	0.913135	0.962638
Pitrm1	-0.02648	0.912252	0.962322
Gnaz	-0.02487	0.911953	0.962075
Sncg	-0.01677	0.911021	0.961545
2310022A	-0.02909	0.910933	0.961541
Clcn6	-0.02374	0.910732	0.961396
Lockd	-0.05849	0.91052	0.96124
Scrt1	-0.0874	0.910375	0.961155
Gm42466	-0.05717	0.909476	0.960812
Bcs1l	-0.03084	0.909326	0.960793
Pttg1	-0.00974	0.90888	0.960592
Cxadr	-0.04321	0.908633	0.960425

Aagab	-0.02538	0.908505	0.9604
Gm4742	-0.04151	0.908397	0.960353
Gm37726	-0.0688	0.907866	0.960266
Gm35256	-0.14902	0.907827	0.960266
Gm4366	-0.06742	0.907635	0.960158
Camk1g	-0.08379	0.907445	0.960025
Mrps21	-0.00979	0.906822	0.959773
Ccdc28a	-0.033	0.906823	0.959773
Zfp788	-0.02208	0.906674	0.959773
Ttc30a1	-0.051	0.906481	0.959773
Ei24	-0.01203	0.906062	0.959773
Rfesd	-0.02683	0.905481	0.959302
Gm37676	-0.09041	0.905346	0.959294
Tmod4	-0.08963	0.905293	0.959294
Armcx1	-0.01782	0.905263	0.959294
Nfx1	-0.01474	0.905162	0.959294
Ccne2	-0.06367	0.905108	0.959294
Aaas	-0.03207	0.905019	0.959294
Nhlrc1	-0.05963	0.904988	0.959294
Gtpbp4	-0.01314	0.904581	0.959028
Pabpn1	-0.0138	0.904484	0.958993
Ssc5d	-0.14353	0.904055	0.95891
Adi1	-0.02564	0.90392	0.95891
Dctn4	-0.01098	0.903759	0.958835
Gfpt1	-0.0168	0.903715	0.958835
Mrpl19	-0.02459	0.903656	0.958835
Runx1	-0.04197	0.903322	0.958722
Ophn1	-0.0164	0.903288	0.958722
Tppp	-0.04756	0.903229	0.958722
Gm12254	-0.04401	0.903057	0.958722
Meis3	-0.04797	0.903053	0.958722
Opn1sw	-0.01823	0.902931	0.958722
Fxr2	-0.01633	0.902671	0.958632
Gm37463	-0.07416	0.902331	0.958348
Rab24	-0.01516	0.902188	0.958323
Zfp282	-0.02408	0.90199	0.958181
Ppp4r3b	-0.01088	0.901955	0.958181
Gm43652	-0.07722	0.901681	0.95811
Unc45a	-0.0176	0.901325	0.95795
Mfsd3	-0.06555	0.900912	0.957646
Snrnp40	-0.01813	0.900795	0.957623
Zfp148	-0.01074	0.900492	0.957404
Kctd13	-0.03034	0.900419	0.957395
Nrf1	-0.01719	0.900164	0.957328
Zscan12	-0.0282	0.899859	0.957251
Rprd2	-0.01474	0.899785	0.957251
Thoc5	-0.0251	0.899739	0.957251

Dlc1	-0.00759	0.89905	0.957026
Smcr8	-0.0343	0.898603	0.956686
Fkbp1	-0.03607	0.898562	0.956686
Zfp948	-0.02727	0.898133	0.956459
Hif1an	-0.02158	0.898037	0.956424
Gm31105	-0.04509	0.897888	0.956333
Pcdhgb6	-0.08123	0.897877	0.956333
Mcmdbp	-0.01507	0.897841	0.956333
Srsf9	-0.01084	0.897749	0.956333
Ppp6r2	-0.01975	0.897116	0.955919
Siva1	-0.01584	0.897099	0.955919
Socs2	-0.0165	0.897025	0.955919
Dyrk2	-0.01643	0.896421	0.955587
Ppox	-0.03186	0.895954	0.955225
Med24	-0.03061	0.895523	0.954932
Gm37767	-0.07259	0.89547	0.954932
Coq4	-0.04073	0.895423	0.954932
Bcas2	-0.01142	0.895414	0.954932
Sphk2	-0.03327	0.895352	0.954932
Apbb1	-0.02465	0.895196	0.954932
Prkag3	-0.12611	0.895123	0.954932
ENSMUSG1	-0.19787	0.894525	0.954617
Gm37558	-0.03704	0.894439	0.954617
Idnk	-0.01567	0.894305	0.954555
Fdxacb1	-0.04592	0.894267	0.954555
Tomm40l	-0.02675	0.893994	0.954555
Mybl1	-0.0522	0.893864	0.954492
Sh3gl2	-0.03337	0.893197	0.953916
Pip5k1a	-0.01657	0.893144	0.953916
Sdccag8	-0.03622	0.893061	0.953916
Slc24a2	-0.12074	0.893034	0.953916
Cbx6	-0.01381	0.892979	0.953916
Aoc2	-0.07387	0.892634	0.953789
1700112J1	-0.15398	0.891766	0.953124
Bbs2	-0.02893	0.891745	0.953124
Gm15952	-0.0791	0.891639	0.953124
Gm7467	-0.06447	0.89146	0.953118
Pip4p1	-0.01908	0.891451	0.953118
Becn1	-0.01486	0.891348	0.953118
Fbn1	-0.08788	0.890595	0.952881
Gdpgp1	-0.04671	0.890577	0.952881
Cklf	-0.03502	0.890408	0.952881
Macir	-0.02003	0.89029	0.952851
Fscn2	-0.02896	0.890193	0.952851
Zfp449	-0.04397	0.88924	0.952339
Slc2a3	-0.06186	0.889132	0.952291
Rnf216	-0.01551	0.888885	0.952191

Ranbp3	-0.02262	0.888799	0.952191
Gm47580	-0.05883	0.888612	0.952191
Rufy3	-0.01719	0.888569	0.952191
Ldb3	-0.15019	0.88817	0.951874
Mcm7	-0.03614	0.888062	0.951874
Gm9294	-0.0578	0.887975	0.95187
Gm12934	-0.14333	0.887002	0.951158
Zfp777	-0.02949	0.886982	0.951158
Msh6	-0.03586	0.886891	0.951158
Cops9	-0.01072	0.886501	0.951107
Napa	-0.01511	0.886198	0.951074
Slc25a51	-0.0181	0.885888	0.951074
Rassf10	-0.0948	0.885862	0.951074
Six6	-0.03993	0.885771	0.951074
Rpl27a-ps4	-0.05622	0.885676	0.951074
Ndrp4	-0.07768	0.885606	0.951074
Btln9	-0.21629	0.88557	0.951074
Gm4189	-0.08882	0.885437	0.951074
Crls1	-0.02668	0.885193	0.951074
A930006IC	-0.03336	0.884791	0.950771
Srp54a	-0.03146	0.884645	0.950765
Gm41757	-0.22759	0.884109	0.950311
Gm49413	-0.09726	0.883657	0.949962
Zfp454	-0.09008	0.883592	0.949962
Pomt2	-0.03346	0.883586	0.949962
Urgcp	-0.02904	0.883547	0.949962
Afdn	-0.00861	0.883292	0.949962
Vrk3	-0.02144	0.88315	0.949893
Srek1ip1	-0.02173	0.882587	0.949493
4933406J1	-0.2175	0.882534	0.949493
Rufy2	-0.02359	0.882235	0.949319
Bloc1s4	-0.02107	0.882007	0.94921
Pank4	-0.0339	0.881653	0.948965
Mphosph8	-0.01342	0.881614	0.948965
Zfp652os	-0.09572	0.881511	0.948949
Tomm34	-0.02292	0.881412	0.948911
Ccdc174	-0.01838	0.881289	0.948846
Zfp174	-0.07961	0.8812	0.948846
Npl	-0.09257	0.880938	0.94881
Ttc8	-0.02845	0.880748	0.948771
Disp1	-0.0538	0.88052	0.948701
Cryzl1	-0.01926	0.88041	0.948701
Rab30	-0.04224	0.880009	0.948697
Gm49077	-0.12227	0.879498	0.948388
Gm38300	-0.11032	0.879446	0.948388
Nudcd1	-0.03619	0.879202	0.948304
Nme6	-0.04371	0.878787	0.948137

Pex26	-0.04318	0.878155	0.947821
Gm13787	-0.23414	0.878124	0.947821
Mthfd2	-0.06085	0.878044	0.947821
Dnm2	-0.01231	0.877673	0.947748
Gm15542	-0.06778	0.877515	0.947748
Znhit2	-0.03187	0.877445	0.947748
Tab1	-0.03806	0.877074	0.947577
Polr1e	-0.05909	0.87704	0.947577
Ano2	-0.0679	0.87661	0.947549
Vldlr	-0.02663	0.876418	0.947417
Zfp955b	-0.02643	0.876287	0.947413
Eef1aknmt	-0.04954	0.876273	0.947413
Asphd2	-0.1585	0.87621	0.947413
Strn	-0.02705	0.875851	0.947284
Prkra	-0.02251	0.875705	0.947263
Gon4l	-0.02589	0.875645	0.947263
Mrpl9	-0.01948	0.875525	0.947228
Arrdc2	-0.03758	0.875435	0.947228
Gm26749	-0.12694	0.875413	0.947228
Fbxo4	-0.032	0.875182	0.947228
Gm37941	-0.09462	0.875011	0.947196
Ep400	-0.01418	0.874933	0.94718
Ctnnbl1	-0.02426	0.874569	0.946922
Arhgef18	-0.02926	0.874549	0.946922
Ado	-0.0328	0.87353	0.946346
Particl	-0.04141	0.873366	0.946304
Tmem231	-0.06161	0.873236	0.946232
Actr1a	-0.0179	0.873218	0.946232
Ncaph2	-0.02346	0.873095	0.946232
Papss2	-0.04924	0.87303	0.946232
Alkbh1	-0.02751	0.872975	0.946232
Tank	-0.03352	0.872845	0.946219
Pter	-0.06513	0.872574	0.945994
Mn1	-0.03108	0.872558	0.945994
Dok4	-0.02969	0.872224	0.945821
AV099323	-0.07865	0.87195	0.945821
Traf3	-0.03286	0.871571	0.945523
Vps4b	-0.01557	0.871367	0.945452
Gabrr1	-0.13247	0.870716	0.945006
Elk1	-0.04527	0.870478	0.944895
Smim3	-0.0307	0.870445	0.944895
Gm43980	-0.07771	0.870434	0.944895
Rnf208	-0.09757	0.870009	0.9448
Mars1	-0.03273	0.869938	0.9448
Pet100	-0.01847	0.869573	0.944519
2210016L2	-0.01764	0.869284	0.944274
Sapcd1	-0.06703	0.869053	0.944213

Ppp2r5e	-0.01863	0.869017	0.944213
Apc2	-0.05527	0.868511	0.943869
Ywhag	-0.01798	0.868491	0.943869
Gm17477	-0.1176	0.868432	0.943869
Gm8234	-0.17001	0.868008	0.94384
Ddx1	-0.02046	0.867951	0.94384
Gm43852	-0.11219	0.867753	0.943774
Gm9028	-0.23566	0.867464	0.943597
Gm14216	-0.19041	0.86718	0.943425
Polr3k	-0.02477	0.866791	0.943208
Ftsj3	-0.03537	0.866655	0.943197
Hectd4	-0.02386	0.866613	0.943197
Zfp219	-0.03406	0.86637	0.943161
Fh1	-0.02452	0.866341	0.943161
Gm37949	-0.08227	0.866016	0.942913
Cndp2	-0.03028	0.865794	0.94274
Gm44509	-0.07225	0.8657	0.94274
Gm38162	-0.05728	0.865585	0.94274
Upf1	-0.02246	0.865317	0.942563
Arpc4	-0.01712	0.865144	0.942443
Map7	-0.02095	0.865058	0.942417
Shisa9	-0.08738	0.864822	0.942262
Tecr	-0.01315	0.86477	0.942262
1700066M	-0.05003	0.864684	0.942262
Zscan26	-0.01997	0.864591	0.942262
Rbx1-ps	-0.20924	0.864234	0.942262
BC037039	-0.12081	0.864029	0.94212
Gm9887	-0.05593	0.863983	0.94212
Gm36955	-0.1075	0.863796	0.942003
Shld2	-0.04464	0.863558	0.941857
Fyco1	-0.01333	0.863482	0.941857
B230369F	-0.08618	0.863403	0.941857
Zfp775	-0.04743	0.863365	0.941857
Gm42514	-0.09466	0.863294	0.941857
Atxn2	-0.01854	0.862955	0.941771
Baiap2	-0.0203	0.862905	0.941771
Sh3glb2	-0.02164	0.862627	0.941619
Mfn2	-0.02428	0.86262	0.941619
Xylb	-0.14868	0.86243	0.941569
Rbbp8	-0.03452	0.862401	0.941569
Gm49502	-0.0666	0.862176	0.941569
Rnmt	-0.02819	0.861994	0.941569
Stimate	-0.03447	0.86155	0.941405
Tmem143	-0.05976	0.861257	0.941222
Kcnh6	-0.25384	0.861006	0.941154
Gm15559	-0.17626	0.860745	0.941143
Acaa1b	-0.07063	0.860603	0.941125

Smg8	-0.03828	0.860435	0.941011
Cers4	-0.01444	0.860346	0.940981
Camk2n1	-0.01407	0.860122	0.940806
Tob1	-0.01454	0.859989	0.940797
Gm48581	-0.19379	0.859932	0.940797
Slc7a14	-0.15931	0.859267	0.940297
Slc29a2	-0.07237	0.859248	0.940297
Sgsm3	-0.04427	0.858981	0.940297
Ofd1	-0.03935	0.858855	0.940244
Glce	-0.0346	0.858622	0.940195
A430103D	-0.09102	0.85848	0.940108
Cyth2	-0.02021	0.85819	0.939902
Zfp933	-0.04598	0.858	0.939902
Emc3	-0.01727	0.857933	0.939902
Gm37522	-0.08177	0.857907	0.939902
Tnfaip3	-0.02773	0.857655	0.939902
Timm29	-0.03144	0.857514	0.939875
Etfbkmt	-0.08009	0.857461	0.939875
Iars	-0.03425	0.857385	0.939872
5430400D	-0.13198	0.857344	0.939872
Gm48653	-0.14667	0.857268	0.939872
Gm37811	-0.10243	0.857226	0.939872
Trpm3	-0.02957	0.857113	0.939872
Atg9a	-0.07202	0.857062	0.939872
Plekhf2	-0.02034	0.856943	0.939872
Cfap53	-0.13727	0.856895	0.939872
Caskin1	-0.07217	0.856844	0.939872
Fam214b	-0.0343	0.856175	0.939783
Aco2	-0.01629	0.855981	0.939639
Magi3	-0.01925	0.855811	0.939522
Casp2	-0.03756	0.855698	0.939467
Gm30238	-0.16921	0.855685	0.939467
Synj2bp	-0.0171	0.855679	0.939467
Tchp	-0.04722	0.85494	0.938979
Yif1b	-0.02109	0.854841	0.938979
Ccdc167	-0.03757	0.854507	0.938837
Mbd1	-0.02478	0.854421	0.938822
Maml1d1	-0.03825	0.854314	0.938774
Phc3	-0.01705	0.854268	0.938774
Zfp382	-0.08385	0.854109	0.938686
Bfsp2	-0.12787	0.854074	0.938686
Ikbip	-0.025	0.854065	0.938686
Mrpl44	-0.02968	0.853739	0.938486
Pde3a	-0.02993	0.853492	0.938284
Otud5	-0.02543	0.853487	0.938284
Cntd1	-0.17106	0.853449	0.938284
Cnot2	-0.02391	0.853162	0.938196

Myt1	-0.0682	0.852954	0.938105
Nup153	-0.02579	0.852925	0.938105
Tmem86b	-0.12164	0.852662	0.938059
Man1a2	-0.01806	0.852507	0.938059
Gm43288	-0.2262	0.852389	0.938059
Gm9750	-0.31069	0.852014	0.938059
Gm29394	-0.15311	0.851759	0.938059
Cux2	-0.10481	0.851667	0.938059
Polr3d	-0.04242	0.850661	0.937442
Ankrd27	-0.03807	0.85001	0.936933
Tob2	-0.0175	0.849451	0.936523
Zbtb39	-0.04544	0.849409	0.936523
Gm45185	-0.31585	0.848861	0.936493
Tubgcp4	-0.03353	0.848601	0.936493
Micu2	-0.02525	0.848425	0.936493
Zfhx4	-0.09106	0.848018	0.93646
Bcam	-0.01272	0.847589	0.936193
4930458D	-0.30629	0.847555	0.936193
Rnaseh2a	-0.04068	0.847552	0.936193
Bbs7	-0.03436	0.847509	0.936193
Cyria	-0.07134	0.847413	0.936193
Rfxank	-0.04804	0.847371	0.936193
Tma16	-0.04387	0.84708	0.936184
Gm36839	-0.11791	0.847003	0.936168
Hs2st1	-0.02505	0.846826	0.936041
Ptgr2	-0.03411	0.846549	0.936011
Toe1	-0.03998	0.846216	0.935781
Lrrc66	-0.15952	0.846163	0.935781
Zfp493	-0.14996	0.845955	0.935632
Ufsp1	-0.05249	0.845611	0.935556
Hypk	-0.02321	0.845545	0.935556
Fkbp8	-0.01621	0.845355	0.935451
Ccdc187	-0.22147	0.845335	0.935451
Vps13a	-0.02403	0.844733	0.935134
Pus7l	-0.10784	0.84463	0.935134
Stx7	-0.01975	0.844233	0.935039
Gsto2	-0.13401	0.843814	0.93485
Atf1	-0.0255	0.843556	0.934634
Mfap3	-0.02568	0.843482	0.934622
Rabl6	-0.02524	0.843417	0.934619
Hey2	-0.03697	0.843411	0.934619
Zfp781	-0.16855	0.843317	0.934619
Mipol1	-0.04192	0.842999	0.934445
Isoc2a	-0.07997	0.84272	0.934445
Mau2	-0.02184	0.842466	0.934326
Bex4	-0.0771	0.841021	0.933069
3300002I0	-0.15126	0.840794	0.932955

Crkl	-0.02633	0.840391	0.932716
Gm43866	-0.30798	0.840334	0.932716
Gm48501	-0.18614	0.840239	0.932716
Spats2l	-0.04908	0.840198	0.932716
Pth1r	-0.03258	0.84017	0.932716
Ewsr1	-0.01597	0.839905	0.932716
8030445P:	-0.2972	0.839892	0.932716
Mrpl58	-0.0233	0.839237	0.932196
2600002D	-0.23422	0.839068	0.932077
Zfp946	-0.04089	0.838541	0.931906
Ikzf5	-0.02475	0.838486	0.931906
Gm45110	-0.10756	0.838406	0.931894
Trim39	-0.03788	0.838298	0.931843
Pml	-0.0355	0.838252	0.931843
Prmt9	-0.04986	0.838021	0.931674
Gm6563	-0.06442	0.837607	0.931352
Clp1	-0.04608	0.837296	0.931144
Ago3	-0.02701	0.836734	0.930672
Thoc2l	-0.0187	0.835837	0.930075
Ubxn1	-0.01378	0.835826	0.930075
Lrrc40	-0.053	0.835655	0.93001
Iba57	-0.11619	0.835454	0.929856
Edc4	-0.03641	0.834852	0.929324
Trappc6b	-0.01699	0.834796	0.929324
Magix	-0.05424	0.834737	0.929324
Gm47122	-0.11764	0.834722	0.929324
Camk1	-0.02312	0.834355	0.929185
Cdc73	-0.02152	0.834273	0.929163
Gm20163	-0.2643	0.834266	0.929163
Mcm6	-0.03505	0.834056	0.92906
MIlf1	-0.07084	0.833866	0.929056
Txn2	-0.01875	0.833348	0.92878
Rnf8	-0.03009	0.832569	0.928508
Txnrd3	-0.04181	0.832485	0.928484
Stk40	-0.02707	0.832384	0.928473
Rtl6	-0.07719	0.832343	0.928473
Gng13	-0.05536	0.832026	0.928317
Cartpt	-0.2081	0.831548	0.927853
Gapvd1	-0.0179	0.831519	0.927853
L2hgdh	-0.08353	0.831431	0.927853
Prelid3b	-0.03385	0.830727	0.927214
Tmem145	-0.07284	0.830385	0.927177
Limk1	-0.04791	0.830099	0.926927
Rita1	-0.08334	0.829966	0.926891
Uqcr11	-0.01177	0.829815	0.92685
Cct4	-0.01727	0.829335	0.926488
Tln1	-0.01453	0.829271	0.926486

Aard	-0.30081	0.829235	0.926486
Car7	-0.09367	0.829134	0.926472
C430039JC	-0.09766	0.828459	0.925786
Dpp7	-0.07841	0.828154	0.925653
Ankrd42	-0.18647	0.828029	0.925583
Nme4	-0.18778	0.827922	0.925532
Prpf40b	-0.03581	0.827839	0.92553
Gm4925	-0.30653	0.827683	0.925472
Atg5	-0.02853	0.827394	0.925287
Dph7	-0.05295	0.827045	0.925035
Epm2a	-0.06264	0.826405	0.924458
Tox2	-0.05682	0.826317	0.924428
Slc5a6	-0.07602	0.826138	0.924297
Dcdc2b	-0.18672	0.825725	0.924077
Gm43378	-0.11268	0.825245	0.923712
Abl2	-0.03488	0.825191	0.923712
Vit	-0.2477	0.825055	0.923706
Gm5297	-0.11848	0.82465	0.923322
Ttl	-0.04128	0.824567	0.923322
Abcg2	-0.0111	0.824486	0.923322
Strada	-0.05354	0.824453	0.923322
Ythdf1	-0.02695	0.824316	0.923293
Gm44053	-0.23808	0.823643	0.922829
Dglucy	-0.11014	0.823286	0.922622
mt-Tt	-0.17895	0.823071	0.92245
Gm47664	-0.06219	0.822899	0.922436
Homer3	-0.04009	0.822447	0.922166
Gas8	-0.05132	0.822237	0.922
Mfsd14a	-0.02581	0.822152	0.922
Kansl2	-0.03503	0.821269	0.921259
Cabin1	-0.03201	0.821269	0.921259
Itfg2	-0.04277	0.821124	0.921234
Smad4	-0.01917	0.821006	0.92117
Txndc9	-0.02292	0.820772	0.920977
Taok3	-0.02931	0.820704	0.920969
Dvl3	-0.03934	0.820414	0.920921
Psmd2	-0.02106	0.820146	0.920758
Gm48889	-0.10073	0.820109	0.920758
BC049715	-0.24816	0.820001	0.920758
Metap2	-0.016	0.819707	0.920674
Wdr19	-0.0714	0.819586	0.920674
Gm49932	-0.28106	0.819452	0.9206
Timm17a	-0.02188	0.819358	0.920564
D830024N	-0.2581	0.819351	0.920564
Kif2a	-0.02432	0.819101	0.920413
Gm15937	-0.14617	0.818853	0.920203
Ccdc18	-0.12706	0.818783	0.920194

Tmem160	-0.02042	0.818609	0.920136
Gm53012	-0.08753	0.818463	0.920111
Rps13-ps2	-0.13537	0.818358	0.920062
Col20a1	-0.20815	0.817909	0.919694
Gm45084	-0.14406	0.817851	0.919694
Atrip	-0.05196	0.817821	0.919694
2210016F:	-0.05151	0.817756	0.919694
Kcnc1	-0.20175	0.817625	0.919651
Cnpy3	-0.03882	0.817539	0.919651
Rcan3	-0.03841	0.817503	0.919651
1110038F:	-0.02517	0.817489	0.919651
Ccnh	-0.0344	0.817408	0.919651
Gm42942	-0.28312	0.817025	0.919598
Nme1	-0.02458	0.816766	0.919495
Slc11a2	-0.05738	0.816601	0.919467
1110032A:	-0.0425	0.816182	0.919134
Gm48369	-0.13819	0.815946	0.918964
lqcc	-0.05951	0.815719	0.918888
Gm48230	-0.11595	0.814651	0.91803
Sbno1	-0.01884	0.814619	0.91803
Ptpn13	-0.07057	0.814372	0.917923
Gm38034	-0.09278	0.813953	0.917728
Mif4gd	-0.02533	0.813853	0.917684
Arhgef26	-0.04673	0.813435	0.917282
Hlcs	-0.03632	0.813347	0.917251
Rhpn1	-0.1017	0.812983	0.91717
Med6	-0.0355	0.812888	0.917157
B4galnt1	-0.16552	0.81283	0.917157
Elfn1	-0.0718	0.812834	0.917157
R3hcc1l	-0.04211	0.812765	0.917157
Ccdc191	-0.06515	0.812397	0.917078
Plekha8	-0.03747	0.812296	0.917034
Setx	-0.02534	0.81229	0.917034
1700087l2	-0.38372	0.812214	0.917034
Dtd1	-0.0332	0.812089	0.917034
Kdm2a	-0.02104	0.812024	0.917034
Scn2b	-0.10902	0.811829	0.916943
Cachd1	-0.03436	0.811718	0.916933
Gm28112	-0.28666	0.81147	0.916792
Tmod1	-0.08929	0.811229	0.916619
Abcd3	-0.03407	0.811138	0.916619
Chmp7	-0.03757	0.810665	0.916367
Ddb1	-0.02033	0.810659	0.916367
Taf4b	-0.06637	0.809992	0.915813
Gfod2	-0.04772	0.809945	0.915813
Tmem192	-0.04775	0.8095	0.915534
Gm37755	-0.3335	0.809148	0.915274

Nin	-0.02912	0.809105	0.915274
Mettl14	-0.04869	0.808403	0.914845
Tmeff1	-0.02593	0.808211	0.914767
Slc38a1	-0.07915	0.807876	0.914526
Fbxw9	-0.05094	0.807725	0.914424
Phaf1	-0.05162	0.80767	0.914424
Atg10	-0.05211	0.807647	0.914424
Map4k5	-0.03267	0.807172	0.914213
Xlr	-0.06475	0.806774	0.91397
Cox17	-0.02075	0.806362	0.913918
Gm10184	-0.33856	0.805819	0.913371
Vps11	-0.03692	0.805806	0.913371
Wiz	-0.03869	0.805702	0.913371
Stac3	-0.18097	0.805046	0.912979
Idh2	-0.03215	0.805004	0.912979
Acot6	-0.15742	0.804485	0.91274
Cers6	-0.08259	0.804122	0.912553
Vps13c	-0.03397	0.804018	0.912504
Zfp955a	-0.07375	0.804009	0.912504
Snhg15	-0.08149	0.803848	0.912504
Cox16	-0.04708	0.803642	0.912424
Hnrnpdl	-0.01838	0.803031	0.911945
Lrch1	-0.02989	0.802833	0.911853
Perp	-0.03783	0.802253	0.911399
Pgbd5	-0.20961	0.801767	0.910986
Spata48	-0.41127	0.801206	0.910693
Sema4c	-0.03424	0.800991	0.910571
AW14615	-0.08367	0.80049	0.910225
4833420G	-0.02838	0.800251	0.910083
Abhd5	-0.038	0.800253	0.910083
Gm42722	-0.4174	0.800046	0.910066
Gm42728	-0.14751	0.799922	0.909994
Gm19605	-0.14582	0.799778	0.909899
Fads1	-0.04423	0.799688	0.909866
Arfip2	-0.04197	0.7995	0.909776
Tgoln1	-0.01973	0.799408	0.909755
Gm20337	-0.24503	0.799208	0.909596
AA474408	-0.15313	0.798914	0.9094
Rab40c	-0.04945	0.7988	0.90934
Bckdha	-0.03805	0.798741	0.90934
4933429O	-0.37847	0.798676	0.909337
Ywhae	-0.0131	0.798363	0.909118
Mdm4	-0.02699	0.798145	0.90894
Selenbp1	-0.05498	0.797753	0.908563
Gm27003	-0.18759	0.796981	0.908029
Nav3	-0.25269	0.796883	0.907991
Ube3c	-0.03383	0.796819	0.907991

BC024978	-0.1039	0.796796	0.907991
Spag1	-0.09397	0.796102	0.907648
Ccnj	-0.08755	0.795986	0.907648
Aamd	-0.02867	0.795769	0.907477
Gm43737	-0.14722	0.79575	0.907477
Ppp3r1	-0.02832	0.795561	0.907377
Surf6	-0.05897	0.795379	0.907238
Vps52	-0.0413	0.795319	0.907238
Sp110	-0.04266	0.794248	0.906432
Parp1	-0.04254	0.794122	0.906357
Nkiras1	-0.04552	0.793653	0.906047
Rsrc1	-0.03125	0.793071	0.905641
Gm43628	-0.09999	0.792996	0.905641
1700086O	-0.10811	0.792837	0.905582
Gm47690	-0.18801	0.79226	0.905237
Exosc1	-0.0368	0.792163	0.905237
Lonrf1	-0.07812	0.792025	0.905206
Klhl29	-0.14284	0.791773	0.905125
Fbxo10	-0.07927	0.791518	0.904972
Greb1	-0.16914	0.791153	0.904761
Gpr19	-0.12997	0.791031	0.90476
Atp5md	-0.01764	0.790942	0.904728
Snrnp35	-0.06293	0.790866	0.90471
Hsbp1l1	-0.07953	0.790858	0.90471
Gm42991	-0.11708	0.790476	0.904541
Rcl1	-0.07143	0.789858	0.903972
Vcpkmt	-0.06449	0.789601	0.903939
Mbip	-0.04573	0.789206	0.903708
Gm37255	-0.11226	0.789085	0.903639
Fam120a	-0.02311	0.788972	0.903639
Tmem41a	-0.06969	0.788936	0.903639
Tmem240	-0.0942	0.788872	0.903639
Phf12	-0.03154	0.78887	0.903639
Srd5a3	-0.06567	0.788728	0.903639
Polr3e	-0.06259	0.788692	0.903639
Synpo2	-0.03325	0.788485	0.903639
Crtap	-0.02288	0.788185	0.903462
Il17rd	-0.03618	0.787909	0.903399
1300014J1	-0.18546	0.787493	0.903195
Gm18029	-0.19991	0.787052	0.90283
Sufu	-0.05367	0.786177	0.90245
Sin3a	-0.0324	0.786012	0.902329
Coa3	-0.02456	0.785862	0.902226
Tmem45a	-0.07433	0.785842	0.902226
Gm7324	-0.19412	0.785754	0.902226
Champ1	-0.05408	0.785571	0.9021
Plekhn1	-0.10438	0.785093	0.901619

Thada	-0.07266	0.784951	0.901526
Abcb7	-0.05316	0.784391	0.90109
Hnrnpa3	-0.01528	0.784278	0.90109
Btrc	-0.04579	0.783706	0.90068
Gm44695	-0.17874	0.782724	0.899865
Ddit3	-0.03841	0.782696	0.899865
Ccl9	-0.36605	0.782592	0.899852
Tbp	-0.04909	0.782482	0.899842
Crif1	-0.17108	0.782138	0.899675
Cfap74	-0.21078	0.781862	0.899612
Gnptg	-0.04253	0.781686	0.8995
Gm49602	-0.05989	0.781647	0.8995
Polrmt	-0.08125	0.781612	0.8995
Gm13570	-0.17154	0.781402	0.8995
Stx5a	-0.02899	0.781401	0.8995
Crppa	-0.16594	0.780925	0.899371
Swt1	-0.0284	0.780526	0.898995
Sorcs1	-0.10806	0.780406	0.898968
Gm13423	-0.18305	0.780311	0.898955
Gm15535	-0.30811	0.780012	0.898679
Gpat3	-0.24672	0.779699	0.898525
Serping1	-0.04226	0.779592	0.898473
Med21	-0.02582	0.779518	0.898456
Sap30	-0.04892	0.778893	0.898012
Grin1	-0.3471	0.778693	0.89799
Dars2	-0.08303	0.778538	0.89788
Ube4bos1	-0.15938	0.778335	0.897715
Ccnq	-0.04616	0.778048	0.897557
Gm45220	-0.07489	0.777614	0.897298
A930007I1	-0.25395	0.777438	0.897164
Gstcd	-0.09219	0.777401	0.897164
Nexn	-0.11352	0.777343	0.897164
6330408M	-0.15395	0.777217	0.897139
Prim1	-0.09306	0.776961	0.896959
Ndufs1	-0.03883	0.77669	0.896716
2810405F1	-0.12583	0.776505	0.89664
Cep20	-0.0409	0.775904	0.896194
Tmem167I	-0.04489	0.775863	0.896194
B130024G	-0.07809	0.775803	0.896194
Ftx	-0.1082	0.775104	0.895644
Fam168b	-0.02871	0.774904	0.895551
Zfp300	-0.11754	0.774796	0.895551
Brpf1	-0.04459	0.774769	0.895551
Cryba2	-0.15191	0.774706	0.895551
Mad1I1	-0.06872	0.774577	0.895518
F630040K1	-0.13943	0.774439	0.895429
D830025C	-0.12694	0.773997	0.895194

Mospd2	-0.03644	0.773501	0.894758
Luc7l	-0.03067	0.773454	0.894758
Gm38375	-0.19619	0.773233	0.894725
Gm29560	-0.14925	0.773221	0.894725
5033417F1	-0.24076	0.772429	0.894278
Xrcc6	-0.07844	0.772272	0.894262
Ten1	-0.06459	0.772097	0.894209
Ndc1	-0.09557	0.772055	0.894209
A230083N	-0.23923	0.771586	0.893924
Prkag1	-0.03673	0.771468	0.893924
Atp5j2	-0.01517	0.770954	0.89363
Chmp2a	-0.01887	0.77073	0.893555
Gm38097	-0.33898	0.770433	0.893349
Gpatch11	-0.03974	0.770202	0.89322
Hecw1	-0.29742	0.770033	0.893162
Sesn2	-0.11203	0.769776	0.893072
Prelid3a	-0.27487	0.7696	0.89297
Fbxo31	-0.06048	0.769059	0.892517
Rpgrip1l	-0.08653	0.769029	0.892517
Usp8	-0.03393	0.768858	0.892482
BC030343	-0.40721	0.768236	0.892064
Sbsn	-0.41559	0.768125	0.892064
Taz	-0.03577	0.768006	0.892064
Mdm2	-0.03806	0.76786	0.892064
Ap2b1	-0.0273	0.767471	0.891779
H4c3	-0.13278	0.76738	0.891779
Gckr	-0.11824	0.7673	0.891779
Ripk4	-0.24906	0.766979	0.891485
Gm48768	-0.1074	0.766847	0.8914
Rxrb	-0.04072	0.766796	0.8914
Qdpr	-0.03195	0.766019	0.890852
Gm43622	-0.25797	0.765947	0.890852
Ets2	-0.02677	0.765762	0.890836
Stard8	-0.02873	0.765609	0.890836
Soga3	-0.21543	0.765442	0.890836
Gnl3l	-0.04054	0.765381	0.890836
AU022252	-0.05488	0.76521	0.890811
Klhl17	-0.1555	0.765182	0.890811
Accs	-0.11951	0.764902	0.89073
Gm37485	-0.40128	0.764681	0.890663
Sec16a	-0.04205	0.764555	0.890602
Gm12940	-0.07194	0.764517	0.890602
Pcbp4	-0.03347	0.764407	0.890602
Tm9sf4	-0.03515	0.764045	0.89035
Ctsf	-0.04194	0.76401	0.89035
Firre	-0.05772	0.763813	0.89035
Zkscan7	-0.09062	0.763759	0.89035

Lrrc27	-0.19771	0.763387	0.890073
Gm13583	-0.43225	0.763292	0.890073
Trim11	-0.05769	0.763255	0.890073
Ccnb2-ps	-0.25964	0.763222	0.890073
Ak1	-0.12527	0.76316	0.890073
Tacc2	-0.05509	0.763091	0.890073
Slc30a6	-0.08502	0.762822	0.890073
Hspa14	-0.03944	0.762452	0.889815
Atxn7l1	-0.06371	0.762299	0.88975
Cyp4v3	-0.08237	0.762206	0.889735
Daglb	-0.06606	0.761588	0.8895
Wipf1	-0.04462	0.761478	0.88944
Kif5a	-0.13853	0.761254	0.889318
Foxs1	-0.0562	0.760616	0.888849
Scarf2	-0.06919	0.760567	0.888849
Camsap1	-0.03895	0.760365	0.888764
Nupl2	-0.13168	0.760171	0.888607
Gm48706	-0.24052	0.759832	0.888349
Gng3	-0.15219	0.759746	0.888349
Cbl	-0.02969	0.759376	0.888094
D2hgdh	-0.09925	0.759234	0.887998
Ttll3	-0.10032	0.759131	0.887946
Ankrd35	-0.30924	0.758783	0.887886
Gm44835	-0.19849	0.758541	0.887742
Gm29562	-0.29349	0.75845	0.887704
Atp6v1e1	-0.02645	0.75841	0.887704
Zc3h10	-0.06681	0.757945	0.887355
Tfap4	-0.08581	0.75753	0.886974
Gm38071	-0.25611	0.757479	0.886974
Mrpl55	-0.04666	0.757456	0.886974
Usp28	-0.10667	0.75708	0.886864
Dbnl	-0.04111	0.756723	0.886723
D630045J1	-0.12033	0.755954	0.886168
Gm44623	-0.23025	0.755454	0.88579
Adamts18	-0.32884	0.755107	0.885553
Cep70	-0.06595	0.755093	0.885553
Pkd2	-0.02981	0.75482	0.885394
Usp16	-0.03785	0.754811	0.885394
Tollip	-0.04195	0.754179	0.885058
Mink1	-0.03436	0.754062	0.884993
Rasa1	-0.03047	0.753928	0.884993
Lptm4b	-0.03537	0.753649	0.884921
Rnft1	-0.05594	0.753273	0.884619
AA986860	-0.17492	0.752838	0.884316
Gm37320	-0.13924	0.752339	0.88396
Uhrf1bp1l	-0.06582	0.752254	0.88396
Wars2	-0.09665	0.750928	0.883041

Gm41760	-0.24715	0.750908	0.883041
Prr7	-0.08941	0.75089	0.883041
Slc49a4	-0.04838	0.750658	0.883041
Catsper4	-0.48656	0.749955	0.882522
Gm41077	-0.33608	0.749753	0.882492
Tbl3	-0.07177	0.749689	0.882486
Uty	-0.05874	0.749373	0.882253
Gm14305	-0.09636	0.749015	0.881971
Snx7	-0.07033	0.748577	0.881662
Ccdc69	-0.14034	0.748394	0.881516
E130308A	-0.07035	0.748245	0.881479
Gm4792	-0.12513	0.748204	0.881479
Ptcd2	-0.04681	0.747953	0.881274
H4c14	-0.16062	0.747513	0.881171
Ptcd3	-0.06024	0.747468	0.881171
Elmod3	-0.08794	0.747385	0.88116
Galk2	-0.09484	0.747068	0.880925
Cd164	-0.02816	0.747041	0.880925
Raver2	-0.1285	0.746845	0.88087
Dtwd2	-0.12477	0.746456	0.880665
Gm37215	-0.15205	0.746115	0.880426
Gpr137b-p	-0.0815	0.745965	0.880387
Zkscan4	-0.137	0.745875	0.880387
Car10	-0.315	0.745683	0.880286
Rnf122	-0.09572	0.74553	0.880286
Zmym3	-0.06974	0.745282	0.880275
Mcm4	-0.06822	0.745162	0.880202
Atr	-0.05992	0.745153	0.880202
Lars	-0.04099	0.744911	0.880044
Sbf1	-0.05253	0.744872	0.880044
Zbtb49	-0.10952	0.744715	0.880021
Lrfrn3	-0.13608	0.744587	0.87994
Cadm1	-0.03191	0.744157	0.87957
Gpam	-0.07534	0.743977	0.879496
Ciao2b	-0.03263	0.743904	0.87948
Skiv2l	-0.0568	0.743791	0.87948
Fra10ac1	-0.05089	0.743757	0.87948
Gm21092	-0.21665	0.743404	0.879305
Rbm15	-0.05061	0.743205	0.87916
Zfp879	-0.24785	0.743077	0.87916
Gm38340	-0.13018	0.742914	0.879142
Mgat5	-0.06769	0.742881	0.879142
Dusp12	-0.07016	0.742824	0.879142
Dpy19l4	-0.04668	0.742801	0.879142
Rnf182	-0.31266	0.741973	0.878584
Ssb	-0.02175	0.741706	0.878338
Lipo3	-0.10449	0.741612	0.878336

Lpcat2	-0.11617	0.741338	0.87811
Rsph10b	-0.23647	0.741239	0.87811
Tars2	-0.07102	0.74085	0.87788
Pum1	-0.02636	0.74034	0.877553
Zfp804a	-0.48204	0.740075	0.877378
Klhl22	-0.07907	0.739961	0.877378
Clcn5	-0.13155	0.739932	0.877378
Crif3	-0.038	0.739529	0.877078
Gm26510	-0.11366	0.739494	0.877078
Trip12	-0.02779	0.738782	0.876635
Dcdc2a	-0.12339	0.737713	0.875982
Adal	-0.08979	0.737288	0.875865
Dnai2	-0.32785	0.737284	0.875865
Pip4k2c	-0.04705	0.737032	0.875781
Gfap	-0.19209	0.736125	0.874911
Gm42585	-0.13947	0.735917	0.874735
Pinx1	-0.0787	0.735558	0.874446
2410124H	-0.34704	0.735432	0.874435
Frg1	-0.03998	0.735235	0.874409
Chst10	-0.23614	0.734861	0.874172
Gm4221	-0.32391	0.734646	0.873986
Dhcr7	-0.10323	0.734371	0.873729
Tmem199	-0.06799	0.73403	0.873498
Mettl5	-0.06177	0.732941	0.872721
Mrtfa	-0.08978	0.732789	0.87261
Gm45447	-0.28781	0.732742	0.87261
Dennd6b	-0.10302	0.731967	0.871978
Ric8b	-0.05144	0.731775	0.871887
Fastkd5	-0.12093	0.731481	0.871746
Sprtn	-0.07112	0.731409	0.871729
Ensa	-0.03401	0.731191	0.871608
Armc2	-0.28086	0.731185	0.871608
Slc22a30	-0.38223	0.731131	0.871608
2810402E	-0.07815	0.730736	0.871608
Cox15	-0.09685	0.730683	0.871608
Sat2	-0.15024	0.730578	0.871599
Cdca4	-0.08944	0.730574	0.871599
Zdhhc3	-0.04326	0.730529	0.871599
Samd15	-0.18533	0.730495	0.871599
Gga2	-0.0906	0.730481	0.871599
Zfyve26	-0.07546	0.729983	0.871486
B4galt2	-0.08851	0.729889	0.871486
9530097N	-0.15527	0.729541	0.871166
Nap1l2	-0.26694	0.72943	0.871166
Nthl1	-0.07062	0.729398	0.871166
Pcid2	-0.07097	0.729311	0.871166
Rab43	-0.11585	0.729249	0.871165

Wdhd1	-0.1398	0.729177	0.871165
Safb	-0.03479	0.729015	0.871098
Zfp169	-0.16368	0.728891	0.871098
Sec61a2	-0.06697	0.728675	0.871098
Hira	-0.07003	0.72866	0.871098
Aatf	-0.07167	0.7284	0.871098
Tango2	-0.08474	0.728384	0.871098
Ufd1	-0.04329	0.727276	0.870233
Aif1	-0.46578	0.727137	0.870233
Hacd3	-0.05258	0.727095	0.870233
Epb41l1	-0.08007	0.727067	0.870233
Gm6222	-0.1733	0.726875	0.870134
Khsrp	-0.04389	0.726483	0.869804
Dennd10	-0.04733	0.726348	0.869782
Gm45221	-0.07955	0.725886	0.869476
Olfm4	-0.12929	0.725786	0.869456
Gm42446	-0.29372	0.725511	0.869254
9230112E	-0.24586	0.725461	0.869254
Unc13b	-0.0312	0.725367	0.869254
Pear1	-0.0383	0.72532	0.869254
Dcp1a	-0.07248	0.725221	0.869254
4930404N	-0.2926	0.725035	0.869183
L3mbtl2	-0.07954	0.724809	0.868982
Rbm28	-0.04273	0.724535	0.868794
Rpl36-ps2	-0.13634	0.72442	0.868794
Gm42669	-0.52528	0.723792	0.868249
Twsg1	-0.0502	0.723537	0.868012
Abhd14b	-0.04948	0.72342	0.868011
Prag1	-0.08847	0.723243	0.867971
Usp5	-0.06138	0.72322	0.867971
Csnk1g1	-0.04186	0.722878	0.867709
Ebag9	-0.0659	0.722409	0.867333
Rusf1	-0.11049	0.721148	0.866396
Zfr2	-0.14209	0.721142	0.866396
Tesk1	-0.05722	0.721049	0.866396
Tjap1	-0.07531	0.720771	0.866396
Appbp2	-0.0361	0.720257	0.866088
Gm38043	-0.15412	0.720168	0.866088
Cdc7	-0.11954	0.720076	0.866088
Cul5	-0.03538	0.719962	0.866088
Nsun2	-0.05611	0.71996	0.866088
Zrsr2	-0.03842	0.719958	0.866088
Chchd7	-0.04475	0.719917	0.866088
Acap3	-0.08651	0.719556	0.866012
Slc39a3	-0.06583	0.719331	0.865968
Crtc2	-0.05814	0.719262	0.865968
Gm44702	-0.35914	0.71916	0.865953

Eloa	-0.04801	0.719073	0.865918
Zfp280c	-0.08953	0.718823	0.865839
Snx15	-0.05431	0.718646	0.865822
Dph2	-0.14325	0.718492	0.865706
Gm48254	-0.21378	0.718349	0.865603
Kctd3	-0.07616	0.718129	0.86555
Peak1	-0.03389	0.717628	0.865153
Fam50a	-0.04477	0.717572	0.865153
C77080	-0.1623	0.716931	0.864934
Mras	-0.06771	0.716682	0.864778
Mcee	-0.04446	0.716421	0.864672
Phf6	-0.06292	0.716415	0.864672
Syngn3	-0.27587	0.715999	0.864371
Itsn1	-0.05965	0.715883	0.86431
Gm8184	-0.24615	0.715702	0.864222
Gm37864	-0.26577	0.715564	0.864147
Gm49538	-0.21204	0.715548	0.864147
Lamc1	-0.02809	0.715269	0.864047
Znfx1	-0.04055	0.714451	0.863135
Gm20633	-0.34941	0.714402	0.863135
Gm10800	-0.27622	0.714206	0.863135
Saal1	-0.09793	0.714153	0.863135
5430405H	-0.07732	0.714122	0.863135
Pacs1n1	-0.09458	0.714065	0.863135
Lfng	-0.07212	0.713963	0.863135
Arrdc3	-0.07041	0.713928	0.863135
Fam161b	-0.17044	0.713556	0.862954
Zim1	-0.381	0.71329	0.862841
Hepacam	-0.21682	0.713234	0.862841
Gm53055	-0.11402	0.713023	0.862727
Ehhadh	-0.20836	0.712178	0.861983
Zfp523	-0.0756	0.71146	0.861322
Krr1	-0.05045	0.711409	0.861322
2310057N	-0.08282	0.711155	0.861232
Pom121	-0.049	0.710398	0.860803
Maneal	-0.158	0.71034	0.860803
Tafa4	-0.2455	0.710256	0.86077
Trak2	-0.04077	0.710177	0.860744
Rab40b	-0.15688	0.709976	0.860698
Gm47863	-0.14656	0.709884	0.860698
Noa1	-0.10861	0.70916	0.860486
Ap3b2	-0.12208	0.709104	0.860486
Tmem9b	-0.04377	0.709105	0.860486
Gm6345	-0.35913	0.708961	0.860486
Cog3	-0.07738	0.708812	0.860486
Prpsap1	-0.0483	0.708678	0.86046
8430422N	-0.1629	0.708601	0.86046

Srpk1	-0.03925	0.708286	0.860263
Gatb	-0.14165	0.708063	0.860131
Gm10461	-0.20041	0.707901	0.860004
Arih1	-0.03725	0.707862	0.860004
Bmpr1b	-0.3987	0.707499	0.859795
Ap3b1	-0.04653	0.70734	0.859703
Fam189b	-0.12409	0.707158	0.85959
Gm26779	-0.3691	0.707009	0.859479
Gm13092	-0.22945	0.706917	0.859437
B4galt7	-0.09909	0.706867	0.859437
Tbxa2r	-0.07383	0.706622	0.859357
Mrpl45	-0.06935	0.706399	0.859156
Mrps27	-0.10333	0.706381	0.859156
Tmem68	-0.07925	0.706244	0.859106
Ltv1	-0.08352	0.706072	0.858967
Gm19445	-0.1741	0.706016	0.858967
Sdsl	-0.21402	0.705798	0.858774
Zscan29	-0.08555	0.705677	0.858696
Nipbl	-0.02399	0.705615	0.858693
Tbc1d10b	-0.06168	0.705422	0.858599
2010109A	-0.26293	0.705214	0.858482
Ccdc130	-0.11043	0.704979	0.858265
Zfp354a	-0.08753	0.704874	0.858249
2700049A	-0.07836	0.704829	0.858249
Pcp4	-0.12343	0.70468	0.85818
Npepl1	-0.04654	0.704612	0.858167
Camkv	-0.35042	0.70455	0.858162
Tasp1	-0.1056	0.704526	0.858162
Zfp110	-0.05976	0.704412	0.858162
Neto2	-0.32367	0.704195	0.858078
Cbx3	-0.02739	0.704127	0.858065
Cyp27a1	-0.17308	0.704053	0.858045
Bclaf3	-0.06355	0.703373	0.857599
Gm3052	-0.38062	0.703319	0.857599
B430010I2	-0.04736	0.703009	0.857599
Tmem223	-0.044	0.702536	0.857313
Zfp97	-0.23979	0.702045	0.856923
Tti2	-0.09453	0.701981	0.856915
Adgrb2	-0.25101	0.701944	0.856915
Btbd8	-0.12054	0.700622	0.855674
Naa10	-0.05703	0.700235	0.855341
Gm42872	-0.51408	0.700035	0.855307
Tmem177	-0.14842	0.699515	0.854811
Pgrmc2	-0.03836	0.699371	0.854774
Dlgap1	-0.20923	0.69925	0.854696
Bmp4	-0.12189	0.69885	0.854417
Inpp5b	-0.06498	0.698796	0.854417

Gm19412	-0.19451	0.69869	0.85436
Cfap126	-0.30752	0.698526	0.854328
Dner	-0.3478	0.69837	0.854328
Ppfia3	-0.28373	0.698273	0.854328
Nup37	-0.11081	0.698036	0.854188
Umad1	-0.11269	0.697653	0.85393
Pold3	-0.06788	0.697121	0.853696
Gsap	-0.15718	0.697018	0.853641
Tpd52l1	-0.07571	0.696879	0.85354
Naa40	-0.07657	0.696716	0.85348
Eif3d	-0.03647	0.696686	0.85348
B130055N	-0.22943	0.696602	0.85348
Cntnap2	-0.13614	0.69617	0.853374
Arid3b	-0.09425	0.696025	0.853331
Gm19705	-0.12273	0.695933	0.853288
Gpr152	-0.13882	0.695095	0.852471
Gm50273	-0.39491	0.694793	0.852263
1190005I0	-0.08936	0.694812	0.852263
Mex3d	-0.08242	0.694598	0.85221
Cmss1	-0.07968	0.694444	0.852091
Taco1	-0.153	0.694331	0.852046
Zfp445	-0.04101	0.694312	0.852046
Eif4ebp2	-0.03485	0.694185	0.852046
Eya3	-0.08034	0.694107	0.852046
Abcb10	-0.0754	0.693946	0.852039
Ap4e1	-0.09437	0.69392	0.852039
Cplx3	-0.13694	0.693649	0.851884
Zfp763	-0.10414	0.693083	0.851394
Slco4a1	-0.09147	0.692851	0.851294
Gm27029	-0.33143	0.692339	0.850897
Virma	-0.04979	0.692279	0.850897
Klhdc4	-0.08982	0.691734	0.850438
Tomm70a	-0.04348	0.691334	0.850157
D130020Li	-0.1592	0.691258	0.850133
Rragd	-0.14799	0.69118	0.850106
Las1l	-0.05065	0.691087	0.850106
Casq2	-0.04294	0.690967	0.850106
Gm50010	-0.18709	0.690066	0.849224
Cycs	-0.03746	0.689873	0.849196
Timm10	-0.07594	0.68987	0.849196
Nlk	-0.04768	0.689509	0.848958
Sptssa	-0.02836	0.689431	0.848932
Mtcl1	-0.07937	0.689023	0.848709
Dmtn	-0.15227	0.688975	0.848709
Akr1b3	-0.05038	0.688863	0.848709
Eea1	-0.0369	0.68872	0.848709
Mvb12b	-0.06493	0.688688	0.848709

D8Ert738	-0.02547	0.688399	0.848498
Hpca	-0.36629	0.68836	0.848498
Smim24	-0.15293	0.688357	0.848498
Dzip1	-0.13425	0.688288	0.848498
Stx18	-0.07476	0.687969	0.848387
5330438D	-0.13426	0.687888	0.848387
Thap1	-0.10605	0.687882	0.848387
Appl2	-0.0739	0.687693	0.848326
Farp2	-0.13022	0.687369	0.848067
Cfap61	-0.39818	0.687311	0.848065
Fads3	-0.07953	0.686433	0.847471
E130102H	-0.06882	0.686359	0.847448
Nop9	-0.08822	0.686329	0.847448
Rbm17	-0.04774	0.686258	0.847448
Gm20342	-0.09084	0.685764	0.846994
Ftl1-ps1	-0.13527	0.685639	0.846954
Acad11	-0.10437	0.685255	0.846714
Spata13	-0.0537	0.685243	0.846714
MIh1	-0.12521	0.685242	0.846714
Gm10857	-0.51501	0.685152	0.846714
Trp53rka	-0.07569	0.685198	0.846714
Kdm3b	-0.05987	0.685003	0.846714
Ankrd17	-0.03345	0.684784	0.846552
Gpr161	-0.13134	0.684693	0.846509
Sdhaf3	-0.10123	0.68453	0.846437
Ash2l	-0.05954	0.684165	0.846185
Amt	-0.14308	0.683622	0.845788
Gm48838	-0.14299	0.683511	0.845765
Gm47963	-0.21331	0.68343	0.845765
Fbln5	-0.15345	0.683032	0.845503
Armcx5	-0.07324	0.682871	0.845503
Gm10069	-0.31417	0.682822	0.845503
Atp2a2	-0.02942	0.682787	0.845503
Rsl24d1	-0.05681	0.682749	0.845503
Gm42918	-0.28097	0.682407	0.845358
A730017L	-0.1911	0.682279	0.84527
Inip	-0.07756	0.681414	0.844477
MIlt11	-0.13186	0.681339	0.844455
Gm45286	-0.34519	0.681251	0.844415
Rd3l	-0.18955	0.680813	0.843943
Ccdc150	-0.49205	0.680733	0.843913
Atg13	-0.07042	0.680251	0.843597
Ppp1r12b	-0.06304	0.679521	0.843158
Cep152	-0.15641	0.678929	0.842653
Abhd4	-0.05936	0.678516	0.842403
BC055402	-0.09363	0.678327	0.842325
Prkcq	-0.39099	0.678104	0.842257

Hpcal4	-0.2792	0.677841	0.842001
Platr1	-0.62995	0.677757	0.841967
Sap30bp	-0.06234	0.677736	0.841967
Siah1b	-0.14664	0.67771	0.841967
Bod1	-0.0439	0.677305	0.841876
Gm42445	-0.6025	0.677051	0.841669
Abcd4	-0.07477	0.677068	0.841669
Reep3	-0.02287	0.677015	0.841669
Katnal1	-0.09278	0.67669	0.841479
Urm1	-0.06402	0.676689	0.841479
Cx3cr1	-0.29721	0.676206	0.841228
Fpgt	-0.0992	0.676233	0.841228
Car14	-0.07745	0.676161	0.841228
Polr2c	-0.03773	0.676037	0.841228
Zfp128	-0.19346	0.675972	0.841228
Kif9	-0.25848	0.675755	0.841084
Cradd	-0.0941	0.675688	0.84107
Cenpv	-0.08858	0.675524	0.840952
Pstk	-0.06633	0.675289	0.840784
Thg1l	-0.18501	0.675262	0.840784
Ptpn11	-0.03745	0.67513	0.840752
Gpd2	-0.03088	0.674734	0.840473
Pcdhga12	-0.10738	0.674668	0.840473
Elavl1	-0.04225	0.674654	0.840473
Slc2a13	-0.2299	0.674574	0.840473
Gm37931	-0.34045	0.674011	0.840095
Yme1l1	-0.04036	0.674026	0.840095
1700007K	-0.37758	0.673976	0.840095
Ap1b1	-0.06605	0.673856	0.840095
BC002059	-0.11035	0.673657	0.839953
Pusl1	-0.13529	0.673583	0.839953
Jpt2	-0.16347	0.673327	0.839953
Rnf166	-0.06311	0.672819	0.839664
Wdr11	-0.07012	0.672768	0.839664
Wbp11	-0.0382	0.672326	0.839328
Tmem138	-0.0959	0.672227	0.839295
H2ac20	-0.18573	0.672071	0.839295
Gm44432	-0.13575	0.671901	0.839287
Bcap31	-0.0339	0.671695	0.839171
Mrpl39	-0.08487	0.671478	0.83911
Ap4b1	-0.13071	0.671465	0.83911
Fzr1	-0.08794	0.671356	0.83911
Psmc4	-0.04141	0.671215	0.83911
Lztr1	-0.08174	0.670531	0.838556
Ptar1	-0.05395	0.670512	0.838556
Coq6	-0.10374	0.670115	0.838246
Zfp81	-0.09193	0.669951	0.83811

Pgbd1	-0.35035	0.669814	0.83808
Gm28661	-0.21221	0.669762	0.83808
Cacna2d2	-0.18611	0.669713	0.83808
Ccdc86	-0.10089	0.66889	0.837273
Snape4	-0.14433	0.668787	0.837214
Gm44430	-0.5864	0.66869	0.837182
Pnmal2	-0.13218	0.66859	0.837182
Psmb3	-0.03026	0.66857	0.837182
Prkd1	-0.09267	0.668548	0.837182
Ercc6	-0.09498	0.668392	0.837182
Braf	-0.04761	0.667644	0.836553
Sacm1l	-0.05668	0.667306	0.836339
Fbxl6	-0.07029	0.667058	0.836099
Thumpd3	-0.0849	0.667034	0.836099
Ppfia2	-0.1381	0.667011	0.836099
Hs3st4	-0.4552	0.666986	0.836099
3830406C	-0.05551	0.666419	0.835857
Smyd5	-0.15231	0.66593	0.835524
Timm9	-0.06934	0.665789	0.835524
Usp43	-0.12476	0.665306	0.835094
Zfp719	-0.12491	0.665309	0.835094
Mkl	-0.13086	0.664897	0.834788
Etaa1os	-0.22722	0.66485	0.834788
Ncoa4	-0.05127	0.664605	0.834631
Evl	-0.05687	0.664589	0.834631
9330159N	-0.17285	0.664532	0.834631
Msh3	-0.0818	0.664091	0.834265
Pdcd2	-0.08232	0.663613	0.833844
Cuta	-0.03749	0.663556	0.833844
Ric8a	-0.05948	0.663394	0.833739
Rbms1	-0.02546	0.663359	0.833739
Lat	-0.50696	0.663299	0.833739
Pdzd7	-0.38814	0.663224	0.833736
Tbc1d5	-0.07465	0.662955	0.833537
Brd3	-0.04353	0.662763	0.833366
Lbhd1	-0.09749	0.662702	0.833359
Vezt	-0.07097	0.662685	0.833359
Uba7	-0.0712	0.662637	0.833359
Hcfc1r1	-0.03818	0.662583	0.833359
Nhs	-0.10976	0.662383	0.833272
Stam2	-0.05885	0.662303	0.833272
Gm26782	-0.08811	0.662098	0.83316
Msl2	-0.04763	0.662031	0.833146
Plpp5	-0.07338	0.661895	0.833114
Vax2os	-0.04447	0.661708	0.833019
4833418N	-0.16137	0.661442	0.832824
Hexa	-0.06713	0.660719	0.832124

Cldn23	-0.42303	0.660684	0.832124
Uvrag	-0.04973	0.660279	0.83185
Gpbp1	-0.04056	0.66026	0.83185
Ube2v1	-0.13177	0.660155	0.831834
Atf2	-0.04695	0.660145	0.831834
Tle6	-0.45633	0.65995	0.831785
Tcf25	-0.02698	0.659804	0.831741
4633401B	-0.20651	0.659688	0.831665
Taf1c	-0.1252	0.659666	0.831665
Gm6658	-0.3323	0.659665	0.831665
Fhit	-0.37996	0.659385	0.831563
Apba2	-0.27383	0.658974	0.831254
Lmnb1	-0.08719	0.658748	0.831109
Lca5	-0.09491	0.658486	0.830919
Gm37436	-0.16307	0.658091	0.830561
Mrps33	-0.0347	0.65795	0.830452
Saxo2	-0.18874	0.657691	0.830336
Pip5k1b	-0.08848	0.657548	0.830296
Cox19	-0.06589	0.657244	0.830192
Kdm1b	-0.13059	0.657212	0.830192
Rsbn1	-0.04436	0.657158	0.830192
Pofut1	-0.0682	0.657115	0.830192
Gm8738	-0.20703	0.657035	0.830192
Chac2	-0.119	0.656927	0.830192
Socs6	-0.07483	0.656833	0.830192
Gm48298	-0.30471	0.656469	0.82993
Vps26b	-0.0994	0.656483	0.82993
Lgi4	-0.28019	0.656328	0.829874
Pdpr	-0.11084	0.656037	0.829674
Zan	-0.27525	0.655856	0.829674
Fitm2	-0.09875	0.65521	0.829511
Trpc1	-0.07813	0.655053	0.829453
Fez1	-0.11801	0.654932	0.82944
Bicd2	-0.04764	0.654835	0.82944
Acp1	-0.0446	0.654687	0.82941
Lama5	-0.04499	0.654628	0.829406
Gtf3c2	-0.05555	0.654522	0.829342
Fnip1	-0.06167	0.654505	0.829342
Tcea1	-0.04265	0.653161	0.828037
Nudt12	-0.11685	0.653148	0.828037
Them4	-0.10026	0.653072	0.828037
Dnajc11	-0.08244	0.652905	0.828033
Zfp637	-0.06418	0.652419	0.827794
Tnpo3	-0.05461	0.652407	0.827794
Vegfb	-0.06125	0.651943	0.827544
2610011E	-0.20374	0.651893	0.827544
Mtif2	-0.07524	0.651818	0.827544

Cep164	-0.05575	0.651324	0.82711
Gatc	-0.09329	0.651054	0.8271
Gm42895	-0.19398	0.650994	0.8271
Zc3h15	-0.04175	0.650676	0.826848
Gm47773	-0.48207	0.650373	0.826532
Trmt12	-0.13852	0.649783	0.82599
A030005L	-0.2863	0.649098	0.825417
Ddx23	-0.06269	0.648528	0.824888
Fbln1	-0.30818	0.648498	0.824888
Gm37474	-0.05173	0.648485	0.824888
4933417C	-0.28225	0.648443	0.824888
Slc25a35	-0.16114	0.648288	0.824863
Ccdc61	-0.0994	0.648246	0.824863
Jag1	-0.04357	0.647959	0.824689
5330431K	-0.16997	0.647647	0.824398
Unc5c	-0.2953	0.64726	0.824132
Csnk2a1	-0.04159	0.647155	0.824122
Bves	-0.25634	0.646868	0.823949
Zc3hc1	-0.09535	0.64659	0.823683
Mier2	-0.12974	0.646454	0.823683
Scrn2	-0.09912	0.646187	0.82345
Arid4a	-0.0407	0.645875	0.823193
Rbm41	-0.13464	0.645582	0.82296
Me1	-0.11077	0.644736	0.822255
Clcn2	-0.34481	0.644572	0.822255
Ruvbl2	-0.08574	0.644098	0.821767
Gm4707	-0.17328	0.643897	0.82158
Nup205	-0.11754	0.643577	0.821312
Fbxo22	-0.0574	0.643332	0.82114
Mill2	-0.06258	0.643078	0.820955
Gm7435	-0.33376	0.642958	0.820942
Gm49152	-0.28902	0.642635	0.820684
Fbxl12	-0.07702	0.642646	0.820684
Gja1	-0.04435	0.642598	0.820684
Lzts3	-0.22023	0.642478	0.820684
A730011C	-0.31142	0.641155	0.819408
Rdh8	-0.41603	0.640534	0.818963
Zbtb48	-0.13382	0.640297	0.818801
4632411P	-0.4888	0.639963	0.818591
4930430F	-0.10852	0.639983	0.818591
Smarce1	-0.04986	0.639602	0.818331
Gm6612	-0.22425	0.639453	0.818235
5830448L	-0.17746	0.639303	0.818159
Nptx1	-0.33786	0.639063	0.818114
Zfp758	-0.13317	0.639052	0.818114
Sik2	-0.10098	0.639038	0.818114
Gm42717	-0.37932	0.638842	0.818114

Zfp62	-0.0643	0.638342	0.817628
Rgs2	-0.10622	0.638154	0.817503
Myo1g	-0.69218	0.636883	0.816097
Mcm8	-0.25479	0.636841	0.816097
Ipo9	-0.07585	0.636716	0.816097
Gm45902	-0.21476	0.636538	0.816097
Dtx1	-0.28999	0.636519	0.816097
Mrto4	-0.08159	0.63648	0.816097
Dpf2	-0.05419	0.636356	0.816097
Zc3h11a	-0.13748	0.636174	0.816097
Col4a3	-0.1063	0.636152	0.816097
9930111J2	-0.05405	0.635955	0.816097
Pigc	-0.09001	0.635551	0.815798
D16Ertd47	-0.068	0.634932	0.815249
Emg1	-0.04724	0.634856	0.815249
Psd2	-0.43541	0.634518	0.815095
A130048G	-0.29983	0.633761	0.814548
Gm37407	-0.17265	0.633088	0.813893
Gm45477	-0.18833	0.633072	0.813893
Ccdc88c	-0.08764	0.632868	0.813819
Gm47594	-0.46977	0.632865	0.813819
Rasal2	-0.04159	0.63277	0.813819
Rnf123	-0.08987	0.632732	0.813819
Syt7	-0.07065	0.632274	0.813524
Gm13778	-0.43308	0.631631	0.812927
Chm	-0.06237	0.631193	0.812573
Gm9727	-0.46064	0.631067	0.81248
Adck5	-0.13341	0.630923	0.812434
Aup1	-0.05469	0.630776	0.812315
Itpk1	-0.10461	0.630236	0.81169
Gm44567	-0.13426	0.629934	0.81149
mt-Tw	-0.23421	0.629705	0.811425
Wdr82	-0.0623	0.629589	0.811346
Tk2	-0.09904	0.629465	0.811326
Cib2	-0.19556	0.629391	0.811312
Gm48742	-0.43359	0.629331	0.811312
Crygc	-0.16735	0.629338	0.811312
Wdr53	-0.11456	0.6293	0.811312
Abhd18	-0.09579	0.629226	0.811312
Lgals1	-0.05974	0.628864	0.811312
Sec14l2	-0.23164	0.62887	0.811312
Ints1	-0.09083	0.628662	0.811198
Lims1	-0.03807	0.628423	0.81103
1810059H	-0.17615	0.628309	0.810966
Pi4k2a	-0.08533	0.628258	0.810966
A830052D	-0.44694	0.628032	0.810875
Gm44636	-0.43121	0.627868	0.810732

Ccl3	-0.42167	0.627507	0.810541
Map2k7	-0.07158	0.626938	0.81002
Zfp113	-0.11489	0.62687	0.810002
Gzf1	-0.08087	0.626491	0.809653
Odf3b	-0.13168	0.626425	0.809638
Gm37297	-0.17836	0.626025	0.809399
Sdhaf2	-0.07723	0.625648	0.809108
Usp29	-0.25933	0.625402	0.808944
Dynlt1a	-0.12921	0.625396	0.808944
Gm37529	-0.25293	0.625231	0.808902
Gm43935	-0.48798	0.625086	0.808814
Sertad2	-0.04399	0.625081	0.808814
Gm9844	-0.16531	0.624914	0.808731
0610009E	-0.13011	0.624672	0.808628
Fam221a	-0.23001	0.624546	0.808535
Spns1	-0.09036	0.624273	0.808251
Rufy1	-0.07489	0.624225	0.808251
Rdh5	-0.14256	0.624165	0.808251
Cript	-0.0464	0.624084	0.808251
Neu3	-0.17821	0.624002	0.808251
Cib1	-0.07503	0.623926	0.808251
Slc26a11	-0.17169	0.623669	0.808167
Rab39b	-0.26495	0.623471	0.808037
Xpo7	-0.06388	0.623234	0.807813
Itga7	-0.08505	0.622684	0.807241
A930041C	-0.17342	0.622134	0.806597
Ero1a	-0.06719	0.622129	0.806597
Mosmo	-0.05275	0.621776	0.806412
2410004B	-0.0648	0.621639	0.806305
Slc12a6	-0.0569	0.621633	0.806305
Asap2	-0.06835	0.621468	0.806292
Snx33	-0.13569	0.621337	0.806193
Trmt5	-0.19099	0.621333	0.806193
Pde3b	-0.22266	0.62132	0.806193
Uso1	-0.06732	0.621237	0.806193
Grb2	-0.04695	0.621062	0.80614
Cbx1	-0.03532	0.621035	0.80614
Gm43389	-0.28989	0.620914	0.80614
Gm16701-	-0.401	0.620821	0.80614
A930014D	-0.47774	0.620616	0.806026
Zfp873	-0.19554	0.620532	0.805986
Ddhd1	-0.06324	0.620264	0.805899
Atl1	-0.12652	0.619776	0.805424
Mrps25	-0.06687	0.619746	0.805424
Rpia	-0.09869	0.619652	0.805402
Tmem81	-0.23357	0.619177	0.805051
Smg5	-0.08377	0.619165	0.805051

Gm45176	-0.63883	0.618934	0.804958
Tmem238	-0.07437	0.618745	0.804857
Ctns	-0.12376	0.618603	0.804846
Pdk2	-0.10442	0.617907	0.804042
Nmb	-0.16365	0.617613	0.803729
Gm49096	-0.68308	0.616907	0.80302
Ankrd10	-0.06307	0.616888	0.80302
Vdac3	-0.03827	0.616134	0.802515
Adgrl2	-0.04427	0.616068	0.802515
Crcp	-0.09684	0.616061	0.802515
4933433G	-0.28075	0.61577	0.802447
Ccdc43	-0.08349	0.615591	0.802284
Pomc	-0.11239	0.61534	0.802166
Gm43748	-0.69491	0.6151	0.802062
Gm38344	-0.52793	0.614976	0.802062
Crygd	-0.26214	0.614613	0.801707
Elp6	-0.17656	0.614375	0.801466
Tom1l1	-0.39069	0.614209	0.801459
Daxx	-0.08597	0.614022	0.801424
Pax6os1	-0.26531	0.613872	0.801298
4930513N	-0.30405	0.613733	0.801187
Gm48139	-0.09629	0.613319	0.800778
Hmbox1	-0.05045	0.612839	0.800299
Exo5	-0.17357	0.612679	0.80023
Atp6v1h	-0.06617	0.612573	0.800161
Cfp	-0.24546	0.61236	0.800042
Gm9833	-0.3838	0.612353	0.800042
Kctd2	-0.05918	0.612375	0.800042
Cox20b	-0.62288	0.611986	0.799883
Stx16	-0.0548	0.611938	0.799883
Lsm10	-0.08542	0.611876	0.799883
Gm42658	-0.38098	0.611396	0.799845
Rcsd1	-0.06859	0.611286	0.799806
Ppp2r2b	-0.10052	0.61109	0.799619
Ormdl1	-0.11554	0.610361	0.799027
Gm10136	-0.19561	0.610234	0.799027
Scgn	-0.43021	0.610188	0.799027
Dimt1	-0.10274	0.610044	0.798949
Milr1	-0.43271	0.609926	0.798864
Gm13316	-0.75814	0.609416	0.798462
Phf2	-0.05827	0.609459	0.798462
Pcdhgb8	-0.64596	0.609356	0.798462
Rd3	-0.10181	0.609333	0.798462
Gm9884	-0.8212	0.609167	0.798462
Pitpnm2os	-0.21548	0.609043	0.798405
Zfp612	-0.16459	0.608401	0.797704
Fbxl12os	-0.3442	0.608224	0.797554

Msantd4	-0.06956	0.608233	0.797554
Rab3ip	-0.11244	0.608182	0.797554
Gpkow	-0.09124	0.608025	0.797554
Gm7968	-0.46302	0.607768	0.797363
Lysmd4	-0.13926	0.607525	0.797217
Ppard	-0.0556	0.607233	0.79708
Pask	-0.45069	0.607192	0.79708
Vps37b	-0.07364	0.606885	0.797042
Thap4	-0.11663	0.606824	0.797032
Btbd19	-0.19728	0.606411	0.79677
Large1	-0.11348	0.606221	0.796762
Gm37653	-0.21967	0.605905	0.796664
Tmem164	-0.13285	0.605771	0.796558
Gabbr2	-0.51342	0.605412	0.796366
Pitpnm2	-0.06074	0.604916	0.795985
Bub3	-0.04623	0.60469	0.795985
Mtm1	-0.10539	0.604671	0.795985
Fam13a	-0.10269	0.603685	0.79518
Lrrk1	-0.06586	0.603681	0.79518
1600014C:	-0.31045	0.60332	0.795081
Rab4a	-0.07789	0.60323	0.795081
Gm37978	-0.3546	0.603059	0.795081
Gm34961	-0.34885	0.60243	0.794607
Zfp607a	-0.16516	0.601997	0.794316
Cbfa2t3	-0.03694	0.601933	0.794301
Lrrc56	-0.28117	0.601737	0.794301
Pigw	-0.27501	0.601501	0.794249
Med16	-0.09465	0.601001	0.793911
1700003E:	-0.36418	0.600754	0.79378
Gm11961	-0.12464	0.600136	0.793538
Prkci	-0.09101	0.599894	0.793499
Copg2	-0.08509	0.599253	0.792931
Kcnd1	-0.53961	0.599247	0.792931
Mapre1	-0.03665	0.599079	0.792911
Zswim9	-0.14238	0.598786	0.792664
Dnaaf9	-0.07056	0.59865	0.792553
Rab33b	-0.09032	0.598613	0.792553
Mllt1	-0.10955	0.598307	0.79238
Pdcd11	-0.07936	0.597702	0.791999
Fbxo44	-0.22733	0.597631	0.791975
Slc13a5	-0.36444	0.597333	0.79172
Icmt	-0.06805	0.596933	0.79126
Arfrp1	-0.06821	0.596883	0.79126
Gm35339	-0.33999	0.596845	0.79126
Slc25a47	-0.31122	0.596556	0.79104
Gcsh	-0.07994	0.59621	0.790792
Ddr1	-0.15276	0.595907	0.79053

Frmd3	-0.42063	0.59578	0.79044
Btc	-0.31676	0.595786	0.79044
Hinfp	-0.10687	0.595766	0.79044
Prdm10	-0.15196	0.595596	0.790397
Fuz	-0.11014	0.595364	0.790199
Gm42549	-0.24881	0.595188	0.790136
Gm38057	-0.28794	0.594969	0.790136
Inpp4a	-0.12109	0.594531	0.789824
Rnpep	-0.07968	0.594176	0.78952
Zkscan1	-0.06936	0.593976	0.789367
Naa20	-0.05674	0.593843	0.78926
Gm43011	-0.13533	0.593568	0.789105
Fastk	-0.08404	0.593395	0.789101
Phlpp1	-0.07204	0.593341	0.789101
Gm7628	-0.25126	0.593227	0.789101
Gm4540	-0.39885	0.592995	0.788904
Pdrg1	-0.05924	0.592863	0.788868
2610028D	-0.34307	0.592741	0.788845
Reps2	-0.35074	0.592614	0.788817
Mc1r	-0.30778	0.592575	0.788817
Gm42967	-0.37472	0.592373	0.788636
Aimp2	-0.11264	0.592218	0.78857
Pnpt1	-0.12736	0.591899	0.788216
Gramd1b	-0.08766	0.591781	0.788208
Gm37470	-0.19098	0.591754	0.788208
Zfp410	-0.09336	0.591529	0.788144
Por	-0.06434	0.591314	0.788067
Gm44699	-0.23588	0.59102	0.787815
Mtus2	-0.30716	0.590377	0.787242
Hikeshi	-0.06693	0.590272	0.787242
Alg12	-0.15808	0.590245	0.787242
Slc15a4	-0.1146	0.590198	0.787242
Gm42684	-0.12696	0.590041	0.787242
Hivep3	-0.14778	0.589896	0.787229
Ddx55	-0.10164	0.589779	0.787143
Cd248	-0.07643	0.589533	0.787081
Vps16	-0.0999	0.589101	0.786658
Cenpc1	-0.11621	0.58859	0.786257
Zkscan14	-0.12442	0.587982	0.78566
Dnaaf5	-0.21105	0.58754	0.785276
Gm50107	-0.25795	0.587472	0.785254
2900018N	-0.72522	0.587231	0.785002
Rint1	-0.09617	0.587205	0.785002
Rtel1	-0.19235	0.587196	0.785002
Enho	-0.09882	0.587004	0.784998
Eid1	-0.0367	0.586833	0.784961
Arl5b	-0.08475	0.586705	0.784859

Tut1	-0.14314	0.585961	0.783935
Yipf2	-0.13653	0.585461	0.783616
Fyn	-0.05659	0.585377	0.783573
Fndc10	-0.16734	0.584913	0.783162
Epb41l5	-0.12583	0.584907	0.783162
Timm8b	-0.04798	0.584698	0.783015
2610306V	-0.13306	0.584623	0.782984
Pax6	-0.1129	0.584465	0.782968
5730409E	-0.10334	0.584273	0.782968
Smc5	-0.06693	0.584191	0.782968
Mapre2	-0.06347	0.584107	0.782968
Gm5857	-0.39814	0.584049	0.782968
Gm43857	-0.2438	0.583993	0.782968
Rdh13	-0.18917	0.583471	0.782634
Tenm4	-0.39947	0.583322	0.782572
Gm45250	-0.32591	0.583266	0.782566
Det1	-0.21632	0.583153	0.782485
Gstp-ps	-0.19962	0.582984	0.782328
Dnajc16	-0.13354	0.582966	0.782328
D230049E	-0.24288	0.582796	0.782217
Thoc1	-0.06618	0.582431	0.782077
Kank3	-0.03281	0.582116	0.781864
Ap4m1	-0.10139	0.582097	0.781864
Atp6v1b2	-0.06769	0.581829	0.78179
9630013D	-0.52315	0.581375	0.78136
Gps2	-0.06026	0.581344	0.78136
Wdr83	-0.10038	0.581159	0.781301
Celsr3	-0.26026	0.580845	0.781068
Kmt2b	-0.06712	0.580407	0.780689
2310015A	-0.14602	0.580075	0.780449
Pak1ip1	-0.05086	0.579653	0.780306
Blcap	-0.09468	0.5796	0.780304
Ash1l	-0.03561	0.579585	0.780304
Sox6	-0.23342	0.57915	0.780049
Mtap	-0.08682	0.578968	0.779944
Tmem8b	-0.15959	0.578921	0.779944
Alkbh8	-0.09767	0.578895	0.779944
Gm49883	-0.18167	0.578814	0.779944
Ctsc	-0.09286	0.578705	0.779871
Rbbp5	-0.11506	0.578213	0.779278
Gm38056	-0.29191	0.57812	0.779223
Gm45137	-0.33485	0.577953	0.779181
Rab22a	-0.06112	0.577933	0.779181
Zmym2	-0.06914	0.576687	0.778062
Zbtb2	-0.10332	0.576375	0.777859
Spire2	-0.58591	0.576245	0.777859
Pcyt1b	-0.27647	0.575904	0.777651

Api5	-0.06214	0.575914	0.777651
Gm37258	-0.3143	0.575813	0.777651
Metap1d	-0.1331	0.575737	0.777621
Tceal5	-0.25671	0.575338	0.777223
Fbxo32	-0.09843	0.575121	0.776999
Nemf	-0.0544	0.575043	0.776965
Zfp407	-0.09121	0.574588	0.77656
Ndufb4c	-0.31588	0.574582	0.77656
Dact3	-0.1431	0.574485	0.77656
Copg1	-0.07138	0.574416	0.776538
Klc4	-0.11626	0.574198	0.776454
Mterf3	-0.08705	0.574077	0.77636
Enpp5	-0.09959	0.573967	0.776281
Camkk2	-0.09237	0.573926	0.776281
Guf1	-0.0945	0.573919	0.776281
Ccdc77	-0.15119	0.573484	0.775838
Pacsin3	-0.12176	0.573314	0.775749
1700094D	-0.3603	0.572992	0.775465
Zfp442	-0.17055	0.573001	0.775465
Mfap2	-0.19251	0.57286	0.775453
Zfp618	-0.18914	0.572668	0.775365
Rnf32	-0.29851	0.572645	0.775365
Gm14410	-0.40552	0.572252	0.774954
Mrps31	-0.09412	0.572261	0.774954
Dnmt1	-0.08138	0.571992	0.77487
AI506816	-0.27189	0.57172	0.774572
Gm9993	-0.22023	0.571413	0.774226
Recql5	-0.17635	0.571348	0.774208
Ndufa1	-0.04244	0.571165	0.77404
Rpl21-ps3	-0.42715	0.571054	0.77402
Slc19a1	-0.08861	0.570878	0.773922
Ndufb3	-0.04012	0.57084	0.773922
Fam117a	-0.22826	0.570732	0.773864
9530056E	-0.149	0.570714	0.773864
Notch1	-0.03353	0.570588	0.773864
Slc7a8	-0.22145	0.570542	0.773864
Usp36	-0.08038	0.570307	0.773848
Sema3e	-0.41797	0.569914	0.773384
Flvcr1	-0.15084	0.569908	0.773384
Ubqln1	-0.06348	0.56991	0.773384
Stxbp3	-0.06851	0.569888	0.773384
Get1	-0.12625	0.569555	0.773318
Eif2s1	-0.07271	0.569419	0.773203
Rnf157	-0.12594	0.569325	0.773146
Gm37748	-0.45549	0.569198	0.773114
Pvt1	-0.9413	0.569143	0.773109
Kpna6	-0.08372	0.568539	0.772392

Ttc37	-0.09421	0.568422	0.772392
Gm48562	-0.20589	0.568379	0.772392
Nup155	-0.12465	0.568358	0.772392
Ndufv1	-0.05545	0.568014	0.772207
Mtln	-0.05795	0.567989	0.772207
Cited1	-0.4261	0.567858	0.772204
Tpmt	-0.14866	0.567798	0.772192
Fbxo28	-0.08553	0.567695	0.772123
Adcyap1r1	-0.13796	0.56765	0.772123
Slc6a9	-0.21173	0.567573	0.772097
Ppp1cb	-0.04209	0.567468	0.772095
Grk4	-0.1502	0.567096	0.771799
Smad2	-0.08423	0.566933	0.771713
Gm14443	-0.42863	0.566772	0.771638
1700113A	-0.3251	0.566595	0.771468
A730046J1	-0.62258	0.566286	0.771188
Man2a2	-0.0646	0.566173	0.771104
Gnpnat1	-0.13416	0.565641	0.77052
Gpr137c	-0.151	0.565428	0.770369
Grm3	-0.19193	0.565395	0.770369
Gjd2	-0.17533	0.565135	0.770181
Gm43677	-0.3244	0.565013	0.770084
Gm17021	-0.42735	0.564924	0.770033
Dennd3	-0.0831	0.564919	0.770033
Cluap1	-0.11456	0.564762	0.769953
Gm43768	-0.33538	0.564662	0.769886
Nqo2	-0.12054	0.56462	0.769886
Pcdhga10	-0.22529	0.56395	0.769372
Nsmf	-0.11064	0.563846	0.769334
Sarnp	-0.05129	0.563553	0.769075
Isy1	-0.11452	0.563447	0.769
Ankrd16	-0.13103	0.563292	0.768858
Paqr4	-0.09082	0.563261	0.768858
Emc8	-0.07171	0.56306	0.768682
Fzd1	-0.1695	0.563047	0.768682
Sfmbt1	-0.12439	0.562752	0.768542
Trmt11	-0.10512	0.562551	0.768542
Fcor	-0.45646	0.562489	0.768533
Lypla2	-0.08806	0.562383	0.768458
Hace1	-0.11042	0.562252	0.76842
Zswim1	-0.1512	0.561954	0.768223
Gm43860	-0.461	0.561484	0.767931
Gm24362	-0.39818	0.561394	0.767931
9530077C	-0.24779	0.561185	0.767852
Apex2	-0.16079	0.560416	0.7671
Ccdc117	-0.0902	0.560174	0.766839
Ocr1	-0.09628	0.559909	0.766546

Gm12097	-0.32989	0.559735	0.766379
Arhgef9	-0.13315	0.559339	0.766046
Tmem267	-0.1769	0.559147	0.765854
Fsd1l	-0.09236	0.559099	0.765854
Nscme3l	-0.44065	0.558981	0.765854
Tnrc6c	-0.04526	0.558976	0.765854
Gm47840	-0.50564	0.558909	0.765854
Atp6ap1	-0.05259	0.558781	0.765848
C230035I1	-0.43074	0.55822	0.765285
Tnks1bp1	-0.06868	0.557483	0.764764
Trim67	-0.31208	0.557209	0.764739
4930481B1	-0.49612	0.556966	0.764524
Rnf25	-0.12283	0.556988	0.764524
Khdc4	-0.06981	0.556675	0.764356
Sf3a2	-0.07837	0.55666	0.764356
Dolk	-0.10928	0.556465	0.764277
Ybx2	-0.39796	0.556337	0.76419
Aar2	-0.1036	0.556139	0.764041
AV356131	-0.13393	0.556016	0.763941
Rnft2	-0.25567	0.555791	0.763799
1500012K1	-0.80368	0.555508	0.763628
Ubap2l	-0.04549	0.555504	0.763628
Zfp809	-0.15272	0.555457	0.763628
Armc5	-0.12138	0.555144	0.763585
Zfp444	-0.09349	0.554802	0.763254
Lrrd1	-0.42505	0.55438	0.762954
Usp19	-0.06319	0.554345	0.762954
C1ql3	-0.1894	0.55421	0.76286
Dancr	-0.16999	0.55361	0.762385
Lsm8	-0.0652	0.553415	0.762257
Trim45	-0.23263	0.553269	0.762137
9530082P1	-0.08773	0.553277	0.762137
Atg14	-0.09638	0.553161	0.762137
Zic5	-0.09593	0.55291	0.762052
C330011V	-0.40473	0.552777	0.762008
Ccdc173	-0.18219	0.552729	0.762008
Arl6	-0.08649	0.551536	0.760578
Gm15892	-0.3966	0.551192	0.760244
Flywch2	-0.18696	0.551075	0.760226
Zcwpw1	-0.36856	0.550874	0.760085
Mcrs1	-0.07753	0.550741	0.760041
Chrac1	-0.06262	0.550415	0.759942
Tmem201	-0.11469	0.550291	0.759841
Gm20300	-0.12788	0.550211	0.7598
Zmat1	-0.12859	0.549717	0.759259
Gm29093	-0.33459	0.549656	0.759244
Gm42732	-0.46319	0.549278	0.758863

Cdk5rap1	-0.15558	0.549253	0.758863
Ccar2	-0.12223	0.549087	0.758738
Gpsm1	-0.09384	0.549062	0.758738
Tubgcp2	-0.10951	0.54836	0.75802
Trim16	-0.08265	0.548342	0.75802
Gins4	-0.09973	0.548086	0.757915
Necap1	-0.09723	0.548068	0.757915
Tnfrsf8	-0.63719	0.547739	0.757696
Exoc2	-0.07203	0.547501	0.757526
3110083C	-0.7299	0.547454	0.757526
Tmx2	-0.08448	0.547431	0.757526
Ncoa2	-0.07812	0.547419	0.757526
Cdhr1	-0.07982	0.547352	0.757526
Plgrkt	-0.07334	0.54721	0.757473
Lym4	-0.15403	0.546679	0.75707
Ndufaf6	-0.18088	0.546498	0.757013
Zfp862-ps	-0.10213	0.546438	0.757013
Cant1	-0.08843	0.546396	0.757013
Ccdc91	-0.08685	0.546296	0.757013
Elmod1	-0.14146	0.546251	0.757013
Gm49759	-0.26988	0.546052	0.75692
Slc39a8	-0.06115	0.545585	0.756483
Atg4b	-0.09313	0.545474	0.756431
Slx4ip	-0.15323	0.54511	0.756044
Vps54	-0.07583	0.544953	0.756026
Gm36298	-0.25277	0.544937	0.756026
Gm43462	-0.17809	0.544691	0.755947
Asf1a	-0.08646	0.544572	0.755947
Ktn1	-0.03918	0.544466	0.755911
Lsm14b	-0.10979	0.544153	0.755687
Gm43960	-0.27935	0.54356	0.755214
Gm38014	-0.36528	0.54336	0.755005
Stxbp1	-0.05118	0.543251	0.754924
Ssx2ip	-0.07567	0.543191	0.754924
Ndufb8	-0.04283	0.543101	0.754924
Gm37137	-0.31894	0.542493	0.754431
Rpl19-ps6	-0.46153	0.542418	0.754397
Gm15872	-0.26767	0.542365	0.754393
Swsap1	-0.20146	0.542079	0.754093
Nxf1	-0.08377	0.541903	0.754093
Eif4enif1	-0.0818	0.541886	0.754093
Gramd2	-0.13837	0.541486	0.753661
Klhl41	-0.65422	0.541413	0.753629
E2f6	-0.11877	0.541412	0.753629
Ezh1	-0.05816	0.540875	0.75323
Haus8	-0.19965	0.540838	0.75323
Htt	-0.09525	0.540826	0.75323

Snx19	-0.10379	0.540636	0.753108
Fbxo27	-0.36108	0.540266	0.752802
Cdk7	-0.11011	0.540183	0.752757
Snai2	-0.12839	0.540167	0.752757
Tmed8	-0.11029	0.540149	0.752757
Nefl	-0.2071	0.539899	0.752712
Gm37569	-0.25375	0.539503	0.752403
Nsun6	-0.11611	0.53906	0.752229
Dtx3l	-0.08821	0.539019	0.752229
Gm44856	-0.804	0.538686	0.75186
Foxl2	-0.07717	0.538093	0.751351
Dnah9	-0.47986	0.537912	0.75127
Foxj1	-0.50532	0.537464	0.750854
Plp1	-0.24073	0.537456	0.750854
Scara3	-0.30999	0.5372	0.750741
Aldh16a1	-0.13325	0.536369	0.749745
Lag3	-0.45327	0.536227	0.749616
Dmac1	-0.08458	0.53607	0.749467
Rpl3l	-0.20023	0.535903	0.749373
Lage3	-0.07679	0.535882	0.749373
Tctn2	-0.19961	0.535831	0.749373
P2rx7	-0.22032	0.535792	0.749373
Lins1	-0.26151	0.535789	0.749373
Syf2	-0.04351	0.535469	0.749186
Zfp120	-0.13097	0.535259	0.749016
Gm49156	-0.62116	0.535213	0.749016
Prxl2a	-0.10945	0.535212	0.749016
Phf1	-0.07847	0.535199	0.749016
S100pbb	-0.10239	0.534952	0.749016
Dctn6	-0.0627	0.534898	0.749016
Zmat5	-0.08742	0.534864	0.749016
Washc4	-0.08272	0.534232	0.748575
Dmap1	-0.13177	0.534202	0.748575
Dync2h1	-0.14384	0.533823	0.748282
Ahrr	-0.28192	0.53377	0.748282
Ggcx	-0.17362	0.533602	0.748182
Telo2	-0.18179	0.53339	0.74796
Esf1	-0.05812	0.533319	0.74796
Mtpap	-0.08366	0.533121	0.747858
Mogat1	-0.76085	0.532582	0.747242
Spx	-0.42082	0.532517	0.747242
Dusp10	-0.32292	0.532461	0.747242
Mto1	-0.16013	0.53226	0.747071
Phf24	-0.38048	0.532114	0.746935
Rab11b	-0.04824	0.531639	0.746436
Gm48505	-0.36585	0.531272	0.746436
Prpf8	-0.05451	0.531228	0.746436

Pramel12	-0.16215	0.531172	0.746436
Hacd2	-0.10521	0.531021	0.746436
Pcdhga1	-0.49192	0.530806	0.746337
Mrpl21	-0.07467	0.530605	0.746146
Adgrv1	-0.15806	0.530346	0.745851
Otub1	-0.07435	0.530339	0.745851
Snu13	-0.04844	0.530235	0.745851
Gm38235	-0.31509	0.530213	0.745851
Gm15601	-0.55452	0.529766	0.745456
Pcdhga9	-0.26286	0.529627	0.74543
Ranbp10	-0.10526	0.5293	0.74515
Herc3	-0.08778	0.529227	0.745118
Derl2	-0.07965	0.529032	0.744984
Prkcd	-0.14698	0.52877	0.744824
Pacs1	-0.0793	0.528574	0.744619
Ppp1r16a	-0.1506	0.528477	0.744552
Exog	-0.23804	0.528269	0.744329
Chd3	-0.05654	0.528223	0.744329
Fndc5	-0.46286	0.528145	0.744329
Upp2	-0.13443	0.527692	0.744007
Gm43331	-0.26564	0.527524	0.74384
Ino80e	-0.09708	0.52748	0.74384
Bola3	-0.0689	0.526974	0.743344
Pard6g	-0.12939	0.526914	0.743329
C130023A	-0.25702	0.526769	0.743194
Atoh7	-0.56266	0.526383	0.74279
Ndufab1	-0.06191	0.526038	0.742374
Pmm2	-0.1258	0.525651	0.742243
Gm15859	-0.46236	0.525603	0.742243
Scaper	-0.08723	0.52554	0.74223
Dgcr2	-0.08267	0.524595	0.741363
Echdc3	-0.4603	0.524479	0.741292
Cngb3	-0.41794	0.524466	0.741292
1600023N	-0.81253	0.524366	0.741292
Erlin2	-0.09731	0.524347	0.741292
Itgb1bp2	-0.9387	0.524162	0.741232
Zdhhc2	-0.12246	0.523977	0.741142
Fam193a	-0.0639	0.523331	0.740578
Brd7	-0.07209	0.523186	0.740443
Dynlt1c	-0.26789	0.522811	0.740122
Ing3	-0.09991	0.52278	0.740122
Bbof1	-0.28312	0.52242	0.739847
Gm48225	-0.18447	0.522183	0.739626
Eif2ak1	-0.11945	0.522135	0.739626
Gm42878	-0.52893	0.521857	0.739331
9330162G	-0.10792	0.521704	0.739183
Gm38190	-0.23335	0.52138	0.738806

Dgkg	-0.25113	0.521078	0.738535
1700063JC	-0.56379	0.520966	0.738487
Helq	-0.20417	0.520882	0.738472
Zfp248	-0.15164	0.520869	0.738472
Tmem98	-0.07575	0.520708	0.738472
Stk16	-0.08838	0.520256	0.73817
Dclk1	-0.38187	0.520224	0.73817
D130062J1	-0.19529	0.520104	0.73817
Gpr84	-1.02917	0.519926	0.737992
Tusc3	-0.08169	0.519771	0.737841
Slc6a15	-0.43169	0.519473	0.737628
Gm13665	-0.64973	0.51933	0.737504
Cnot11	-0.10305	0.519336	0.737504
Med9os	-0.32033	0.519099	0.737492
Gm49194	-0.88059	0.518968	0.7374
Paxip1	-0.12445	0.518151	0.736659
Ddb2	-0.19507	0.517974	0.736617
Gm45797	-0.32537	0.517833	0.736545
Sox7	-0.08581	0.517656	0.736376
Ksr1	-0.14138	0.517485	0.736271
Gje1	-0.60994	0.516586	0.735341
Fut11	-0.09369	0.516184	0.734909
Ralgapb	-0.08487	0.515773	0.734463
Snx32	-0.17592	0.515751	0.734463
Pdpk1	-0.08241	0.515694	0.734463
Rny3	-0.36022	0.515527	0.734393
Igdcc4	-0.70738	0.515377	0.73432
Ppp4r2	-0.06524	0.514989	0.733976
Evc2	-0.3015	0.514868	0.733873
Itga9	-0.35971	0.514758	0.733786
Gm9517	-0.79966	0.514727	0.733786
Scg5	-0.10922	0.514431	0.73346
Trim61	-0.86578	0.51411	0.733071
Tyw1	-0.15985	0.513825	0.732875
Pikfyve	-0.10299	0.513688	0.732818
Gm45153	-0.39191	0.513601	0.7328
Zadh2	-0.09353	0.513625	0.7328
B430319G	-0.2585	0.513614	0.7328
Tnpo2	-0.12487	0.513565	0.7328
Usp25	-0.05589	0.513525	0.7328
Gas2	-0.26169	0.513471	0.7328
Tbc1d13	-0.13501	0.513454	0.7328
Rbm12b2	-0.15798	0.513403	0.7328
Gls2	-0.42225	0.513072	0.7328
Ccdc137	-0.15114	0.513101	0.7328
Ppil6	-0.2526	0.512933	0.7328
Kcnd3	-0.55176	0.512891	0.7328

Fbxl19	-0.21238	0.512626	0.732631
Zfp385b	-0.20579	0.512419	0.732546
Neurl4	-0.11974	0.512001	0.732226
Arhgef40	-0.11051	0.511864	0.732223
Dpysl5	-0.43321	0.511813	0.732223
Gm47573	-0.65444	0.511786	0.732223
Zfp74	-0.1215	0.511629	0.732223
Gtf2h3	-0.18151	0.511547	0.732223
Idh3a	-0.09446	0.511303	0.732182
Mrpl18	-0.06852	0.511157	0.732138
Sdha	-0.05016	0.51108	0.732098
Ube2w	-0.08971	0.510772	0.731728
Dnajc2	-0.09246	0.510294	0.731322
Gm9918	-0.26935	0.509875	0.730932
Clcn7	-0.12434	0.509779	0.730863
Fem1b	-0.09159	0.509762	0.730863
Chgb	-0.18521	0.509305	0.730464
Zfp660	-0.20743	0.509242	0.730444
Dtna	-0.21864	0.509061	0.730363
Dmxl2	-0.09361	0.508963	0.730349
2900076A	-0.19292	0.508795	0.730223
Cabp5	-0.38732	0.508543	0.729982
Sec24b	-0.08525	0.508457	0.729957
Ccar1	-0.05897	0.508218	0.729815
Gm5466	-0.55644	0.508017	0.729661
Zbtb6	-0.12275	0.507772	0.729453
Cldn7	-0.63053	0.507601	0.72941
Trdmt1	-0.16031	0.507527	0.729382
Phf3	-0.05637	0.507506	0.729382
Samd4b	-0.07472	0.50741	0.729354
Gm32856	-0.38884	0.507292	0.729323
Ergic1	-0.12191	0.507065	0.729068
Zfp12	-0.15008	0.505913	0.7279
Zfp65	-0.2018	0.505734	0.727712
Cul7	-0.13117	0.505293	0.727281
Ddx10	-0.10308	0.505299	0.727281
Golga2	-0.09656	0.505277	0.727281
Gm43923	-0.13624	0.505268	0.727281
Mrps22	-0.16224	0.504808	0.727079
Gm37307	-0.5973	0.50474	0.727068
Sec22b	-0.07523	0.504752	0.727068
Pitpnm1	-0.0862	0.504501	0.726847
Clrn1	-0.50795	0.504365	0.726831
Dixdc1	-0.08076	0.504315	0.726831
Tmem132	-0.17682	0.50431	0.726831
Phtf2	-0.21534	0.504153	0.726806
Kars	-0.08544	0.504149	0.726806

Lgr4	-0.20116	0.503082	0.72578
Rhot2	-0.10304	0.503024	0.725766
Aqp5	-0.42384	0.502915	0.725678
Gid8	-0.09799	0.502672	0.725398
Alkbh4	-0.23931	0.502635	0.725398
9030407P	-0.43353	0.5026	0.725398
Phf7	-0.1704	0.502602	0.725398
Dclre1c	-0.25034	0.502415	0.725371
1700041G	-0.37229	0.502129	0.725103
Eef1e1	-0.12862	0.501882	0.724887
1500004A	-0.31469	0.501819	0.724866
Gm12607	-0.26969	0.501676	0.724799
Msantd2	-0.11119	0.501567	0.724711
6820431F	-0.04957	0.500759	0.723683
Me3	-0.19944	0.50059	0.723633
Trim9	-0.18558	0.500553	0.723633
Med13	-0.06126	0.500478	0.723633
Slc1a7	-0.18684	0.499427	0.722736
Wdpcp	-0.28601	0.499231	0.722529
Ankle2	-0.09707	0.499236	0.722529
Mical3	-0.10706	0.499122	0.722529
Eps8l1	-0.30991	0.498835	0.722302
Tmem87a	-0.11933	0.498707	0.722302
Rnf26	-0.16344	0.498405	0.722164
Mkrn2os	-0.61618	0.498094	0.721929
Tnr	-0.8265	0.497975	0.72189
Slc2a8	-0.18574	0.49775	0.721634
Nod1	-0.0887	0.497714	0.721634
Poc1a	-0.36287	0.497607	0.721566
Eefsec	-0.17084	0.497429	0.721377
Dynlrb1	-0.04633	0.497343	0.721324
Zfp426	-0.15075	0.497304	0.721324
Apoc1	-0.33995	0.496957	0.720973
Fbxo38	-0.11414	0.496941	0.720973
Col9a2	-0.67278	0.49686	0.720972
1700034H	-0.4986	0.496787	0.720936
Med11	-0.16184	0.496692	0.720867
Frs2	-0.10816	0.496458	0.720782
Rsph9	-0.3889	0.496395	0.720782
Il17rc	-0.1463	0.496299	0.720717
Sowaha	-0.29986	0.495802	0.720064
Zfp953	-0.24969	0.495538	0.71989
Tm6sf1	-0.06656	0.495023	0.719282
Awat2	-0.98688	0.494663	0.718898
Cdkn1c	-0.06576	0.494644	0.718898
Senp5	-0.10867	0.494191	0.718351
Fbxl7	-0.0876	0.494011	0.718207

Snx5	-0.07773	0.493819	0.718091
Abhd3	-0.29108	0.493015	0.717199
Ugp2	-0.0814	0.492875	0.717136
Pick1	-0.16383	0.492522	0.716761
Fam8a1	-0.08704	0.492293	0.71658
Zbtb41	-0.10214	0.492259	0.71658
A530083I2	-0.54212	0.491782	0.716242
Gm49971	-0.25031	0.490845	0.715155
Gm42696	-0.36951	0.490702	0.715017
9530062Kl	-0.53858	0.490567	0.714959
Zfp324	-0.2364	0.490388	0.714767
Fam120c	-0.27972	0.490141	0.714476
Gm48138	-0.17591	0.48989	0.71418
Araf	-0.07147	0.489654	0.713907
Cdk12	-0.0637	0.489654	0.713907
Kat8	-0.12896	0.489557	0.713904
Casz1	-0.08895	0.489553	0.713904
Cxcl14	-0.40437	0.489329	0.71378
Klhl25	-0.18599	0.489275	0.713771
Elavl3	-0.49822	0.489244	0.713771
Gm35721	-0.96614	0.489098	0.713771
Gm29107	-0.16856	0.488795	0.713557
Cars2	-0.15052	0.488608	0.713354
Tra2a	-0.04822	0.488331	0.713018
5330434G	-0.52911	0.487955	0.712608
Rraga	-0.06567	0.487881	0.71257
Sostdc1	-0.91598	0.487669	0.712399
Slc25a4	-0.03864	0.487503	0.712295
Dusp14	-0.26115	0.487385	0.712262
Tmod2	-0.12051	0.487183	0.712036
Lurap1l	-0.11604	0.486903	0.711767
Scamp2	-0.09613	0.486885	0.711767
Lzts2	-0.07749	0.486641	0.711703
Meaf6	-0.10499	0.486603	0.711703
Thap7	-0.12167	0.486471	0.711703
Iqcg	-0.37542	0.486035	0.711376
Dcaf1	-0.1044	0.485928	0.711376
Calm1	-0.02481	0.485853	0.711365
Kcnj2	-0.16301	0.485868	0.711365
Gm48880	-0.29463	0.485755	0.711365
Gm47484	-0.57505	0.485618	0.711279
Tcp11	-0.33183	0.485289	0.711003
Gm3604	-0.54915	0.484874	0.710674
Trir	-0.04984	0.484806	0.710644
Madd	-0.08979	0.484448	0.710398
Park7	-0.04307	0.484103	0.71005
Gm37060	-0.11188	0.484046	0.71005

Gm36989	-0.27149	0.484011	0.71005
Prkaa2	-0.21189	0.483978	0.71005
Ddx31	-0.27913	0.483974	0.71005
Plaat1	-0.52388	0.483804	0.71005
Atp6v0d1	-0.07795	0.483808	0.71005
Gm9895	-0.29299	0.483625	0.71005
Grhl1	-0.47267	0.483597	0.71005
4932422M	-0.39064	0.483337	0.71005
Gm50240	-0.10963	0.483326	0.71005
Zc2hc1a	-0.0943	0.482723	0.709745
Dscaml1	-0.18109	0.482685	0.709745
1700029I1	-0.71366	0.482699	0.709745
A930024E1	-0.36845	0.482365	0.709637
Gm9077	-0.74499	0.482198	0.709566
Ctnnd2	-0.32866	0.48227	0.709566
Rpe	-0.14159	0.482237	0.709566
Zfp606	-0.14654	0.482018	0.709474
Tsen2	-0.15446	0.481797	0.709326
Mapk4	-0.37314	0.481652	0.709284
Pak2	-0.04573	0.481484	0.709106
Carmil3	-0.34148	0.48145	0.709106
Ggt7	-0.24512	0.481328	0.709017
P3h3	-0.1544	0.481305	0.709017
Ap2a1	-0.0801	0.480973	0.708733
Rttn	-0.18401	0.480771	0.708544
Lsm6	-0.06985	0.480759	0.708544
Enpp3	-0.19953	0.4806	0.708432
7SK-298	-0.69005	0.480453	0.708284
Pex10	-0.18656	0.480439	0.708284
H2ac18	-0.25343	0.480361	0.708284
Wscd2	-0.99333	0.480078	0.708081
Gria4	-0.41237	0.480129	0.708086
Rtn4ip1	-0.34414	0.479821	0.707879
Kcnq4	-0.27715	0.479615	0.707844
Gas7	-0.22291	0.47946	0.707727
Bbs1	-0.18309	0.479273	0.70752
Myt1l	-0.57431	0.47881	0.707186
Pam	-0.06621	0.478795	0.707186
Anks3	-0.12803	0.47877	0.707186
Tmem184l	-0.06563	0.478676	0.707186
Svop	-0.36586	0.478638	0.707186
Tmem47	-0.15189	0.478492	0.707186
Ippk	-0.14553	0.478387	0.707186
Stxbp6	-0.17776	0.478339	0.707186
B230319C1	-0.55924	0.478229	0.707186
Wdr13	-0.11365	0.478101	0.707116
Mapk10	-0.28905	0.478066	0.707116

Hltf	-0.10148	0.477822	0.706912
Gps1	-0.08225	0.477777	0.706912
Wdr24	-0.22913	0.477586	0.706703
Ror1	-0.20732	0.477561	0.706703
Ptpsr	-0.10426	0.477446	0.706703
Impa1	-0.08742	0.477106	0.706271
Gm45360	-0.86834	0.476891	0.706097
Gigyf1	-0.07846	0.476894	0.706097
Ankra2	-0.10884	0.476885	0.706097
Cyfip1	-0.05409	0.476866	0.706097
B230220B	-0.25361	0.476868	0.706097
Slc7a11	-0.5908	0.476605	0.706018
Josd1	-0.12378	0.476582	0.706018
Ep300	-0.064	0.476456	0.705938
Gosr1	-0.1076	0.476319	0.705938
Spred1	-0.08063	0.475866	0.705692
Sirt4	-0.17005	0.475147	0.705272
Sh2d5	-0.47558	0.475065	0.705272
Nup35	-0.14192	0.475017	0.705271
Rasa2	-0.09133	0.474254	0.704278
Tapbp	-0.05331	0.47389	0.703947
Prox2	-0.34645	0.47374	0.703934
Dubr	-0.11383	0.473709	0.703934
Plppr4	-0.25681	0.473676	0.703934
Mybl2	-0.61435	0.472837	0.703011
Eef1akmt2	-0.13662	0.472746	0.702945
Gm44704	-0.44064	0.472367	0.702772
Tmem42	-0.16837	0.472409	0.702772
Prdm8	-0.22249	0.472014	0.702644
Malat1	-0.03524	0.471653	0.702437
Gja4	-0.09029	0.471276	0.702285
Gm47140	-0.90797	0.470851	0.70173
Rundc3b	-0.53944	0.47003	0.701205
Nipa1	-0.17208	0.469698	0.700919
Dido1	-0.08331	0.469635	0.700919
Hspbp1	-0.17977	0.469427	0.700794
Rps19bp1	-0.10675	0.469329	0.700794
Gm9967	-0.70215	0.468986	0.700485
Zfp143	-0.13126	0.468865	0.700442
Armc8	-0.09668	0.468495	0.699961
Gm49463	-0.42566	0.467915	0.699304
Cryba4	-0.35819	0.467899	0.699304
Mrps14	-0.05962	0.467788	0.699254
Alg14	-0.09651	0.467556	0.699115
Atp11b	-0.06314	0.467541	0.699115
Exosc10	-0.10285	0.467525	0.699115
Kif22	-0.50111	0.467527	0.699115

Gm47585	-0.29483	0.467439	0.699115
Fam13b	-0.12373	0.466938	0.698711
Gpaa1	-0.1211	0.466844	0.698711
9430031Kl	-0.35032	0.466715	0.698697
H4c8	-0.19911	0.466695	0.698697
Gm42876	-0.6752	0.466539	0.698648
Atf6b	-0.12741	0.466543	0.698648
Afg1l	-0.2196	0.466048	0.698326
Klhl11	-0.189	0.465741	0.698006
Nprl2	-0.17531	0.465498	0.697781
Itpr1	-0.0672	0.465399	0.697703
Rcc1l	-0.26869	0.465239	0.697562
Gm43182	-0.70545	0.46512	0.697562
Efr3a	-0.07525	0.465204	0.697562
Vps26c	-0.16253	0.465115	0.697562
Mcf2	-0.59221	0.465074	0.697562
Pitpnc1	-0.05306	0.464888	0.697495
Echs1	-0.09391	0.46488	0.697495
Lysmd1	-0.25855	0.464753	0.697495
Fam107b	-0.12984	0.464691	0.697479
Ube2ql1	-0.64871	0.46466	0.697479
Slc37a3	-0.14739	0.464241	0.697013
Gm5915	-0.43015	0.463768	0.696792
Rfc1	-0.07178	0.463345	0.696507
Gm47260	-0.42617	0.463159	0.696296
Rpap1	-0.1855	0.462772	0.696204
Rnf215	-0.08615	0.462559	0.695963
Gm37274	-0.23558	0.462249	0.695626
Gm12002	-0.22358	0.462055	0.695405
Cops5	-0.08078	0.461755	0.695163
Tmem183i	-0.10378	0.461482	0.694961
Naalad2	-0.10414	0.46128	0.694794
Gm15186	-0.36556	0.461113	0.694685
Prkcb	-0.15531	0.460937	0.69449
Fmn2	-0.87349	0.460696	0.694342
Ppm1f	-0.08876	0.460632	0.694342
Adamts5	-0.31039	0.460592	0.694342
Gm37334	-0.22096	0.460002	0.693707
Gm16401	-0.72274	0.459914	0.693654
Cspp1	-0.08074	0.459919	0.693654
Cenpo	-0.32312	0.45949	0.693217
Srrm3	-0.2082	0.459448	0.693217
Sft2d3	-0.09982	0.459354	0.693152
Rab14	-0.04104	0.459273	0.693099
Brca1	-0.43753	0.458758	0.692604
Bzw2	-0.11694	0.458704	0.692604
Rab4b	-0.32161	0.458639	0.692604

Il18	-0.27857	0.458187	0.692432
Hook3	-0.05042	0.457781	0.691894
Tsc2	-0.11169	0.457558	0.691626
Epg5	-0.19459	0.457416	0.691482
Zfp354c	-0.18378	0.457277	0.691411
Rhot1	-0.07987	0.457252	0.691411
Gm37490	-0.36575	0.457075	0.691345
Arhgap21	-0.10449	0.456762	0.691121
Pnpla8	-0.06728	0.456621	0.690977
P4htm	-0.17682	0.456571	0.690977
Pi16	-0.21847	0.456562	0.690977
Gm49066	-0.19592	0.455791	0.69035
Trip6	-0.13508	0.455781	0.69035
Gm42913	-0.92967	0.455597	0.690195
Trmo	-0.27882	0.45557	0.690195
Gcc2	-0.08065	0.455398	0.690103
Leng9	-0.16498	0.455297	0.690021
Gm37967	-0.41956	0.454886	0.689705
St18	-0.77484	0.454712	0.68956
Ankrd44	-0.12428	0.454649	0.68956
Kpna1	-0.09842	0.45459	0.68956
Hmgb1-rs1	-0.43293	0.454537	0.68956
Crb1	-0.1213	0.454245	0.689336
6720464F2	-0.20597	0.453723	0.68868
Cop1	-0.08871	0.453703	0.68868
Isg20l2	-0.14624	0.453606	0.68868
Pdlim5	-0.05197	0.453469	0.688677
Ndufaf1	-0.18698	0.453455	0.688677
Gm37212	-0.67226	0.452139	0.687041
Kdm4a	-0.13787	0.452048	0.687041
Dpysl3	-0.14982	0.451792	0.686863
Yrdc	-0.11604	0.451774	0.686863
Trib2	-0.07801	0.451146	0.68609
Cyth3	-0.05775	0.45074	0.685682
Usp15	-0.08409	0.450489	0.68544
Cdc40	-0.07973	0.4499	0.684681
4930578N	-0.30942	0.449763	0.684612
Pcgf5	-0.10602	0.449691	0.684612
Cwf19l1	-0.20583	0.449464	0.684436
Lrguk	-0.55943	0.449094	0.683942
Snrpn	-0.17984	0.448835	0.683826
Gm45328	-0.93157	0.448617	0.683564
Ube2k	-0.06487	0.448123	0.682949
Gm44022	-0.19113	0.447971	0.682858
Nmt2	-0.11441	0.44702	0.681684
Gm17057	-0.54302	0.446696	0.68133
Actr5	-0.18862	0.446686	0.68133

Tmem87b	-0.08831	0.445949	0.680398
Poc5	-0.15299	0.445733	0.680208
Zfp266	-0.08526	0.445537	0.680095
Pdcl	-0.0966	0.445498	0.680095
Nudt13	-0.12942	0.445007	0.679585
Lrrcc1	-0.11243	0.44484	0.679468
Slc35e3	-0.22364	0.444557	0.679174
Gm13066	-0.8026	0.444402	0.679007
Mt3	-0.1324	0.444266	0.678869
Ndufa10	-0.07024	0.444188	0.678819
Btd	-0.12512	0.44416	0.678819
Nipal2	-0.352	0.444021	0.678771
D3Ert751	-0.17444	0.443737	0.678476
Gm34220	-0.20249	0.443426	0.678139
Gm12350	-0.24053	0.443352	0.678095
93301620	-0.46176	0.442966	0.677573
Gm37420	-0.23492	0.442759	0.677516
Lmnb2	-0.22495	0.442646	0.677429
Gm44041	-0.49219	0.442438	0.67725
Usp40	-0.12924	0.442059	0.676739
Taf8	-0.17176	0.442024	0.676739
Gm43287	-0.99302	0.440693	0.675269
Rnd3	-0.1643	0.440606	0.675205
Cdk5	-0.1538	0.440572	0.675205
Repin1	-0.18013	0.440304	0.675018
Gm17259	-0.32439	0.440282	0.675018
Hibadh	-0.09093	0.439934	0.674727
Pex6	-0.13176	0.439683	0.67455
Tmem70	-0.13004	0.439557	0.674426
Elp4	-0.15779	0.439468	0.674359
Tmem109	-0.06867	0.438957	0.673782
Lmbrd2	-0.13139	0.438897	0.673759
Reep4	-0.22575	0.43879	0.673664
Nr2e1	-0.31337	0.438786	0.673664
Zbtb5	-0.1883	0.438554	0.673508
Tmem29	-0.20596	0.438386	0.673323
Gm26575	-0.97787	0.43807	0.67311
Pogz	-0.11199	0.438049	0.67311
Gm44597	-0.77525	0.437902	0.67299
Kcnab1	-0.38975	0.437743	0.672815
Tbc1d7	-0.21914	0.437476	0.672543
Ipo4	-0.18553	0.437219	0.672493
Mapk8ip1	-0.22656	0.436901	0.672073
Ccr9	-0.48575	0.436767	0.671935
Abhd1	-0.35583	0.436743	0.671935
Ncapg2	-0.37201	0.436671	0.671927
Stam	-0.11622	0.436534	0.671853

Far1	-0.09437	0.436232	0.671457
Dnmt3a	-0.10292	0.436145	0.671447
Smpd2	-0.13375	0.435749	0.67099
Gm44095	-0.26677	0.435595	0.67099
Chrna5	-0.9136	0.435063	0.67038
Btbd9	-0.11025	0.43503	0.67038
Xab2	-0.13097	0.434925	0.67038
Dusp26	-0.49015	0.434848	0.67038
Tdp2	-0.1222	0.434733	0.67038
Tab3	-0.18629	0.434724	0.67038
Zfp608	-0.13578	0.434635	0.670377
Gm39302	-1.02133	0.434473	0.670218
Arxes1	-0.28834	0.434487	0.670218
Pip4k2b	-0.14145	0.434375	0.670218
1810009A	-0.2522	0.433622	0.669505
Mast3	-0.23188	0.433547	0.669458
Ttc33	-0.11031	0.433542	0.669458
Pced1a	-0.31099	0.433265	0.669174
Kcnma1	-0.4675	0.433273	0.669174
Stradb	-0.18471	0.433204	0.669174
Akr7a5	-0.14202	0.433135	0.669174
Rrp12	-0.39006	0.433017	0.669174
Smarcal1	-0.17112	0.432698	0.668906
Zfp595	-0.22333	0.431669	0.667866
Gm3764	-0.62565	0.431293	0.667423
Ate1	-0.08216	0.43114	0.667362
Dcaf8	-0.069	0.431103	0.667362
Mtg2	-0.1601	0.431047	0.667362
Vamp3	-0.07092	0.430955	0.667362
Cdc16	-0.12209	0.430901	0.667362
Slc25a16	-0.13368	0.430299	0.666573
Maco1	-0.08164	0.429963	0.66626
Ecd	-0.13307	0.42991	0.66626
Apex1	-0.20934	0.429862	0.66626
Insm1	-0.26868	0.429576	0.666095
Megf10	-0.5211	0.429589	0.666095
Trmt10a	-0.20561	0.429589	0.666095
Acsl1	-0.10994	0.429477	0.666095
Zfp623	-0.23139	0.429439	0.666095
Zfp968	-0.48369	0.429284	0.666095
Larp7	-0.10215	0.429158	0.666095
Zfp710	-0.26424	0.429004	0.665955
Galm	-0.33665	0.428815	0.66579
Zfhx3	-0.08338	0.428673	0.665709
Dusp8	-0.10709	0.428449	0.66543
Gm16029	-1.28056	0.428005	0.664947
Gm43290	-0.56602	0.427968	0.664947

Ppp2r3c	-0.17195	0.427839	0.664947
Ciapi1	-0.12239	0.427171	0.663995
Mul1	-0.14324	0.427135	0.663995
Exoc1	-0.13144	0.426994	0.663858
Sv2a	-0.22993	0.426902	0.663783
Foxo4	-0.16973	0.426522	0.663261
Agap3	-0.1176	0.426424	0.663178
Eif3a	-0.04752	0.425995	0.662657
Thsd1	-0.07566	0.425679	0.662432
Adgrb1	-0.74364	0.425609	0.662392
Gm42651	-0.36054	0.425085	0.661853
Tsen54	-0.22202	0.424869	0.661585
Gm42983	-1.64639	0.42472	0.66158
Tdrd3	-0.1421	0.424733	0.66158
Gm16124	-0.25624	0.42431	0.661128
Lrp2bp	-0.69334	0.424015	0.66087
Nxn12	-0.1224	0.423909	0.660846
Zfp874a	-0.25106	0.423897	0.660846
Mccc2	-0.22905	0.423563	0.660483
Nat10	-0.21905	0.423108	0.660006
Gm43668	-0.35727	0.422975	0.659871
Gmfb	-0.09273	0.422807	0.659746
Pik3cd	-0.21555	0.422587	0.659472
Tbc1d32	-0.17583	0.422528	0.659456
N6amt1	-0.16074	0.422532	0.659456
Dbr1	-0.1706	0.422194	0.659271
Adgra3	-0.12886	0.422166	0.659271
Gpatch2	-0.12279	0.422041	0.65917
Syap1	-0.09461	0.421786	0.65884
Gnrh1	-0.57796	0.421355	0.658396
Wdr17	-0.15177	0.42137	0.658396
Gm16196	-0.37488	0.421301	0.658396
Snx24	-0.2174	0.421116	0.658309
Galnt11	-0.1208	0.421038	0.658289
Lyn	-0.10162	0.420981	0.658269
Xylt1	-0.29151	0.420882	0.658183
Rbm19	-0.2238	0.420623	0.657915
Selenok-ps	-0.43821	0.420456	0.657846
Ppt2	-0.11533	0.420494	0.657846
Rad21	-0.06557	0.420391	0.657828
Cby1	-0.13469	0.419976	0.657522
Smug1	-0.15582	0.41988	0.65744
Mir124a-1	-0.07014	0.419819	0.65744
Ncoa5	-0.15158	0.419792	0.65744
Ap5b1	-0.42184	0.419569	0.657296
1700008JC	-0.24603	0.419005	0.65665
Gstk1	-0.17505	0.418571	0.656283

Entpd5	-0.19647	0.4184	0.656084
Hexdc	-0.16424	0.418277	0.656028
Zfp398	-0.11888	0.418131	0.655868
Ergic2	-0.08183	0.417415	0.655019
Irf5	-0.5242	0.417307	0.655009
Drg1	-0.09477	0.417294	0.655009
Zwint	-0.10497	0.4167	0.654514
Hmg20a	-0.09218	0.416566	0.654408
Smarca5-p	-0.57708	0.416492	0.654408
Mak16	-0.12794	0.416402	0.654408
Gm9484	-0.68266	0.415833	0.653838
Pcolce2	-0.49984	0.415144	0.652919
Kcnj9	-0.78669	0.414793	0.652516
Gm20463	-0.82863	0.414817	0.652516
Arl6ip6	-0.12798	0.414804	0.652516
Atat1	-0.18578	0.414799	0.652516
Nt5c3b	-0.15274	0.414448	0.652277
Gm16973	-0.30417	0.414352	0.652264
Gnao1	-0.17039	0.414287	0.65223
Ccdc39	-0.52525	0.41427	0.65223
Tex264	-0.10095	0.414266	0.65223
Armc9	-0.2584	0.413897	0.651959
Cln8	-0.18028	0.413775	0.651903
Dipk1a	-0.09073	0.413412	0.651606
Sh3tc2	-0.22963	0.413257	0.651497
Wdr3	-0.17289	0.412975	0.65126
Rncr4	-0.24733	0.412811	0.651186
Ebf1	-0.0451	0.412724	0.651138
Hbegf	-0.09807	0.412574	0.651039
Lypd6	-0.26987	0.412427	0.650875
Gm45148	-1.07182	0.412296	0.650737
mt-Tq	-0.42716	0.412054	0.650544
Itga10	-0.35042	0.41171	0.650155
Cd46	-0.25574	0.411543	0.650032
Tspxl1	-0.09335	0.411275	0.649742
Gm43437	-0.51318	0.410968	0.649326
Pfkl	-0.0728	0.410642	0.649016
Trappc2l	-0.08219	0.410456	0.648977
Icam2	-0.06065	0.410388	0.648977
Lrit2	-0.15764	0.410267	0.648977
Gm3695	-0.62953	0.410075	0.648845
Gm16104	-0.34017	0.4101	0.648845
Cks1b	-0.29341	0.410082	0.648845
Trp53	-0.1084	0.410085	0.648845
Nup88	-0.11572	0.410048	0.648845
E030030I0	-0.24478	0.409987	0.648845
Ivd	-0.16468	0.409831	0.648845

Ago4	-0.19193	0.409825	0.648845
Gm10297	-0.66193	0.409697	0.648845
Esco1	-0.10669	0.409724	0.648845
Mycl	-0.25447	0.409647	0.648845
Sdr39u1	-0.17607	0.409169	0.64833
Tango6	-0.24006	0.409096	0.648283
Smarcc2	-0.07524	0.408531	0.647799
Dipk1c	-0.47395	0.408414	0.647799
Cep76	-0.29908	0.408275	0.647737
Plch2	-0.16574	0.408111	0.647697
Ica1	-0.12435	0.407954	0.64757
Stat5b	-0.11975	0.407923	0.64757
Zfp68	-0.10102	0.407619	0.647314
Gm49886	-0.99632	0.407242	0.646909
Szrd1	-0.10015	0.407289	0.646909
Gm43765	-1.10291	0.407176	0.646909
Gm37570	-0.46071	0.406949	0.646867
Ppm1l	-0.14091	0.40675	0.646676
C430014B	-0.62894	0.406359	0.646272
Atp6v1a	-0.07207	0.406338	0.646272
Pcdhb19	-0.35731	0.406223	0.646263
Gm10524	-0.25585	0.406177	0.646263
9930024V	-0.28281	0.406182	0.646263
Gm42670	-0.38408	0.405629	0.645866
Ltn1	-0.11048	0.405479	0.645695
Col19a1	-0.57739	0.40516	0.645352
Slc15a2	-0.22967	0.405177	0.645352
Inhba	-0.47052	0.405007	0.645352
2210408I2	-0.30356	0.405006	0.645352
Fsbp	-0.47148	0.404856	0.645352
Zfp119a	-0.23949	0.404875	0.645352
Hagh	-0.09769	0.404863	0.645352
Usp9x	-0.06887	0.404771	0.645352
Haspin	-0.77793	0.404662	0.645352
Rgs7	-0.72545	0.404629	0.645352
Mtrex	-0.10807	0.404622	0.645352
Gm38142	-0.55801	0.404185	0.645007
Sumf1	-0.17607	0.403874	0.644716
Gm10125	-0.3063	0.403819	0.644716
Ebna1bp2	-0.09461	0.403702	0.644716
Naa15	-0.08941	0.403468	0.64455
Ppil1	-0.16538	0.403168	0.644208
Mb21d2	-0.2789	0.403159	0.644208
Tom1	-0.21794	0.402734	0.643721
Copz1	-0.0991	0.402593	0.643702
Fnta	-0.08698	0.402341	0.643367
Oma1	-0.15771	0.402296	0.643367

Gm37397	-0.50528	0.402258	0.643367
Diras1	-1.06393	0.401935	0.642993
Ercc8	-0.27172	0.401731	0.642888
4833422C	-0.23496	0.40169	0.642888
Acox1	-0.88739	0.401571	0.642888
Gm26559	-0.71859	0.401254	0.64259
Gm50069	-0.37156	0.401107	0.642492
Tpk1	-0.27993	0.401105	0.642492
Hivep2	-0.09716	0.401044	0.642492
Zfp131	-0.10841	0.400891	0.642353
Rfng	-0.18168	0.400878	0.642353
Sdad1	-0.17242	0.400874	0.642353
Gm48887	-0.32661	0.400838	0.642353
Rbm12b1	-0.27532	0.400817	0.642353
Gm11339	-0.98745	0.400399	0.64203
Tmem214	-0.13027	0.400432	0.64203
Hes1	-0.06172	0.400046	0.641823
Gemin2	-0.1816	0.399998	0.641815
1700119H	-0.54395	0.399751	0.641624
Scamp1	-0.08432	0.399236	0.641163
Hspe1-rs1	-0.53127	0.399156	0.64115
Tceal3	-0.24281	0.399139	0.64115
Abraxas1	-0.24509	0.398934	0.64105
Prpf38b	-0.07232	0.398703	0.640766
Psm5	-0.12933	0.39867	0.640766
Ccdc142os	-0.46422	0.398504	0.640653
Ctu2	-0.18441	0.398271	0.640347
Tspyl3	-0.42712	0.397737	0.639832
Ccdc59	-0.07234	0.397537	0.639717
Cactin	-0.14568	0.397257	0.639548
Mrpl47	-0.19036	0.397169	0.639548
Cnot1	-0.08876	0.396908	0.639346
Arap2	-0.07066	0.396721	0.639229
Snupn	-0.17689	0.396232	0.638508
Ndufb9	-0.04928	0.39601	0.638242
Slc1a1	-0.08788	0.395975	0.638242
Clba1	-0.2909	0.395565	0.638053
Nova1	-0.58633	0.395476	0.637978
Hopx	-0.15656	0.395467	0.637978
Tfb2m	-0.14602	0.395421	0.637978
Mrpl23-ps	-0.31276	0.395404	0.637978
Srrm4	-0.3981	0.395314	0.637978
Cdr1os	-0.25112	0.394923	0.637566
Ubn1	-0.07279	0.394712	0.637295
Pin1	-0.0917	0.394543	0.637168
A330076H	-0.83252	0.394393	0.637053
Tomm22	-0.0798	0.394317	0.637024

Psmc3ip	-0.33183	0.394185	0.637013
6430562O	-0.45609	0.394062	0.636932
Myo19	-0.34964	0.393446	0.636348
Mrpl3	-0.13819	0.393369	0.636292
Dnajc7	-0.08002	0.393161	0.636093
Msi2	-0.05539	0.393024	0.636009
Mrpl34	-0.09587	0.3927	0.635554
Col5a3	-0.22054	0.392643	0.635529
Fam204a	-0.09495	0.392596	0.635522
Nhlrc2	-0.11309	0.392448	0.635421
Grm6	-0.57401	0.392097	0.635127
Gm37678	-0.74443	0.391828	0.635083
Eif3c	-0.056	0.391945	0.635083
Elp2	-0.16097	0.391917	0.635083
Erap1	-0.11486	0.391824	0.635083
Kctd7	-0.28082	0.391729	0.635083
Cracd	-0.50029	0.391506	0.634874
Ldlrad4	-0.17668	0.391471	0.634874
Caap1	-0.1423	0.39122	0.634712
Gm2810	-0.46335	0.391012	0.634693
Commd10	-0.1438	0.391017	0.634693
Abi2	-0.10198	0.390943	0.634693
Ilk	-0.08606	0.390697	0.634575
Rrp7a	-0.14981	0.390351	0.634151
Bcl7c	-0.10026	0.390119	0.633911
Tomm6os	-0.80428	0.389953	0.633711
Tbc1d22b	-0.20214	0.389874	0.633661
Dio2	-0.35765	0.389722	0.633541
Snrnp70	-0.05931	0.389585	0.633433
Syn1	-0.71735	0.389506	0.633396
Mageh1	-0.10571	0.38944	0.633359
Ess2	-0.15313	0.389376	0.633322
Gad1	-0.69047	0.38927	0.633289
Cep128	-0.34887	0.388845	0.633009
Gm39469	-0.42477	0.388741	0.632978
Zmynd11	-0.06217	0.388713	0.632978
2010320V	-0.1596	0.388604	0.632892
Cnih2	-0.70986	0.387579	0.631546
Gm48079	-0.51663	0.387333	0.631234
Tbc1d19	-0.18589	0.3873	0.631234
Ntn3	-0.31581	0.386782	0.630571
9630050E:	-0.17727	0.386534	0.630274
Morn1	-0.52221	0.38649	0.630272
Ccdc82	-0.08379	0.386426	0.630236
Rp111	-0.13057	0.386164	0.629947
Lrriq3	-0.79498	0.386037	0.629947
Spag7	-0.08598	0.386073	0.629947

Marchf3	-0.35678	0.386054	0.629947
Prkar1b	-0.22671	0.385945	0.629947
Ccrl2	-0.13714	0.385899	0.629947
Brd8dc	-0.43204	0.385863	0.629947
Prmt2	-0.16322	0.385638	0.629823
Sub1	-0.05469	0.385529	0.629803
Gm44937	-0.17269	0.385457	0.629754
Angpt1	-0.2951	0.384949	0.62913
Gm49153	-0.64512	0.384726	0.628995
Helz	-0.08417	0.384576	0.628932
Mir100hg	-0.17303	0.384445	0.628932
Eif2s3y	-0.09459	0.384297	0.628888
Napg	-0.09619	0.384082	0.628605
Gm43482	-0.385	0.383934	0.628499
A230072C	-0.57716	0.383572	0.628089
Gabrr2	-0.57432	0.383444	0.628
Nono	-0.07088	0.383351	0.627958
Klhl21	-0.17656	0.383276	0.627903
Zfp239	-0.64769	0.383126	0.627794
Grk6	-0.15698	0.382972	0.627624
Tox3	-0.17024	0.382905	0.627624
Cckbr	-0.88842	0.382198	0.626892
Bgn	-0.09867	0.382059	0.626801
1700016J1	-0.90748	0.381386	0.625835
Fam20a	-0.21211	0.381379	0.625835
Zfp974	-0.3367	0.381291	0.625835
Gm13830	-0.44992	0.381093	0.625726
Gm45483	-0.57039	0.380932	0.625637
Zxdc	-0.17043	0.380887	0.625633
Rdh14	-0.15618	0.380878	0.625633
Xpo1	-0.10425	0.380437	0.625168
Lrsam1	-0.27134	0.380325	0.625052
Srm	-0.19231	0.380245	0.625012
Rps6ka5	-0.14405	0.38017	0.625012
Des	-0.10852	0.380046	0.625012
Atg12	-0.08867	0.380005	0.625012
Sestd1	-0.15391	0.379937	0.625012
Timm50	-0.13798	0.379938	0.625012
Mpv17l	-0.31815	0.379854	0.625012
Brcc3	-0.13598	0.379608	0.624834
Zfp458	-0.30147	0.379368	0.624576
Map1a	-0.21976	0.379367	0.624576
Stard7	-0.09664	0.37905	0.62426
Gstm5	-0.09514	0.37902	0.62426
Hspa12a	-0.18364	0.378844	0.624056
Gse1	-0.09772	0.378475	0.623586
Tshz1	-0.08649	0.378432	0.623583

Dhx38	-0.1363	0.378371	0.623553
Fendrr	-0.24225	0.377813	0.622831
Coa6	-0.13421	0.377731	0.622831
Gm38380	-0.30508	0.377488	0.622714
Exd2	-0.18966	0.377458	0.622714
Mpc2	-0.07444	0.377451	0.622714
Otud6b	-0.13268	0.376421	0.621502
Sptan1	-0.05261	0.376176	0.621167
Eif1ax	-0.08703	0.375744	0.620588
Zfp267	-0.16893	0.375681	0.620554
Fcsk	-0.26178	0.375369	0.620174
Krba1	-0.22972	0.375322	0.620166
Arntl2	-0.29837	0.375242	0.620102
Atp6v0b	-0.06078	0.374839	0.619709
Hyal1	-0.1757	0.374808	0.619709
Arl1	-0.07372	0.374696	0.619704
Riok1	-0.11167	0.374658	0.619704
Zcchc8	-0.11248	0.3741	0.619034
Scyl3	-0.19926	0.373985	0.619005
Prpf31	-0.13657	0.374	0.619005
Fam122b	-0.30915	0.373658	0.618576
Klhl4	-0.13257	0.373419	0.618319
Gusb	-0.15098	0.373305	0.618197
Rtn1	-0.22025	0.372906	0.617809
Cabyr	-1.05762	0.372667	0.617551
Selenoo	-0.17024	0.372276	0.61724
Hars2	-0.18296	0.372243	0.61724
Prep	-0.1927	0.37219	0.617238
Gm45206	-1.47087	0.372021	0.617095
Dnajc4	-0.14467	0.372159	0.617238
Tmem17	-0.42218	0.370898	0.615969
Rnf34	-0.15878	0.370931	0.615969
Qrich1	-0.11477	0.370318	0.615088
Fbxl17	-0.14103	0.370297	0.615088
Ndfip2	-0.08366	0.370143	0.614934
Arfip1	-0.14742	0.37002	0.614893
Hacl1	-0.23074	0.369748	0.614629
8030456N	-0.60993	0.369558	0.614504
Setdb1	-0.17069	0.369597	0.614504
Zc2hc1c	-0.664	0.36898	0.613751
Mmaa	-0.22586	0.368881	0.613655
Pitpnb	-0.09107	0.368562	0.613328
Klc2	-0.21064	0.368488	0.613328
Dcaf15	-0.25149	0.368195	0.613057
Cul3	-0.07245	0.368192	0.613057
Nbr1	-0.09403	0.368155	0.613057
Scp2	-0.07553	0.367585	0.612726

Septin4	-0.06852	0.367587	0.612726
Nat14	-0.21324	0.367325	0.612495
Ccdc96	-0.67147	0.366903	0.611956
Hba-a2	-0.35427	0.36692	0.611956
Cmc4	-0.20566	0.366737	0.611786
Ranbp2	-0.07862	0.36664	0.611693
Uimc1	-0.1125	0.366384	0.611538
Rbfox1	-0.88921	0.366227	0.61148
Tada1	-0.18134	0.366187	0.61148
Arfgap2	-0.11944	0.36605	0.61139
Cep131	-0.31536	0.365965	0.611375
Ndufaf5	-0.23077	0.365625	0.610885
Gm47088	-0.85474	0.365267	0.610423
Septin2-1	-0.21373	0.365023	0.610083
A930002C1	-1.20489	0.364852	0.609865
Magohb	-0.17809	0.364826	0.609865
Ndufb1	-0.05982	0.364622	0.609822
Rarg	-0.11956	0.364616	0.609822
Zfpm1	-0.10657	0.364252	0.609407
Zfp322a	-0.12564	0.364195	0.609407
Set	-0.0608	0.363837	0.608985
Senp7	-0.11281	0.363601	0.608662
Schip1	-0.28519	0.363488	0.608605
Shmt2	-0.2033	0.363313	0.608447
Aurka	-0.79717	0.3632	0.608327
Smg9	-0.18078	0.363162	0.608327
Atp5j	-0.04258	0.363109	0.608311
Snrpd1	-0.07679	0.362934	0.608221
Tmem33	-0.10245	0.362925	0.608221
Gm47694	-0.72435	0.362806	0.608177
Dst	-0.06376	0.362826	0.608177
Dhx30	-0.11335	0.362604	0.608077
Bpnt1	-0.16677	0.362511	0.607988
Traf5	-0.14121	0.361895	0.607295
Zfp384	-0.20068	0.361881	0.607295
G2e3	-0.169	0.36164	0.607143
Mapk8ip3	-0.10701	0.361501	0.607111
Mrpl48	-0.09984	0.361326	0.606954
Hspb7	-0.29871	0.361212	0.606954
Auts2	-0.08226	0.361183	0.606954
Tapt1	-0.13122	0.361007	0.606828
Bag6	-0.10394	0.360917	0.606811
Gm49125	-0.48945	0.360776	0.606769
Meak7	-0.33742	0.360586	0.606664
Gm46218	-0.67619	0.360483	0.606558
Dmtf1	-0.11014	0.360031	0.606002
Vax2	-0.25934	0.359809	0.605764

Vps41	-0.13106	0.359809	0.605764
Zfp935	-0.28556	0.3596	0.605764
Ercc6l2	-0.16009	0.35948	0.605688
Zcrb1	-0.07273	0.359339	0.60557
Cwc25	-0.12993	0.358743	0.604854
Mblac2	-0.25645	0.358658	0.604779
Rbm11	-0.66254	0.358299	0.604291
Jpx	-0.31722	0.357963	0.604083
Gm43178	-0.5909	0.357709	0.603722
Alg3	-0.25003	0.357361	0.603339
Ip6k2	-0.12854	0.357045	0.602873
Tmem198	-0.69914	0.356981	0.602833
Sdhd	-0.08571	0.356828	0.602642
Arid4b	-0.0749	0.356773	0.602617
Olfr1124	-0.67209	0.356526	0.602268
Tmco3	-0.14873	0.356459	0.602223
Ppp6r1	-0.1368	0.356397	0.602187
C030017G	-0.95808	0.35631	0.602107
Sgms2	-0.12596	0.35603	0.601906
Cacnb2	-0.17144	0.355931	0.601806
Ppil4	-0.10179	0.355837	0.60178
Egfr	-0.33411	0.355799	0.60178
Ptpdc1	-0.2524	0.355329	0.601165
Taf6l	-0.40513	0.355264	0.601154
Ankrd26	-0.17428	0.355106	0.601022
Cpeb3	-0.19484	0.354682	0.600373
Tspan18	-0.19264	0.354668	0.600373
Yod1	-0.14718	0.354653	0.600373
Gm16141	-0.91344	0.354295	0.599989
Mss51	-0.41165	0.354368	0.600045
Ccdc180	-0.49863	0.354281	0.599989
Qrs1	-0.2794	0.354275	0.599989
Prmt5	-0.17345	0.354082	0.59996
Nelfa	-0.12363	0.353599	0.599625
1810014B1	-0.29853	0.353518	0.599625
Prkdc	-0.22868	0.353404	0.599565
Tm7sf2	-0.52868	0.353022	0.599054
Kcp	-0.28115	0.352692	0.598697
Tmem80	-0.15539	0.352375	0.598372
Pcm1	-0.07246	0.352181	0.598236
Gspt2	-0.38454	0.351146	0.596955
Abhd16a	-0.11096	0.351157	0.596955
Ppih	-0.23006	0.351057	0.596955
Tmem209	-0.20735	0.350875	0.596763
Psma8	-0.29163	0.350604	0.596437
Wasl	-0.0891	0.349971	0.595698
Apoe	-0.05536	0.349856	0.595576

Fbrs	-0.14111	0.349859	0.595576
Ttc28	-0.074	0.34985	0.595576
Svip	-0.1885	0.349815	0.595576
Gm47956	-0.84598	0.349656	0.595576
Nhsl1	-0.10379	0.34892	0.594722
Usp51	-1.04259	0.348744	0.594682
Krt18	-0.23249	0.348631	0.594634
Mgme1	-0.21518	0.348625	0.594634
Ccdc125	-0.22969	0.347741	0.593523
Pcdhga8	-0.51948	0.34765	0.593502
Pcyt2	-0.19704	0.347147	0.592913
Rrs1	-0.20391	0.346892	0.592587
Polb	-0.11759	0.346528	0.59223
Zfp94	-0.39892	0.346432	0.592165
Nup93	-0.20767	0.34626	0.592007
Gm49204	-0.33519	0.346218	0.592002
Pde8a	-0.08506	0.346195	0.592002
Slc9a6	-0.18737	0.345482	0.591032
Ociad1	-0.0893	0.345492	0.591032
Bmpr1a	-0.13465	0.345267	0.590916
Atg2b	-0.22422	0.345235	0.590916
Gm49785	-0.70315	0.345134	0.590824
Mus81	-0.22901	0.3451	0.590824
Arglu1	-0.05688	0.344648	0.590262
Usp37	-0.14966	0.34447	0.590025
Nrbf2	-0.25891	0.344443	0.590025
Zc3h4	-0.15164	0.344327	0.589932
Srfbp1	-0.18932	0.34419	0.589815
Rad51ap2	-1.87931	0.344019	0.58961
Ghitm	-0.08011	0.344031	0.58961
Bcl2l15	-1.25211	0.343723	0.589216
Ppp6r3	-0.08645	0.343622	0.58918
Hspb2	-0.21547	0.343623	0.58918
B3gat1	-0.90559	0.34346	0.589035
Ikbb	-0.09239	0.343367	0.588943
Ndufb10	-0.06643	0.342994	0.588574
Nrxn3	-0.42066	0.342883	0.588519
Mitf	-0.38691	0.342757	0.588437
Prmt6	-0.25308	0.341879	0.587092
Col27a1	-0.29074	0.341798	0.587092
Usp20	-0.27698	0.341397	0.586787
Klhl18	-0.13781	0.341404	0.586787
Gm42726	-0.43084	0.340618	0.585974
Gria1	-1.24903	0.340377	0.585626
Trim23	-0.21279	0.340336	0.585626
Rexo1	-0.11606	0.340345	0.585626
Wdr55	-0.355	0.340064	0.58529

Pde1c	-0.32846	0.340024	0.585289
Kpna2	-0.30788	0.340002	0.585289
Trim26	-0.11463	0.339726	0.58491
Lrp6	-0.07537	0.339637	0.584824
1110035H	-0.28607	0.339498	0.584672
Mdga1	-0.80751	0.339509	0.584672
Bsdc1	-0.10995	0.339402	0.584621
Naaa	-0.29556	0.339331	0.584603
Pomt1	-0.33854	0.339062	0.584238
Notch3	-0.10294	0.338979	0.584229
4933434E	-0.13253	0.338898	0.584157
Pigu	-0.21982	0.338817	0.584116
Sfi1	-0.30194	0.338762	0.584116
Gm45745	-0.96423	0.338583	0.583949
Kctd15	-0.49509	0.338341	0.58362
Naa50	-0.1023	0.338273	0.583616
Usp21	-0.20116	0.338177	0.583519
Gm43528	-0.91498	0.337935	0.583234
Dab2ip	-0.05899	0.337907	0.583234
2500004C	-0.39202	0.337877	0.583234
Mrpl42	-0.0953	0.337541	0.582868
Hgh1	-0.34987	0.337153	0.582411
Gm6402	-0.41923	0.33696	0.582198
Tmed7	-0.09779	0.336953	0.582198
4632432E	-0.38076	0.336881	0.582198
Higd1a	-0.0799	0.336898	0.582198
Jade3	-0.32079	0.336779	0.582179
Zfp91	-0.08858	0.336642	0.582077
Gm48796	-1.45519	0.336387	0.581703
Fam120b	-0.16358	0.336327	0.581667
Zfp105	-0.26177	0.335436	0.580393
Ccdc181	-0.25012	0.335222	0.580099
Wdfy1	-0.1081	0.335227	0.580099
Trim33	-0.11582	0.334879	0.579765
Gpatch4	-0.23673	0.334646	0.579495
Tti1	-0.25326	0.334547	0.579392
Ufl1	-0.11027	0.334507	0.579392
Sanbr	-0.19804	0.334424	0.579379
Bst2	-0.07581	0.334324	0.579324
Efcab7	-0.35138	0.334168	0.579203
Mief1	-0.21116	0.333996	0.579106
Fam81a	-0.37149	0.333842	0.578974
Gm13031	-1.24778	0.333593	0.578655
Ccdc3	-0.29188	0.333046	0.578196
Gm37694	-0.76429	0.332942	0.578149
Bdh2	-0.55549	0.332793	0.577959
Gm43322	-0.59742	0.332734	0.577955

Dnmt3b	-0.31434	0.332752	0.577955
AW54987	-0.1359	0.332744	0.577955
Gm43231	-0.90512	0.33253	0.57777
Gm29650	-0.56625	0.332456	0.577707
Snx29	-0.32639	0.33224	0.577399
Gm42611	-0.31025	0.331868	0.576886
Mtf2	-0.1191	0.331886	0.576886
Fnbp4	-0.11961	0.331853	0.576886
Seh1l	-0.13553	0.331623	0.576729
Ubxn8	-0.19158	0.331277	0.576379
Wfdc3	-1.17159	0.331108	0.576346
Gm14419	-0.69161	0.331133	0.576346
Gm13524	-0.92414	0.331021	0.576284
Dis3l	-0.25498	0.331005	0.576284
Sh3yl1	-0.293	0.330912	0.576284
Kif1a	-0.19664	0.330921	0.576284
Wdr4	-0.31401	0.330812	0.576284
ENSMUSG	-0.76263	0.330548	0.57593
Kif4	-1.08165	0.330517	0.57593
Stk35	-0.11299	0.330371	0.575823
Gm12328	-0.49582	0.330137	0.575615
Gm13861	-0.14618	0.32995	0.57549
Gm20536	-0.41346	0.329301	0.57456
Rgs8	-0.85399	0.329186	0.574493
Cggbp1	-0.07858	0.32929	0.57456
Mrpl37	-0.18398	0.328974	0.574256
Ryk	-0.09537	0.328921	0.574231
1110006O	-0.63151	0.328664	0.574001
4930412F	-0.66243	0.328324	0.573724
2810454H	-0.21902	0.32829	0.573724
Prdx6	-0.07906	0.328088	0.573512
Zfp768	-0.18898	0.327934	0.57331
Tex15	-0.86398	0.327127	0.572367
Nopchap1	-0.18635	0.32717	0.572376
Mppe1	-0.2314	0.326698	0.571884
Ipo7	-0.11832	0.326298	0.57133
Gdap2	-0.19418	0.326081	0.571071
Gm10037	-0.88419	0.325938	0.57094
Wdr48	-0.13244	0.325968	0.57094
Dpyd	-0.66922	0.325923	0.57094
0610038B	-0.52248	0.325939	0.57094
Snrnp27	-0.08791	0.325677	0.570898
Dlg2	-0.39676	0.325601	0.570834
Wdr61	-0.10455	0.325603	0.570834
Ube4b	-0.1291	0.325492	0.570797
Wdr54	-0.40391	0.325393	0.570797
Pcnt	-0.13634	0.325331	0.570759

Phxr4	-0.17127	0.325175	0.570551
Stox2	-0.10297	0.324886	0.570111
Rif1	-0.09665	0.324715	0.569878
Med25	-0.14396	0.324682	0.569878
Med9	-0.14099	0.324682	0.569878
Ddx11	-0.40889	0.324331	0.569471
Gm42551	-0.40694	0.324219	0.569382
Bach1	-0.10503	0.324242	0.569382
Nbeal1	-0.06644	0.323501	0.568281
Gm16740	-0.30067	0.322853	0.567341
Frk	-0.2899	0.32275	0.567228
Git1	-0.10289	0.322201	0.566529
Slc9a5	-0.42231	0.321888	0.566184
Pgd	-0.16129	0.321891	0.566184
Trrap	-0.1091	0.321743	0.566139
Sass6	-0.25725	0.321566	0.56601
Zmym6	-0.2504	0.321526	0.566007
E2f4	-0.14533	0.321507	0.566007
Hcfc2	-0.18558	0.321085	0.565562
Yipf4	-0.08681	0.321038	0.565546
Slc25a37	-0.20417	0.320772	0.565212
Cdan1	-0.20153	0.320767	0.565212
Gm33195	-0.43424	0.320382	0.564871
Mrps12	-0.11722	0.320392	0.564871
D430040D	-0.37649	0.320276	0.564833
Sox5	-0.2155	0.320207	0.564833
Ermard	-0.24746	0.320157	0.564833
9130023H	-0.37163	0.320132	0.564833
Kctd5	-0.20858	0.320143	0.564833
Chchd10	-0.11153	0.319808	0.564708
Ln timer	-0.6754	0.319618	0.564507
Kcna6	-0.97586	0.31948	0.564446
Apc	-0.07944	0.319546	0.564446
Lrrc57	-0.1706	0.319524	0.564446
Prpf4	-0.12965	0.319444	0.564446
Irf2bp1	-0.13837	0.319388	0.564434
Def8	-0.23734	0.319285	0.564404
Anapc7	-0.14653	0.319287	0.564404
Srgap1	-0.1386	0.319221	0.564404
Arfgef1	-0.09572	0.31917	0.564404
Itch	-0.0952	0.318941	0.564109
Otud3	-0.37581	0.318563	0.563606
Slfn5	-0.06651	0.318542	0.563606
1700028E	-0.62161	0.318435	0.563606
Gm43009	-0.35066	0.318243	0.563474
Nedd8	-0.05914	0.318002	0.563247
Mest	-0.30945	0.317873	0.563247

Ecsit	-0.18013	0.317554	0.562986
Gm44708	-16.8304	0.317364	0.562944
Gm37717	-18.0443	0.317364	0.562944
Dnai3	-15.595	0.317364	0.562944
Trim60	-15.7418	0.317364	0.562944
Wdr93	-15.777	0.317364	0.562944
Gm37904	-15.7976	0.317364	0.562944
Gm7420	-15.1624	0.317364	0.562944
Gm5398	-15.4561	0.317364	0.562944
Gm11368	-15.6909	0.317364	0.562944
Gm15520	-15.991	0.317364	0.562944
Coa5	-0.18401	0.316965	0.562944
Haus6	-0.26458	0.316955	0.562944
Gm12258	-0.34038	0.316719	0.562772
Klhl33	-0.85291	0.316351	0.562319
Vbp1	-0.09424	0.316099	0.562071
Gm26691	-1.12579	0.316043	0.562038
Col9a1	-0.3761	0.315906	0.561865
Zfp966	-0.70772	0.315821	0.561861
Gm44673	-0.68143	0.315419	0.561328
Adra2c	-0.86639	0.315245	0.561152
Tmx1	-0.11057	0.314826	0.560555
Abcg3	-0.43209	0.314636	0.560334
Zfp2	-0.32227	0.314527	0.560323
Pin4	-0.12221	0.314507	0.560323
Senp6	-0.07946	0.314267	0.560143
Add3	-0.07592	0.313767	0.559518
Tmx4	-0.10111	0.313572	0.559304
Impact	-0.15085	0.313484	0.55924
Ino80	-0.14897	0.313442	0.55924
Gm14505	-0.66321	0.313221	0.558944
Sh3rf3	-1.14421	0.313077	0.558755
Abcc10	-0.42804	0.312788	0.558372
Ndst2	-0.23342	0.312828	0.558376
Ntng2	-0.74959	0.312515	0.558017
Zkscan2	-0.29993	0.312486	0.558017
Dynlt1b	-0.5497	0.31243	0.557999
Dlg3	-0.3308	0.312253	0.557881
Tbc1d31	-0.50067	0.312246	0.557881
Ppp2r5b	-0.20515	0.312119	0.557776
Tmem150	-0.27726	0.312017	0.557727
Fth-ps2	-0.82408	0.311865	0.557586
Gm28959	-0.96529	0.311708	0.55744
Arhgef6	-0.20191	0.31166	0.55742
Gm15712	-0.46158	0.311314	0.557013
Tubd1	-0.3733	0.311085	0.556792
Hsd1l	-0.17104	0.311057	0.556792

Mea1	-0.12161	0.310979	0.556792
Gm44434	-0.63062	0.31075	0.556734
Eps15	-0.11089	0.310765	0.556734
Mrps6	-0.16143	0.310613	0.556613
5830416I1	-0.51834	0.31032	0.556221
Pigo	-0.35332	0.310258	0.556185
9330159F1	-0.91186	0.309884	0.555771
Commd1	-0.09415	0.310002	0.555916
Gm12251	-0.76768	0.309842	0.555763
Cdk13	-0.101	0.309818	0.555763
Atf7	-0.11414	0.309674	0.555661
Trmt2b	-0.20527	0.30946	0.555499
Pdss2	-0.26403	0.308968	0.554859
Morc2a	-0.17375	0.308878	0.554765
Raf1	-0.11713	0.308809	0.554707
Ireb2	-0.12508	0.30868	0.554608
Atp11a	-0.11129	0.308592	0.554517
Ifi203-ps	-0.26813	0.308574	0.554517
Hsbp1	-0.07317	0.308186	0.553988
Tmem91	-0.71809	0.308051	0.553815
Tex261	-0.09682	0.308053	0.553815
Rad54l2	-0.15002	0.30795	0.553763
Selenow	-0.05096	0.306836	0.552622
Tmed1	-0.19381	0.306359	0.551896
Gm7972	-0.76893	0.306243	0.551863
Nt5c3	-0.17362	0.306269	0.551863
Zmpste24	-0.11451	0.306161	0.551805
Cyp4f16	-0.31431	0.305963	0.551521
RbmX	-0.13403	0.305634	0.551055
Hdac2	-0.11439	0.305319	0.550751
Zmat2	-0.09586	0.305148	0.550567
Gm15956	-1.01623	0.304997	0.55037
Tubb2b	-0.31562	0.304953	0.550356
4930503L1	-0.15012	0.30487	0.550273
Krtcap3	-0.60094	0.304609	0.550001
1600017P1	-0.82809	0.304507	0.54995
Nolc1	-0.1261	0.304563	0.549984
Al480526	-0.19735	0.304057	0.549469
H3f3a	-0.03934	0.304015	0.549458
Gm38250	-1.06298	0.303838	0.549205
Vamp2	-0.0923	0.303813	0.549205
Usp7	-0.0912	0.303743	0.549166
Rbck1	-0.11253	0.303718	0.549166
Uqcrc2	-0.08103	0.303712	0.549166
Ndor1-1	-0.6233	0.303625	0.549166
Jagn1	-0.14868	0.303102	0.548583
2810030D	-0.28121	0.302727	0.548137

Ift74	-0.19187	0.302735	0.548137
Nap1l5	-0.47434	0.302535	0.547974
Srgap3	-0.22068	0.302414	0.547886
Myct1	-0.1259	0.302137	0.547585
Dhx57	-0.21332	0.301543	0.54684
Cog2	-0.19885	0.301465	0.546764
Gm47218	-0.60713	0.301331	0.546652
Zfp644	-0.07941	0.301299	0.546652
Sirt7	-0.149	0.300998	0.546314
Gm16055	-0.60826	0.300775	0.546041
Grap	-0.11962	0.300504	0.545814
Enox1	-0.51933	0.300247	0.54548
Scnm1	-0.1808	0.300058	0.545398
Kdm5a	-0.1019	0.299997	0.545356
Pkn2	-0.07936	0.299893	0.545299
Gm45179	-0.97733	0.299663	0.545193
Padi2	-0.42943	0.299611	0.545193
Usp45	-0.21392	0.299539	0.545193
Drosha	-0.16825	0.299387	0.545041
Pcnx3	-0.15903	0.299127	0.544701
Chrnbl	-0.30951	0.29894	0.544426
Gm43920	-0.59207	0.298827	0.544286
Eno2	-0.17981	0.298801	0.544286
Cep295	-0.17009	0.298554	0.544112
Enoph1	-0.2097	0.298382	0.543936
Pla2g5	-0.20131	0.298193	0.543794
Tpr	-0.06373	0.298064	0.543624
Rnf214	-0.15578	0.297889	0.543437
Chchd1	-0.09386	0.297825	0.543387
H3c15	-0.60831	0.297607	0.543122
1110051N	-0.23069	0.297127	0.542444
Bloc1s6os	-0.68988	0.296528	0.541681
C920006O	-0.52785	0.296592	0.541732
Ccdc84	-0.23741	0.296505	0.541681
Setd2	-0.09814	0.296477	0.541681
Gm17491	-0.26913	0.296449	0.541681
Bex2	-0.28906	0.296236	0.541412
Ust	-0.52483	0.296178	0.541371
Dpy30	-0.10644	0.295961	0.541107
Polr2k	-0.09074	0.29587	0.541107
Lcor	-0.17048	0.295804	0.541085
Axl	-0.14085	0.29568	0.540955
Peg10	-0.82589	0.294966	0.540146
Dnajc12	-0.22222	0.294874	0.540044
Nudt6	-0.35754	0.294721	0.539955
Traf3ip1	-0.22905	0.294625	0.539852
Ptges2	-0.21702	0.294549	0.539852

Prkar1a	-0.05991	0.294565	0.539852
Gm10130	-0.52118	0.294339	0.53979
Sacs	-0.21825	0.294157	0.539588
Gm43799	-1.0868	0.294022	0.539474
Prpf18	-0.15321	0.293979	0.539474
Sike1	-0.11	0.293729	0.539199
C030014I2	-0.3003	0.293329	0.538531
Pitpnm3	-0.19783	0.293133	0.538303
A430110C	-0.54085	0.292794	0.537747
Ndufs8	-0.10836	0.292661	0.537568
Zfp810	-0.22068	0.292386	0.537435
Adora1	-0.41579	0.292403	0.537435
Gbf1	-0.11513	0.292409	0.537435
Eif4a3	-0.11326	0.292357	0.537435
Mkks	-0.23686	0.292312	0.537435
Prmt8	-1.02157	0.291947	0.537114
Gm48146	-0.40118	0.292027	0.537196
Rmst	-1.02315	0.291937	0.537114
Gm37879	-0.41212	0.291751	0.536952
Insyn2a	-0.96675	0.291623	0.536781
Xpnpep3	-0.25684	0.291576	0.536781
Acad8	-0.1922	0.291483	0.536781
Isca2	-0.13557	0.291262	0.536513
Prdm5	-0.20775	0.290963	0.536029
Inpp5e	-0.27663	0.290945	0.536029
Snapin	-0.13904	0.290729	0.535879
Rgs9	-0.17685	0.290532	0.535879
G6pdx	-0.23363	0.290321	0.535636
Pgc	-0.72409	0.290159	0.53547
Gpc1	-0.58616	0.290117	0.535459
2610021A	-0.34863	0.290118	0.535459
Gm44144	-0.61958	0.289823	0.535179
Slc25a45	-0.25181	0.289706	0.535028
Rnf187	-0.08426	0.289654	0.535014
Dnajc28	-0.33624	0.289415	0.534822
Gdf11	-0.23629	0.289408	0.534822
Auh	-0.16192	0.289314	0.534766
Lig4	-0.27231	0.289284	0.534766
Vasp	-0.10398	0.289257	0.534766
Specc1l	-0.09689	0.288993	0.53457
Ppm1e	-0.35378	0.288942	0.53457
Map3k11	-0.1225	0.288944	0.53457
Cnksr2	-0.52026	0.288858	0.53457
A430005L	-0.15632	0.288615	0.534332
Sned1	-0.23196	0.288436	0.534233
Ln timer	-0.13263	0.288434	0.534233
Gm4258	-0.19237	0.288373	0.534233

Nup160	-0.19213	0.28835	0.534233
Zbtb14	-0.16692	0.288298	0.534233
Tfip11	-0.20041	0.288187	0.534204
Nudcd3	-0.09326	0.288116	0.534204
2300009A	-0.13311	0.288088	0.534204
3830408C	-0.52074	0.287846	0.534106
Kdm4c	-0.1366	0.287886	0.534106
Gtf3c4	-0.23342	0.287852	0.534106
Pcgf1	-0.30676	0.287707	0.534038
Nae1	-0.11336	0.287335	0.533413
Ina	-0.84629	0.287149	0.533267
Ublcp1	-0.14227	0.287223	0.533322
Zzef1	-0.15115	0.287074	0.53326
Ak6	-0.18024	0.286992	0.533173
Rrp8	-0.19955	0.2867	0.532829
Paics	-0.11828	0.28645	0.532497
Mmachc	-0.52478	0.286263	0.532216
Sucla2	-0.12461	0.286015	0.531886
Arhgef33	-0.78253	0.285853	0.531775
Ipmk	-0.13618	0.285897	0.531775
Odad1	-0.43732	0.285509	0.531341
Tafa3	-0.48819	0.285146	0.530732
Snx14	-0.18501	0.28513	0.530732
Arhgef15	-0.10871	0.285099	0.530732
Gm44616	-0.69409	0.284919	0.530508
Fancf	-0.37726	0.284828	0.53047
Yars2	-0.33568	0.284655	0.530279
Slc24a4	-1.00738	0.284473	0.530165
Rchy1	-0.12481	0.284195	0.529883
Hmgn5	-0.13046	0.284151	0.529869
Itgav	-0.15013	0.283965	0.529588
Gm3793	-1.00808	0.283443	0.528812
Skp1	-0.07912	0.283065	0.528303
Ttll13	-0.62718	0.282738	0.527827
Vash1	-0.4008	0.282739	0.527827
Scfd1	-0.14332	0.282571	0.527644
Acss3	-0.68677	0.2825	0.527578
Jph1	-0.55023	0.282337	0.527405
Etnk1	-0.08121	0.282215	0.527368
Psat1	-0.26317	0.282129	0.527368
Trappc8	-0.13398	0.281721	0.526977
Mrpl28	-0.12793	0.281456	0.526679
Brd3os	-0.3786	0.28135	0.526547
Plxdc1	-0.17515	0.281341	0.526547
Meg3	-0.19578	0.281255	0.5265
Grb10	-0.11763	0.280745	0.525676
Tmem106	-0.11537	0.28065	0.525631

Pms1	-0.31743	0.280467	0.525459
4933415A	-0.57523	0.280098	0.524925
Smarcad1	-0.16243	0.279553	0.524101
4930518I1	-0.45847	0.279149	0.523581
Zfp318	-0.14349	0.279171	0.523581
Evi5	-0.09853	0.278808	0.523031
Eif4g3	-0.08939	0.278274	0.522291
Heatr1	-0.33824	0.278247	0.522291
Mfap1a	-0.12403	0.277866	0.521796
Rhbdf1	-0.17255	0.277765	0.521729
D930030IC	-0.98121	0.277644	0.521676
Abca7	-0.17418	0.27759	0.521661
Zfp397	-0.1357	0.277581	0.521661
Mutyh	-0.42964	0.277355	0.521482
Traf6	-0.19433	0.276883	0.520922
Dhrs3	-0.10572	0.276767	0.520768
Polr2b	-0.1387	0.276581	0.520483
Pik3cb	-0.22428	0.276488	0.520374
Htr1b	-0.2763	0.276442	0.520353
Pias3	-0.15089	0.276347	0.52024
Dpy19I3	-0.39891	0.276167	0.520016
Gm37233	-0.79736	0.276078	0.519998
Utp25	-0.2617	0.275994	0.519968
Ccpg1os	-0.36852	0.275781	0.519635
Pcdhgb7	-0.76752	0.275553	0.519398
Cacna2d4	-0.19106	0.275456	0.519398
Ano8	-0.42433	0.275186	0.51923
Mtmr14	-0.23447	0.275166	0.51923
Gstm4	-0.40404	0.275093	0.519186
Cerkl	-0.35006	0.27501	0.51916
Polr3c	-0.21468	0.274905	0.519027
Ncbp3	-0.14971	0.274874	0.519027
Psme2b	-0.20071	0.274664	0.518701
2900052L1	-0.29261	0.274529	0.518681
Tmco1	-0.07759	0.274529	0.518681
Trpm7	-0.1017	0.274317	0.51857
Zfp553	-0.21988	0.274242	0.518557
Cnst	-0.2161	0.274276	0.518557
Sez6l2	-0.4328	0.273753	0.517895
Zfp114	-1.31087	0.27307	0.516931
Ndufs5	-0.08755	0.273127	0.516973
Gpatch2l	-0.23057	0.272654	0.516297
Naa35	-0.12269	0.272458	0.516167
Ift22	-0.22903	0.272446	0.516167
Crygs	-0.50075	0.272339	0.516167
Arhgap29	-0.06577	0.272361	0.516167
Arell	-0.23575	0.272268	0.516167

Riad1	-0.90521	0.272068	0.515947
Cep78	-0.3228	0.271987	0.515859
Ptpn23	-0.20494	0.271712	0.51543
Zfp157	-0.23256	0.271589	0.5153
Mdh2	-0.08453	0.271236	0.514695
Dusp19	-0.35581	0.271175	0.514645
Ddx27	-0.15518	0.271135	0.514635
Gm37082	-0.21436	0.271065	0.514567
Prdm1	-0.22242	0.270879	0.514279
Tet3	-0.11141	0.270583	0.513847
Ppfia1	-0.12152	0.270022	0.513106
Ablim2	-0.51597	0.26993	0.513098
Tsr2	-0.21488	0.269983	0.513098
Ankrd33	-0.22722	0.269903	0.513098
Rps6ka2	-0.48673	0.269772	0.512958
Gm17690	-0.71771	0.26975	0.512958
Clptm1l	-0.14542	0.269738	0.512958
Mrm2	-0.29488	0.269736	0.512958
BC055308	-0.51043	0.269703	0.512958
A430033Kl	-0.27559	0.269576	0.512958
Rab3gap1	-0.12818	0.269498	0.512958
Gm33497	-1.68059	0.269266	0.512581
Stag1	-0.09	0.268915	0.512108
Spopl	-0.1616	0.268828	0.512008
D830035M	-1.17626	0.26852	0.511616
Thsd7a	-0.38059	0.26848	0.511605
Pde6b	-0.09286	0.268425	0.511574
Pebp1	-0.07153	0.268259	0.511425
4833417C	-0.46968	0.26811	0.511291
Zfp607b	-0.37291	0.267592	0.510627
1600012H	-0.1972	0.26734	0.510472
Rnf13	-0.1175	0.26724	0.510347
Crispld2	-0.65776	0.26721	0.510347
Vstm2b	-0.92456	0.267048	0.510241
Alkbh5	-0.08959	0.266851	0.51006
Emb	-0.97829	0.266458	0.509681
Chd9	-0.12674	0.266541	0.509681
Tspoap1	-0.42819	0.266461	0.509681
Cfap70	-1.4634	0.266073	0.509352
Mpp4	-0.1368	0.266146	0.509428
Cwf19l2	-0.11705	0.26602	0.509316
Nckap1	-0.08604	0.265983	0.509311
Bicral	-0.15312	0.265858	0.509186
Gm37390	-0.26878	0.265863	0.509186
Pten	-0.07581	0.265294	0.508315
Cntl	-0.12786	0.26516	0.508124
Wbp4	-0.09291	0.26504	0.508024

Chst3	-0.38268	0.264983	0.507981
Sap30l	-0.10733	0.264809	0.507712
Gm26873	-0.78087	0.264573	0.507324
Gm37181	-18.2436	0.264347	0.507225
Jtb	-0.12517	0.264408	0.507267
Zkscan3	-0.11134	0.264342	0.507225
Gm48890	-0.46183	0.264257	0.507225
Rab28	-0.11531	0.264268	0.507225
Fbxl15	-0.22161	0.26421	0.507225
Anp32a	-0.05623	0.263976	0.506894
Cat	-0.12981	0.263936	0.506882
Csnk2a1-p	-0.37626	0.263836	0.506758
Ascl4	-1.66026	0.263336	0.506054
Tlcd3b	-0.10289	0.263297	0.506043
Hccs	-0.19061	0.263266	0.506043
Primpol	-0.34519	0.263041	0.505748
Ints14	-0.24596	0.262839	0.505423
Chd1	-0.10841	0.262564	0.50509
Nudt5	-0.1759	0.262529	0.505087
Gm42600	-0.54401	0.26243	0.505035
Ric1	-0.15075	0.262435	0.505035
Dcakd	-0.2435	0.262415	0.505035
Cyld	-0.15989	0.262411	0.505035
Trappc9	-0.17647	0.262301	0.505035
Ggnbp1	-0.59197	0.261985	0.504525
Pbld2	-0.89756	0.26169	0.504163
Nudt17	-0.44094	0.261338	0.504071
Snhg18	-0.14262	0.261361	0.504071
Gm43173	-1.27531	0.261058	0.503745
Gm45853	-0.55219	0.261018	0.503732
Setdb2	-0.36325	0.260841	0.503522
Arhgef12	-0.06524	0.260804	0.503515
Hectd2os	-0.81232	0.260447	0.502955
Akr1e1	-0.21838	0.26033	0.502793
Abhd17a	-0.08962	0.260282	0.502767
Gm36638	-0.74154	0.26021	0.502757
Gm26954	-0.82218	0.259868	0.50216
Gm38020	-0.67198	0.259666	0.501836
Qser1	-0.12748	0.259625	0.501836
Maea	-0.13287	0.259615	0.501836
1010001B	-0.5643	0.259506	0.501785
Pik3ca	-0.11052	0.259354	0.50162
Natd1	-0.30688	0.258964	0.501189
mt-Tp	-0.5018	0.258725	0.500857
Bahcc1	-0.24155	0.258328	0.500219
5430434F	-0.54971	0.258104	0.500108
Slc17a8	-1.21365	0.257965	0.499968

Rab11fip2	-0.16249	0.257944	0.499968
Peg3	-0.16179	0.257899	0.499968
Gak	-0.16063	0.25788	0.499968
Scamp5	-0.2109	0.257856	0.499968
Iigp1	-0.13471	0.257732	0.499968
Mterf1a	-0.33332	0.257723	0.499968
4930466K	-0.43243	0.257449	0.499679
Fign	-0.36843	0.256958	0.498895
Ipo13	-0.28557	0.256978	0.498895
Nup85	-0.22923	0.256753	0.498652
Zbtb38	-0.09726	0.256564	0.498415
Trpc4	-0.3035	0.256369	0.49823
Tufm	-0.19788	0.256128	0.49789
Ptprn2	-1.63471	0.255651	0.497221
Nf1	-0.12946	0.255434	0.496992
Gm42447	-0.87013	0.255275	0.496765
Ints10	-0.22707	0.255284	0.496765
Gm15587	-0.64356	0.255186	0.496734
Ndufs4	-0.10236	0.255202	0.496734
Zfp786	-0.89095	0.255045	0.496622
Abat	-0.22489	0.255133	0.496731
Gm14418	-0.55499	0.255014	0.496622
Bysl	-0.25965	0.254951	0.496622
C230013L	-0.54643	0.25487	0.496605
Plagl1	-0.4712	0.254823	0.496577
Ift80	-0.25239	0.254792	0.496577
Lrrc75b	-0.3761	0.254693	0.496453
Fank1	-1.42189	0.254332	0.49588
Bace1	-0.17513	0.254425	0.495997
Syng1	-0.26657	0.254157	0.495667
Ccn4	-0.45491	0.253913	0.49532
Ndufs5-ps	-0.16925	0.25385	0.495263
Prkab2	-0.25406	0.253479	0.494731
Sun2	-0.15801	0.253406	0.494654
Gm42448	-1.16363	0.253232	0.494378
Ush2a	-0.41866	0.253161	0.494305
Trerf1	-0.26177	0.252966	0.494052
Atp5e	-0.05624	0.252695	0.493652
Chd8	-0.11066	0.252502	0.493532
Gm15828	-1.48242	0.2523	0.493395
Cwc22	-0.18752	0.252384	0.493413
Nim1k	-0.20197	0.252346	0.493413
Mast2	-0.17697	0.252277	0.493395
Snf8	-0.12385	0.252244	0.493395
Akap8l	-0.12975	0.252112	0.493346
Gm50196	-0.93059	0.251879	0.492959
Afap1l1	-0.08992	0.251704	0.492809

Tsfm	-0.19475	0.25169	0.492809
Gm4149	-0.55137	0.251601	0.492737
4930447C	-0.51929	0.25146	0.49259
Slc7a4	-1.31314	0.251417	0.49257
Map10	-0.37458	0.250945	0.492026
Gm38286	-18.2392	0.250445	0.491445
Agrn	-0.09516	0.250531	0.491541
Zfp280d	-0.12004	0.250449	0.491445
MLlt10	-0.10884	0.250371	0.491419
Pptc7	-0.1755	0.250311	0.491366
Hnrnpc	-0.07954	0.249878	0.490639
Zfp943	-0.25961	0.249529	0.490154
Ttll5	-0.26893	0.249491	0.490143
Gm45178	-1.24674	0.249244	0.489787
Zfp592	-0.15704	0.249149	0.489664
Brms1l	-0.20474	0.249123	0.489664
Trim2	-0.18794	0.248817	0.489203
Zfp280b	-0.34577	0.248718	0.489074
Ak4	-0.4537	0.248033	0.488046
Apbb1ip	-0.88101	0.247628	0.487347
Gm42701	-0.40994	0.247645	0.487347
Trps1	-0.14817	0.247569	0.487326
Spice1	-0.23476	0.247484	0.487287
Kif13a	-0.17439	0.247464	0.487287
Terb1	-0.9184	0.247126	0.486723
Zhx1	-0.11867	0.247132	0.486723
Gm37745	-0.89464	0.246627	0.485982
Gm43283	-0.7698	0.246523	0.485932
Ube3b	-0.18485	0.246536	0.485932
Mycn	-0.43475	0.246395	0.485845
Actr8	-0.17987	0.246325	0.485837
Gpr137b	-0.25115	0.246253	0.485821
Gm14296	-0.35746	0.246163	0.485709
Aopep	-0.10602	0.24612	0.485709
Nphp3	-0.31038	0.24595	0.485607
Gm43029	-0.80979	0.245879	0.485532
Fmn1	-0.57008	0.245725	0.485361
Nt5c	-0.17221	0.245728	0.485361
Flrt3	-1.11627	0.24564	0.485316
Klhdc2	-0.15878	0.245433	0.485035
Gm45200	-0.77687	0.245271	0.48478
Akap6	-0.33482	0.244948	0.484362
Gorasp1	-0.35767	0.244883	0.484362
Nat8f4	-0.95382	0.244677	0.484052
Zfp251	-0.25475	0.244532	0.483837
Med17	-0.18966	0.244514	0.483837
1300002E	-0.16772	0.244406	0.483837

Kat2a	-0.26442	0.243764	0.482883
Amer2	-0.18697	0.243627	0.48274
Mkln1	-0.08602	0.242998	0.481685
Med1	-0.12707	0.242852	0.481523
Camkmt	-0.35763	0.242787	0.481458
Gm43339	-0.49979	0.242686	0.481386
Plekhh3	-0.16947	0.242513	0.48117
Rtn4rl1	-0.32569	0.242471	0.48117
Abcf1	-0.10492	0.242293	0.480947
Mtrr	-0.34836	0.242204	0.480939
Zfp26	-0.2222	0.242128	0.480852
Ddias	-1.13549	0.241709	0.480307
Smurf1	-0.16753	0.24177	0.480317
Vcpip1	-0.14646	0.241726	0.480307
Tceal6	-1.48825	0.241404	0.479925
Rnf146	-0.13042	0.241405	0.479925
Zfp677	-0.86614	0.241314	0.479872
Mmp16	-1.22605	0.241019	0.479414
Mdk	-0.30512	0.240714	0.478989
Fchsd2	-0.15933	0.240656	0.478989
Lsm7	-0.14669	0.240576	0.478913
Olig3	-1.5494	0.240342	0.478638
Mgat3	-0.30715	0.240305	0.478628
Dnph1	-1.25247	0.240252	0.478586
Ttc21b	-0.29629	0.2402	0.478546
B3gntl1	-0.4983	0.240049	0.478373
Kpna3	-0.17667	0.239922	0.478184
Carm1	-0.21391	0.239833	0.478068
Pfkfb2	-0.26076	0.239787	0.478042
Kdm5c	-0.17581	0.239743	0.478017
6430571L1	-0.52003	0.239669	0.477934
Zw10	-0.24545	0.239596	0.477901
Gm48885	-0.47175	0.239598	0.477901
Gm37488	-0.96938	0.239523	0.477896
Nsmce3	-0.14876	0.239395	0.47777
Gsn	-0.24192	0.239352	0.477747
Capn10	-0.36689	0.239316	0.47774
Nxn1	-0.19228	0.23921	0.477591
Alg1	-0.21114	0.239101	0.477501
Pank3	-0.13206	0.239088	0.477501
Cyb5rl	-0.57649	0.238851	0.477128
Letm1	-0.16058	0.23838	0.476378
Pan2	-0.21468	0.238118	0.475919
Eid2b	-0.20353	0.238057	0.475909
Pofut2	-0.1567	0.237714	0.475301
Sh2b1	-0.21641	0.237572	0.475143
Gm42444	-1.31806	0.23745	0.475011

B3galt6	-0.34725	0.237398	0.475011
Tsacc	-0.68903	0.237095	0.474635
Rfx7	-0.1786	0.237042	0.474635
Lss	-0.3409	0.236991	0.474634
Atad5	-0.3359	0.237	0.474634
Mtss2	-0.2321	0.236517	0.474048
Zscan18	-0.45645	0.236388	0.473916
Gm16060	-0.59133	0.236366	0.473916
Ptpn6	-1.0797	0.235934	0.473259
Otub2	-0.49323	0.235733	0.472919
Rtl5	-0.54703	0.235631	0.472841
Fam53c	-0.20964	0.235666	0.472849
Fhod3	-0.3705	0.235387	0.472566
Wdr7	-0.27044	0.235302	0.472561
Slc4a3	-0.39421	0.235117	0.472347
Rsf1	-0.10088	0.235004	0.472297
Rny1	-0.89646	0.234693	0.471782
3110070V	-0.78396	0.234395	0.471319
Wdr47	-0.16952	0.234502	0.471459
Fbxo33	-0.21997	0.234383	0.471319
Mrpl36	-0.14814	0.234256	0.471282
Gm27032	-0.85558	0.234086	0.47105
Dop1a	-0.12864	0.234109	0.47105
Tbx6	-0.72758	0.233922	0.470862
Nudt16l1	-0.18701	0.233894	0.470862
mt-Ts1	-0.73173	0.233839	0.470822
Wapl	-0.08845	0.233637	0.470542
Gm37626	-0.30844	0.233399	0.47019
Tbc1d24	-0.20608	0.233224	0.469901
Atp6v0a2	-0.1596	0.233135	0.469857
Yeats4	-0.16012	0.233065	0.469833
Iftap	-0.16267	0.232944	0.469652
Zrsr1	-0.1538	0.232684	0.469445
Zfp951	-0.53765	0.232465	0.46923
Syncrip	-0.11245	0.232487	0.46923
Cnrip1	-0.24033	0.232302	0.469138
Psmg3	-0.20722	0.232161	0.469021
C230071H	-0.57175	0.232052	0.468905
Clasrp	-0.24491	0.232072	0.468905
Usf3	-0.16686	0.231924	0.468731
Tmem243	-0.12732	0.231611	0.468353
Xndc1	-0.31219	0.231486	0.468163
Mdn1	-0.27084	0.231478	0.468163
Ube4a	-0.16321	0.231417	0.46815
Rccd1	-0.34413	0.231363	0.46815
Lbr	-0.11157	0.231369	0.46815
D73000311	-0.23004	0.231283	0.468132

Nt5e	-0.24644	0.231098	0.467821
Kmt2d	-0.13166	0.231074	0.467821
Bms1	-0.1494	0.231013	0.467821
Gon7	-0.23287	0.23064	0.467272
Mrps35	-0.19447	0.230246	0.466853
Mreg	-0.66652	0.23018	0.466782
St3gal2	-0.16712	0.230172	0.466782
Igsf3	-0.59892	0.230105	0.466757
Ccdc169	-1.53165	0.22986	0.466387
Stx1b	-0.51063	0.229668	0.466123
Gm48532	-1.43836	0.229443	0.465856
Ncl	-0.06692	0.229497	0.465902
A730081D	-0.88122	0.229148	0.465383
Tada2a	-0.18721	0.229117	0.465383
Prxl2c	-0.11728	0.22913	0.465383
Adrb1	-0.42961	0.229012	0.465296
Enox2	-0.26155	0.228835	0.46518
Pot1b	-0.26026	0.228451	0.464471
Nol11	-0.16313	0.228188	0.464127
Ska2	-0.23931	0.228177	0.464127
Spred2	-0.16628	0.228129	0.464127
Secisbp2	-0.1906	0.228014	0.464025
Actr6	-0.21176	0.227648	0.463594
Gm48045	-1.36625	0.227395	0.463332
Papolg	-0.27849	0.227341	0.463284
Arhgap27	-0.15886	0.227322	0.463284
Nop2	-0.3155	0.22723	0.463185
Dnah7b	-0.47821	0.226974	0.462788
Gne	-0.22342	0.227007	0.462793
Zfp3	-0.55136	0.226969	0.462788
Cnot7	-0.15352	0.226958	0.462788
Paqr6	-0.65653	0.226852	0.462788
Mindy3	-0.18874	0.226888	0.462788
Rsb1l	-0.0913	0.226848	0.462788
Syvn1	-0.21011	0.22665	0.462549
Rtbdn	-0.13322	0.226671	0.462549
Nabp2	-0.1461	0.226643	0.462549
Alg13	-0.35501	0.226512	0.462477
Lrrc8e	-1.64441	0.226348	0.462205
Gm10762	-0.41755	0.226314	0.462198
Pdhh	-0.14442	0.225768	0.461272
Gm15672	-0.54473	0.225382	0.460665
Gpx8	-0.19702	0.225409	0.460665
BC029722	-0.17891	0.225351	0.460665
Rpa1	-0.22244	0.225132	0.460286
Ccdc85c	-0.24739	0.22511	0.460286
Cxcl16	-0.3349	0.225056	0.460256

Zfp78	-0.45564	0.22481	0.460025
Rad9b	-0.40297	0.224676	0.45992
H2ac6	-0.56263	0.224618	0.45992
Thop1	-0.38265	0.224535	0.459854
Banp	-0.20307	0.224471	0.459813
Stxbp4	-0.31256	0.22436	0.459776
Gm48566	-1.30614	0.224074	0.459503
Mon2	-0.13845	0.224252	0.459704
Add2	-0.7265	0.22402	0.459494
Sirt3	-0.23956	0.224039	0.459494
Tbcel	-0.16988	0.22379	0.459488
Mphosph1	-0.15527	0.223641	0.459307
Gm44220	-0.19762	0.223576	0.459238
Slc35b2	-0.21901	0.223553	0.459238
Dnah8	-0.30201	0.223488	0.459238
Gm33378	-1.03631	0.223356	0.459226
Mre11a	-0.29284	0.223462	0.459238
Apba3	-0.29474	0.223462	0.459238
Gm3365	-0.96398	0.222734	0.45808
Tom1l2	-0.13033	0.222737	0.45808
Ppwd1	-0.17616	0.222669	0.45808
Mrpl49	-0.18263	0.222556	0.458022
ENSMUSG	-0.19988	0.222522	0.458022
Heatr6	-0.19138	0.22213	0.457397
Nfe2l1	-0.08477	0.221817	0.457129
Glyctk	-0.90302	0.221685	0.456983
Papss1	-0.1387	0.221652	0.456978
Abl1	-0.1855	0.221576	0.45694
Hykk	-0.32843	0.221469	0.456834
5730414N	-0.49918	0.221414	0.456802
Hdgfl2	-0.16447	0.221231	0.456549
Arf3	-0.13363	0.220756	0.456009
Clpx	-0.15021	0.220645	0.456009
Nutf2	-0.72752	0.220184	0.455206
Gm43167	-1.22217	0.220154	0.455206
Spsb4	-18.6606	0.219997	0.455069
Adsl	-0.24928	0.219995	0.455069
Rab36	-0.69486	0.219494	0.454502
Sik3	-0.14715	0.219459	0.454502
Gm37262	-0.82965	0.219286	0.454352
Teddm2	-0.60473	0.219209	0.454312
Qpct	-0.76691	0.219099	0.454217
Klhl36	-0.23883	0.219037	0.45415
Gm28941	-1.05505	0.218586	0.453403
Ube2d-ps	-0.26156	0.218519	0.453328
Miga1	-0.21589	0.21837	0.453081
4930453N	-0.15918	0.218367	0.453081

1500002C:	-0.71135	0.218112	0.452735
Sh3pxd2b	-0.27467	0.218081	0.452735
Lmo2	-0.07828	0.218083	0.452735
Fdft1	-0.27999	0.218072	0.452735
Gm48701	-1.23253	0.217863	0.452579
Prkrip1	-0.18291	0.217886	0.452579
Cd2bp2	-0.19324	0.217839	0.452579
Gnal	-0.69015	0.217754	0.452493
Pag1	-0.37941	0.217547	0.452125
Dnaaf4	-0.80285	0.217419	0.451933
Adam22	-0.61203	0.217424	0.451933
Syne4	-1.22934	0.21728	0.451759
Gm42685	-1.08837	0.217085	0.451478
Pacc1	-0.51139	0.217023	0.451413
Gm37186	-0.54089	0.216929	0.451281
Safb2	-0.13283	0.216248	0.45005
Gm11808	-0.31831	0.215945	0.449733
Gm49159	-18.6583	0.215724	0.449523
Mapk8ip2	-0.58692	0.215795	0.449546
Tmem71	-0.32334	0.215691	0.449516
Usp32	-0.17397	0.215625	0.449442
Gm10575	-0.34439	0.215565	0.449379
Sgtb	-0.30998	0.214828	0.448405
Coro1b	-0.36868	0.214546	0.447989
Srrm1	-0.07853	0.214228	0.447464
Trappc12	-0.22682	0.214011	0.447074
Zfp866	-0.25997	0.213898	0.446958
Anks1	-0.14288	0.213888	0.446958
9330121JC	-1.09086	0.213257	0.44612
Ift57	-0.23225	0.213344	0.446241
Gpm6a	-0.20492	0.213203	0.44607
Gm4673	-0.39439	0.213063	0.445902
Brd9	-0.1218	0.21258	0.445224
Zfp654	-0.1887	0.212545	0.445224
Slc26a8	-1.17619	0.2121	0.444674
Rrp15	-0.24939	0.211961	0.444651
Gm38329	-0.91702	0.211576	0.444149
Retreg3	-0.1534	0.211602	0.444149
Ssbp1	-0.15119	0.211516	0.444149
Clec2l	-1.41657	0.211381	0.443932
Gm10097	-0.5889	0.211269	0.443802
Gvin1	-0.44834	0.211134	0.443725
Mettl2	-0.36869	0.210968	0.443626
Npas3	-0.75082	0.210689	0.443102
4930431P:	-0.35724	0.210639	0.443059
St8sia2	-0.53986	0.210605	0.443049
Gm10353	-0.66569	0.210472	0.442894

Syp	-0.19022	0.210471	0.442894
Gm37802	-1.14852	0.210344	0.442872
Katnip	-0.1814	0.210435	0.442894
Gm43750	-1.60012	0.210235	0.442768
Nrp2	-0.12152	0.210333	0.442872
Psd	-0.28949	0.21022	0.442768
Arid1a	-0.09356	0.210227	0.442768
Ccdc126	-0.18586	0.210202	0.442768
Rbm7	-0.11311	0.210163	0.442768
Dnal1	-0.30486	0.210122	0.442768
Dync1i2	-0.08356	0.210128	0.442768
9530085L1	-0.34028	0.210088	0.442768
Zfp146	-0.34634	0.210073	0.442768
Dach2	-0.83966	0.210046	0.442768
Gm15983	-0.97514	0.209934	0.442757
Pard6a	-0.29961	0.209928	0.442757
Gm43513	-0.73535	0.209674	0.442396
Pigm	-0.22102	0.209745	0.442483
Gm48870	-0.5196	0.20964	0.442385
Ppa2	-0.17344	0.209622	0.442385
3110001I2	-0.55261	0.20953	0.442344
E130309D	-0.27899	0.209529	0.442344
Polr3b	-0.32867	0.209467	0.442344
Cdadcl	-0.19113	0.209268	0.442101
Rpf1	-0.16475	0.209092	0.441791
Sarm1	-0.52025	0.208814	0.441264
Ube2t	-0.72405	0.208449	0.440681
Arrb2	-0.27897	0.208515	0.440756
Man1c1	-0.23109	0.208184	0.440307
Slc22a29	-1.50019	0.207932	0.439837
Nab1	-0.12491	0.207665	0.439394
Gm47160	-0.28055	0.207608	0.439337
Uba6	-0.21842	0.20759	0.439337
Yipf6	-0.1779	0.207512	0.439337
Ccnc	-0.2269	0.20704	0.438693
Gm45343	-0.44171	0.206747	0.438196
Tmem229l	-0.26165	0.206778	0.438199
Ptpn20	-17.8576	0.206548	0.438023
Golga1	-0.19275	0.206723	0.438196
Gm42597	-17.1312	0.206432	0.437837
Zfp334	-0.33157	0.206584	0.438036
Plk5	-0.22639	0.206415	0.437837
Gm45289	-0.63867	0.206336	0.437758
Vps33a	-0.25058	0.206315	0.437758
Aftph	-0.12921	0.206013	0.437259
Recql	-0.31163	0.205796	0.436985
Prtg	-0.56523	0.205613	0.436659

Eaf1	-0.19585	0.205569	0.436626
Map2k5	-0.24929	0.205435	0.436403
Celf4	-0.32487	0.205231	0.436031
Supt4a	-0.11254	0.204964	0.43565
Gm42801	-1.65627	0.204479	0.434924
Hrc	-0.33173	0.204385	0.434851
Nfatc3	-0.15775	0.204112	0.434512
Gm45159	-0.88319	0.204032	0.43447
Ptpn2	-0.22711	0.204075	0.434501
Akap8	-0.12678	0.203987	0.43447
Fastkd2	-0.50555	0.203932	0.43447
Gm5914	-0.34566	0.20394	0.43447
Amz2	-0.17805	0.203787	0.43447
Gramd3	-0.41203	0.203695	0.434372
Rps15a-ps	-0.81829	0.202986	0.433229
Tmem186	-0.38393	0.202878	0.433062
Depdc5	-0.2684	0.202836	0.433034
Shisa4	-0.33438	0.202813	0.433034
Gm42940	-0.76183	0.202435	0.432437
Mccc1	-0.2771	0.202308	0.432276
Katnb1	-0.36409	0.202247	0.432206
Slc25a33	-0.19256	0.202226	0.432206
Rassf9	-0.10581	0.202144	0.432109
Nup43	-0.40569	0.201903	0.431719
Gm44676	-18.7776	0.201706	0.431543
Gm18194	-0.77508	0.201772	0.431561
Lifr	-0.11656	0.201761	0.431561
Kif5c	-0.3004	0.20149	0.431204
Rdh12	-0.15254	0.201028	0.430401
Wnk3	-0.83406	0.20092	0.43023
Zfp780b	-0.25649	0.200809	0.430054
Tmem62	-0.44581	0.200742	0.429972
Hebp2	-0.34604	0.20049	0.429617
LTO1	-0.27607	0.200422	0.429534
Ccdc113	-0.73563	0.200001	0.428816
4921504A	-0.87595	0.199741	0.428564
Ddx51	-0.37043	0.199574	0.428385
Scg3	-0.48133	0.199479	0.428248
Gm49085	-0.85242	0.199313	0.427952
Armc6	-0.45604	0.199051	0.427635
Gm37607	-0.6017	0.19864	0.427137
6430590A	-0.26878	0.198612	0.427137
Igip	-0.17887	0.198618	0.427137
Pccb	-0.30885	0.198573	0.427137
Lsm3	-0.18513	0.198574	0.427137
Hlf	-0.14336	0.198108	0.426623
Faim2	-0.9677	0.197949	0.426553

Lonp2	-0.15686	0.198007	0.426617
Zfp874b	-0.33957	0.197775	0.426241
Srp68	-0.17347	0.197758	0.426241
A830082N	-0.50786	0.197559	0.425897
Hsf1	-0.19252	0.197209	0.425325
Pou3f2	-1.11926	0.196558	0.424166
Pdgfa	-0.15244	0.196651	0.424184
Mtrf1l	-0.26549	0.196514	0.424132
Commd9	-0.26274	0.196279	0.423852
Gm49201	-1.04003	0.196098	0.423662
Pwwp3b	-0.46332	0.195948	0.42346
Morn4	-0.63121	0.195923	0.42346
Gm37409	-1.20625	0.19574	0.423407
Ubqln2	-0.15288	0.19589	0.423457
Gm38042	-0.42606	0.195803	0.423407
Gabpa	-0.17565	0.195826	0.423407
Galnt10	-0.20477	0.195838	0.423407
Yif1a	-0.18897	0.195741	0.423407
Olfml3	-0.81897	0.195591	0.423301
Dnajc21	-0.147	0.195652	0.423371
Snrnp25	-0.25552	0.19534	0.423001
Uck1	-0.27562	0.195274	0.422919
Zcchc4	-0.33154	0.195235	0.422896
Gm10062	-0.6484	0.19502	0.422637
Rad1	-0.28261	0.194974	0.422636
Gm13835	-0.90591	0.194123	0.421363
Clu	-0.15862	0.194191	0.421363
Tax1bp1	-0.0732	0.193856	0.421049
Snhg9	-0.28749	0.193737	0.420869
Slc1a3	-0.26719	0.193402	0.420386
Tmcc1	-0.13291	0.193269	0.420219
Cul9	-0.3062	0.193147	0.420074
Edrf1	-0.27777	0.192882	0.419742
Clec11a	-0.84626	0.192648	0.419295
Gabrg2	-1.18147	0.192493	0.419017
Rxra	-0.19974	0.192258	0.418645
Nup133	-0.27028	0.192223	0.418645
Frrs1l	-1.30095	0.191963	0.418473
Rpp30	-0.20652	0.192105	0.418605
Rbm14	-0.2549	0.192108	0.418605
Wdr41	-0.3489	0.191778	0.418131
Prr11	-0.74746	0.19151	0.417668
Gm37663	-0.43377	0.191336	0.417592
Ice2	-0.26594	0.191289	0.41755
Dvl2	-0.31202	0.191171	0.417476
1700019D	-0.58724	0.19116	0.417476
4921507G	-18.4874	0.190904	0.417136

Sema5b	-0.99143	0.190854	0.417087
Gm14541	-1.6045	0.190625	0.416856
Tbc1d16	-0.32553	0.190705	0.416883
Snx8	-0.44068	0.190592	0.416856
Crispld1	-0.22934	0.190559	0.416856
Cdr2	-0.20121	0.190442	0.416856
Sptb	-0.54056	0.190369	0.416856
Crocc	-0.22916	0.190092	0.416394
Ppp2r1a	-0.1227	0.190091	0.416394
Gm31282	-1.27876	0.189925	0.416213
Crybb3	-0.35555	0.190019	0.416357
Jam3	-0.22331	0.189916	0.416213
Adcy9	-0.22115	0.189739	0.416047
Gm10244	-1.24187	0.189271	0.415405
Lynx1	-0.23876	0.189196	0.415343
Cep63	-0.23431	0.189	0.415157
Stab1	-0.17282	0.188953	0.415114
Usf1	-0.20005	0.188887	0.415079
Brf1	-0.22446	0.188836	0.415039
H4f16	-0.61179	0.18871	0.414825
Irgq	-0.2552	0.188437	0.414407
Otud4	-0.14197	0.188414	0.414407
Fbf1	-0.29539	0.188369	0.414378
0610009B	-0.18904	0.188063	0.413888
Spg7	-0.18649	0.187476	0.4129
Bcl2	-0.25186	0.187365	0.412837
Gm45235	-1.44578	0.187123	0.412425
Ube2n	-0.12025	0.187043	0.412311
A930003O	-0.37992	0.186832	0.411905
Zmym1	-0.29085	0.18665	0.411625
C2cd5	-0.22753	0.186615	0.411608
Tbccd1	-0.33033	0.18657	0.411608
Gm38387	-0.89885	0.186491	0.411518
Gtdc1	-0.24854	0.186237	0.411078
B4galnt4	-1.11502	0.185921	0.410764
Spty2d1	-0.17263	0.186087	0.410812
Marchf1	-0.25173	0.186068	0.410812
Med22	-0.23063	0.185972	0.410795
Mia2	-0.15185	0.18593	0.410764
Ptms	-0.06623	0.185744	0.410521
Gm36262	-1.06972	0.185369	0.41007
Gadd45a	-0.23386	0.185234	0.409849
Ripor1	-0.11412	0.185242	0.409849
Bap1	-0.22302	0.185138	0.40974
Ankrd54	-0.24394	0.185103	0.409721
Pex13	-0.21097	0.18508	0.409721
1190007I0	-0.26989	0.184743	0.409167

Gls	-0.10297	0.18436	0.408501
Dbi	-0.07929	0.184285	0.408414
Aptx	-0.30403	0.184253	0.408414
Gm45342	-0.56878	0.183903	0.407791
Tdp1	-0.39314	0.183964	0.407864
Gm15283	-0.4253	0.183759	0.407623
Styx	-0.25454	0.183655	0.407584
Rbm25	-0.08325	0.183674	0.407584
Ulk3	-0.40769	0.183572	0.407538
Snrpa	-0.17003	0.183038	0.406473
Senp8	-0.67773	0.182957	0.406355
Cldn12	-0.40457	0.182568	0.405773
Gm48114	-0.67941	0.182406	0.405513
Mrps10	-0.20566	0.18239	0.405513
Trp53inp2	-0.17412	0.182198	0.40521
Myo7a	-0.89925	0.182081	0.40501
Ccdc63	-0.66239	0.181979	0.40486
Lmod1	-0.32973	0.181963	0.40486
Smarca5	-0.1105	0.181987	0.40486
Zfp868	-0.30502	0.181816	0.40466
Gm44777	-0.46501	0.181519	0.404119
Ccdc166	-0.43197	0.180915	0.403153
Gmps	-0.16829	0.180674	0.402716
Atp9b	-0.21236	0.180344	0.402161
Gm43858	-0.88705	0.180285	0.402143
Akap5	-1.33037	0.17999	0.401731
Nwd1	-0.88004	0.180061	0.40183
Ston2	-0.40877	0.179981	0.401731
Zc3h13	-0.11821	0.179838	0.401571
Parp10	-0.2858	0.179642	0.401253
Gm17249	-0.62764	0.179465	0.400917
Slc7a3	-1.10723	0.179295	0.400778
Samd12	-0.18709	0.179402	0.400836
Fam149b	-0.24139	0.179389	0.400836
Chd2	-0.14827	0.179257	0.400752
Ap1g1	-0.16402	0.179053	0.400476
Cdk11b	-0.11368	0.178641	0.399973
Ldhb	-0.13614	0.178451	0.399835
Apoo	-0.26923	0.178438	0.399835
Nfic	-0.08148	0.178389	0.399827
Tyw5	-0.29499	0.17834	0.399777
Nampt	-0.1329	0.178326	0.399777
Dpf3	-0.27002	0.178255	0.399705
Ngly1	-0.18833	0.177934	0.399105
Zfp317	-0.31485	0.177871	0.399024
Gnb5	-0.12958	0.177629	0.398779
Parp6	-0.24199	0.177613	0.398779

Cygb	-0.1664	0.177598	0.398779
Plrg1	-0.23244	0.177552	0.398779
Ipo5	-0.20532	0.177509	0.398779
4930565N	-1.1932	0.177338	0.398605
Tarbp1	-0.47611	0.177391	0.398612
D030047H	-17.5413	0.177132	0.398321
Acvr2a	-0.2845	0.177118	0.398321
Rae1	-0.19946	0.176948	0.398147
Gm14286	-1.4149	0.176839	0.39802
Tmem18	-0.30568	0.176904	0.398107
Gm43484	-0.50083	0.176177	0.396808
Utp4	-0.2696	0.176194	0.396808
Aasdhppt	-0.19807	0.176113	0.396745
Gm17705	-1.26746	0.175949	0.396527
Ube2v2	-0.12352	0.176014	0.396581
Mrpl50	-0.18594	0.175883	0.396466
2610020Ci	-0.48928	0.175773	0.396336
Tgfbr3l	-1.24606	0.175458	0.395862
Rbm12	-0.25056	0.17551	0.395862
Eipr1	-0.34286	0.175433	0.395862
Trim36	-0.59015	0.175326	0.395745
Cnot4	-0.12857	0.175305	0.395745
Gm47198	-1.72494	0.175076	0.395388
2810428JC	-0.79851	0.17492	0.395186
Smim40	-0.16608	0.175031	0.395377
Igtp	-0.19458	0.174865	0.395123
Tasor2	-0.19468	0.174702	0.394844
Gm44883	-1.71345	0.174493	0.394521
Sfxn4	-0.46923	0.174334	0.39422
Abraxas2	-0.19194	0.174319	0.39422
Pnir	-0.09048	0.174218	0.394076
Gga3	-0.30123	0.174185	0.394061
Tmem127	-0.19363	0.173786	0.393278
Cox10	-0.29706	0.173627	0.393037
Arhgef1	-0.12554	0.173431	0.392711
Fbxo7	-0.19523	0.173405	0.392711
Cadps2	-0.93508	0.173289	0.392612
Mical2	-0.53601	0.173004	0.39222
9630001P:	-1.39493	0.172943	0.39214
Mcm10	-1.55858	0.172573	0.39136
Scai	-0.21639	0.172456	0.391274
Daam2	-0.19531	0.172252	0.390988
Fat1	-0.32953	0.172135	0.390841
Uba5	-0.1909	0.171777	0.390145
Haus3	-0.23589	0.171683	0.389992
Spdya	-0.85649	0.171567	0.389932
Frmpd1	-0.31417	0.171576	0.389932

Ero1b	-0.40391	0.17142	0.389932
Naa25	-0.25171	0.17145	0.389932
Usp38	-0.25798	0.171201	0.389607
Tor1a	-0.18292	0.170849	0.389042
Folr1	-0.63152	0.170648	0.388761
Alkbh7	-0.22955	0.170608	0.388731
Zfp106	-0.1234	0.17049	0.388638
mt-Nd4l	-0.40181	0.170432	0.388565
Popdc3	-0.73308	0.170182	0.388055
Atp8a2	-0.32649	0.170128	0.387991
Cep126	-0.32934	0.170085	0.38799
Arvcf	-0.34591	0.170057	0.38799
Ext1	-0.25455	0.170019	0.387978
Ell2	-0.29432	0.169912	0.387793
Gm44187	-1.02056	0.169719	0.387531
Chtf8	-0.53793	0.169671	0.387486
Taf15	-0.14013	0.16961	0.387458
Rel	-0.35211	0.16951	0.387348
Mtrfr	-0.30484	0.169494	0.387348
B230217C	-0.58161	0.169366	0.387177
Prpf40a	-0.11074	0.169221	0.386924
C630043Fc	-0.42159	0.168945	0.386437
Tysnd1	-0.2923	0.168659	0.386052
Ankmy2	-0.21719	0.16836	0.385544
4930563E	-17.9534	0.168024	0.385069
Vps9d1	-0.26378	0.168093	0.38511
Aacs	-0.51159	0.167753	0.384565
Gm13216	-17.917	0.167473	0.384101
Lrwd1	-0.31858	0.167635	0.384412
Gm16310	-0.82644	0.1672	0.38359
Gm44044	-0.38119	0.167193	0.38359
Ccdc68	-0.52627	0.167131	0.38359
Gm11713	-0.33669	0.166996	0.383418
Dhx35	-0.42926	0.16693	0.383324
Pycrl	-0.3278	0.166875	0.383256
Tmem39a	-0.27847	0.16679	0.383121
Cngb1	-0.13174	0.166612	0.38277
Gm40309	-0.3175	0.166601	0.38277
Mtbp	-0.42096	0.166474	0.382746
Gpr62	-0.95495	0.16646	0.382746
lws1	-0.15013	0.166456	0.382746
Clasp2	-0.14776	0.166293	0.382625
Abce1	-0.17725	0.166243	0.382568
Plpp7	-0.63874	0.16614	0.38239
Usp12	-0.18804	0.165946	0.382125
Zfp639	-0.16615	0.165948	0.382125
Gm45145	-18.5931	0.165717	0.381827

Spryd3	-0.2403	0.165819	0.381945
Cryba1	-0.69395	0.16553	0.381573
Map4k4	-0.10623	0.165555	0.381573
Gm45177	-18.0098	0.165289	0.381077
Rhbdf2	-0.20887	0.165286	0.381077
Zfp691	-0.4561	0.165202	0.38107
1500009L1	-0.34781	0.16521	0.38107
Trub2	-0.35252	0.165197	0.38107
Osbpl3	-0.27717	0.165155	0.38107
Phrf1	-0.1838	0.164768	0.380344
Brsk1	-0.59668	0.164564	0.379931
Wdr92	-0.31769	0.164433	0.379744
Uhrf1bp1	-0.38668	0.164015	0.378957
Snrnp48	-0.13198	0.163935	0.378829
Cog6	-0.26451	0.16386	0.378801
Gm38120	-0.47314	0.163531	0.378421
Ttll12	-0.42309	0.163304	0.378041
Slc25a42	-0.32284	0.163316	0.378041
Elapor2	-1.49849	0.162971	0.377592
Ttll1	-0.50952	0.163045	0.377648
Srbd1	-0.27718	0.162933	0.377564
Flvcr2	-0.18226	0.162811	0.377397
Gm10941	-0.97834	0.162618	0.37724
Oaf	-0.3338	0.16267	0.37724
Gm9869	-1.24021	0.162467	0.377111
Ubxn2a	-0.12758	0.162615	0.37724
Septin3	-1.0551	0.162465	0.377111
Jrkl	-0.26382	0.162486	0.377111
Gm6598	-0.75071	0.162331	0.377008
Tmem237	-0.19587	0.162403	0.377093
Tspyl5	-0.57209	0.162341	0.377008
Fam124b	-0.41897	0.162102	0.376685
Gm18283	-1.75699	0.161672	0.376214
Dnm1l	-0.15033	0.161827	0.376223
C87436	-0.21809	0.161725	0.376219
Dctn5	-0.20542	0.161664	0.376214
Med12l	-0.62767	0.161597	0.376156
Mapkap1	-0.17284	0.161586	0.376156
Kidins220	-0.14988	0.161374	0.375811
Masp2	-1.54659	0.161146	0.375496
N4bp2	-0.29705	0.161224	0.375579
Zfp386	-0.22189	0.16114	0.375496
Gm43169	-17.8343	0.160912	0.375084
Gm25630	-16.6732	0.160821	0.374989
F11	-18.8506	0.160763	0.374914
Zfp93	-0.68463	0.16087	0.375045
Pak5	-0.44418	0.160653	0.374765

Neurod4	-0.87525	0.160573	0.374646
Gm29666	-0.87225	0.160472	0.374576
Cdkn1b	-0.12269	0.160518	0.374576
Socs4	-0.1781	0.160501	0.374576
Six1	-0.38406	0.160442	0.374576
Kcnj14	-0.2067	0.160456	0.374576
Ccna2	-0.62774	0.160358	0.374524
Crnkl1	-0.20416	0.16035	0.374524
Gm47252	-17.0907	0.159936	0.374033
Gm37578	-0.49922	0.160076	0.374185
Gm49422	-17.656	0.159867	0.37393
A530058N	-18.8316	0.159846	0.37393
Stk24	-0.1563	0.160055	0.374185
Dtwd1	-0.37883	0.160008	0.374142
Gm6225	-0.6345	0.159746	0.373822
H2bc4	-0.10339	0.159782	0.373849
Urb1	-0.44037	0.159655	0.373668
Fbxo9	-0.15151	0.159446	0.373238
Gm49417	-0.41112	0.159345	0.373114
7SK-197	-0.46351	0.15918	0.372847
Gm14966	-0.7977	0.158897	0.372301
Cela1	-0.9709	0.158654	0.372022
Dkk3	-0.18983	0.158598	0.372022
Med14	-0.26335	0.158564	0.372022
Egflam	-0.19995	0.158535	0.372022
Mbtd1	-0.19747	0.158366	0.371814
Cyc1	-0.1283	0.158309	0.371738
Mms19	-0.21421	0.158193	0.371582
Xntrpc	-1.10351	0.158058	0.371323
Ip6k1	-0.13986	0.157956	0.371201
Cd207	-16.9173	0.157522	0.370589
Myo1d	-0.1727	0.157584	0.370664
Eed	-0.21079	0.157355	0.370311
Atpaf2	-0.37106	0.157177	0.369951
Gm49628	-0.5085	0.157125	0.369943
Vps26a	-0.19294	0.157153	0.369951
Zzz3	-0.14842	0.157088	0.369943
Pop1	-0.42117	0.157047	0.369936
Myb	-0.97438	0.156866	0.369684
Acrbp	-0.46717	0.156931	0.369721
Lyp1a1	-0.15605	0.156908	0.369721
Atp5b	-0.06972	0.156709	0.369489
Ttll4	-0.39368	0.156319	0.368742
Wdr70	-0.24943	0.156188	0.36855
Gvin-ps7	-0.13388	0.155985	0.368186
Agpat1	-0.2265	0.155752	0.367839
Gm12743	-1.14149	0.155555	0.367461

Exoc8	-0.30322	0.155379	0.367102
Gm44423	-0.90173	0.154909	0.366223
Commmd6	-0.1582	0.154812	0.366169
Lrrc2	-0.5392	0.154326	0.36525
Nsrp1	-0.14395	0.154261	0.36525
Mff	-0.12389	0.154181	0.365195
Gpc3	-0.22449	0.153825	0.364622
Bnip2	-0.08681	0.153579	0.36423
Zfp658	-0.66059	0.153459	0.364003
Rusc2	-0.19342	0.153458	0.364003
Snx10	-0.18845	0.153447	0.364003
Dph3	-0.13859	0.153373	0.363972
Ap1s2	-0.14315	0.153316	0.363953
Cdip1	-0.1668	0.153139	0.363653
Coa4	-0.39473	0.152924	0.363252
Gm45151	-1.12799	0.152651	0.362718
Pabpc4	-0.40425	0.152698	0.362772
Sf3b3	-0.14251	0.152302	0.362177
Gm37521	-1.18486	0.152159	0.361952
Mphosph6	-0.20717	0.152125	0.361928
241008010	-0.37351	0.151977	0.361691
Zfp970	-0.76516	0.151838	0.361417
Kn1	-1.34243	0.151589	0.360922
Nhs12	-0.15136	0.151495	0.360774
Rbm6	-0.14627	0.151476	0.360774
Mindy2	-0.10024	0.151126	0.360239
Slc35b4	-0.33462	0.151054	0.360173
Slitrk2	-0.6196	0.150918	0.359971
Csnk1g2	-0.12712	0.150804	0.359815
BC037032	-0.87744	0.150702	0.359629
lqsec1	-0.14926	0.150668	0.359606
Gm43010	-0.65913	0.150604	0.359517
Med27	-0.28973	0.150584	0.359517
Phb	-0.2728	0.150607	0.359517
Camsap3	-1.06772	0.150276	0.358918
Thap12	-0.15356	0.150284	0.358918
9930104LC	-0.30521	0.150242	0.358918
Pdzd2	-0.13726	0.150235	0.358918
Elp3	-0.24624	0.150009	0.358604
Pole4	-0.18386	0.150048	0.358639
AU041133	-0.43086	0.149881	0.358354
Adam23	-1.0864	0.149847	0.358331
A130012E	-0.45716	0.149037	0.356829
Gpn1	-0.27281	0.149045	0.356829
Trim21	-0.35584	0.148755	0.356403
Ncoa6	-0.18756	0.148614	0.356236
Trub1	-0.40746	0.148598	0.356236

Krcc1	-0.1319	0.148365	0.355831
Lamtor1	-0.13988	0.148355	0.355831
Spef1l	-1.73813	0.148151	0.355694
Cops8	-0.1619	0.148321	0.355831
Hddc3	-0.40434	0.148052	0.355615
Ahsa1	-0.16739	0.14807	0.355615
Fbxw5	-0.25367	0.147617	0.354811
Asb13	-0.25359	0.147549	0.354734
Ttc30b	-0.47824	0.14746	0.354682
4930594N	-0.49908	0.147468	0.354682
Agk	-0.28855	0.147394	0.354618
Gm2415	-0.53991	0.147251	0.354464
A930015D	-0.39015	0.147124	0.35431
Gm11696	-0.52102	0.147071	0.354239
Ubp1l	-0.47652	0.147051	0.354239
Gm42993	-0.43991	0.146573	0.35321
Dnaja4	-0.24167	0.146457	0.352986
Prune2	-0.39991	0.146444	0.352986
Ccdc92b	-0.88216	0.146213	0.352673
Cadps	-0.57017	0.146232	0.352673
Unc13a	-0.64437	0.146128	0.352609
Timm13	-0.11105	0.146181	0.352663
Ywhab	-0.08127	0.146092	0.352609
Lrrc75a	-0.39876	0.145742	0.35183
Gm49307	-0.56592	0.145548	0.351564
Zfp930	-0.38326	0.145609	0.351564
Bccip	-0.18065	0.145602	0.351564
Gm16023	-0.82898	0.145387	0.351257
Ppip5k2	-0.30148	0.14531	0.351182
Ank3	-0.33214	0.145069	0.350659
Zfp141	-0.49499	0.144928	0.350373
Gm38192	-1.27212	0.144722	0.350044
Grin2d	-0.73917	0.144564	0.349772
Zfp281	-0.17726	0.144573	0.349772
Aasdh	-0.48011	0.144423	0.349605
Rbfox2	-0.13652	0.144259	0.349264
R3hcc1	-0.29506	0.144185	0.349141
Fasn	-0.40675	0.144145	0.3491
Dock11	-0.59578	0.143935	0.348703
Gm26666	-0.90662	0.14372	0.348409
Vasn	-0.25035	0.143702	0.348409
Inpp1	-0.17048	0.143636	0.348318
Clk4	-0.15835	0.143597	0.348279
Gm43144	-18.5279	0.143212	0.34762
Gm43751	-1.24532	0.143232	0.34762
Stag2	-0.13314	0.143036	0.347314
Gm43658	-0.80155	0.142881	0.347108

Fzd10	-1.43146	0.142715	0.346928
Pkd2l2	-1.42485	0.142565	0.346676
Arhgef10l	-0.40889	0.14263	0.346777
Uchl3	-0.2677	0.142475	0.346512
4833412K	-0.50534	0.142317	0.346242
Cbx7	-0.21425	0.142369	0.346313
Vps37a	-0.16303	0.142171	0.345941
Creg2	-0.63222	0.141954	0.345526
Sfxn3	-0.18996	0.141911	0.345479
Nedd1	-0.30657	0.14164	0.344931
Wdr36	-0.29697	0.141545	0.344819
Slc36a1	-0.52973	0.141457	0.344767
Klhdc8a	-0.9229	0.141256	0.344331
Zc3h7b	-0.16053	0.141225	0.344313
Col2a1	-0.67289	0.141078	0.34401
Gabarapl2	-0.09045	0.141005	0.343943
Gm14508	-1.23962	0.140737	0.343515
Ralgps2	-0.221	0.140828	0.343623
Usp24	-0.20262	0.140688	0.34345
Gm13722	-17.4236	0.140421	0.342967
Tor1b	-0.1655	0.140537	0.343137
Prrc2a	-0.12343	0.140485	0.343066
Evc	-0.51038	0.140415	0.342967
Mplkip	-0.18531	0.140421	0.342967
Nr3c2	-0.27174	0.140361	0.342967
Golga3	-0.21563	0.13945	0.341375
Gm16283	-1.09174	0.139008	0.340683
Snx27	-0.17262	0.139075	0.340792
Cebpz	-0.14062	0.138933	0.340555
Dach1	-0.17523	0.138877	0.340472
Samhd1	-0.13942	0.138765	0.340309
Limd1	-0.1407	0.138753	0.340309
Kcnk3	-0.69135	0.138672	0.340226
Snap25	-0.18953	0.138595	0.340116
Loxl3	-0.48391	0.138495	0.339926
Ndufa3	-0.1062	0.138025	0.338994
Gnat2	-0.36116	0.137899	0.338797
Trappc13	-0.19103	0.13778	0.338616
Zfp641	-0.88107	0.137729	0.338563
Malt1	-0.21243	0.137477	0.338148
Gm45457	-0.26458	0.137283	0.337781
Xpr1	-0.13	0.137238	0.337746
Xpo5	-0.28022	0.137212	0.337746
Fbxo5	-0.4918	0.136973	0.337301
Gm48608	-1.59567	0.136867	0.337201
Zfp72	-0.59239	0.136864	0.337201
Mmd2	-0.40249	0.136682	0.336967

Gm44646	-1.68898	0.136386	0.336373
Golm2	-0.28028	0.136333	0.336373
Nhej1	-0.67791	0.136019	0.335776
Dnm1	-0.28954	0.136058	0.335815
Kalrn	-0.2665	0.136004	0.335776
Gm53019	-19.2492	0.135728	0.335389
Gm37566	-0.64192	0.135858	0.335544
Gm49640	-19.2121	0.135666	0.335345
Trim17	-0.55758	0.135805	0.335467
Gm44027	-1.04175	0.135715	0.335389
Gulp1	-0.18856	0.13564	0.335336
Ist1	-0.18626	0.135632	0.335336
Cacna1d	-0.71452	0.135578	0.335296
Hexim2	-0.62111	0.135353	0.33496
Gm38198	-17.7156	0.135282	0.33496
Gm49284	-1.19079	0.135317	0.33496
Cdk14	-0.22466	0.13548	0.335107
Pou6f1	-0.35688	0.135341	0.33496
Ppid	-0.17094	0.135347	0.33496
Fam171b	-0.25366	0.135287	0.33496
Gm21781	-0.53501	0.13519	0.334958
Pea15a	-0.09992	0.135196	0.334958
Ttc9	-0.82901	0.134977	0.334583
Zfp626	-0.33142	0.134977	0.334583
Hdhd2	-0.51489	0.134854	0.334387
Rexo4	-0.25624	0.134708	0.334223
Gm4459	-0.95467	0.134548	0.334016
Kctd4	-1.1744	0.134392	0.33374
Supt20	-0.17022	0.134471	0.33388
Ipo8	-0.21452	0.134217	0.333415
Gamt	-0.2127	0.13416	0.333331
Trio	-0.17644	0.13392	0.33298
Impg2	-0.27034	0.133804	0.332942
Pabpn1l	-1.51048	0.133677	0.332809
Gm10544	-0.48289	0.133706	0.332809
Borcs8	-0.2367	0.133738	0.332833
Tlcd5	-0.25705	0.133525	0.332525
Bmp2	-0.57027	0.133435	0.33241
Cmtr2	-0.59867	0.133331	0.332263
Sfpq	-0.09654	0.133129	0.332004
Sympk	-0.20977	0.133082	0.331972
Arl6ip4	-0.16108	0.13276	0.33128
Parp8	-0.31941	0.132731	0.331263
Jchain	-0.81052	0.132646	0.331128
Gm49741	-0.7541	0.132601	0.331128
Gm26632	-0.36612	0.132638	0.331128
Mex3c	-0.21777	0.132349	0.330641

Gm43848	-0.53263	0.132263	0.330529
Myo5b	-0.77707	0.132215	0.330484
Dnai4	-0.35077	0.13222	0.330484
Mrpl27	-0.16651	0.132111	0.330376
Shf	-0.34624	0.131879	0.329873
Ldah	-0.23422	0.131827	0.329832
Gm37277	-17.7602	0.131505	0.3293
Cystm1	-0.15735	0.131726	0.329634
Taf11	-0.17925	0.13159	0.329405
Cds1	-0.2617	0.131466	0.329275
6030458C	-0.27392	0.131454	0.329275
Ran	-0.10612	0.13144	0.329275
Pcdh9	-0.56519	0.131411	0.329275
Obsl1	-0.67183	0.131293	0.329101
Arhgef17	-0.17156	0.131173	0.328854
5530601H	-0.37582	0.130822	0.328251
Got1	-0.22715	0.130777	0.328247
Adamts10	-0.21097	0.130802	0.328251
Six4	-0.62358	0.130662	0.328014
Gm37612	-0.89889	0.130354	0.327405
Vars2	-0.48941	0.130418	0.327512
Ssrp1	-0.1428	0.130306	0.32734
Parp11	-0.43771	0.130151	0.327115
Egln1	-0.12541	0.129996	0.326834
Gm37459	-19.1034	0.129646	0.326173
Ankhd1	-0.15367	0.129788	0.326367
Tnfrsf21	-0.23334	0.129406	0.325661
Mns1	-0.92263	0.129224	0.325545
Arl16	-0.35743	0.129293	0.325545
Gm45885	-1.33614	0.12906	0.325355
Zfp472	-0.34611	0.129083	0.325359
A930029G	-0.86542	0.128794	0.324899
Farsa	-0.2315	0.12886	0.324907
Gm4631	-0.50973	0.128814	0.324899
Gm48624	-0.91694	0.12868	0.324789
Gm43071	-0.49267	0.128534	0.324577
Pde7a	-0.3257	0.128371	0.324283
Nub1	-0.15556	0.128375	0.324283
Pla2r1	-0.24132	0.128359	0.324283
Zfp111	-0.44123	0.128198	0.324165
4933431K	-0.78271	0.128015	0.323756
Hectd3	-0.29676	0.128002	0.323756
Gm38374	-0.74503	0.127954	0.323713
Zfp597	-0.30658	0.127789	0.323414
Rcan1	-0.27155	0.127793	0.323414
Vamp1	-0.51478	0.127663	0.323276
Gm10033	-0.29615	0.127641	0.323276

Gm26964	-1.08845	0.127451	0.322876
Gm10250	-1.06568	0.127416	0.322876
Rbm10	-0.24405	0.12745	0.322876
2810001G	-0.28945	0.127373	0.322842
Wrn	-0.24603	0.12734	0.322813
Supt7l	-0.33591	0.12715	0.322504
5031439G	-0.22153	0.127153	0.322504
Slc17a4	-19.2047	0.126917	0.322177
Cdk19os	-1.87722	0.126862	0.322093
Gm49542	-18.8126	0.126693	0.321771
2510017J1	-0.6657	0.126731	0.321813
Slc35e2	-0.34125	0.126656	0.321771
Pigf	-0.28802	0.126557	0.321613
Eif2b5	-0.20217	0.126548	0.321613
Bdp1	-0.16319	0.126434	0.32155
Nap1l3	-0.5314	0.126347	0.321438
Mlx	-0.24293	0.126304	0.321384
Gm38111	-0.64246	0.126036	0.320805
Pum3	-0.27631	0.126055	0.320805
Smarca1	-0.69024	0.12598	0.320724
Borcs7	-0.25876	0.125961	0.320724
Osbp15	-0.40898	0.1258	0.320429
Ccdc177	-0.52782	0.12573	0.320304
Ice1	-0.19094	0.125652	0.320248
Gm49519	-1.18486	0.125256	0.319424
Gm26981	-1.13489	0.125286	0.319444
Entr1	-0.21052	0.12514	0.319181
Gm49783	-0.64772	0.125033	0.318963
Slc4a5	-1.05922	0.12486	0.318685
Gm37296	-0.77891	0.124733	0.318468
Rgs6	-0.40845	0.124772	0.318516
Tmem161l	-0.30363	0.124634	0.318324
Adnp2	-0.29773	0.124565	0.318203
Uhmk1	-0.15515	0.124484	0.31819
Snph	-0.9838	0.124354	0.317991
2310022B1	-0.16798	0.124355	0.317991
Iffo2	-0.30816	0.124251	0.317889
Cep192	-0.31181	0.124104	0.317568
Kbtbd7	-0.36804	0.123437	0.316565
Wdr5	-0.30464	0.123356	0.316411
Gm38009	-0.49922	0.12298	0.315499
Dgkz	-0.19374	0.12279	0.31512
Mterf2	-0.37751	0.122646	0.314863
Pdzrn3	-0.54924	0.122648	0.314863
Prpf19	-0.18899	0.122672	0.314871
Zfp473	-1.4092	0.122464	0.314608
R3hdm1	-0.14239	0.122596	0.314839

Gm30198	-1.46795	0.122116	0.31409
2900026A	-0.12281	0.122302	0.314245
Mfap3l	-0.32696	0.122257	0.314245
Cldn5	-0.06155	0.122288	0.314245
Amd2	-0.69964	0.122218	0.314245
Ercc2	-0.356	0.122186	0.314217
Rimklb	-0.75003	0.12199	0.313929
Endod1	-0.15177	0.122032	0.31393
Arhgap15	-0.89083	0.121888	0.313719
Kat5	-0.24619	0.121857	0.313695
Gm13340	-0.84715	0.121555	0.313077
Map2k6	-0.45425	0.121329	0.31255
Crem	-0.23384	0.121323	0.31255
Rbm4	-0.62502	0.121158	0.312215
Col18a1	-0.36952	0.120987	0.311829
Ddx58	-0.19047	0.120887	0.31168
Fyttd1	-0.15897	0.120728	0.311377
Cask	-0.24797	0.120487	0.310916
Anapc11	-0.13333	0.120125	0.310129
Gcnt4	-1.214	0.11991	0.309768
Rnf212b	-1.17594	0.119918	0.309768
Cenpj	-0.43851	0.119972	0.309803
Nab2	-0.29338	0.119973	0.309803
Mcm9	-0.33537	0.119918	0.309768
Gm42755	-18.1985	0.11974	0.30952
Gm44675	-19.3324	0.119719	0.30952
Nsdhl	-0.42776	0.119739	0.30952
Kdm7a	-0.16393	0.119443	0.309075
Tnxb	-0.5675	0.119048	0.308317
Syt14	-0.53815	0.118684	0.307534
Atp6v1g2	-0.63842	0.118645	0.307486
Hgs	-0.24182	0.118515	0.307257
Tfdp1	-0.3327	0.118295	0.306865
Sytl1	-2.05284	0.11797	0.306374
Aspscr1	-0.21578	0.118076	0.306543
Gm37824	-1.68194	0.117914	0.306334
Zfp273	-0.52688	0.117492	0.30556
Gm43133	-0.9498	0.11737	0.305398
Erich6	-2.31589	0.117246	0.305236
Gm43061	-0.89515	0.117318	0.305319
Chic1	-0.39576	0.117319	0.305319
Eef1akmt1	-0.36326	0.117183	0.305176
Rapgef1	-0.16714	0.116992	0.304733
Gm30124	-0.87801	0.116893	0.304664
Slc25a19	-0.33092	0.116905	0.304664
Top3a	-0.57504	0.116799	0.304495
Cspg5	-0.36969	0.116631	0.304111

Guk1	-0.13323	0.116259	0.303245
Pmvk	-0.2256	0.115919	0.302465
Gm47802	-1.13519	0.115665	0.302013
Paip2b	-0.33465	0.115716	0.302091
Cks2	-0.66722	0.115576	0.301936
Ppa1	-0.24371	0.11565	0.302013
Pik3r4	-0.27564	0.115599	0.301946
Pdpn	-0.44468	0.115509	0.301936
Ptk2	-0.14785	0.115524	0.301936
Sdc2	-0.18757	0.11552	0.301936
Vps35	-0.14605	0.115487	0.301936
Gm12183	-0.90693	0.115234	0.301516
Atpsckmt	-0.36003	0.115304	0.301647
AU040320	-0.27906	0.11489	0.300879
Ptpn4	-0.28023	0.114911	0.300883
Gm4951	-0.45024	0.114667	0.300402
Lyar	-0.1542	0.114336	0.299586
Nelfb	-0.19018	0.113796	0.298276
E230020A	-0.45593	0.113702	0.298133
Iars2	-0.22374	0.113743	0.29819
Rbmxl1	-0.20644	0.113692	0.298133
Smim1	-0.36637	0.113338	0.297506
Exosc9	-0.27571	0.113325	0.297506
B3galnt1	-0.4659	0.113249	0.297467
Pcdha11	-17.7989	0.112953	0.297001
Cdc45	-1.19441	0.113084	0.297137
Setd1b	-0.17271	0.113017	0.297119
Kifc5b	-1.32143	0.112788	0.296808
Mad2l1	-0.51054	0.112944	0.297001
C130013H	-0.8085	0.1128	0.296808
Clns1a	-0.20846	0.112705	0.296715
Gm32699	-1.52556	0.112634	0.296622
Swi5	-0.10908	0.112524	0.296396
A930005N	-2.33407	0.112185	0.295753
Nrsn1	-0.75688	0.112208	0.295753
Rsrc2	-0.10373	0.112222	0.295753
Ankrd6	-0.34044	0.112112	0.295698
Gm43403	-17.5224	0.111898	0.295267
Nlgn3	-0.84103	0.111994	0.295466
Tdrkh	-0.44357	0.11186	0.295218
Npm3	-0.28023	0.111834	0.295201
Drd1	-0.63391	0.111696	0.295044
Nkd1	-0.21201	0.111781	0.295154
Gm44996	-0.96591	0.111412	0.294505
Plcxd2	-0.42224	0.111387	0.294505
Colgalt2	-0.44604	0.111372	0.294505
Akap9	-0.12059	0.111277	0.294355

Dnajc27	-0.3971	0.110912	0.293613
D830050J1	-0.51799	0.110726	0.293259
Osbp17	-0.35039	0.110658	0.293129
Ccdc106	-1.34202	0.110509	0.292892
Gm9828	-0.86901	0.110542	0.292927
Tspan5	-0.10566	0.110433	0.292742
Pcyt1a	-0.20238	0.110298	0.292434
Syt15	-0.35707	0.110131	0.292097
Mipep	-0.40102	0.110054	0.292001
Pign	-0.36877	0.110056	0.292001
Gm41517	-1.27171	0.109924	0.291869
Baz1b	-0.13462	0.109952	0.291869
Plekhn3	-0.3411	0.109941	0.291869
Etaa1	-0.32616	0.10993	0.291869
Ids	-0.19823	0.109927	0.291869
5930420V	-1.38253	0.109767	0.291731
Gm10120	-0.7656	0.109738	0.291725
Usp31	-0.32014	0.109779	0.291731
2310034G	-0.7827	0.109548	0.291454
Zfp770	-0.29542	0.109558	0.291454
Cluh	-0.32509	0.109452	0.291325
Sart1	-0.19808	0.10939	0.291214
Arr3	-0.31832	0.109346	0.291149
Apela	-0.71802	0.109156	0.290797
Dis3l2	-0.35155	0.109184	0.29082
Dnd1	-1.41353	0.109059	0.290601
Gm10571	-1.86139	0.108872	0.290299
Ino80dos	-0.70365	0.108834	0.290249
Kcnt2	-0.57192	0.10883	0.290249
Mapk8	-0.22541	0.108664	0.290004
Tmem126l	-0.28483	0.108642	0.290004
Gm16536	-0.33099	0.108507	0.28979
H2az2	-0.10378	0.108486	0.28979
Gm12276	-0.9788	0.10823	0.28931
Itsn2	-0.13012	0.108061	0.288907
Gm47797	-0.782	0.107905	0.288573
Qtrt1	-0.41101	0.107916	0.288573
Mok	-0.58944	0.107772	0.288395
Ptpa	-0.19573	0.107829	0.288442
Rad54b	-0.31653	0.107604	0.287995
Zscan20	-0.66252	0.107402	0.287558
Slc35a5	-0.30035	0.107293	0.287368
Harbi1	-0.46805	0.107131	0.287141
Snx18	-0.19347	0.107176	0.28721
Exoc6	-0.2128	0.106738	0.286393
Ankef1	-19.3991	0.106473	0.286001
Gm19466	-18.5794	0.106389	0.285919

Arhgef11	-0.29918	0.106551	0.286097
Celf1	-0.12411	0.106482	0.286001
Kcnab2	-0.48021	0.106181	0.285462
Taok2	-0.17353	0.10608	0.28528
Pnpla3	-18.0648	0.105847	0.284872
Dhrs1	-0.21742	0.106013	0.285164
Mecom	-0.10977	0.105869	0.284879
Ccdc50	-0.13964	0.105215	0.283629
Eno4	-18.4683	0.104788	0.282737
Psmc13	-0.16248	0.10498	0.283046
Zfp428	-0.46047	0.104889	0.282854
Ccdc25	-0.21504	0.10488	0.282854
9330160F	-0.77643	0.104785	0.282737
Tubgcp6	-0.41664	0.104808	0.282737
Osgin2	-0.39731	0.104792	0.282737
Snx16	-0.35144	0.104645	0.282551
Chil1	-0.88024	0.10446	0.282319
Myo5a	-0.46386	0.104356	0.282172
Patz1	-0.22671	0.104307	0.282097
Mettl25	-0.50737	0.104181	0.281858
Clasp1	-0.17626	0.104146	0.281812
Gm49338	-0.31914	0.104098	0.281733
Itga6	-0.08715	0.104014	0.281608
Col4a5	-0.38491	0.103979	0.281564
Cnnm4	-0.43554	0.103854	0.281278
Gm42432	-0.37401	0.103764	0.281135
Zfp108	-0.87088	0.103633	0.280956
Trp53bp1	-0.26718	0.103642	0.280956
4833421G	-1.1194	0.103428	0.280631
Fxyd6	-0.22434	0.103548	0.280854
Impg1	-0.34703	0.103325	0.280504
Purb	-0.08541	0.103196	0.280256
Gm16794	-0.76539	0.102992	0.279776
Gm29395	-16.9524	0.102241	0.278185
Cacng4	-0.54566	0.1023	0.278227
Gm23119	-18.8727	0.10205	0.277896
Ggps1	-0.1786	0.102264	0.278185
Ddx24	-0.1155	0.102183	0.278162
Kif1c	-0.15042	0.102067	0.277896
Tceanc2	-0.4937	0.101759	0.277258
Sulf1	-0.56447	0.101781	0.277269
Herc6	-0.29835	0.101717	0.277258
Gm28693	-1.16794	0.101509	0.276929
Zfp24	-0.20493	0.101636	0.277127
Pde1a	-0.36205	0.101482	0.276908
Zc3h8	-0.37828	0.101364	0.276635
Rgs13	-0.82031	0.101254	0.276385

Pnck	-0.83887	0.101237	0.276385
Eif3j1	-0.16634	0.101151	0.276306
Lpar1	-0.8121	0.10103	0.276126
4930534D	-1.89194	0.100819	0.2757
Heatr3	-0.35716	0.100849	0.275733
Ppp1r14a	-0.22983	0.100696	0.275466
6430511E:	-0.56298	0.100616	0.275347
Atp5g1	-0.12137	0.100587	0.275319
Klhl13	-0.43646	0.100495	0.275217
Gm17344	-1.39488	0.10034	0.274994
Lrrc14	-0.35483	0.100456	0.275161
Atad3a	-0.38981	0.100455	0.275161
Zfp729a	-0.34352	0.100273	0.274862
Setbp1	-0.37744	0.100262	0.274862
Ulk2	-0.22514	0.100219	0.274813
Kdm5d	-0.32018	0.100132	0.274625
Pbx3	-0.22257	0.099731	0.273776
Hyls1	-0.70898	0.099262	0.27289
Gm19195	-0.52538	0.09922	0.272872
Rrm2b	-0.19305	0.099158	0.272752
Taf12	-0.23537	0.098927	0.272216
Fam90a1b	-17.4118	0.098633	0.27165
Sfxn2	-0.47405	0.098648	0.27165
Taf1d	-0.16607	0.098549	0.271631
Lama2	-0.2447	0.098498	0.271631
Gm43024	-1.24653	0.098381	0.271363
Edem3	-0.26417	0.098318	0.271238
Osbp2	-0.20556	0.098271	0.271211
Hdgfl3	-0.18751	0.098221	0.271121
Wdr90	-0.59562	0.098021	0.270824
Lats1	-0.21745	0.098066	0.270893
Ccpg1	-0.24481	0.098023	0.270824
Rps4l	-0.18991	0.097814	0.270398
Poglut2	-0.4659	0.097689	0.27015
Msantd1	-1.62975	0.097528	0.269856
Msi1	-0.21634	0.097651	0.270097
Ranbp1	-0.13762	0.097601	0.270006
Lcorl	-0.22218	0.097194	0.269099
Tenm3	-1.34641	0.096894	0.268598
Gm43526	-19.631	0.09675	0.268298
2810405F:	-1.77163	0.096721	0.268266
Fbxl18	-0.4036	0.096793	0.268369
Pot1a	-0.29412	0.096619	0.268033
B230354K:	-0.33448	0.096461	0.267645
Gm47586	-0.37979	0.096235	0.267067
Snrpb2	-0.19879	0.096122	0.266804
Tent4b	-0.19373	0.095938	0.266392

A530058N	-0.41126	0.09588	0.266329
Angptl6	-0.5949	0.095803	0.266214
Gm14769	-1.15418	0.095498	0.265417
Get3	-0.26615	0.095489	0.265417
Nmnat1	-0.47621	0.095394	0.265227
Cinp	-0.30279	0.095307	0.265034
Srgap2	-0.12788	0.095289	0.265031
Emid1	-0.73891	0.095236	0.264933
Mtx1	-0.28491	0.094676	0.263718
4833439L1	-0.16659	0.094537	0.26343
Rmnd5a	-0.17101	0.094381	0.263075
Kcne4	-0.38686	0.094189	0.262608
Copb2	-0.15843	0.094077	0.262512
Fam78b	-0.52955	0.093988	0.262338
Lancl2	-0.35648	0.093982	0.262338
Mysm1	-0.16247	0.093767	0.261819
Ntng1	-1.11424	0.09352	0.261325
Pygo1	-0.62471	0.093618	0.261453
Btaf1	-0.25894	0.093588	0.261418
Dolpp1	-0.42877	0.093565	0.261403
Rinl	-0.79244	0.093417	0.261234
Cacna1f	-0.35688	0.093473	0.261293
Gin1	-0.37342	0.09344	0.261248
Nagk	-0.27406	0.093347	0.261087
Mtmr3	-0.2021	0.093123	0.260606
Tlcd4	-0.6836	0.093037	0.260461
Ing4	-0.6041	0.092979	0.260404
D630024D	-1.6437	0.092893	0.260303
Gm45344	-17.5434	0.092775	0.260165
Ccdc124	-0.17655	0.092827	0.260165
Kif3c	-0.37967	0.092805	0.260165
Zbtb12	-0.44122	0.092821	0.260165
Gid4	-0.23148	0.092814	0.260165
Togaram1	-0.23765	0.092803	0.260165
Crim1	-0.12868	0.092715	0.260165
Dhrs13os	-1.07144	0.092558	0.259851
Smim10l1	-0.13198	0.092486	0.259763
Marf1	-0.15952	0.092335	0.259419
Dnlz	-0.25526	0.092309	0.259395
Raxos1	-0.89723	0.092007	0.258687
Grtp1	-0.28817	0.092105	0.25887
Mef2c	-0.09756	0.091897	0.258575
Gm44130	-1.15406	0.091618	0.258044
Kat14	-0.32644	0.091583	0.258044
Fam162a	-0.15103	0.091375	0.257543
Taf13	-0.24722	0.091227	0.257223
Bend6	-0.74194	0.091094	0.256944

2900052N	-0.42409	0.091147	0.257045
Gtf3c3	-0.31245	0.091032	0.256817
Abcd2	-0.73747	0.090962	0.256668
Zfp566	-0.51526	0.090564	0.25569
Gpd1l	-0.32684	0.090495	0.255546
Dhx29	-0.2984	0.090468	0.255546
Nadsyn1	-0.71697	0.090176	0.254882
Mkrn1	-0.21713	0.089981	0.254572
Gm37895	-18.5847	0.08974	0.254131
Actn4	-0.09101	0.089831	0.254196
Prnt1	-0.53904	0.089814	0.254196
Vsx2	-0.39478	0.089792	0.254196
Lrrk2	-0.36411	0.089729	0.254131
Map4k3	-0.17187	0.089561	0.253863
Cysltr2	-0.4016	0.089449	0.253691
Gm49747	-1.00667	0.089251	0.253273
Fastkd3	-0.5521	0.089204	0.253255
Gm28792	-18.5528	0.088986	0.252885
Txndc16	-0.34824	0.089108	0.253155
Vps13d	-0.18487	0.088833	0.252614
Nol6	-0.41401	0.0888	0.252567
Lypd1	-0.68065	0.088617	0.25219
Gm45605	-0.82417	0.088591	0.252165
Lrrc4b	-1.35226	0.088407	0.251688
R3hdm2	-0.13194	0.088238	0.251398
Sf3a1	-0.2325	0.088161	0.251275
Ptprf	-0.5613	0.088056	0.251057
Mlc1	-0.39732	0.088068	0.251057
C79130	-0.79007	0.087692	0.250269
Hnrnpul2	-0.13813	0.087651	0.250204
Aplp2	-0.07585	0.087623	0.250171
Ppm1n	-0.3752	0.087452	0.249777
9630010A	-0.47475	0.087355	0.249548
Gm37240	-1.83775	0.087025	0.24889
Klhdc1	-0.48449	0.087095	0.249044
Gm37902	-0.80107	0.087012	0.24889
Zfyve16	-0.27872	0.086849	0.248482
Pcsk5	-1.04273	0.08668	0.248141
Lin7c	-0.18872	0.086641	0.248077
Tatdn1	-0.36725	0.086538	0.247876
Mis12	-0.31365	0.086444	0.247755
Gm37728	-0.45436	0.086339	0.24759
Glb1l3	-0.57594	0.086197	0.247278
5730405O	-1.03766	0.086125	0.247119
Rnf43	-17.0498	0.086005	0.246915
Gm43420	-1.14654	0.0861	0.247094
Atm	-0.35604	0.086078	0.247079

Gm11969	-1.25823	0.085871	0.246672
Rc3h1	-0.16401	0.085918	0.246762
Gm42440	-0.98758	0.085845	0.246647
Cdc14b	-0.39819	0.085495	0.245924
Prkaca	-0.25406	0.085522	0.245953
Ccsap	-1.08483	0.085381	0.245736
Aldh1a1	-0.4209	0.08542	0.245786
Zfx	-0.20964	0.085431	0.245786
Gm37818	-2.09295	0.085162	0.245153
Gm5113	-0.63647	0.084971	0.244745
Gm38170	-18.6802	0.084751	0.244285
Appl1	-0.18456	0.084871	0.244552
281040811	-1.51752	0.08461	0.24394
Pcare	-0.31578	0.084576	0.243888
Map1lc3a	-0.1199	0.084445	0.243559
Ift46	-0.31511	0.084258	0.243113
Scn7a	-1.02599	0.083952	0.242463
Hnrnp1l	-0.22226	0.083862	0.242251
Gm43868	-1.69422	0.083594	0.241615
Sorl1	-0.48213	0.083666	0.241777
Iqank1	-1.4486	0.083502	0.241489
Micu3	-0.27773	0.083579	0.241615
Mov10	-0.51209	0.083571	0.241615
B3gnt2	-0.41749	0.083486	0.241489
Grin2b	-2.18286	0.083226	0.24098
Smg6	-0.18828	0.083301	0.241141
Gmpr2	-0.27224	0.083119	0.240753
Gsc2	-0.90432	0.083004	0.240562
Gtf2a1	-0.21834	0.083048	0.24064
Nsun4	-0.34635	0.082862	0.240336
Pnkd	-0.13862	0.082729	0.240043
Tpi1	-0.11887	0.082539	0.239676
Nefh	-1.14588	0.082245	0.239194
Hcn1	-0.25042	0.082395	0.23935
Pcdh1	-0.15771	0.082373	0.239335
Mrm3	-0.44361	0.082316	0.239216
Snrnp200	-0.17344	0.082262	0.239197
Iglon5	-1.98875	0.081911	0.238533
Ccdc66	-0.27373	0.082004	0.238633
Gm37935	-0.76936	0.081896	0.238533
Gm43582	-0.81642	0.081833	0.238533
2810002D	-0.42874	0.081875	0.238533
Slc6a20b	-1.06473	0.081778	0.238533
Gm26982	-1.03438	0.081664	0.238292
Prorsd1	-0.28107	0.081534	0.238004
Etl4	-0.23559	0.081425	0.237734
Traf7	-0.21788	0.081286	0.237466

Kat6a	-0.15051	0.081251	0.237411
Irgm2	-0.26782	0.08119	0.237279
A130014A	-0.41734	0.081164	0.237247
Zfp712	-0.61514	0.081129	0.237195
Adam17	-0.21064	0.08113	0.237195
Eno1b	-0.62533	0.08089	0.236631
Unc119	-0.11206	0.08086	0.23659
Fahd1	-0.32548	0.080734	0.236314
1110018N	-0.595	0.080645	0.236176
Slc25a40	-0.34917	0.080674	0.236186
Zbtb18	-0.26537	0.080655	0.236176
Prkca	-0.35008	0.08028	0.235308
Hcn2	-0.37001	0.080233	0.235215
Gm42559	-0.7459	0.080156	0.235083
Nat1	-19.2491	0.079996	0.234883
Dtx2	-0.4207	0.080069	0.234986
Pwwp2a	-0.21788	0.080088	0.234986
Mybbp1a	-0.23064	0.080092	0.234986
Ptges3l	-0.95151	0.07999	0.234883
Ttc7b	-0.21603	0.079868	0.234631
Cdh24	-1.10736	0.07971	0.234443
Tent4a	-0.30489	0.079794	0.234547
Gm42517	-1.32812	0.079732	0.234443
Slc38a6	-0.36009	0.079734	0.234443
Tmem204	-0.12223	0.079708	0.234443
Fads2	-0.48742	0.079627	0.234321
Afap1l2	-0.16738	0.07963	0.234321
Lrrc51	-0.80618	0.079356	0.233744
Zfand2a	-0.37579	0.079296	0.233611
A330023F	-0.36865	0.078708	0.232154
Mtx3	-0.48976	0.078649	0.232026
Prox1os	-1.06748	0.078488	0.231776
Dleu2	-0.21863	0.078411	0.231645
Atrn	-0.26049	0.078202	0.231209
Traf3ip3	-0.49617	0.078139	0.231204
Evi5l	-0.47843	0.078105	0.231171
Cdk10	-0.39964	0.078112	0.231171
Syt13	-1.9205	0.077892	0.230746
Gm6787	-18.6476	0.07786	0.230746
Pwp2	-0.60905	0.077908	0.230749
Trpv2	-0.39347	0.077876	0.230746
Mdfic2	-18.589	0.077544	0.230062
Ccdc90b	-0.26766	0.077726	0.230483
Atrx	-0.10203	0.077553	0.230062
4930526LC	-18.2536	0.077259	0.229463
Gm47477	-1.75357	0.077231	0.229463
Ttc27	-0.5378	0.077274	0.229463

Lamtor4	-0.16098	0.077336	0.229601
Acbd5	-0.16865	0.077081	0.229115
Slc9a8	-0.3837	0.076905	0.228637
Mcm3ap	-0.32828	0.07669	0.228091
Slf2	-0.23347	0.076628	0.227952
Vps51	-0.45134	0.076603	0.227922
Fbxw8	-0.29828	0.076533	0.227759
Gm43633	-1.53268	0.076221	0.226964
Vps29	-0.14943	0.076266	0.227053
Gm36933	-0.57259	0.076095	0.226679
Eprs	-0.15869	0.076023	0.226548
Ahi1	-0.20877	0.075949	0.22647
Btbd10	-0.27042	0.075921	0.226431
Epha8	-1.99552	0.075715	0.225863
Ino80d	-0.16364	0.075712	0.225863
4930481A	-0.56807	0.07558	0.225654
AW011738	-0.30672	0.075568	0.225654
Sf3b4	-0.23958	0.075352	0.225093
Nhp2	-0.2845	0.075347	0.225093
Mocs2	-0.2026	0.075348	0.225093
Prdm15	-0.51571	0.074977	0.224204
Lef1os1	-0.61087	0.074925	0.224177
1810010H	-0.53985	0.074813	0.223977
Mak	-0.28244	0.074741	0.223804
Gm38315	-18.3639	0.074401	0.223057
Chmp1b	-0.25833	0.074566	0.223414
Cxxc4	-0.37534	0.07449	0.223233
Cd274	-0.36696	0.074422	0.223071
Dync2i2	-0.68879	0.074316	0.222932
Aspm	-2.23296	0.073666	0.221339
Gm43330	-1.04221	0.073688	0.221358
Metap1	-0.30513	0.073719	0.22141
Hmx1	-0.69713	0.073539	0.221
Gm27010	-0.83095	0.073431	0.22072
Smad5	-0.17587	0.07343	0.22072
Pura	-0.10534	0.073397	0.220707
Dnajc13	-0.25181	0.073363	0.220648
Med19	-0.19525	0.073293	0.220526
Ift20	-0.1585	0.07303	0.220046
Tnfsfm13	-1.23352	0.072909	0.219847
0610030E	-0.24202	0.072926	0.219847
Gm15627	-1.97637	0.072727	0.219475
Gm36608	-1.14236	0.072585	0.21923
C130060C	-18.0831	0.072412	0.218976
Gmcl1	-0.31892	0.072598	0.21923
C230086JC	-19.3935	0.072369	0.218891
Cox20	-0.20596	0.07255	0.219176

Usp11	-0.28852	0.072452	0.219054
Zfp871	-0.16021	0.072332	0.218824
Oas1b	-0.65489	0.072237	0.21858
Zbtb26	-0.50295	0.071961	0.217788
Gm37052	-0.53066	0.071802	0.217434
Itm2a	-0.07752	0.071826	0.217434
Pon2	-0.13554	0.071468	0.216471
Shprh	-0.23051	0.071293	0.216073
Dgkq	-0.47916	0.071129	0.215749
Vps45	-0.36841	0.071068	0.215663
Cavin1	-0.09752	0.070961	0.215502
Gm27017	-1.93062	0.0707	0.215014
Chuk	-0.26014	0.070864	0.215317
Ncoa3	-0.21851	0.070799	0.215185
Hmgn1	-0.10168	0.070795	0.215185
Gm45555	-0.67811	0.070598	0.214793
Slc25a36	-0.25542	0.070587	0.214793
Gm14698	-1.03524	0.070346	0.214355
Cetn2	-0.18718	0.070421	0.214473
Map6	-0.69643	0.070352	0.214355
Ap1m1	-0.28179	0.070353	0.214355
Chn1	-0.34577	0.070354	0.214355
Gm14268	-19.6902	0.070106	0.213861
Il33	-0.36336	0.070298	0.214355
Gm45632	-1.31302	0.069961	0.213637
Usp42	-0.31873	0.07005	0.213733
Gm26736	-19.4478	0.069821	0.213339
Zfp446	-0.58807	0.069915	0.21354
Srpx	-1.56382	0.069695	0.213172
Ndufaf8	-0.19533	0.069838	0.213346
Igsf9	-0.57694	0.069767	0.213217
Ddx41	-0.32388	0.069732	0.213199
Aqp4	-0.33847	0.069624	0.213064
Gm9812	-0.97245	0.069597	0.213044
Dcaf17	-0.28872	0.06955	0.212947
Cntrob	-0.71071	0.069475	0.212758
Vsnl1	-1.94636	0.069219	0.212106
Rora	-0.16259	0.069268	0.212213
Ykt6	-0.26897	0.069109	0.211941
Gm44532	-1.45512	0.068929	0.211476
Gm9905	-1.44892	0.068943	0.211476
Psph	-0.32106	0.068744	0.211211
Nrn1l	-1.44279	0.068642	0.210985
Acot11	-0.80105	0.06863	0.210985
Msh2	-0.28993	0.068583	0.210934
Fam110b	-0.54579	0.068509	0.210793
Slc1a2	-0.23071	0.068271	0.210276

Mbd6	-0.25531	0.068039	0.209734
Gm49266	-0.41584	0.067879	0.209543
Atg16l2	-0.56345	0.067681	0.209103
Cep68	-0.26627	0.067679	0.209103
Gm49024	-1.45961	0.067524	0.208764
Golga5	-0.27785	0.067414	0.208582
Amot	-0.28104	0.067241	0.208089
Mars2	-0.51941	0.067112	0.207733
Wasf1	-0.72436	0.066917	0.207258
Gm20721	-0.59547	0.066962	0.207352
Plekhg4	-1.60181	0.066623	0.206603
Nol9	-0.41606	0.0664	0.206041
Ddrgk1	-0.13318	0.066383	0.206031
Gm46430	-0.46315	0.066273	0.205731
Rmi1	-0.38255	0.066076	0.205291
Farp1	-0.3089	0.066104	0.205334
Gm42547	-0.55273	0.066045	0.205236
Gm35554	-19.3525	0.065808	0.204711
Rpa2	-0.39881	0.065952	0.205032
Gm43260	-0.57574	0.065719	0.204521
Gm7598	-1.33559	0.065503	0.204101
A430110L	-1.29114	0.06554	0.204101
Flnb	-0.13204	0.065543	0.204101
Jmy	-0.17407	0.065543	0.204101
Tcea1-ps1	-0.99303	0.065397	0.203898
Wdr1	-0.17033	0.06548	0.204074
Mycbp2	-0.14207	0.065337	0.203756
Ccl27a	-0.37974	0.065259	0.203554
Plxna1	-0.39258	0.065178	0.203342
Gdi1	-0.20205	0.065048	0.203024
Plxnd1	-0.20318	0.064844	0.202471
Glyr1	-0.18688	0.064395	0.201361
Brd8	-0.17136	0.064348	0.201299
Mterf1b	-1.43487	0.064193	0.201023
Fam199x	-0.30151	0.06431	0.201265
Gabrr3	-2.14502	0.064012	0.200541
Ctf1	-0.91588	0.06411	0.200807
Lin9	-0.66213	0.063925	0.200394
Khynyn	-0.2588	0.063948	0.200425
Snrpc	-0.18102	0.063823	0.200157
Ppp1r1a	-0.49068	0.063796	0.200125
Hspbap1	-0.63191	0.06365	0.199783
Anapc2	-0.23445	0.063512	0.199475
Rnf44	-0.22211	0.063462	0.199362
Commd4	-0.25658	0.063386	0.199163
Extl3	-0.15398	0.063344	0.199075
Fcrl5	-18.1691	0.063106	0.198574

Ruvbl1	-0.27987	0.063298	0.198969
Zfp385a	-0.22829	0.063266	0.198913
8030462N	-0.2374	0.06325	0.198904
Ap3d1	-0.21023	0.063186	0.198785
Dyrk1b	-0.44436	0.063002	0.19829
Gm29488	-0.48017	0.062968	0.198225
Zfp462	-0.2837	0.062741	0.197678
Zeb2os	-0.96556	0.062488	0.196962
Neurl2	-0.45765	0.062341	0.196583
Gm43281	-0.66232	0.062324	0.196569
Gm48250	-19.6402	0.062061	0.196028
Nedd4l	-0.2741	0.062226	0.196301
Galnt7	-0.25572	0.062214	0.196301
Pfkip	-0.18952	0.062189	0.196268
Gm38169	-1.64264	0.062031	0.195997
A330009N	-0.48115	0.062146	0.196215
Crebrf	-0.16024	0.062088	0.196073
Mrpl46	-0.287	0.062038	0.195997
Arap1	-0.53565	0.061852	0.195615
9930021JC	-0.19072	0.061779	0.195427
Dtx4	-0.49897	0.061682	0.195204
Ahctf1	-0.21905	0.061702	0.195223
Tnrc18	-0.16584	0.061582	0.194928
Twist1	-0.52221	0.061554	0.19488
Arfgef2	-0.33761	0.061534	0.19488
1810030O	-0.30125	0.061547	0.19488
Frmd5	-0.31932	0.061438	0.19473
Ptges3	-0.12516	0.061401	0.194724
Zfp41	-0.59193	0.061271	0.194355
St8sia1	-0.40811	0.061186	0.194124
Slc8a3	-0.93615	0.06108	0.193833
Fkrp	-0.30294	0.060999	0.193779
Rabl2	-0.6351	0.060786	0.193183
A630052C	-0.68475	0.060719	0.193011
Eepd1	-0.41534	0.060638	0.192795
Gm28791	-0.55567	0.060541	0.192572
Exoc7	-0.28104	0.060539	0.192572
Tns1	-0.10221	0.060461	0.192528
Pik3c2b	-0.43307	0.060425	0.192487
Naa16	-0.31161	0.060383	0.192436
Zfp142	-0.39046	0.060361	0.192436
Rangap1	-0.25894	0.0603	0.192291
Hdac7	-0.15581	0.060262	0.192213
Gm16169	-19.8136	0.059981	0.191699
1110025N	-0.66568	0.060134	0.191885
Unc80	-0.44324	0.060118	0.191885
Eri3	-0.34032	0.060131	0.191885

B930095G	-0.56196	0.060118	0.191885
Tasor	-0.15581	0.060092	0.191885
Ppp4r1	-0.27725	0.059967	0.191699
Fv1	-1.50569	0.059723	0.191225
Polr3a	-0.41518	0.059881	0.191528
Capn7	-0.28285	0.05982	0.191372
Terf1	-0.24344	0.059783	0.191296
Nbl1	-0.20919	0.059772	0.191296
Gm17634	-1.37405	0.059512	0.190754
Cplx2	-0.42662	0.059593	0.190891
Bcat1	-0.36748	0.059586	0.190891
Ifi27	-0.13929	0.059564	0.190879
Hmgcn3	-0.23146	0.05948	0.190694
Gm37292	-1.92796	0.059165	0.189885
Ube3a	-0.13411	0.05929	0.190123
Niban2	-0.18919	0.059274	0.190123
Inha	-1.70783	0.059072	0.189722
Smpd4	-0.42851	0.059089	0.189722
Il17d	-1.3104	0.058786	0.189061
Abca4	-0.223	0.05887	0.189265
Hspa4	-0.17136	0.058794	0.189061
Sirt1	-0.26716	0.058672	0.18879
Cdk5r1	-0.76385	0.058238	0.187514
Flcn	-0.36094	0.058187	0.18739
Sall3	-2.01328	0.057883	0.18653
Fam114a1	-0.29004	0.057954	0.18672
Rian	-0.88456	0.057875	0.18653
Rpa3	-0.29101	0.057845	0.18649
Arl4c	-0.81637	0.057793	0.186362
Zranb2	-0.15826	0.057695	0.186086
Ctdspl2	-0.21492	0.057576	0.185782
Tmem106b	-0.30298	0.057536	0.185693
Trmt61a	-0.68733	0.057367	0.185187
Puf60	-0.1853	0.057165	0.184613
Mdga2	-1.37085	0.057023	0.184276
Osgep	-0.22957	0.057103	0.184495
Wdr25	-1.06463	0.056949	0.184075
Reep6	-0.18481	0.056914	0.184004
Txlna	-0.24539	0.056846	0.183864
Gm45762	-0.80659	0.056616	0.183276
Dhx36	-0.17136	0.056708	0.183536
Gm17066	-0.49473	0.056489	0.182907
Morc3	-0.27429	0.056402	0.182703
Herc4	-0.25258	0.056395	0.182703
Pwwp3a	-0.24337	0.056179	0.182138
Diaph3	-0.61349	0.056128	0.182051
Rbsn	-0.2896	0.05614	0.182051

Gm26672	-0.69593	0.056024	0.181823
Astn1	-1.57133	0.055846	0.181413
Cacna1c	-0.44703	0.05596	0.181664
BC065403	-1.30398	0.055802	0.181413
Slc10a7	-0.33218	0.055895	0.181499
Synrg	-0.19375	0.055897	0.181499
Tmem14a	-0.55518	0.055805	0.181413
Slc39a2	-1.75754	0.055548	0.180875
4933413LC	-19.9098	0.055529	0.180875
Zbtb11	-0.29781	0.055671	0.181238
Gm48027	-0.68172	0.055543	0.180875
Cep89	-0.52591	0.055377	0.180514
E130304IO	-19.5692	0.054891	0.179117
Gm2233	-18.9857	0.054821	0.178974
Gtf3c5	-0.47567	0.054786	0.178939
St6gal1	-0.30571	0.0548	0.178946
Morn2	-0.41606	0.054718	0.178756
Poll	-0.6685	0.054614	0.178494
Dele1	-0.26775	0.05463	0.178507
Gm8865	-1.23399	0.054481	0.178135
Fam228b	-1.27143	0.054457	0.178096
B330016D	-0.33345	0.054452	0.178096
Bhlhe23	-18.2602	0.054132	0.177191
Kctd1	-0.45545	0.054311	0.177738
Rgs22	-18.4071	0.054082	0.177066
Sema4a	-1.37216	0.054049	0.176994
Lsm4	-0.21941	0.053994	0.176854
Isl1	-1.27742	0.053844	0.17644
Zfp870	-0.50525	0.053842	0.17644
5330439AI	-18.2507	0.05366	0.176146
Tbx15	-0.60522	0.053779	0.17638
Cav2	-0.15831	0.053824	0.17644
Zfp101	-0.41779	0.053764	0.17638
Cnot10	-0.25927	0.053702	0.176244
Gm37077	-2.06699	0.053499	0.175768
Gm44862	-19.97	0.053483	0.175768
Ephx2	-0.63182	0.05361	0.176019
Gm43662	-19.5166	0.053461	0.175768
Snx11	-0.33301	0.053522	0.175768
Polr1b	-0.70682	0.053494	0.175768
Smox	-0.21615	0.053512	0.175768
Cab39l	-0.2617	0.053505	0.175768
Hmg20b	-0.15375	0.053436	0.175755
Zfp738	-0.37226	0.053357	0.175574
Taf3	-0.21517	0.053327	0.175552
Rax	-0.28068	0.053292	0.175476
Gm17875	-19.7643	0.053029	0.174841

Ctbp1	-0.16756	0.053157	0.175107
Ubac1	-0.31352	0.053106	0.174979
Dnajb5	-0.44123	0.053051	0.174873
Gm48872	-1.3337	0.052856	0.174387
Arhgef25	-0.31981	0.052911	0.174529
Dnajb14	-0.22723	0.05285	0.174387
Uchl4	-1.55547	0.052682	0.174042
Gm9013	-2.43391	0.052454	0.17345
Pi4kb	-0.39129	0.052444	0.17345
Tgfbr1	-0.3207	0.052319	0.173186
MacroD2	-0.42278	0.052232	0.172936
Gm10916	-1.90596	0.051775	0.171763
Amph	-0.4919	0.051831	0.171914
Gm8013	-1.81377	0.051568	0.171189
Rpgrip1	-0.17553	0.051579	0.171189
Tnfsf12	-0.17714	0.051524	0.171121
Zfp536	-0.46767	0.051416	0.170839
Osbp18	-0.23038	0.05136	0.170729
Mettl16	-0.29798	0.051289	0.17057
Zfp11	-0.61713	0.051117	0.17011
Mylpf	-0.35269	0.051117	0.17011
Il15	-0.52695	0.051082	0.170068
Slc5a3	-0.39524	0.051049	0.169998
Dcc	-1.30955	0.050843	0.169475
Luzp2	-0.57468	0.050934	0.169691
Mrpl38	-0.28672	0.050885	0.169565
Gm43792	-0.52911	0.050847	0.169475
Gm30382	-18.4939	0.050609	0.168796
Gm44093	-1.11161	0.050518	0.168567
Smg1	-0.19217	0.050583	0.168747
Twf2	-0.22753	0.050468	0.168438
Spr	-0.16654	0.050403	0.168295
Cplane1	-0.31041	0.050392	0.168294
Zfp109	-1.94847	0.050154	0.167652
Sh2d2a	-18.6011	0.050091	0.167551
Pou2f1	-0.2296	0.05005	0.167453
Ppp4r3a	-0.22233	0.050042	0.167453
Cacnb4	-1.52098	0.049701	0.166655
Gm14421	-1.95938	0.04967	0.16661
Myo9a	-0.21345	0.049805	0.166866
Nr2e3	-0.19561	0.049676	0.16661
2900093K	-0.50068	0.049646	0.166586
B930059L	-1.34543	0.04945	0.166149
Ppip5k1	-0.34913	0.049534	0.166303
Tmtc3	-0.32771	0.04954	0.166303
Gm37621	-0.68282	0.04921	0.165379
Gm48335	-1.72897	0.049142	0.165336

Jakmip1	-1.30551	0.049137	0.165336
Rab6b	-0.31072	0.049181	0.165379
Gm45828	-0.33474	0.049172	0.165379
Fip1l1	-0.18887	0.049119	0.165336
BC031181	-0.16009	0.048941	0.164958
Mktn3	-0.88452	0.04886	0.164723
Cand1	-0.2602	0.04886	0.164723
Sft2d1	-0.47632	0.048705	0.164312
Gpr158	-19.8043	0.048459	0.16363
Perm1	-2.28286	0.048396	0.163488
Zfp563	-0.49807	0.048275	0.163277
Efcab5	-1.96992	0.048076	0.162739
Chsy1	-0.37023	0.048113	0.162827
Rnf227	-0.53962	0.047961	0.162425
Gm48914	-2.03383	0.047712	0.161691
Zfp952	-0.40155	0.047845	0.162068
3010001F2	-0.33317	0.0478	0.161952
Gm49154	-1.29778	0.04768	0.161687
Gm14853	-0.95568	0.047644	0.161605
Pigh	-0.4101	0.047708	0.161691
Srcap	-0.38128	0.047616	0.161584
Gm38372	-0.60954	0.047537	0.16137
Smc1a	-0.14466	0.047542	0.16137
Gm44153	-0.99726	0.047296	0.16079
lsm1	-0.42653	0.047367	0.160994
Pithd1	-0.31319	0.047244	0.160685
2810013P1	-0.23144	0.047112	0.160273
Gm26910	-0.80435	0.047045	0.16008
B3galt1	-0.99047	0.046956	0.159959
Nucks1	-0.12343	0.047019	0.160031
Gli3	-0.91011	0.046992	0.159975
Tmem132l	-1.29208	0.046823	0.159617
4930470G	-2.19964	0.046671	0.159317
Erg	-0.1632	0.04685	0.159657
Sp4	-0.26385	0.046797	0.159598
Oip5os1	-0.12207	0.046823	0.159617
H2bc3	-2.08144	0.046495	0.158888
Gm41793	-19.1934	0.046425	0.158699
Ager	-0.82753	0.046515	0.158888
Zscan22	-0.58221	0.046525	0.158888
Gm14326	-0.76075	0.046427	0.158699
Fbxo43	-2.70978	0.04627	0.158337
Igsf11	-0.69598	0.046279	0.158337
Pkn1	-0.19179	0.04629	0.158339
Cdkl2	-0.8964	0.046171	0.158078
Gm47158	-18.8069	0.045997	0.157627
Fam220a	-1.23771	0.045977	0.157594

Gm6916	-19.0075	0.045895	0.157384
Invs	-0.45215	0.046013	0.157644
Cdcp3	-0.9367	0.045842	0.157298
Rsu1	-0.14574	0.045906	0.157387
Ifi44	-0.30315	0.045872	0.157341
Mettl1	-0.53616	0.045849	0.157298
Atad3aos	-0.87727	0.045799	0.157268
Cpsf1	-0.34214	0.045753	0.157155
Rbpj	-0.23981	0.045725	0.157126
Phtf1	-0.37026	0.045646	0.156893
Xkr6	-0.7461	0.045536	0.156619
Bloc1s1	-0.25071	0.045612	0.156845
Amigo2	-0.91137	0.045526	0.156619
Rftn2	-0.40583	0.0455	0.156567
Rmdn3	-0.38811	0.045469	0.156534
C130080G	-18.8466	0.045054	0.155533
Fzd5	-0.45881	0.045182	0.155672
Ptpn21	-0.30214	0.04516	0.155672
A430019L	-0.54747	0.045155	0.155672
Fam174c	-0.58524	0.045112	0.155592
Plcb1	-0.14949	0.045169	0.155672
Ppm1h	-0.33977	0.045084	0.155592
Gm47258	-1.38371	0.044963	0.155269
Emc1	-0.27803	0.044967	0.155269
Magef1	-0.41046	0.044733	0.154648
Gm38032	-2.36258	0.044461	0.154018
Tm2d3	-0.21174	0.044632	0.15446
Sf3a3	-0.23642	0.044575	0.154343
G3bp1	-0.16009	0.04449	0.154085
Ndufa5	-0.13562	0.044353	0.153718
C130083A	-1.46375	0.044223	0.153407
Ttc13	-0.45131	0.044299	0.153578
Xpc	-0.26121	0.044303	0.153578
Ednra	-0.29938	0.044285	0.153578
Cdh11	-0.45373	0.044145	0.153179
Gm37531	-0.29971	0.044147	0.153179
Nid2	-0.48012	0.044057	0.153008
Agbl3	-0.48351	0.043986	0.152832
Iscu	-0.17688	0.044	0.152848
Gpx4-ps2	-0.29508	0.043537	0.151715
Cep41	-0.69243	0.043307	0.151138
Psmc5	-0.18408	0.04336	0.15122
Stk38l	-0.31757	0.043349	0.151215
Ccng1	-0.33843	0.043316	0.151138
Gcfc2	-0.47982	0.043126	0.150581
Chpf	-0.57152	0.043076	0.150438
Gm42841	-0.70798	0.04304	0.150384

Tsnax	-0.20315	0.043037	0.150384
B3glct	-0.41496	0.043012	0.150384
Rc3h2	-0.19594	0.042957	0.150269
Mast1	-0.86391	0.042743	0.149732
Sgip1	-0.30284	0.042808	0.149887
Lipg	-2.23051	0.042626	0.149484
Map1b	-0.18172	0.042794	0.149875
Tubb4a	-0.72326	0.042733	0.149732
Gm14335	-1.36388	0.042633	0.149484
Denn2b	-0.3114	0.042738	0.149732
Slc25a26	-0.80151	0.042672	0.149588
Gm29170	-0.75717	0.042437	0.149007
Gabra1	-1.45863	0.04232	0.148769
Snap91	-0.38406	0.042387	0.148923
Cct8	-0.17672	0.042418	0.148974
Fgfr1op2	-0.19526	0.042393	0.148923
Tsn	-0.15128	0.042313	0.148769
Tafa5	-0.68401	0.042247	0.148611
Asxl2	-0.22742	0.042255	0.148611
Fam184b	-1.23317	0.042149	0.148345
2510009E	-0.23342	0.042173	0.148394
Gm30698	-2.05917	0.041992	0.147862
Atp7b	-1.47355	0.041932	0.147759
Atp13a1	-0.36924	0.041991	0.147862
A330084C	-1.46674	0.041835	0.147518
Kcnj8	-0.2401	0.041957	0.147808
Scrn3	-0.40135	0.041902	0.147719
Sptssb	-1.34072	0.041827	0.147518
Hspe1	-0.1789	0.041816	0.147518
Enkd1	-0.55392	0.04165	0.146981
Pola1	-0.53753	0.041654	0.146981
Dock6	-0.19022	0.041502	0.146549
Shank2	-1.17434	0.041342	0.146141
Fbxo45	-0.36179	0.041347	0.146141
Al463170	-1.77409	0.04118	0.145709
Ubxn6	-0.23207	0.041273	0.145981
Grem2	-19.0737	0.041056	0.145356
Pgpep1	-0.41011	0.041186	0.145709
Cep290	-0.26089	0.041057	0.145356
Zfp664	-0.19549	0.041033	0.145337
Zfp707	-0.47289	0.040907	0.145031
Fat3	-1.69996	0.040771	0.144688
Birc6	-0.16187	0.040689	0.14448
Prkcz	-0.52309	0.040616	0.144305
9130019O	-0.8841	0.040627	0.144309
AW554918	-0.3644	0.040356	0.143449
Cep83	-0.33143	0.040342	0.143433

3110056Kl	-0.31571	0.04027	0.143245
Wdr73	-0.51904	0.040106	0.142732
Cyp39a1	-0.64685	0.040016	0.142445
Sphkap	-0.72846	0.039904	0.142158
Muc3a	-0.58513	0.039959	0.142306
Wtip	-0.20737	0.039968	0.142306
Itgb8	-0.77047	0.039907	0.142158
Fam221b	-1.68746	0.039745	0.141749
9530026Pl	-0.36247	0.039868	0.142085
2700038G	-0.68163	0.039834	0.141998
Foxk2	-0.33805	0.039767	0.141793
Slc22a28	-18.7588	0.039483	0.141017
Msra	-0.43646	0.039625	0.141455
Ttf2	-0.73165	0.039387	0.140741
Psmc1	-0.18145	0.039348	0.140693
Pik3r6	-0.32959	0.039334	0.140693
Cited2	-0.19064	0.039341	0.140693
Gm14049	-1.21941	0.039157	0.140219
Zfp959	-0.5576	0.039185	0.140285
A230107N	-2.33419	0.038991	0.139755
Pigb1	-0.40442	0.038999	0.139755
Oscp1	-0.75316	0.038729	0.138985
H3c4	-2.08557	0.038429	0.138134
Rock1	-0.12687	0.038574	0.138528
Tmem74b	-19.2294	0.038376	0.138049
Senp1	-0.29334	0.038548	0.138468
A930014E	-18.6548	0.038286	0.137859
Mga	-0.18666	0.038455	0.138167
Gm14412	-19.4808	0.038261	0.137836
Chtop	-0.19633	0.038326	0.137936
Guca1b	-0.17915	0.038307	0.1379
Rbl1	-0.472	0.038273	0.137847
MIh3	-0.37157	0.038187	0.137636
Kif17	-19.7606	0.038	0.137128
Cdc37l1	-0.17618	0.038175	0.137623
Ncln	-0.37882	0.038159	0.137623
Phip	-0.16149	0.038124	0.137539
Gm48062	-0.76085	0.037991	0.137128
A930027H	-1.89477	0.037938	0.137
Odad4	-1.45042	0.037836	0.136699
Gm43545	-1.09222	0.037815	0.136657
Fmc1	-0.22489	0.037858	0.136744
Frem1	-1.91166	0.037572	0.136007
Itih5	-0.30392	0.037728	0.136407
A430035B	-0.40269	0.037664	0.136208
Cops3	-0.2482	0.037658	0.136208
Gm49706	-0.9819	0.037554	0.135975

Cdkl5	-0.48641	0.037534	0.135953
Gpsm2	-0.406	0.037377	0.135538
Gm37850	-2.11189	0.037245	0.13512
Gm37716	-2.3721	0.037021	0.134402
Pla2g3	-18.7517	0.036854	0.133893
Gm37764	-0.73153	0.036766	0.133674
Smad3	-0.41022	0.036646	0.133293
Gm49336	-0.34517	0.036634	0.133291
Agpat3	-0.15055	0.036489	0.132826
Rbl2	-0.31121	0.036482	0.132826
Syt3	-18.8604	0.036312	0.132375
Bbip1	-0.19598	0.036437	0.132701
Ubfd1	-0.32854	0.036434	0.132701
C9orf72	-0.45783	0.036234	0.132123
Cenps	-1.23917	0.036187	0.13201
Cacna1g	-1.03911	0.03615	0.131962
Opa1	-0.29422	0.036178	0.13201
Ccn6	-19.2803	0.035978	0.131462
Abcb1a	-0.08738	0.036027	0.131591
Gm2694	-1.56325	0.0359	0.131322
Cep135	-0.44789	0.035982	0.131462
8430406P	-1.83149	0.035823	0.131166
Gm42856	-0.90057	0.035859	0.131236
Armc1	-0.23103	0.035954	0.131453
Gucy2e	-0.28627	0.03589	0.131318
Tigar	-0.50394	0.035831	0.131166
Dgke	-0.25115	0.035799	0.131145
Fars2	-0.47635	0.035769	0.131067
Dus3l	-0.41192	0.035626	0.130636
Rab10os	-0.35008	0.035455	0.130074
Lrrc46	-1.64648	0.035379	0.12989
Gm15530	-0.53177	0.035285	0.12964
Gm44639	-0.52291	0.035137	0.129224
4930404I0	-18.77	0.034976	0.128695
Gm42615	-2.51726	0.034833	0.128358
Dlg1	-0.27438	0.034943	0.128604
Cct6a	-0.17095	0.034907	0.128537
Ttc1	-0.27626	0.034873	0.128441
Myo9b	-0.3972	0.034813	0.128316
9430041J1	-2.46596	0.034656	0.127959
Hjurp	-0.5819	0.034765	0.128194
Ift172	-0.34917	0.034756	0.128194
Gm37011	-18.639	0.034589	0.127842
Akain1	-1.71482	0.034607	0.127872
Srek1	-0.20538	0.034735	0.128154
Rad51	-2.05709	0.03454	0.127822
Rubcn	-0.36407	0.034636	0.127915

4632427E:	-0.22212	0.034633	0.127915
1700116B:	-2.04227	0.034491	0.127726
Psm14	-0.28002	0.03459	0.127842
Zfp865	-0.34613	0.034557	0.12783
Cav1	-0.19532	0.034561	0.12783
Gm43588	-1.16195	0.034447	0.127644
Ankrd50	-0.24714	0.034517	0.12779
Tesc	-0.54437	0.034481	0.127722
Cend1	-0.65763	0.034432	0.127636
E330034L1	-0.66907	0.034333	0.127364
Acs13	-0.22185	0.034376	0.127492
Meig1	-1.09127	0.034248	0.127141
Gm43258	-0.95381	0.034204	0.12704
Ndufa4	-0.0956	0.034242	0.127141
Prdm11	-0.91957	0.034042	0.126535
4632415L:	-0.30307	0.034095	0.126667
Zfp60	-0.41516	0.034042	0.126535
Gm37370	-1.52773	0.033924	0.126316
Stmn1	-0.19175	0.034018	0.126507
2310040G	-1.06764	0.03394	0.12632
BC034090	-0.62442	0.033903	0.126268
Il11ra1	-0.29586	0.033948	0.12632
Dohh	-0.28797	0.033901	0.126268
Nrxn1	-1.89508	0.033718	0.125735
Gm43609	-0.84013	0.033738	0.125778
Gm16958	-1.22095	0.033615	0.125444
Sc5d	-0.30672	0.033643	0.125488
Tia1	-0.20662	0.033461	0.124948
Rims2	-0.32594	0.033421	0.124846
Vipr2	-1.36187	0.033225	0.124207
Gm49972	-0.62598	0.033105	0.123849
Kif27	-20.0667	0.032774	0.122779
Gm29216	-1.08029	0.032794	0.122779
Gm47483	-0.55942	0.032794	0.122779
Ripor2	-0.48718	0.032807	0.122795
Garem1	-0.6359	0.032778	0.122779
Lhpp	-0.76027	0.032749	0.122762
Gm44249	-2.60783	0.032604	0.122407
Rad17	-0.30982	0.032774	0.122779
Nxt2	-0.43902	0.032704	0.122672
Upf3a	-0.2431	0.032658	0.122544
Unc13c	-0.37742	0.032637	0.122496
Ppp2r3d	-0.39711	0.032596	0.122407
Zfp979	-0.42982	0.032605	0.122407
Nars	-0.19402	0.032603	0.122407
A930040O	-2.83116	0.032279	0.121487
Gm46436	-1.2045	0.032261	0.12148

Etv1	-0.35398	0.032366	0.121724
Kmt2e	-0.11763	0.032338	0.121651
Exosc2	-0.47206	0.032269	0.12148
Gm37953	-1.35384	0.032149	0.121244
Arhgef16	-1.72737	0.032126	0.121185
Dnajb2	-0.28026	0.032219	0.121355
Tarbp2	-0.39696	0.032179	0.121266
Dicer1	-0.20953	0.032163	0.121265
Zfp551	-1.22577	0.032023	0.120981
Ssbp2	-0.31091	0.032035	0.120997
Trmt2a	-0.36069	0.032018	0.120981
Psmc10	-0.33816	0.031958	0.120797
Acly	-0.24149	0.031882	0.12058
Tjp1	-0.11308	0.031868	0.12058
Cbx5	-0.17651	0.0318	0.120381
Ndufc1	-0.15045	0.031766	0.120284
Ksr2	-2.32521	0.031432	0.119201
Gm37051	-19.6125	0.03138	0.119031
Fgd4	-0.51762	0.031476	0.119337
Ogdhl	-0.88283	0.031324	0.11885
A830019Pi	-1.12682	0.031221	0.118551
Suv39h2	-0.76171	0.031261	0.118641
Sox2ot	-1.62041	0.031123	0.118338
Gnl2	-0.3207	0.031205	0.11852
Gucy1b1	-0.24153	0.031234	0.11857
Rarres2	-0.25522	0.031201	0.11852
Psmc3	-0.17186	0.031177	0.118474
Zfp629	-0.44691	0.031126	0.118338
Dvl1	-0.32217	0.031122	0.118338
Tph2	-1.49913	0.030989	0.117928
BC005624	-0.22381	0.030994	0.117928
Mzf1	-1.13193	0.030855	0.117489
Ddx6	-0.13155	0.0309	0.11763
A230057D	-1.42189	0.030635	0.116739
Gm19667	-0.66285	0.030539	0.116492
Pik3r2	-0.41105	0.03052	0.116449
C2cd3	-0.42751	0.030489	0.11636
Ccm2	-0.34391	0.030474	0.116335
1110019D	-1.24049	0.030349	0.115944
Ints6l	-0.35729	0.030392	0.116049
Pno1	-0.50342	0.030293	0.115787
Gm12846	-18.6974	0.030126	0.11534
Nol4	-1.50397	0.030118	0.11534
Tmem170l	-0.37003	0.030238	0.115637
Igf1	-2.11458	0.030111	0.11534
Ears2	-0.97385	0.030129	0.11534
Kcnk1	-0.83818	0.030137	0.11534

Grk3	-0.45149	0.030178	0.115437
Heatr5b	-0.50573	0.030158	0.11539
Gvin2	-0.52204	0.030125	0.11534
Gm13622	-0.85055	0.030091	0.11534
U2af2	-0.21789	0.030123	0.11534
Plch1	-0.8368	0.030023	0.115229
Fancg	-0.93571	0.029996	0.115154
Ints6	-0.30478	0.030057	0.115268
Sos2	-0.22413	0.030054	0.115268
mt-Nd6	-0.26341	0.029911	0.114888
Apip	-0.32659	0.029796	0.114474
Mab21l2	-0.95513	0.029579	0.113785
Adcy6	-0.27572	0.029532	0.113693
Galnt17	-0.58397	0.029514	0.113655
Hdac5	-0.25036	0.029481	0.113554
Ppt1	-0.25838	0.029478	0.113554
Gm47772	-19.2523	0.029246	0.112768
Meis1	-0.59024	0.029356	0.113133
Gpr179	-1.28331	0.029245	0.112768
Kcnj13	-1.32553	0.029209	0.11274
Gm47647	-0.50294	0.029229	0.112758
Gm31356	-2.6762	0.029044	0.112336
Tubb4b	-0.16849	0.029164	0.112624
Ilf3	-0.27023	0.029104	0.112451
Kcnj10	-0.51222	0.029075	0.112412
Azin1	-0.26891	0.029082	0.112412
Orc3	-0.39599	0.029017	0.11226
B020010K	-1.02263	0.028975	0.112201
Adam8	-2.26347	0.028848	0.111835
Meis2	-0.48129	0.028895	0.111982
Ubr1	-0.23137	0.028702	0.111387
Rabgef1	-0.22848	0.028666	0.111303
4930551O	-19.8416	0.028479	0.11072
Ufc1	-0.21036	0.028626	0.111175
4932438A	-0.20042	0.02859	0.111068
Sct	-2.63243	0.028273	0.110193
Arhgef19	-1.46093	0.028298	0.110218
Gm45183	-19.9648	0.028196	0.110054
Sobp	-0.4649	0.028277	0.110193
Tcof1	-0.31967	0.028266	0.110193
Ubxn11	-1.14843	0.028134	0.109924
Otud1	-0.39749	0.028197	0.110054
Pkmyt1	-1.76859	0.028063	0.109813
Fktn	-0.35655	0.028122	0.109904
Samd4	-0.44073	0.028088	0.109829
Gm43597	-0.79601	0.028007	0.10966
Pak3	-0.45609	0.028016	0.10966

Tulp1	-0.18719	0.028013	0.10966
Dennd4b	-0.67617	0.027887	0.109242
Six5	-0.54806	0.027886	0.109242
Sipa1l3	-0.40024	0.027799	0.108976
Lhfpl4	-0.83946	0.027751	0.10888
Clip4	-0.60999	0.027743	0.108876
Gm11940	-19.6705	0.027581	0.108356
Obi1	-0.58416	0.027642	0.108536
5730480H	-0.45821	0.027576	0.108356
Qrfpr	-1.2585	0.027483	0.108084
Carmil2	-18.9277	0.027285	0.107553
Scn8a	-0.80126	0.027298	0.107553
Gm42727	-0.84644	0.027288	0.107553
Gm43481	-0.6628	0.027298	0.107553
Immp1l	-0.27206	0.027323	0.107623
Gnpda2	-0.27353	0.027258	0.10751
Ubn2	-0.18448	0.027192	0.107278
Rit2	-1.32799	0.027032	0.106835
Baz2b	-0.15521	0.027129	0.107057
Dut	-0.31765	0.027089	0.106984
Srsf6	-0.22573	0.027037	0.106835
Vangl1	-0.30128	0.027003	0.106761
Arhgap17	-0.20436	0.027004	0.106761
Gm33056	-19.9245	0.026827	0.106315
Chchd4	-0.38441	0.026965	0.10672
Gm11508	-2.25881	0.026823	0.106315
Htatsf1	-0.23239	0.026891	0.106483
Rps6kb2	-0.37735	0.02686	0.10639
Slc26a10	-0.74377	0.026837	0.106325
Ank2	-0.31456	0.0268	0.106264
Rorb	-0.24839	0.026751	0.106124
Zcchc10	-0.36024	0.026544	0.105361
Gm12166	-0.45647	0.026417	0.104912
Serpinc1	-1.32989	0.026281	0.104453
Nktr	-0.16914	0.026403	0.104884
Ntm	-0.56873	0.026317	0.104569
Osbpl6	-0.73716	0.026159	0.104136
Tcf12	-0.17578	0.026203	0.104201
Brix1	-0.31399	0.026174	0.104144
Hey1	-0.26095	0.026182	0.104144
Mib1	-0.20196	0.026177	0.104144
Strbp	-0.27457	0.02614	0.104085
Gulo	-1.56411	0.025983	0.103712
Patj	-1.09931	0.026022	0.10377
Exoc5	-0.21249	0.026042	0.103781
Cenpe	-1.47241	0.025861	0.103307
Ptpr	-0.24731	0.025806	0.10314

Hdac10	-0.63942	0.025742	0.102995
Zfp518a	-0.37024	0.025765	0.103005
Castor2	-0.49012	0.025751	0.103002
Slit2	-1.30027	0.025651	0.102767
Oat	-0.24259	0.025741	0.102995
As3mt	-0.30784	0.025731	0.102995
Tle2	-0.61367	0.025387	0.101849
Zfp934	-0.70061	0.025256	0.101404
Mex3b	-0.51558	0.025282	0.10148
Snhg14	-0.56616	0.025225	0.101305
Gm37204	-0.50713	0.025194	0.10121
2010007H	-0.78328	0.025183	0.10119
Gatad1	-0.21443	0.025164	0.101142
Cadm2	-0.35547	0.025125	0.101011
Deptor	-0.68835	0.025071	0.100824
Sptbn2	-1.57308	0.02498	0.10059
BC025920	-1.02894	0.024975	0.10059
Ogfrl1	-0.26092	0.024993	0.10059
Cdh6	-1.09778	0.02489	0.100309
Gm43811	-1.39926	0.024782	0.100016
Cox6b2	-0.48799	0.024858	0.100232
Lrif1	-0.29347	0.024837	0.100178
Ing5	-0.33822	0.024828	0.10017
Hapln3	-0.78014	0.024678	0.099723
Zfp532	-0.33936	0.024687	0.099734
Lrp2	-1.42943	0.024457	0.098979
Gm44571	-19.6124	0.02431	0.098529
Efhd1	-0.5897	0.024417	0.098857
Septin6	-0.80425	0.02441	0.098855
Zik1	-1.28827	0.024301	0.098529
Dhx9	-0.2271	0.024386	0.098812
3110067C	-20.2058	0.024205	0.098236
Pgap1	-0.62418	0.024304	0.098529
Nek11	-19.7687	0.024154	0.098162
Slc17a2	-19.3963	0.024086	0.097912
Ptdss2	-0.41068	0.024203	0.098236
BB218582	-0.87414	0.024028	0.097703
Gm37639	-1.07869	0.024007	0.097644
Ikzf2	-0.63636	0.02393	0.097385
Tial1	-0.24179	0.02395	0.09744
Thap2	-0.31005	0.023929	0.097385
Slc4a2	-0.37877	0.023854	0.097127
Zfp59	-1.0962	0.02375	0.096811
Gm29358	-1.39929	0.023705	0.096653
Med23	-0.45179	0.023783	0.096892
A930003A	-0.28227	0.023632	0.096409
Celf2	-0.34549	0.023626	0.096409

Adamts3	-1.33054	0.023509	0.096039
Foxp4	-0.74157	0.023581	0.096251
Slfn3	-0.62508	0.02352	0.096056
Gm29427	-20.4054	0.023398	0.095714
Crygb	-0.67636	0.023431	0.095811
Ywhaq	-0.13887	0.023491	0.095991
Chrna7	-18.5111	0.023333	0.095528
Gm42826	-0.45495	0.02339	0.095707
Gm47232	-1.76198	0.023302	0.09548
Rgma	-0.5115	0.02336	0.09561
Pyurf	-0.44051	0.023309	0.095482
Rimkla	-2.17842	0.023194	0.095166
Epb41l3	-1.00467	0.023248	0.095333
Gm37254	-0.48446	0.02328	0.095442
Crot	-0.30772	0.023232	0.095294
Bet1	-0.2626	0.023143	0.095061
Aloxe3	-1.78561	0.023005	0.0947
Fam126b	-0.30424	0.023121	0.094995
Ncam1	-0.32447	0.023119	0.094995
Spon2	-1.20224	0.023091	0.094927
Cuedc2	-0.19958	0.023064	0.094868
Taf9b	-0.40786	0.02304	0.094795
Fbxo25	-0.42792	0.022999	0.0947
Rfx1	-0.51005	0.022938	0.094505
Fxyd3	-1.85701	0.022772	0.093974
Crybb1	-1.47082	0.022753	0.093925
Golga4	-0.19247	0.022832	0.094146
BC026513	-1.76142	0.022669	0.093627
2810004N	-0.331	0.02278	0.093983
Negr1	-0.59777	0.022702	0.093738
Clic6	-2.05006	0.022607	0.093495
Rrh	-0.82012	0.022641	0.09354
Hsd17b7	-0.64506	0.022621	0.093495
Oga	-0.19831	0.022609	0.093495
H4c9	-0.57348	0.022587	0.093495
2610037D	-0.39853	0.022592	0.093495
Inpp4b	-0.26844	0.022475	0.093101
Slc18b1	-0.68269	0.022415	0.092938
Gm13689	-0.97658	0.022348	0.09279
Slc35e1	-0.43638	0.022398	0.092938
Leng8	-0.21975	0.022246	0.09239
Fam155a	-2.41449	0.022022	0.091694
Angel2	-0.24748	0.02215	0.092055
Gm28424	-1.79088	0.022018	0.091694
Dzip3	-0.59184	0.022099	0.091883
Hk2	-0.36085	0.022068	0.091779
Arhgap42	-0.28583	0.022045	0.091759

Mpdz	-0.27676	0.022023	0.091694
Gm37954	-0.49021	0.021926	0.09139
Nudt15	-1.46133	0.021826	0.091127
Pdp2	-0.59572	0.02188	0.09125
Relch	-0.31058	0.021703	0.09074
Gm43605	-19.9807	0.021574	0.090277
Gm49712	-3.04455	0.021558	0.090257
Kifap3	-0.25911	0.021643	0.090512
Oxsr1	-0.3143	0.021612	0.09041
Uqcrc1	-0.20891	0.021573	0.090277
Syne1	-0.16606	0.021545	0.09023
Guca1a	-0.39192	0.021486	0.090007
Snrpd3	-0.21127	0.021485	0.090007
Psme2	-0.20066	0.021473	0.090002
Washc2	-0.28088	0.021365	0.089577
A730006G	-19.6188	0.021221	0.089049
Flii	-0.21112	0.021347	0.089527
B230206I0	-19.9228	0.021176	0.088882
Tpo	-19.8719	0.021066	0.088521
Gm37742	-2.11836	0.021053	0.088491
Mturn	-0.39542	0.021154	0.088819
Sugp2	-0.44871	0.020938	0.088132
Gm17203	-2.28797	0.020732	0.087336
Chmp5	-0.16907	0.020851	0.08779
Smg7	-0.27739	0.020786	0.087542
Hps4	-0.44877	0.020701	0.087231
Pi4ka	-0.34736	0.020682	0.0872
Trim5	-0.6309	0.020584	0.08686
Irs1	-0.84021	0.020525	0.08666
Pdzd8	-0.28288	0.020541	0.086705
Samd11	-0.26109	0.020518	0.086656
Agt	-1.36127	0.020317	0.085979
Gm12898	-2.34788	0.020277	0.085854
Ssbp3	-0.28604	0.020372	0.086138
Arpc5l	-0.22186	0.020343	0.086038
Ythdf3	-0.27885	0.020308	0.085962
Slc25a15	-0.81532	0.020215	0.085682
Gm43457	-0.92569	0.020092	0.085339
Pspc1	-0.35772	0.020146	0.085512
Ccnjl	-0.71976	0.020117	0.085419
Pwp1	-0.53565	0.019987	0.084988
Akap7	-0.32746	0.020003	0.085032
Gsk3a	-0.29167	0.019948	0.084872
Gigyf2	-0.23992	0.019935	0.084848
Plekhg3	-0.38571	0.019937	0.084848
Ifit2	-0.43747	0.019904	0.084755
Nek9	-0.25797	0.01988	0.084703

Lrrc4c	-0.73959	0.01982	0.08447
Zfp646	-0.33653	0.01982	0.08447
Otop3	-2.61135	0.019624	0.083868
Gm15327	-1.55052	0.019649	0.083933
Msto1	-0.5609	0.019657	0.083943
Gm44678	-20.1003	0.019539	0.08356
Dock8	-1.25384	0.019508	0.083475
Fpgs	-0.62497	0.019508	0.083475
Rprd1a	-0.34595	0.019494	0.083475
Hmgcr	-0.37478	0.019395	0.083133
Erbin	-0.21071	0.019343	0.082932
Ttyh1	-0.43834	0.019327	0.082888
Gm48231	-1.24625	0.019248	0.082666
Cnpy2	-0.22391	0.01928	0.082735
Man1b1	-0.35924	0.019184	0.082417
Stk39	-0.30871	0.019094	0.082126
Rasl10b	-0.73018	0.019048	0.082021
B230307C	-0.63061	0.01907	0.082068
Ascc3	-0.29225	0.019009	0.081901
Ttyh2	-0.37979	0.01899	0.081843
Gpatch3	-1.05226	0.01891	0.081615
Prdx4	-0.26223	0.018981	0.081828
Slc4a7	-0.30063	0.018889	0.081549
Spata1	-0.52909	0.018877	0.081517
Cabp4	-0.35119	0.018843	0.081397
Gtf2e1	-0.64588	0.018811	0.081334
Nacc2	-0.29057	0.018826	0.081371
Rcn3	-0.25505	0.018835	0.081384
Ankmy1	-19.4064	0.018677	0.080911
Fam184a	-0.75497	0.018689	0.080923
Dynll2	-0.22592	0.018715	0.081007
Gm10925	-1.02862	0.018627	0.080745
Gm10101	-2.24328	0.018506	0.080426
Tor1aip1	-0.17968	0.018617	0.080745
Slc30a9	-0.27595	0.018603	0.080745
Efcab2	-0.66547	0.018566	0.080616
Crbn	-0.3427	0.018562	0.080616
P2ry10b	-0.75508	0.018404	0.080005
Zfp638	-0.19268	0.018313	0.079727
Omg	-2.17207	0.01817	0.079206
Vgll4	-0.22778	0.018246	0.079481
Tubgcp3	-0.38998	0.018172	0.079206
Gm48069	-1.17903	0.018042	0.078708
Gm2396	-19.4616	0.017895	0.07818
Dock7	-0.51379	0.017992	0.078514
Mthfd2l	-0.35464	0.017954	0.078371
Gab3	-0.90838	0.017883	0.078153

Cit	-0.46427	0.017907	0.07821
Oxr1	-0.23871	0.017821	0.077924
Gm15696	-1.30638	0.01765	0.077289
Islr	-0.62682	0.017728	0.077586
Sorcs2	-1.92629	0.0176	0.077193
Kifc2	-0.78104	0.017644	0.077285
Gm16793	-3.36738	0.017523	0.076981
Tcf20	-0.31732	0.017623	0.077259
C78859	-18.6575	0.017458	0.076743
Gm12250	-0.8409	0.017557	0.077043
Dock10	-0.50626	0.017539	0.076987
Chaserr	-0.21755	0.017535	0.076987
Erdr1	-1.44583	0.017387	0.07654
Atic	-0.48354	0.017453	0.076743
Ndufaf4	-0.34317	0.017445	0.076728
Timm21	-0.42887	0.017418	0.076633
Hnmt	-1.65692	0.017308	0.076306
Rab3a	-0.29338	0.017407	0.076607
Lcmt1	-0.37781	0.017357	0.076453
Zfp236	-0.41088	0.017283	0.076219
Crybg3	-0.19663	0.017223	0.075977
Mrpl16	-0.41109	0.017184	0.075849
Gm37880	-19.767	0.017028	0.075314
Mettl5os	-1.81814	0.01701	0.075268
Zfp692	-0.63953	0.017062	0.075423
Med20	-0.40559	0.017096	0.075506
2610008E:	-0.3957	0.017007	0.075268
Bbs10	-1.11914	0.016925	0.075044
Glp2r	-19.6596	0.01686	0.074814
B930086L	-0.50805	0.016931	0.075044
Leng1	-0.4039	0.016931	0.075044
Mir17hg	-0.87439	0.016814	0.074702
Fgd5	-0.18554	0.016855	0.074814
Hs3st3b1	-0.55268	0.016796	0.074648
Gm4247	-19.9122	0.016639	0.074127
Mrps15	-0.32247	0.01674	0.07446
Prrx1	-0.53502	0.016735	0.07446
Dennd2a	-0.65707	0.016676	0.07422
Imp4	-0.35209	0.016673	0.07422
Sec23a	-0.37769	0.016654	0.074167
Piwil2	-20.3722	0.016501	0.073599
Ppp2r1b	-0.74178	0.016563	0.073846
Atp5k	-0.14939	0.016571	0.073861
Dynlt2a2	-0.60379	0.016461	0.073479
Mier1	-0.15057	0.016452	0.073464
Gm3625	-0.92056	0.016345	0.07303
Gm30191	-1.99792	0.016222	0.072656

Pih1d2	-1.1637	0.016256	0.072715
Al597479	-0.48067	0.016258	0.072715
Cyp4f41-p	-1.21592	0.016215	0.072656
Cplx4	-0.27017	0.01626	0.072715
Cabp1	-0.72616	0.016223	0.072656
D5Ert579	-0.27264	0.016237	0.072675
Fam193b	-0.32113	0.016206	0.072656
Wdr6	-0.445	0.016215	0.072656
Lman2l	-0.38822	0.016163	0.072516
Nphp1	-0.66378	0.016116	0.072328
Svet1	-20.506	0.015944	0.071709
Hmgxb3	-0.4613	0.01602	0.071964
Btbd3	-0.29271	0.016026	0.071969
Tubb2a	-0.25265	0.015997	0.071925
Gpr180	-0.43587	0.015925	0.071665
Dusp11	-0.16629	0.015935	0.07169
Eml6	-0.6333	0.015856	0.071432
Mob3b	-0.65807	0.015806	0.071278
Ddx18	-0.26163	0.015811	0.071283
Mettl8	-0.75001	0.015764	0.071196
Gemin8	-0.80487	0.015771	0.071205
Tsc22d1	-0.11372	0.015784	0.071223
Foxp1	-0.12774	0.015735	0.071111
Cc2d2a	-0.38284	0.015692	0.070956
Anapc5	-0.19892	0.015688	0.070956
Gm44863	-19.3162	0.01556	0.070518
Gm44679	-20.3366	0.015542	0.070486
Tmpo	-0.18389	0.015618	0.070687
Katna1	-0.4121	0.015607	0.070682
Ctsk	-1.07239	0.015536	0.070486
Nsd1	-0.1796	0.015589	0.07062
Sybu	-1.13482	0.015494	0.070339
Stk38	-0.19146	0.015521	0.070438
Fam3c	-0.21372	0.015486	0.070339
Zfp35	-0.59428	0.015434	0.07013
Synpr	-0.586	0.015395	0.070013
1700102H	-1.76363	0.015251	0.069531
Nrg4	-19.5289	0.015232	0.069463
1500009C	-19.8087	0.015224	0.069451
Ubp1	-0.30986	0.015262	0.069537
Marchf8	-0.36788	0.015117	0.068983
Psip1	-0.21976	0.015116	0.068983
Rex1bd	-0.20602	0.015061	0.068789
Erich5	-1.56342	0.014953	0.068403
Zfp408	-0.8317	0.015006	0.068579
Ift81	-0.43455	0.014948	0.068399
Map4	-0.15321	0.014808	0.067822

Ppfibp2	-0.57537	0.014778	0.067725
Slc6a17	-1.3375	0.014682	0.067365
Als2	-0.68696	0.014705	0.067454
Gm5844	-2.63711	0.014613	0.067133
Pls1	-1.40614	0.014626	0.067171
Dand5	-0.50637	0.014657	0.067271
Cwc27	-0.4217	0.014643	0.067231
Gm43006	-1.13075	0.014346	0.06607
Strip1	-0.35103	0.014405	0.066278
Lamtor3	-0.29723	0.0144	0.066277
Dennd6a	-0.27109	0.014362	0.066122
Cmtr1	-0.69338	0.014293	0.065885
Gm42702	-0.63833	0.014252	0.065752
Ppp1r21	-0.39012	0.014236	0.065703
Utp11	-0.24362	0.014177	0.065453
Zfp740	-0.29957	0.014137	0.065327
Zfp287	-0.58263	0.014112	0.065251
D430019H	-19.726	0.014008	0.06491
BC051226	-0.68744	0.014092	0.0652
Aldh7a1	-0.41805	0.01404	0.064991
Gm50462	-0.92403	0.013914	0.064574
Hook1	-0.44959	0.013909	0.064574
Cuedc1	-0.23252	0.013918	0.064574
Zfp213	-0.8206	0.013864	0.064425
Ckap5	-0.24486	0.013861	0.064425
Arhgap6	-0.43421	0.013862	0.064425
Oaz2	-0.20114	0.013811	0.064258
Gm48551	-0.35692	0.013738	0.063939
Utp18	-0.41463	0.01372	0.063893
Gm5069	-0.82414	0.01364	0.063578
Gm37206	-0.88667	0.013621	0.06351
Ppp3ca	-0.16798	0.013614	0.063499
Pcsk2	-3.42225	0.013436	0.062747
Syt1	-0.34488	0.013476	0.062915
Slc3a1	-19.2958	0.013344	0.062393
9430037G	-1.57583	0.013247	0.061998
Myo1e	-0.28783	0.01331	0.062256
5430420Fc	-1.77524	0.013224	0.061948
Arhgap44	-1.35187	0.01314	0.061616
Spata5	-0.63096	0.013171	0.06174
Gm15743	-19.8729	0.013036	0.061224
Epb41l2	-0.1665	0.013141	0.061616
Mdc1	-0.43852	0.013085	0.061396
Smc2	-0.54887	0.013061	0.061302
Stxbp5	-0.36476	0.013048	0.061258
Pnmal1	-1.83644	0.012943	0.06086
Gm42874	-19.9607	0.01289	0.060727

Gm45767	-0.81066	0.012963	0.060935
Acaa1a	-0.42752	0.012974	0.060971
Gm43760	-19.7174	0.01285	0.060614
Prcd	-0.26158	0.012942	0.06086
Cox7a1	-0.70375	0.012916	0.060771
Gm32618	-0.83026	0.012872	0.060678
Eif2ak2	-0.30107	0.012901	0.060757
Adora2b	-1.08032	0.012838	0.060578
Gm47615	-0.75391	0.012861	0.060648
Ttc26	-1.10657	0.012765	0.060308
Crabp1	-2.4889	0.012719	0.060129
Gm48996	-0.53736	0.012794	0.060405
Nol8	-0.41651	0.012671	0.05994
Sox13	-0.25789	0.012466	0.059043
Uba2	-0.22072	0.012456	0.059018
Jmjd1c	-0.18105	0.01245	0.059009
Ctbp2	-0.22244	0.012429	0.058924
Nat8l	-1.26535	0.012312	0.058519
Mrpl24	-0.27693	0.01238	0.05875
6330418Kl	-0.88506	0.012245	0.058237
Trmt1l	-0.38591	0.012296	0.058462
4833413G	-1.16839	0.012229	0.058199
Filip1	-0.22811	0.01224	0.058233
Kif21a	-0.39753	0.012182	0.057993
Slc4a10	-1.91455	0.012099	0.057655
Ppp2r2c	-19.6449	0.012043	0.057424
Idh3b	-0.26388	0.012118	0.057724
Carmn	-0.49406	0.012053	0.057451
Steep1	-0.31968	0.012028	0.057371
Dact1	-0.41587	0.012013	0.057336
Fam185a	-1.02936	0.011958	0.057128
Map3k7cl	-0.73842	0.011986	0.057241
Cfap69	-1.24733	0.011903	0.056902
Mthfsd	-0.65458	0.011927	0.056995
Gm26852	-20.4693	0.011753	0.056289
Cdc37	-0.19106	0.01185	0.056681
Cdc42bpb	-0.21271	0.011768	0.056325
Ncoa1	-0.24241	0.011731	0.056224
Cpne2	-0.38581	0.011718	0.056177
Zfp982	-0.72801	0.01169	0.056061
Phpt1	-0.38923	0.011671	0.056003
Gm44812	-1.81967	0.011574	0.055594
Phkb	-0.50225	0.011574	0.055594
Cep120	-0.35033	0.011525	0.055431
Vstm2a	-1.44638	0.011394	0.054889
Klhl28	-0.37135	0.011432	0.055
Zup1	-0.36355	0.011426	0.054988

Rpl17-ps10	-2.34513	0.011309	0.054617
Aldh4a1	-0.3999	0.011393	0.054889
Gm10657	-19.851	0.011292	0.054601
Prpf3	-0.48679	0.011375	0.054868
Rpgr	-0.61534	0.011311	0.054617
Gm20501	-19.5338	0.011219	0.054306
Ythdc1	-0.18513	0.011304	0.054617
4930453C	-19.3732	0.011202	0.054259
Mindy1	-0.21733	0.011294	0.054601
Zfp619	-1.03766	0.011164	0.054128
Cdc5l	-0.23653	0.011181	0.054193
Gm48677	-2.30159	0.011074	0.053814
Gm16042	-3.0277	0.011071	0.053814
Ptpn	-0.93464	0.011141	0.054073
Ddr2	-0.48171	0.011149	0.054073
Snx1	-0.30331	0.011146	0.054073
Tardbp	-0.2267	0.011145	0.054073
Gm10516	-2.37277	0.01103	0.053654
Panx2	-20.2677	0.011005	0.053616
Gm10501	-1.41021	0.011021	0.053632
Elovl4	-0.27448	0.011051	0.053739
C030013C	-0.98456	0.011022	0.053632
Mboat2	-0.61297	0.011016	0.053632
Prrc1	-0.30372	0.010981	0.053551
Gm49089	-20.4289	0.010822	0.052861
Cdc23	-0.37436	0.010893	0.053156
Tpm1	-0.16669	0.01086	0.053015
Htra1	-0.3425	0.010786	0.052727
Pex5l	-0.35072	0.010736	0.052513
Antxr1	-0.56202	0.010703	0.0524
Mlf2	-0.19361	0.010688	0.052348
Metrn	-0.42192	0.010645	0.05215
Trim44	-0.23522	0.010624	0.052086
Zdhhc14	-0.60009	0.010509	0.051568
Gm43201	-1.01273	0.010452	0.051372
Tcf24	-1.14237	0.010415	0.051226
Dock4	-0.19868	0.010465	0.051421
Usp34	-0.19041	0.010441	0.05134
Scg2	-1.27723	0.010301	0.050781
Sv2b	-0.42371	0.010297	0.050781
Gm38273	-20.3792	0.010179	0.050312
Zfp119b	-0.84519	0.010198	0.050376
Mttnr1	-0.42475	0.010209	0.050406
Fzd2	-1.1048	0.010183	0.050318
Atp5o-1	-0.17939	0.010176	0.050312
Dis3	-0.57636	0.010134	0.050126
Nbas	-0.53297	0.010119	0.050064

Gm45844	-1.33129	0.010088	0.049946
Usp48	-0.32098	0.010088	0.049946
Mark1	-0.4635	0.010076	0.049918
Angptl2	-0.54589	0.010046	0.049786
Letmd1	-0.73216	0.010013	0.049657
Drd2	-20.4113	0.009889	0.049093
Pygm	-0.52666	0.009958	0.049402
Grm8	-1.36156	0.009862	0.04902
Slc25a27	-0.47632	0.009893	0.049095
Mettl4	-0.57346	0.00988	0.049067
Bbs9	-0.53542	0.009857	0.049015
Cables2	-0.3784	0.009866	0.049026
Dzip1l	-0.67576	0.009795	0.048731
Sncb	-0.49578	0.009767	0.048646
Dcaf11	-0.35535	0.009587	0.047843
Med28	-0.22145	0.009593	0.047845
Socs7	-0.36395	0.009549	0.04767
Btbd11	-1.49567	0.009418	0.047062
Maged2	-0.34334	0.009359	0.0468
Cul2	-0.42335	0.009316	0.046618
Gm973	-1.77932	0.009171	0.046014
Cltrn	-19.6687	0.009138	0.045881
Fermt2	-0.1418	0.009218	0.046197
Specc1	-0.44366	0.009183	0.046059
Pogk	-0.38233	0.00915	0.045924
Kmt5a	-0.3443	0.009126	0.045836
Gm19265	-3.4327	0.009032	0.045457
Crebzf	-0.30671	0.009059	0.045528
Zfp367	-0.50003	0.009043	0.045493
Lrrc73	-1.11893	0.008921	0.044987
Dync2li1	-0.7322	0.008919	0.044987
Gm15799	-2.70216	0.008837	0.044667
Ccser2	-0.18565	0.008828	0.044636
Lrp1	-0.29417	0.008825	0.044635
Klhl8	-0.70205	0.008791	0.044526
H2-T24	-0.50514	0.008785	0.044526
Smc3	-0.20176	0.00879	0.044526
Tyk2	-0.55387	0.00875	0.044392
Gm37598	-0.76056	0.008719	0.04431
Upf3b	-0.25858	0.008729	0.044346
Gm26621	-0.78121	0.008696	0.044227
Gm45662	-20.2481	0.00863	0.043979
Kctd14	-1.19062	0.00861	0.043908
Prss23	-0.23102	0.008688	0.0442
Mafb	-0.63117	0.00865	0.044065
Hspa4l	-0.28923	0.008663	0.044104
Cla1	-19.852	0.008571	0.043724

Dock3	-2.4456	0.008542	0.043589
1700102P	-2.05803	0.008537	0.04358
Shd	-1.65397	0.008506	0.043464
A930009A	-20.3608	0.008475	0.043367
Dym	-0.45695	0.00848	0.043377
Slc39a9	-0.41682	0.008475	0.043367
Map9	-0.78393	0.00846	0.043333
Nrip2	-0.8412	0.008434	0.043231
Aktip	-0.3037	0.008447	0.043283
Gm37602	-20.5948	0.008345	0.042831
Mfsd4a	-0.43592	0.00841	0.04312
Tfdp2	-0.3006	0.008375	0.042954
Rpusd2	-1.64067	0.008301	0.04265
Hpd1	-20.2624	0.008274	0.042542
Elof1	-0.29502	0.008273	0.042542
Gm45041	-19.3374	0.008186	0.042191
Gm37652	-0.72761	0.008216	0.042315
Isoc1	-0.33886	0.00825	0.042446
Gucy1a2	-0.58368	0.008182	0.042185
Srp14	-0.167	0.008165	0.042108
Ndufs6	-0.19044	0.008159	0.042094
Pde6h	-0.4329	0.008137	0.042008
Gm11342	-0.92289	0.008094	0.041814
Zfp365	-0.63807	0.008113	0.041898
Gm13620	-1.78044	0.008056	0.041647
Efcab12	-3.26679	0.007992	0.041375
4732440D	-0.64033	0.008055	0.041647
Slc25a38	-0.77443	0.008038	0.041584
Srpk2	-0.23481	0.008037	0.041584
Gm37606	-0.89496	0.007983	0.041345
Gm42853	-19.8657	0.007926	0.041164
Daam1	-0.28483	0.00797	0.041305
Kifbp	-0.35632	0.00797	0.041305
Col1a2	-0.62069	0.007933	0.041185
Dhx58os	-0.94847	0.007877	0.040935
Rps6kc1	-0.66947	0.007844	0.040791
Dstyk	-0.31437	0.007829	0.04074
Rundc3a	-0.85566	0.007771	0.040491
Rnf5	-0.3868	0.007806	0.040637
Casd1	-0.32666	0.007792	0.040579
Tro	-2.15117	0.007706	0.040244
Gm37402	-20.5539	0.007699	0.04022
Fbxw11	-0.31297	0.007753	0.04043
Rb1cc1	-0.21038	0.007745	0.040405
Ift122	-0.61129	0.007649	0.040058
Cisd2	-0.27235	0.007617	0.039902
Elovl7	-0.23557	0.007604	0.039861

Epha4	-0.24931	0.007597	0.039853
Hnrnph3	-0.2317	0.007595	0.039853
Bckdhb	-0.8562	0.007528	0.039556
Pcsk1n	-0.42515	0.00753	0.039556
Rasgrf2	-0.51259	0.007524	0.039556
Cog7	-0.34182	0.007525	0.039556
Neurod1	-0.29142	0.007524	0.039556
Palld	-0.64544	0.007413	0.039046
Car5a	-0.25536	0.00742	0.039064
Cep104	-0.47308	0.00735	0.03879
Gm14251	-19.7062	0.007275	0.038449
Rnf152	-0.44205	0.007266	0.038414
Phf11d	-0.45715	0.007221	0.038203
Gm42974	-2.48928	0.007125	0.037749
Megf9	-0.46286	0.007176	0.037975
Lamp3	-19.6083	0.007094	0.037699
Psm6	-0.29103	0.007131	0.037766
Aggf1	-0.31296	0.007125	0.037749
Rab11fip1	-0.41402	0.007122	0.037749
Cpsf2	-0.37666	0.007119	0.037749
Tmcc2	-0.4749	0.007098	0.037699
Ddx39b	-0.23611	0.007092	0.037699
Slc25a3	-0.15928	0.007005	0.037275
Cped1	-0.47856	0.00696	0.037069
Fancb	-1.18044	0.006858	0.036579
Atxn7	-0.29831	0.006876	0.03665
Arhgap11a	-2.90225	0.006782	0.03625
F830115B0	-0.83889	0.006808	0.03634
Enpep	-0.48807	0.006839	0.036493
Vangl2	-0.40711	0.006794	0.036293
Plekhj1	-0.29172	0.006795	0.036293
Prdm16	-0.33029	0.006798	0.036299
Fgf13	-0.90529	0.006754	0.03614
Acin1	-0.19372	0.006781	0.03625
Arih2	-0.44427	0.006753	0.03614
Nme3	-1.63241	0.006693	0.035863
Gbp4	-0.36268	0.006714	0.035966
Atad2b	-0.32169	0.006663	0.035716
D030056L1	-0.46499	0.006662	0.035716
Lhfpl3	-0.81588	0.006608	0.035477
Gm17241	-20.5301	0.006539	0.035217
Snhg20	-0.36545	0.006596	0.035433
Gprc5c	-0.40439	0.006555	0.035258
Id2	-0.32094	0.006556	0.035258
Cdkal1	-0.44626	0.006484	0.034959
Alox12	-0.79275	0.00644	0.034773
Hipk2	-0.31975	0.006452	0.034821

Thy1	-1.52412	0.006369	0.034468
Zfp759	-1.42263	0.006307	0.034165
Bspry	-2.4668	0.0062	0.033647
Nrl	-0.22768	0.006225	0.03377
Mx2	-0.91462	0.006157	0.033447
A930016O	-2.91924	0.006076	0.033081
Dync1h1	-0.18893	0.006097	0.033168
Homer2	-1.65323	0.006027	0.03288
Hprt	-0.20844	0.006035	0.032892
ENSMUSG	-2.67282	0.005915	0.032382
Pcp2	-0.68867	0.00594	0.032479
Gbp5	-0.44497	0.005954	0.032548
Cstf2	-0.4909	0.005925	0.032422
Sccpdh	-0.48049	0.005928	0.032425
Abcc6	-0.88513	0.005888	0.032269
Nsg2	-1.37866	0.005874	0.032205
Orc2	-0.44507	0.005845	0.032067
Pus3	-0.70052	0.005827	0.031993
Gm43637	-1.2999	0.005774	0.031762
D630033O	-0.77635	0.005789	0.03182
Hpf1	-0.28448	0.005781	0.031787
Tet2	-0.34071	0.005712	0.031443
Rnf167	-0.28238	0.005711	0.031443
Kdm4b	-0.61371	0.00564	0.031126
Srrt	-0.35985	0.00565	0.031156
Hcfc1	-0.34036	0.005642	0.031126
Zfp804b	-3.02697	0.005546	0.030678
Gm48420	-1.80549	0.005547	0.030678
Dcun1d4	-0.63015	0.005578	0.030829
Gins3	-1.18345	0.005542	0.030674
Plcl1	-0.44875	0.005565	0.030768
Foxd1	-0.743	0.005536	0.030655
Abr	-0.29076	0.00548	0.030365
Gnb1l	-1.44732	0.005413	0.030073
Zc3hav1	-0.33242	0.005459	0.03027
Bptf	-0.1804	0.005419	0.030092
Gfra2	-0.52479	0.005402	0.030033
Gm48673	-1.42362	0.005347	0.029804
4930578M	-4.06363	0.005327	0.029705
Nifk	-0.41618	0.005375	0.029923
Atp2c1	-0.22418	0.00538	0.029933
Zic4	-0.64822	0.005364	0.029879
Epha10	-2.95408	0.005303	0.029579
1700030J2	-1.79195	0.005255	0.029381
Ahsa2	-0.38971	0.005272	0.029454
Fndc4	-0.73001	0.005237	0.029298
Zfp882	-0.82771	0.005182	0.029025

Scap	-0.45818	0.005161	0.02893
Cenpq	-0.97707	0.005102	0.02861
Eef1a2	-1.89332	0.005069	0.028468
Txnl4a	-0.38421	0.005089	0.028545
Arl4a	-0.14263	0.00508	0.028505
Deaf1	-0.5955	0.005069	0.028468
Gm11196	-20.4106	0.004976	0.027987
Gm12346	-0.98696	0.004975	0.027987
2210406O	-20.498	0.004917	0.027717
Gpr37	-0.6519	0.004959	0.027912
Nudt4	-0.23374	0.00493	0.027781
Gtf2ird2	-1.17381	0.004881	0.027555
Nxpe4	-0.22564	0.004894	0.027612
Clip3	-0.61642	0.004849	0.027414
Rptor	-0.5269	0.004833	0.027334
Prkd2	-0.34796	0.00474	0.026894
Spsb3	-0.52907	0.004737	0.026884
Slain2	-0.28469	0.004725	0.026833
Dgcr8	-0.52182	0.004702	0.026755
Tnpo1	-0.24606	0.004698	0.026742
Chd6	-0.24391	0.004685	0.02668
Cfap20	-0.32569	0.004672	0.026627
Bod1l	-0.21657	0.00467	0.026627
Tbck	-0.47093	0.004657	0.026569
Efemp1	-0.99471	0.004613	0.026379
5033404E:	-0.87818	0.004579	0.026197
Lclat1	-0.56569	0.004577	0.026197
A930004D	-0.86148	0.00451	0.025862
Phf8	-0.47207	0.004504	0.025839
Gm43653	-20.5766	0.004416	0.025469
Gm14239	-1.36506	0.004418	0.025469
Kcne1l	-1.23443	0.004423	0.025488
Rbpms2	-0.62224	0.004438	0.025537
Cetn3	-0.23411	0.004437	0.025537
Pdlim4	-0.8766	0.004404	0.02544
Gldc	-1.05436	0.004385	0.025355
Glcci1	-0.85897	0.004396	0.025409
Cxcr4	-1.15288	0.004362	0.025254
Limch1	-0.19946	0.004398	0.025414
Fmr1	-0.31827	0.004374	0.025316
Pdzph1	-0.46794	0.004337	0.025129
2310047D	-2.64729	0.004289	0.024909
Gm45428	-19.5537	0.004288	0.024909
Crx	-0.2875	0.004319	0.025054
Ankfy1	-0.39398	0.004285	0.024909
Ctcf	-0.21335	0.004279	0.024891
Idh3g	-0.30345	0.004237	0.024674

Heatr5a	-0.36839	0.004223	0.024621
Rhpn2	-0.5102	0.004221	0.024618
Robo2	-1.68005	0.00416	0.024308
Rwdd2b	-1.19827	0.004153	0.02429
Trem2	-3.19904	0.004104	0.024037
Glmn	-0.45194	0.004156	0.024297
Fbxo21	-0.43043	0.00414	0.02422
Ppp1r3c	-0.98104	0.004097	0.024005
Slc24a1	-0.26157	0.004108	0.024052
Mir6236	-0.19213	0.004074	0.023883
Dpp8	-0.30245	0.004054	0.023776
Emsy	-0.28876	0.003991	0.023451
Dapk2	-1.13085	0.003966	0.023334
Abcb9	-0.88491	0.003925	0.023107
Mtr	-0.50484	0.003932	0.023143
Tpgs2	-0.46657	0.003924	0.023107
Zmat4	-0.80428	0.003898	0.023002
Eif4g2	-0.14185	0.003905	0.02302
Fam118b	-0.42306	0.003901	0.023009
Gm47496	-20.817	0.003832	0.022684
Gm43667	-0.89802	0.003846	0.022756
Pibf1	-0.46853	0.003847	0.022756
Cnga1	-0.26366	0.003852	0.022777
Lsm11	-0.65234	0.003793	0.022498
Atp6v0e2	-0.38315	0.0038	0.022531
mt-Ts2	-1.1478	0.003761	0.02232
Gm43379	-1.02403	0.003752	0.022275
9130230N	-1.01322	0.003752	0.022275
Tyw3	-0.91981	0.003742	0.02226
Nek4	-0.62439	0.003752	0.022275
2610044O	-0.61805	0.003749	0.022275
Gucy2f	-0.67982	0.003738	0.022256
Col8a1	-0.69064	0.003741	0.022259
Gm9670	-20.6959	0.003691	0.022044
Dhx58	-0.97095	0.00371	0.022132
Egfl8	-0.438	0.003734	0.022236
Rgs7bp	-0.56313	0.00373	0.022233
Gfod1	-0.59952	0.003709	0.022132
D130007C	-1.68372	0.003654	0.021839
Kti12	-0.48871	0.003695	0.022057
Ndufs7	-0.22291	0.003684	0.022008
AA414768	-2.2546	0.003573	0.021409
Gm37023	-1.63521	0.003564	0.02137
Colca2	-0.84247	0.003596	0.021513
Fam161a	-0.36058	0.003588	0.021472
Lyst	-0.31637	0.003573	0.021409
Dlg4	-0.39717	0.003538	0.021246

Gm30015	-3.08752	0.003473	0.020895
Epn2	-0.22016	0.003494	0.020992
Rab11fip4	-1.07169	0.003475	0.020896
Tecpr1	-0.28772	0.003474	0.020895
Pfn2	-0.33396	0.003444	0.02076
Gm42842	-20.3907	0.003389	0.020545
Pde6a	-0.23464	0.003439	0.020737
Tbc1d9	-1.31026	0.003411	0.020625
Gm29609	-21.0929	0.003385	0.020544
Zfp40	-0.66273	0.003414	0.020625
Bhlhe22	-0.86218	0.003412	0.020625
H2bc21	-0.82521	0.003407	0.020625
Camk2d	-0.25554	0.003407	0.020625
Fgf2	-0.84149	0.003389	0.020545
C630004M	-2.02656	0.003348	0.020374
Pbrm1	-0.1959	0.003395	0.02057
Nbea	-0.31819	0.003389	0.020545
Pde4dip	-0.45244	0.003383	0.02054
Sms	-0.40384	0.003377	0.020513
Fgf9	-1.07394	0.00336	0.020441
Ndp	-2.14127	0.003292	0.020105
Ccnf	-20.3031	0.003287	0.020092
Ankrd40	-0.2724	0.003323	0.020267
Qtrt2	-0.79066	0.003304	0.020167
Zcchc7	-0.25499	0.003309	0.020185
Mien1	-0.3154	0.003293	0.020105
4921516A	-1.40589	0.003263	0.019956
Tec	-0.73944	0.003245	0.019885
Gen1	-19.7609	0.003205	0.01969
She	-0.22405	0.003249	0.019893
Gm20139	-1.1737	0.003214	0.019737
Zfp420	-0.83538	0.003221	0.019774
Bpgm	-0.433	0.003229	0.019804
Tspan7	-0.35754	0.003186	0.019585
Norad	-0.24473	0.003118	0.019224
Cdk19	-0.26603	0.003103	0.019166
Lrprrc	-0.57848	0.003086	0.019073
Myh14	-0.92793	0.003064	0.018947
Map7d2	-0.65062	0.003014	0.018661
mt-Tv	-0.85375	0.003005	0.018623
C030034I2	-0.66525	0.003004	0.018622
Aldh1l1	-1.32622	0.002979	0.018502
Lrit1	-0.65418	0.00297	0.018459
Gm47652	-2.19906	0.002932	0.018278
Hdac11	-0.87188	0.002953	0.018371
Chrdl1	-1.42312	0.002946	0.018342
Plaat3	-0.27203	0.002959	0.018395

Nol7	-0.21314	0.002951	0.018362
Speg	-0.80923	0.002921	0.018212
Prpf39	-0.32732	0.002918	0.018206
Fgf1	-0.91529	0.002894	0.018078
2700029LC	-2.25995	0.002824	0.017702
Gabpb2	-0.40233	0.002868	0.017938
Rfc3	-0.64844	0.00286	0.017901
Ddit4l	-0.51554	0.002854	0.017871
Slc19a3	-0.32853	0.002845	0.017825
Gm14391	-2.0305	0.002799	0.017584
1700012D	-0.98806	0.002806	0.017622
Gm48600	-1.16535	0.002793	0.01756
Ifih1	-0.36996	0.002817	0.017671
Nmi	-0.38622	0.002808	0.017627
Nek1	-0.57574	0.002794	0.017563
Gm48619	-19.8899	0.002742	0.017295
Lzic	-0.64698	0.002776	0.017464
Timp2	-0.4377	0.002766	0.017416
Atp1a3	-0.31079	0.002764	0.017412
Cwc15	-0.23362	0.002754	0.017358
Plk2	-0.23194	0.002742	0.017295
Cyb5b	-0.29404	0.002735	0.01727
E230020D	-0.76748	0.002723	0.017216
Pik3r1	-0.27446	0.002726	0.017218
Sh3pxd2a	-0.44006	0.002701	0.017097
Gng11	-0.14881	0.0027	0.017097
Atp1b1	-0.86485	0.002689	0.017047
Gypc	-1.01613	0.002677	0.016975
Sox2	-0.72354	0.002676	0.016975
Gm48086	-1.6824	0.002644	0.016794
Gm15903	-2.12764	0.002591	0.016526
Slc66a2	-0.32813	0.002614	0.016637
Itgb5	-0.38179	0.00261	0.016623
Gm43268	-1.71694	0.002569	0.016406
Top2b	-0.23232	0.002573	0.016423
Dusp7	-0.29915	0.00257	0.016406
Tcf15	-0.33464	0.002557	0.016347
Trnt1	-0.47913	0.002538	0.01623
Cert1	-0.19296	0.002518	0.016118
Gm36963	-1.50773	0.002482	0.01594
Kbtbd8	-1.18495	0.002476	0.015909
Gm15789	-19.3409	0.002455	0.015813
Gm37960	-1.43043	0.002469	0.015886
Map3k4	-0.36014	0.00249	0.015967
Llgl1	-0.49882	0.002486	0.015953
Gm15513	-1.13438	0.002455	0.015813
Adck1	-0.79583	0.002458	0.01582

Suv39h1	-0.73816	0.002456	0.015813
Focad	-0.81336	0.002438	0.015731
Hmgb1	-0.15649	0.002446	0.015779
Ube2l6	-0.55903	0.002429	0.015688
Magi2	-0.77357	0.002422	0.015647
Tsc1	-0.54472	0.002419	0.01564
Nipal3	-0.4829	0.002407	0.015574
Fam32a	-0.28236	0.002413	0.015605
Adcy1	-0.65769	0.002396	0.01551
Papolb	-3.11115	0.002324	0.015109
Map2	-0.40478	0.002351	0.015253
Zic3	-0.29411	0.002349	0.015248
Zfp771	-0.36054	0.002348	0.015246
Gm36527	-2.0964	0.002291	0.01491
Cog4	-0.48044	0.002296	0.014943
Ccdc134	-1.01847	0.002281	0.014865
Nomo1	-0.32866	0.002287	0.014896
Ccdc24	-0.97531	0.002268	0.014794
Tapbp1	-0.4905	0.002264	0.014773
Pus1	-0.80826	0.002254	0.014716
Snapc5	-0.31855	0.00225	0.014695
Mir124-2h	-0.27122	0.002249	0.014695
mt-Tn	-1.13388	0.00222	0.014525
Gm44136	-3.02447	0.002178	0.014278
Mtf1	-0.46301	0.002195	0.014367
Arhgap10	-0.46205	0.002193	0.014366
Adar	-0.4341	0.002166	0.014205
Gm48602	-0.60548	0.002157	0.014156
Gm33843	-20.6222	0.002119	0.013914
2700033N	-1.39621	0.002118	0.013914
Efna5	-1.7374	0.002097	0.013809
Krit1	-0.28906	0.002077	0.013691
Nudc	-0.2483	0.002069	0.013646
Smarcc1	-0.40671	0.002058	0.013589
Scube3	-20.2439	0.002016	0.013339
Gpx4	-0.16852	0.002015	0.013339
Aass	-1.91169	0.001981	0.013135
Tubgcp5	-0.49753	0.001997	0.013227
Pelp1	-0.52765	0.001976	0.013108
Tbx1	-0.28159	0.001953	0.012959
4930405A	-2.75331	0.001907	0.012698
Ckmt1	-0.74343	0.00193	0.012831
Tkt	-0.324	0.001927	0.012819
Gm48700	-21.0302	0.001892	0.012615
Gm38253	-1.96116	0.001894	0.012619
Smchd1	-0.26897	0.00191	0.012706
Ppp1r9a	-0.66781	0.00189	0.012605

Cd300lf	-19.9657	0.001863	0.012442
Zfp715	-0.54139	0.001849	0.01236
Tle4	-0.34156	0.001842	0.01232
Klhl20	-0.50266	0.001829	0.012255
mt-Tr	-1.45047	0.00178	0.011963
Gm3728	-1.8189	0.001757	0.011835
A630072M	-0.60193	0.001776	0.011939
Tbc1d30	-0.84379	0.001761	0.011848
Cfap36	-0.37428	0.001759	0.011841
Dyrk1a	-0.41743	0.001751	0.011802
Pdxdp	-1.41268	0.001729	0.011675
Ndst3	-0.78083	0.001731	0.011675
Frmd6	-0.42851	0.001731	0.011675
Gm10638	-0.96409	0.001726	0.011669
Gpr21	-1.49434	0.001697	0.011495
Ttbk2	-0.46797	0.001706	0.011546
Zfp451	-0.38461	0.001688	0.011437
Gm16259	-2.3266	0.001651	0.011218
Rrad	-0.83569	0.001676	0.01137
Nmnat2	-1.75329	0.001627	0.011101
Parg	-0.47821	0.001646	0.011186
Bmi1	-0.40473	0.001643	0.011182
Cct3	-0.28456	0.001642	0.01118
H2aw	-0.35387	0.001595	0.010905
Dcun1d2	-0.67752	0.001588	0.010858
Gm44283	-1.01472	0.001562	0.0107
Gpm6b	-0.38377	0.00158	0.010814
Gpr22	-20.924	0.001525	0.010494
Rab3gap2	-0.53845	0.001549	0.010631
Nrd1	-0.26351	0.001545	0.010607
Gm30340	-20.5687	0.001506	0.010398
S1pr3	-0.41832	0.001535	0.010548
Ccnt2	-0.36075	0.001533	0.010535
Usp13	-20.2907	0.001497	0.010345
Krt1	-1.25161	0.001512	0.010429
Trmt13	-0.49421	0.001513	0.010431
Tnrc6b	-0.22445	0.001515	0.010439
Rogdi	-0.54655	0.001501	0.010366
Cd63	-0.30344	0.001495	0.010333
F8	-1.85113	0.001468	0.010174
Slc30a10	-0.5991	0.001488	0.010291
Pid1	-0.40288	0.001484	0.010274
Nup188	-0.67639	0.001466	0.010168
Mob1b	-0.40684	0.001465	0.010168
Vcl	-0.27155	0.001456	0.010128
Ric3	-0.93111	0.001438	0.010016
Utp20	-0.86453	0.001441	0.010033

Cep350	-0.32356	0.001443	0.010047
Zfp950	-0.35927	0.00142	0.009919
Zfp503	-0.5989	0.001414	0.009887
Zfp85	-1.14893	0.0014	0.009802
Trim8	-0.32855	0.001415	0.009888
Ank	-0.5184	0.001406	0.009834
Vac14	-0.74373	0.0014	0.009802
Phactr4	-0.2836	0.001399	0.0098
Timm8a1	-0.75132	0.001385	0.00972
Gm10785	-20.4653	0.001362	0.009582
Fbxo2	-0.52694	0.001358	0.009557
Erlin1	-0.71845	0.00134	0.009452
Klhl23	-0.48532	0.001341	0.009456
Dmxl1	-0.33933	0.001343	0.009463
Dars	-0.43396	0.001334	0.009414
Zfp760	-0.65922	0.001319	0.009327
Sqle	-0.90808	0.001311	0.009273
Tff2	-2.42464	0.001283	0.009115
Pmf1	-0.89146	0.001294	0.009163
Gm43896	-21.3167	0.001262	0.008992
Gm42725	-20.2748	0.001258	0.008966
Igfbp5	-0.95719	0.001281	0.009105
Gm38115	-0.98692	0.001263	0.008992
Susd4	-1.70677	0.001265	0.008999
Gm7160	-1.16153	0.001247	0.008893
Col5a2	-0.98203	0.001241	0.008872
Slc17a7	-0.32227	0.001246	0.008891
Rapgef4	-0.30652	0.001214	0.008698
Parp12	-0.42892	0.001203	0.008623
Gm10030	-1.07264	0.001184	0.008508
Ankrd13c	-0.46269	0.001192	0.008554
N4bp2os	-0.93085	0.001182	0.008496
Kcnb1	-0.26465	0.001185	0.008512
Kank4	-0.60661	0.001181	0.008496
Pprc1	-0.87788	0.001172	0.008445
Gm19409	-1.47643	0.001163	0.008394
Hs3st1	-0.80525	0.001166	0.008404
Opn1mw	-0.62292	0.001163	0.008394
Rnf20	-0.37552	0.001164	0.008394
Miga2	-0.71777	0.001157	0.008358
Slmap	-0.30706	0.001147	0.0083
Hp1bp3	-0.24273	0.00114	0.008265
Arhgap39	-1.01266	0.001129	0.008191
Gnb3	-0.61539	0.001125	0.008169
Lrig1	-0.68336	0.001119	0.008136
Msx1	-0.68882	0.001115	0.008121
6530402F	-1.05685	0.001107	0.008074

Pcmt2	-0.27581	0.001116	0.008121
Fam118a	-0.48651	0.001113	0.008111
Mamdc2	-1.42006	0.001101	0.008045
Fam122a	-0.40895	0.001108	0.008076
mt-Th	-2.35088	0.001076	0.007885
A830082K	-0.90069	0.001069	0.007836
Stip1	-0.41212	0.001069	0.007837
Gm13889	-0.46175	0.001059	0.007774
3000002C	-2.51802	0.001032	0.007614
Rnls	-4.23266	0.001029	0.007596
Kif3b	-0.46438	0.001041	0.00766
Rpp14	-0.56708	0.001038	0.007653
Tmsb15l	-21.2223	0.001015	0.007519
Ccdc171	-2.12588	0.001018	0.007535
Uaca	-0.23899	0.001029	0.007596
Flt3l	-0.59054	0.001021	0.007551
Cfap410	-0.83413	0.001007	0.00746
Sptbn1	-0.11035	0.001008	0.007471
Pcdh19	-0.39362	0.000994	0.007371
Orc5	-0.75684	0.000979	0.007268
Tprgl	-0.23675	0.00097	0.007203
Wdr35	-1.08941	0.000944	0.007026
P2ry14	-0.4023	0.000952	0.007076
Inpp1	-0.46045	0.000941	0.007005
Cfdp1	-0.30081	0.00093	0.006928
Prpsap2	-0.6383	0.000919	0.006863
Dmd	-0.31133	0.000909	0.006791
Crym	-0.46	0.000905	0.006767
Ndufa13	-0.2021	0.000904	0.006767
Lrtm1	-1.57739	0.00088	0.006601
Rgl2	-0.42311	0.000874	0.006561
Pard3b	-0.5288	0.000874	0.006561
Aldoc	-0.3814	0.000869	0.006539
Cntn1	-0.69921	0.000862	0.006486
Ppp1r12a	-0.23516	0.000825	0.00624
Alg11	-0.66091	0.000816	0.006175
Irf6	-1.35399	0.000804	0.006101
Gm44667	-0.71935	0.000798	0.006062
Snx12	-0.52013	0.000798	0.006062
Cavin2	-0.18019	0.000794	0.00604
Kat6b	-0.36408	0.000791	0.006022
1700029JC	-1.02911	0.000771	0.005889
Ddx5	-0.12553	0.000766	0.005858
Figl1	-20.4694	0.000744	0.00571
Gm48226	-0.50985	0.000761	0.005826
Aldoa	-0.15507	0.000762	0.005826
Ylpm1	-0.34883	0.000739	0.005676

Rnpc3	-0.47454	0.000734	0.005642
Cdca3	-20.0417	0.000712	0.00548
Gm42449	-0.77179	0.000724	0.005567
Cfap206	-21.2889	0.000706	0.005438
Col11a2	-2.74256	0.000696	0.005371
Vmn1r4	-20.0932	0.000694	0.00536
Polg	-0.44603	0.0007	0.005403
Gm47512	-2.11906	0.000681	0.005276
Lrit3	-2.47474	0.000676	0.005245
Sbspon	-0.915	0.000687	0.005314
Gm1673	-0.73194	0.000688	0.005319
Myom1	-0.98761	0.000674	0.005232
Prpf4b	-0.24397	0.000683	0.005288
G730003C	-1.38687	0.000666	0.005177
Zfp964	-1.33514	0.000665	0.005171
Kiz	-0.70879	0.000664	0.005163
Zfp329	-0.41241	0.000662	0.005154
Ppan	-0.74276	0.000649	0.005059
Zfp651	-0.66401	0.000647	0.005039
Gm16638	-1.44451	0.00064	0.004999
Plce1	-0.41778	0.000646	0.005038
Fat4	-0.47885	0.000641	0.005004
Col26a1	-3.19335	0.000616	0.00484
Mrps30	-0.58456	0.000629	0.00492
Mmut	-0.50601	0.000628	0.004916
Mtss1	-0.3272	0.00063	0.004925
Pde8b	-0.40506	0.000627	0.004911
Hmgcll1	-20.6514	0.000611	0.004802
Gprasp1	-0.53449	0.000623	0.00488
Gm30541	-2.22404	0.000602	0.004747
Aven	-0.83266	0.000608	0.004782
Foxn3	-0.26367	0.000608	0.004782
Pvalb	-20.5476	0.000588	0.004646
Gm33366	-3.25928	0.000585	0.004626
Dctn1	-0.30517	0.000596	0.004699
Ceacam1	-0.33628	0.000595	0.004697
Gnb1	-0.13556	0.000592	0.004669
Lrig2	-0.60624	0.000586	0.004636
Aipl1	-0.3612	0.000583	0.004615
Wdr5b	-1.10958	0.000575	0.004559
Hirip3	-0.62717	0.000572	0.004535
Epha5	-0.85635	0.000556	0.004423
Cdc42se1	-0.39038	0.000557	0.004428
Gm43480	-3.57846	0.000538	0.004287
Oasl1	-1.1226	0.000544	0.004333
2610017A	-20.9123	0.000522	0.004167
Gm38302	-3.7713	0.000504	0.004039

Rbm34	-0.51626	0.00051	0.00408
Map7d1	-0.28219	0.000511	0.004083
Hic1	-0.5078	0.000508	0.004069
Gm20492	-1.87472	0.000488	0.003925
Csk	-0.41854	0.000492	0.003953
Ddx60	-0.69751	0.000478	0.003853
Ctr9	-0.43333	0.000478	0.003848
Creb5	-1.43007	0.000466	0.003771
Dpy19l1	-0.42005	0.000471	0.003798
4930572G	-20.7002	0.000457	0.003709
Rbp3	-0.27243	0.000469	0.003789
Arhgap1	-0.44759	0.000466	0.003769
Dkc1	-0.45542	0.000463	0.003747
Igf2	-20.5967	0.000443	0.00361
Atp2a3	-0.52703	0.000455	0.003691
Psd3	-0.45388	0.00045	0.003657
Ints8	-0.64145	0.000447	0.00364
Foxc1	-0.24387	0.00045	0.003657
Rbm26	-0.3787	0.000438	0.003567
Neo1	-0.5333	0.000426	0.003481
Adcy5	-0.92091	0.000424	0.003467
Nat8f1	-0.67036	0.000417	0.003415
Hspa2	-0.4749	0.000415	0.003399
Gm28151	-1.22855	0.000404	0.003318
Sc1t1	-0.56417	0.000402	0.003308
Gm45509	-1.54849	0.000393	0.003242
Tns3	-0.40074	0.000399	0.003286
Tmem184i	-0.76537	0.000394	0.00325
Sox9	-0.74462	0.000397	0.003266
Acyp2	-0.50648	0.000396	0.003261
Fubp1	-0.26724	0.000393	0.003242
Mllt6	-0.31462	0.000388	0.003208
Msl3	-0.53691	0.000372	0.003082
Hnrnpu	-0.20328	0.000373	0.003093
Fhl1	-0.85144	0.000367	0.00305
Gm48063	-20.8569	0.000357	0.002973
Rp1	-0.25953	0.000359	0.002988
Kcnq1ot1	-0.40268	0.000357	0.002973
Pls3	-0.24179	0.000355	0.002956
Gm47543	-0.80383	0.000349	0.002919
Ddx46	-0.33428	0.000351	0.002932
Gm15728	-21.37	0.00034	0.00285
Ap3s1	-0.30043	0.00035	0.002922
Brpf3	-0.85756	0.000337	0.002821
Gm12216	-0.91519	0.000337	0.002821
Ribc2	-20.7495	0.000328	0.002762
Fzd3	-0.72151	0.000334	0.002807

Wnt5b	-1.07381	0.000327	0.002753
Gm9725	-20.1209	0.000318	0.002686
Mtag2	-20.4248	0.000315	0.002667
Cald1	-0.25295	0.000319	0.002695
Abca9	-0.93351	0.000316	0.002675
Cys1	-1.00972	0.000316	0.002671
Kctd10	-0.29091	0.000316	0.002671
Gm43005	-1.91306	0.000305	0.002589
Gucy1a1	-0.43015	0.000306	0.002597
Gm10549	-20.9105	0.000291	0.00248
Tnk2	-0.44395	0.000299	0.002537
Enpp1	-1.36526	0.000292	0.002481
Prkn	-2.11625	0.000287	0.002449
Stat2	-0.43822	0.000293	0.002487
Smurf2	-0.37271	0.000289	0.002459
Otx2os1	-1.50992	0.000282	0.002408
Six3	-0.70834	0.000286	0.002438
Raph1	-0.36802	0.000282	0.002413
AU020206	-0.66103	0.000275	0.002355
F730043M	-1.86407	0.000271	0.002326
Ciz1	-0.50232	0.000272	0.00233
Mettl3	-0.74692	0.000271	0.002323
Ttc14	-0.29879	0.000272	0.00233
Anapc13	-0.32947	0.000272	0.00233
Rasl12	-0.66846	0.00027	0.002323
Gm45132	-2.39857	0.00026	0.002243
Dnaaf8	-21.3129	0.000257	0.002223
Espn	-0.54767	0.000265	0.002277
Rnd2	-0.48021	0.00026	0.002243
Pkd1	-0.36188	0.00026	0.002241
Atmin	-0.68884	0.000254	0.002198
Slco3a1	-0.50248	0.000255	0.002209
Sparcl1	-0.15342	0.000256	0.002216
Gcn1	-0.45875	0.000251	0.002182
Ephb1	-1.15738	0.000248	0.002159
Dse	-1.24566	0.000248	0.002159
Mfhas1	-0.30621	0.000238	0.002079
Prkar2b	-0.56124	0.000237	0.002077
Elf1	-0.3412	0.000237	0.002077
Atp2b2	-1.99787	0.000225	0.001975
mt-Te	-1.89503	0.000223	0.001963
Slc16a12	-0.77515	0.000226	0.001987
Tdrd7	-0.44644	0.000224	0.001975
Tma7	-0.18808	0.00022	0.001941
Tpcn1	-0.44249	0.000215	0.001899
Pank1	-0.88925	0.000213	0.001882
Arl2bp	-0.27017	0.000211	0.001866

Apba1	-1.12519	0.000208	0.001843
Gap43	-1.0932	0.000203	0.001809
BC022960	-21.1211	0.000198	0.001774
Cited4	-1.01849	0.000203	0.001812
Fmnl3	-0.34524	0.000204	0.001818
Gm42992	-1.06589	0.000201	0.001792
Smc6	-0.32177	0.000198	0.001775
Cgnl1	-0.22958	0.000197	0.001766
Ndn	-0.73588	0.000191	0.00172
Efr3b	-0.28118	0.000193	0.00173
Uqcc2	-0.26743	0.000188	0.001693
Tuba1b	-0.25086	0.000188	0.001691
Etohd2	-1.67784	0.000181	0.001634
Ninl	-2.14644	0.000178	0.001609
Vezf1	-0.27522	0.000184	0.00166
Acsl5	-0.42714	0.000181	0.001639
Plekhg1	-0.40092	0.000179	0.001622
Rps19-ps6	-2.66302	0.000172	0.001566
Taf1	-0.40712	0.000178	0.001609
Rev3l	-0.52691	0.000176	0.001601
BC065397	-1.79438	0.000175	0.001592
C1qtnf7	-1.15087	0.000175	0.001591
Kmt2a	-0.2586	0.000175	0.001593
Mdh1	-0.31375	0.000171	0.00156
Coq7	-0.60935	0.000169	0.001546
BC055324	-2.55139	0.000161	0.00148
Plxdc2	-0.44939	0.000166	0.001517
Anp32e	-0.30186	0.000162	0.001486
Cth	-2.63622	0.000153	0.001414
Hspd1	-0.33778	0.000159	0.00146
Crebbp	-0.27339	0.000159	0.001461
Mab21l1	-0.69018	0.000157	0.001443
Npy1r	-1.32871	0.000156	0.001433
Stard10	-0.58116	0.000157	0.001446
Prrc2b	-0.26253	0.000157	0.001446
Erg28	-0.56795	0.000156	0.001433
Csrp3	-21.4835	0.000148	0.001372
Trim34a	-0.63312	0.00015	0.00139
Tub	-0.5945	0.000148	0.001371
Proser2	-0.52275	0.000149	0.001376
Cd320	-0.36905	0.000148	0.001371
Itpkb	-0.28697	0.000148	0.001371
Slc8a1	-1.29639	0.000144	0.001336
Gm44552	-21.2473	0.000138	0.001289
Kansl1l	-0.5352	0.000142	0.001319
Gcat	-1.41516	0.000139	0.001292
Gpr155	-0.74359	0.00014	0.001302

Serinc4	-1.05576	0.000138	0.001288
Gm43585	-2.51313	0.000134	0.001257
Cacna2d1	-0.73838	0.000136	0.001271
Cul4a	-0.48079	0.000133	0.001248
C130071C1	-1.11868	0.000127	0.001196
Pop5	-0.29229	0.000127	0.001196
Gm47525	-20.7901	0.000119	0.001129
Gm48314	-2.71086	0.000115	0.001092
Hmgcs1	-0.47738	0.000117	0.001113
Flna	-0.35435	0.000114	0.00109
Gbp2	-0.50985	0.000114	0.00109
Rrnad1	-0.70303	0.000113	0.001077
Septin7	-0.22175	0.00011	0.001047
Nfix	-0.32424	0.00011	0.001047
Gm26660	-1.39753	0.000107	0.001023
B9d1	-0.95559	0.000107	0.001028
Bmp5	-0.83607	0.000108	0.001036
Shank1	-2.06753	0.000101	0.00097
Thoc2	-0.29854	0.000104	0.001002
Rph3a	-2.62986	9.79E-05	0.000945
AW047730	-1.1777	9.59E-05	0.000928
Eif1b	-0.31192	9.71E-05	0.000939
17000480	-1.938	9.31E-05	0.000903
Sipa1l2	-0.50826	9.58E-05	0.000928
Odad3	-20.5316	9.05E-05	0.000881
Lrp8os3	-21.0289	9.00E-05	0.000876
Polr2e	-0.29044	9.10E-05	0.000884
Edn3	-0.64736	9.08E-05	0.000883
Gm26631	-2.24995	8.62E-05	0.000842
Tagln3	-1.23794	8.70E-05	0.000849
Gm50055	-1.97588	8.26E-05	0.000809
Grip2	-1.75801	8.21E-05	0.000806
Pnn	-0.30917	8.43E-05	0.000825
Gm49970	-1.97928	7.96E-05	0.000784
Gm47558	-5.07604	7.84E-05	0.000773
Dusp16	-0.66261	8.02E-05	0.000789
Kmt2c	-0.30346	8.04E-05	0.000791
Cdh2	-0.45415	8.00E-05	0.000787
Serinc5	-0.56147	7.60E-05	0.000752
Zic1	-0.5695	7.56E-05	0.000749
Oxct1	-0.49453	7.57E-05	0.000749
Ptprd	-0.88127	7.42E-05	0.000737
Ncf2	-0.93419	7.36E-05	0.000731
Skida1	-0.95273	7.19E-05	0.000715
Zbtb37	-0.58453	7.07E-05	0.000705
Calm3	-0.28013	7.12E-05	0.00071
Lhfp	-0.4601	6.96E-05	0.000694

Thbs2	-1.16121	6.80E-05	0.000681
Cpeb4	-0.41151	6.84E-05	0.000685
Bche	-1.6776	6.65E-05	0.000667
4930534H	-21.015	6.43E-05	0.000645
Bicd1	-1.43126	6.50E-05	0.000653
Gpr153	-0.86665	6.36E-05	0.00064
Moxd1	-20.7196	6.10E-05	0.000615
Tcf7	-0.45837	6.24E-05	0.000628
Fdps	-0.6424	6.22E-05	0.000626
Nos3	-0.32897	6.10E-05	0.000615
6330403Kl	-0.37605	6.04E-05	0.00061
Katnal2	-4.29498	5.60E-05	0.000568
Rin2	-0.43444	5.86E-05	0.000593
Lama3	-1.41901	5.76E-05	0.000582
Tsypyl4	-0.77646	5.76E-05	0.000582
Slc7a2	-1.20416	5.66E-05	0.000574
Cpxm1	-2.73365	5.44E-05	0.000553
Higd1b	-0.39869	5.71E-05	0.000578
Gm5176	-3.45775	5.37E-05	0.000547
Ppp2r5a	-0.30203	5.58E-05	0.000566
Pdgfrb	-0.40448	5.53E-05	0.000562
Gm2238	-2.23844	5.24E-05	0.000536
Wasf3	-0.53891	5.46E-05	0.000556
Ncald	-0.60855	5.42E-05	0.000552
0610009L1	-1.06388	4.81E-05	0.000494
Ache	-2.00092	4.63E-05	0.000477
Amotl1	-0.30889	4.73E-05	0.000487
Tsga10	-1.07342	4.61E-05	0.000475
Upf2	-0.40833	4.62E-05	0.000476
mt-Nd3	-2.43618	4.34E-05	0.000449
Max	-0.3456	4.30E-05	0.000445
Cd40	-0.80619	4.24E-05	0.000439
Tet1	-1.01563	4.22E-05	0.000437
Gmeb1	-0.73074	4.13E-05	0.000429
Myh10	-0.48306	4.10E-05	0.000427
Map3k13	-1.88764	3.91E-05	0.000408
Smarca2	-0.29965	3.89E-05	0.000406
Ncbp2	-0.61342	3.84E-05	0.000401
Ogt	-0.31724	3.83E-05	0.000401
Axin2	-0.46766	3.80E-05	0.000397
Sh3d19	-0.71436	3.74E-05	0.000392
P4ha1	-0.49522	3.71E-05	0.00039
Gm37589	-1.48053	3.56E-05	0.000375
Plekkg5	-0.44172	3.51E-05	0.00037
Clec16a	-1.06168	3.41E-05	0.00036
E130307A	-1.27823	3.39E-05	0.000359
Slc24a3	-1.3027	3.40E-05	0.000359

Golim4	-0.25248	3.37E-05	0.000357
Tmem191	-0.97496	3.27E-05	0.000348
Arhgef2	-0.33552	3.28E-05	0.000348
Gper1	-0.56201	3.20E-05	0.00034
Slx4	-1.16028	3.12E-05	0.000333
Gm42548	-1.75721	3.05E-05	0.000326
Map3k20	-0.32709	3.12E-05	0.000333
Gm9946	-0.8989	3.02E-05	0.000324
Pde4d	-0.59402	3.04E-05	0.000325
Amd1	-0.48357	3.05E-05	0.000326
Tprkb	-0.52218	3.03E-05	0.000324
Atp6v0a1	-0.46372	3.03E-05	0.000324
2610035D	-1.30588	2.90E-05	0.000313
Fhl2	-0.89833	2.96E-05	0.000319
Gipc3	-0.68462	2.86E-05	0.000309
Serp2	-0.76335	2.81E-05	0.000304
Vstm4	-0.63945	2.75E-05	0.000298
Traip	-3.23179	2.56E-05	0.000278
Pigg	-1.0277	2.64E-05	0.000286
Rbm5	-0.30723	2.64E-05	0.000286
Agap1	-0.44273	2.63E-05	0.000285
Eif3j2	-2.30772	2.20E-05	0.000242
Tppp3	-0.79752	2.28E-05	0.00025
Gfm2	-0.97479	2.18E-05	0.00024
Gm20634	-2.54051	2.09E-05	0.000231
Sipa1	-0.3826	2.20E-05	0.000242
Agfg1	-0.3093	2.17E-05	0.000239
Slc6a6	-0.23532	2.10E-05	0.000232
Trim56	-0.40811	1.98E-05	0.00022
Krt10	-0.8813	1.94E-05	0.000215
Trhde	-21.4123	1.82E-05	0.000203
Gm45809	-2.43565	1.79E-05	0.0002
Grk1	-0.46335	1.85E-05	0.000206
Gstm7	-0.78586	1.78E-05	0.000199
Shisal2b	-0.9228	1.74E-05	0.000194
Zeb2	-0.47617	1.76E-05	0.000196
Homer1	-1.13612	1.70E-05	0.00019
Psmb10	-0.37859	1.73E-05	0.000193
Lhx2	-0.72859	1.62E-05	0.000183
Ap5z1	-1.60983	1.51E-05	0.000171
Agtpbp1	-0.54331	1.54E-05	0.000174
Tiam1	-0.38175	1.53E-05	0.000173
Asb2	-2.03005	1.46E-05	0.000166
Wdr18	-0.74944	1.48E-05	0.000168
Nadk2	-0.67372	1.44E-05	0.000164
Cspg4	-0.50891	1.45E-05	0.000165
Phf20l1	-0.37082	1.44E-05	0.000164

Gm42979	-1.65428	1.22E-05	0.000141
Tjp2	-0.55546	1.27E-05	0.000146
Gm25541	-20.8573	1.18E-05	0.000138
Gm42716	-1.11653	1.19E-05	0.000138
Ddx17	-0.2965	1.20E-05	0.000139
Son	-0.19241	1.19E-05	0.000138
mt-Tc	-1.17813	1.13E-05	0.000132
Inka1	-0.54872	1.11E-05	0.00013
Gab1	-0.51048	1.09E-05	0.000128
Mrln	-3.52718	9.88E-06	0.000117
Fam210a	-0.90531	1.04E-05	0.000121
Fbxl3	-0.41248	1.05E-05	0.000123
Idi1	-0.83179	1.04E-05	0.000121
Gnpat	-0.72375	1.03E-05	0.000121
Ppef2	-1.13041	9.98E-06	0.000117
Nr2f1	-0.56313	1.00E-05	0.000118
Khdrbs3	-0.56038	9.89E-06	0.000117
Ankrd29	-1.23169	9.39E-06	0.000111
Rem1	-0.88437	9.46E-06	0.000112
Tdrp	-0.3931	8.07E-06	9.64E-05
Rcvrn	-0.31712	7.79E-06	9.34E-05
Faim	-0.38645	7.46E-06	8.96E-05
Mir99ahg	-0.74454	7.34E-06	8.84E-05
Hnrnpr	-0.34132	7.13E-06	8.61E-05
Ogfr	-0.64035	6.82E-06	8.26E-05
Ppp3cb	-0.4619	6.83E-06	8.27E-05
Gm44936	-1.36954	6.23E-06	7.59E-05
Gm43581	-0.78131	6.43E-06	7.79E-05
Rbms3	-0.77038	6.43E-06	7.79E-05
Gm47283	-0.57019	6.38E-06	7.74E-05
Shtn1	-1.84593	5.97E-06	7.28E-05
Trim65	-0.74454	6.24E-06	7.59E-05
Stk10	-0.7576	5.89E-06	7.20E-05
Ttc3	-0.36723	5.89E-06	7.19E-05
Tmem35a	-1.77638	5.49E-06	6.74E-05
Notch4	-0.44896	5.66E-06	6.94E-05
Irak1bp1	-0.97452	5.42E-06	6.67E-05
Dpp4	-1.52719	5.22E-06	6.45E-05
Kcnmb1	-1.03455	5.25E-06	6.48E-05
Cfap54	-3.08678	4.96E-06	6.17E-05
Cyp51	-0.90277	5.10E-06	6.33E-05
Irgm1	-0.6375	5.15E-06	6.37E-05
Kif5b	-0.23723	5.14E-06	6.36E-05
Tmem208	-0.49216	4.96E-06	6.17E-05
Efnb2	-0.51707	4.56E-06	5.69E-05
Map3k1	-0.40824	4.53E-06	5.66E-05
Mvk	-0.93357	4.34E-06	5.43E-05

Immt	-0.42461	4.42E-06	5.53E-05
Prph2	-0.29377	4.15E-06	5.21E-05
Scd2	-0.47459	3.83E-06	4.82E-05
Lef1	-0.26358	3.79E-06	4.78E-05
Rgs5	-0.35591	3.79E-06	4.77E-05
Plekhb1	-0.46554	3.67E-06	4.62E-05
5031425E	-0.50534	3.61E-06	4.56E-05
Eps8l2	-0.85694	3.47E-06	4.41E-05
Ldlrad3	-0.43888	3.32E-06	4.23E-05
Rgs4	-0.55078	3.29E-06	4.19E-05
Trim12c	-0.70452	3.22E-06	4.12E-05
Tmem97	-1.08856	3.13E-06	4.01E-05
Rnf213	-0.53181	3.09E-06	3.96E-05
Runx1t1	-0.88826	3.08E-06	3.95E-05
Faxc	-22.013	2.63E-06	3.41E-05
Cdk5rap2	-0.90726	2.64E-06	3.42E-05
Usp18	-0.84318	2.66E-06	3.44E-05
Slc9a3r2	-0.25543	2.60E-06	3.39E-05
Frzb	-1.43569	2.38E-06	3.12E-05
Gm49980	-1.54437	2.36E-06	3.09E-05
Rnaset2b	-0.86353	2.19E-06	2.89E-05
Osbpl1a	-0.37126	2.19E-06	2.89E-05
Lgr5	-3.77052	1.99E-06	2.64E-05
Gm37033	-0.52172	2.12E-06	2.80E-05
Atp2b1	-0.32255	2.13E-06	2.81E-05
Trim25	-0.52601	2.08E-06	2.76E-05
Gbe1	-0.58607	2.07E-06	2.75E-05
mt-Td	-2.32572	1.88E-06	2.50E-05
Zic2	-0.54482	1.88E-06	2.50E-05
Adamts1	-1.31426	1.70E-06	2.27E-05
Clmn	-1.47186	1.61E-06	2.16E-05
Kcnv2	-0.7391	1.50E-06	2.02E-05
Cdk15	-2.43335	1.40E-06	1.89E-05
Rgs9bp	-0.537	1.48E-06	1.99E-05
Flrt2	-0.88102	1.46E-06	1.97E-05
Hnrnpm	-0.34855	1.42E-06	1.93E-05
Hspa9	-0.44804	1.41E-06	1.91E-05
Fxyd1	-0.51704	1.40E-06	1.90E-05
Nr3c1	-0.31372	1.29E-06	1.76E-05
Ets1	-0.26851	1.26E-06	1.72E-05
Ifit3b	-0.96631	1.20E-06	1.64E-05
Myl6	-0.18256	1.21E-06	1.65E-05
Stat1	-0.55241	1.19E-06	1.63E-05
Tspan13	-0.3485	1.20E-06	1.64E-05
Ivns1abp	-0.53112	1.17E-06	1.61E-05
Ushbp1	-0.40091	1.18E-06	1.62E-05
Nfat5	-0.33624	1.17E-06	1.61E-05

Ndrp2	-0.48736	1.13E-06	1.56E-05
Pdlim3	-1.02189	1.08E-06	1.50E-05
Ocln	-0.34588	1.10E-06	1.52E-05
Syne2	-0.38859	1.02E-06	1.42E-05
Rbp1	-0.72056	9.81E-07	1.37E-05
Smadcb1	-0.60737	9.35E-07	1.30E-05
Ulk4	-1.08127	8.20E-07	1.15E-05
Samd9l	-0.49901	8.37E-07	1.18E-05
Gm38336	-22.0113	7.15E-07	1.01E-05
Cxcl12	-0.33752	7.78E-07	1.10E-05
Rom1	-0.30625	6.62E-07	9.42E-06
Plk4	-1.71629	5.92E-07	8.48E-06
St13	-0.37454	6.29E-07	8.96E-06
Fam151b	-2.93387	5.55E-07	7.96E-06
Cox4i2	-0.47299	6.12E-07	8.75E-06
C030015A	-3.09739	5.32E-07	7.66E-06
Clstn1	-0.32928	5.33E-07	7.66E-06
Rs1	-0.47213	4.66E-07	6.76E-06
C130074G	-0.40309	4.62E-07	6.71E-06
Leo1	-0.83729	4.07E-07	5.98E-06
Fcgrt	-0.32033	4.11E-07	6.02E-06
Kmt5b	-0.47977	4.06E-07	5.97E-06
Tpm2	-0.63553	3.94E-07	5.79E-06
Epc2	-0.58861	3.87E-07	5.72E-06
S100a4	-1.4522	3.63E-07	5.39E-06
Plcd4	-21.487	3.32E-07	4.96E-06
Irag1	-0.81534	3.59E-07	5.34E-06
Rassf3	-0.38081	3.66E-07	5.43E-06
Gm40477	-3.31153	3.19E-07	4.78E-06
Msmo1	-0.80104	3.54E-07	5.27E-06
Grm7	-4.07434	3.02E-07	4.54E-06
E130218I0	-0.60195	3.37E-07	5.02E-06
Chordc1	-0.57231	3.25E-07	4.86E-06
Nuak1	-0.89834	3.12E-07	4.69E-06
Vwa3a	-2.11339	2.95E-07	4.44E-06
Itprid2	-0.41	2.80E-07	4.22E-06
Tnfrsf25	-1.60272	2.26E-07	3.45E-06
Pnpla6	-0.64428	2.38E-07	3.62E-06
Ap1ar	-0.70841	2.33E-07	3.56E-06
Cdkn2b	-0.96726	2.08E-07	3.19E-06
Abca8a	-0.89924	2.03E-07	3.12E-06
Pdgfb	-0.32206	1.95E-07	3.01E-06
Zfp469	-21.1245	1.66E-07	2.57E-06
Adamtsl2	-1.87953	1.62E-07	2.52E-06
Epc1	-0.56401	1.67E-07	2.59E-06
Fbln2	-0.99944	1.63E-07	2.53E-06
Fam169a	-0.50381	1.59E-07	2.48E-06

Luc7l3	-0.38841	1.40E-07	2.19E-06
Kcna2	-2.75976	1.17E-07	1.85E-06
Rapgef2	-0.43599	1.30E-07	2.05E-06
Zbtb20	-0.26964	1.29E-07	2.03E-06
Ubtf	-0.49494	1.06E-07	1.68E-06
Mcc	-0.43639	9.12E-08	1.45E-06
Gm9917	-0.96796	8.38E-08	1.34E-06
Gm20045	-1.66715	7.02E-08	1.13E-06
Anxa5	-0.31302	7.64E-08	1.23E-06
Rida	-0.9062	7.14E-08	1.15E-06
Myo6	-0.42754	6.76E-08	1.09E-06
Ckb	-0.38768	6.22E-08	1.01E-06
Dpysl2	-0.44329	6.18E-08	1.00E-06
Bcl6b	-1.01925	5.27E-08	8.60E-07
Gm48207	-1.2362	5.04E-08	8.24E-07
mt-Co1	-0.21584	4.42E-08	7.27E-07
Snapc3	-0.91847	4.20E-08	6.93E-07
Pdc	-0.33139	4.20E-08	6.93E-07
Dll4	-0.62545	4.07E-08	6.73E-07
Rbm24	-1.5871	3.69E-08	6.17E-07
Sema5a	-0.9368	3.57E-08	5.97E-07
Sltm	-0.44814	3.16E-08	5.30E-07
Parm1	-1.25718	3.05E-08	5.13E-07
Chst2	-0.78275	2.98E-08	5.02E-07
Stard9	-0.69492	3.04E-08	5.10E-07
Rasgrp2	-0.48432	2.88E-08	4.86E-07
Slc5a5	-21.778	2.43E-08	4.14E-07
BC051408	-3.39527	2.33E-08	3.99E-07
Rmdn2	-1.74952	2.47E-08	4.22E-07
Septin11	-0.42288	2.54E-08	4.33E-07
Layn	-0.93491	2.31E-08	3.97E-07
Irf9	-0.59391	2.33E-08	3.99E-07
Jade1	-0.57378	2.34E-08	4.01E-07
Rgl1	-0.5606	2.04E-08	3.53E-07
Arg2	-2.87634	1.65E-08	2.87E-07
Cap2	-1.76513	1.37E-08	2.39E-07
Ltbp1	-1.24111	1.44E-08	2.51E-07
E130114P1	-1.27117	1.39E-08	2.42E-07
Slc38a11	-0.80811	1.31E-08	2.30E-07
Atxn1	-0.57206	1.28E-08	2.24E-07
Ankrd37	-0.63167	1.20E-08	2.11E-07
Pcp4l1	-0.31497	1.19E-08	2.10E-07
Msrp2	-0.98061	1.12E-08	1.99E-07
Far2	-0.97091	9.90E-09	1.76E-07
Pkm	-0.26923	8.97E-09	1.60E-07
Ndufa4l2	-0.55172	8.84E-09	1.58E-07
Gt(ROSA)2	-0.70951	8.48E-09	1.52E-07

Gm48204	-1.18447	8.05E-09	1.45E-07
A530083N	-0.80449	7.52E-09	1.36E-07
Zdhhc6	-0.70535	7.37E-09	1.33E-07
Atp13a5	-1.09005	7.01E-09	1.27E-07
Dync1li2	-0.57581	7.12E-09	1.29E-07
Rassf8	-0.75825	6.64E-09	1.21E-07
Tek	-0.33065	6.79E-09	1.23E-07
Gm17750	-1.64369	5.63E-09	1.03E-07
Akap12	-0.40315	6.25E-09	1.14E-07
Colec12	-0.75313	5.82E-09	1.07E-07
Akr1c14	-1.37347	5.19E-09	9.61E-08
Atp1b2	-0.47666	5.54E-09	1.02E-07
Prickle1	-0.66746	5.40E-09	9.98E-08
Gpr27	-2.22523	3.33E-09	6.29E-08
Thra	-0.42263	3.56E-09	6.69E-08
Gbp9	-0.70286	3.38E-09	6.36E-08
Hsp90ab1	-0.21044	3.35E-09	6.31E-08
Fam102a	-1.09673	2.88E-09	5.47E-08
Six3os1	-1.35187	2.74E-09	5.23E-08
Sntb1	-1.26906	2.75E-09	5.24E-08
Pde6g	-0.35244	2.83E-09	5.38E-08
Sox4	-0.70542	2.42E-09	4.62E-08
Sesn3	-0.64027	2.11E-09	4.08E-08
Arntl	-1.06619	1.76E-09	3.41E-08
Ablim1	-0.26915	1.75E-09	3.40E-08
Gpc6	-0.93383	1.62E-09	3.16E-08
Trim12a	-0.77814	1.50E-09	2.96E-08
Pde5a	-0.65209	1.42E-09	2.82E-08
Tril	-0.61627	1.39E-09	2.76E-08
Car4	-0.84722	1.28E-09	2.56E-08
Heyl	-1.04481	1.19E-09	2.37E-08
Lars2	-0.39364	1.13E-09	2.26E-08
Lsamp	-0.9649	1.01E-09	2.04E-08
mt-Ta	-1.84482	7.99E-10	1.62E-08
Lhfpl2	-0.74186	9.14E-10	1.84E-08
Ap4s1	-0.73753	8.60E-10	1.74E-08
Mmp15	-0.86111	7.45E-10	1.51E-08
Col3a1	-1.68319	6.50E-10	1.33E-08
Ajap1	-1.1896	6.94E-10	1.42E-08
Cd83	-1.56953	6.11E-10	1.26E-08
Ccdc80	-1.41181	6.04E-10	1.24E-08
Lingo1	-21.8813	4.20E-10	8.77E-09
Dhcr24	-1.36548	4.48E-10	9.31E-09
Slc16a1	-0.37556	5.03E-10	1.04E-08
Gbp7	-0.59603	4.47E-10	9.30E-09
mt-Co2	-0.89956	2.90E-10	6.07E-09
Jup	-0.57921	2.41E-10	5.07E-09

Slc39a10	-0.30813	2.22E-10	4.71E-09
A930006Kl	-1.59207	1.79E-10	3.83E-09
Nfia	-0.44791	2.05E-10	4.35E-09
Gm48203	-2.24505	1.50E-10	3.24E-09
Islr2	-0.57697	1.78E-10	3.80E-09
Vtn	-0.56153	1.56E-10	3.36E-09
Ctsh	-0.42518	1.38E-10	2.98E-09
Lrrn3	-0.90312	1.26E-10	2.73E-09
Ntn4	-1.0117	1.02E-10	2.24E-09
Prr5l	-0.83382	9.13E-11	2.00E-09
Reck	-0.50705	9.06E-11	1.99E-09
Car2	-0.53204	7.29E-11	1.61E-09
Dapl1	-0.80885	6.23E-11	1.39E-09
Oasl2	-0.73722	4.20E-11	9.44E-10
Pdxk	-0.58342	4.14E-11	9.34E-10
Gm37642	-2.36342	3.19E-11	7.32E-10
Srsf1	-0.55734	3.67E-11	8.31E-10
Rnaset2a	-0.83028	3.50E-11	7.96E-10
Kdr	-0.39526	3.61E-11	8.18E-10
Ptprm	-0.55372	3.27E-11	7.48E-10
Stard4	-0.83397	3.28E-11	7.50E-10
Ifi27l2a	-1.9014	2.60E-11	6.00E-10
Olfr558	-1.60982	2.57E-11	5.95E-10
mt-Co3	-0.7088	2.61E-11	6.01E-10
Sfxn5	-1.07739	2.15E-11	4.98E-10
Gm37393	-0.99009	2.00E-11	4.65E-10
Gnat1	-0.34167	2.16E-11	5.01E-10
Ralgapa1	-0.4961	1.71E-11	3.99E-10
Olfml2a	-1.43013	1.09E-11	2.61E-10
Phldb2	-0.64629	1.11E-11	2.64E-10
Gtf2i	-0.51777	1.08E-11	2.59E-10
Abcc9	-0.65417	1.02E-11	2.45E-10
Cryab	-0.67754	6.51E-12	1.58E-10
H2bu2	-0.90023	6.22E-12	1.51E-10
Marcks	-0.52297	5.21E-12	1.28E-10
Klf12	-0.78602	4.02E-12	1.01E-10
Fzd6	-0.54277	4.31E-12	1.07E-10
Hnrnpa2b1	-0.34165	4.26E-12	1.06E-10
Palmd	-0.45614	4.18E-12	1.04E-10
Slc16a2	-0.65864	3.69E-12	9.28E-11
Nrep	-1.04741	2.34E-12	5.93E-11
Ppp1r16b	-0.7509	2.31E-12	5.87E-11
Tagln	-1.65452	1.08E-12	2.79E-11
Ifnar1	-0.5494	1.17E-12	3.03E-11
Isyna1	-0.64801	8.59E-13	2.24E-11
Insig1	-1.13768	4.33E-13	1.16E-11
Slc38a3	-0.62695	3.51E-13	9.41E-12

Gm48206	-4.06115	1.23E-13	3.38E-12
Srsf3	-0.43107	1.12E-13	3.09E-12
St6galnac3	-0.66037	1.00E-13	2.77E-12
Prom1	-0.44586	8.41E-14	2.35E-12
Eno1	-0.52831	7.30E-14	2.05E-12
Sp100	-0.66245	6.82E-14	1.92E-12
Gm42892	-0.93536	5.52E-14	1.57E-12
Srebf2	-0.85279	5.47E-14	1.56E-12
Ret	-2.80566	3.22E-14	9.33E-13
Plekhh2	-1.27479	3.59E-14	1.04E-12
Mfsd2a	-0.62532	3.99E-14	1.15E-12
Slc16a4	-0.89447	3.04E-14	8.82E-13
Irf7	-0.87947	2.99E-14	8.68E-13
Ifit1	-0.8966	2.48E-14	7.26E-13
Stra6	-0.64777	2.53E-14	7.39E-13
Notum	-1.49744	1.76E-14	5.23E-13
Hnrnph1	-0.51252	2.30E-14	6.74E-13
Rasgrp3	-0.60292	2.15E-14	6.32E-13
Mgarp	-0.60889	1.52E-14	4.54E-13
Mpzl1	-0.5241	1.27E-14	3.82E-13
Sorbs2	-0.44425	1.11E-14	3.33E-13
Ackr3	-0.90257	7.78E-15	2.35E-13
Fam181b	-1.088	6.97E-15	2.13E-13
Pcdh18	-1.03105	6.24E-15	1.92E-13
Cyp26b1	-1.43574	5.10E-15	1.57E-13
Htra3	-1.36037	4.24E-15	1.32E-13
Sag	-0.46441	4.26E-15	1.32E-13
Cobll1	-0.58376	2.94E-15	9.26E-14
Ano1	-1.04935	1.81E-15	5.74E-14
Gm20559	-1.07647	1.31E-15	4.19E-14
Ifit3	-1.26298	9.88E-16	3.19E-14
Myo10	-0.52182	1.03E-15	3.32E-14
Lbh	-0.88554	9.42E-16	3.06E-14
Isg15	-0.81051	6.24E-16	2.05E-14
Aif1l	-0.95647	5.17E-16	1.71E-14
Hsp90aa1	-0.4242	4.58E-16	1.53E-14
Frmd4b	-0.68985	1.45E-16	4.96E-15
Fkbp4	-0.71136	1.12E-16	3.85E-15
Jcad	-0.41221	1.14E-16	3.91E-15
Il10rb	-0.61863	1.03E-16	3.55E-15
Cacybp	-0.74943	9.40E-17	3.26E-15
MyI9	-0.7406	7.69E-17	2.68E-15
Acta2	-1.6128	4.48E-17	1.58E-15
Gbp3	-0.88658	2.01E-17	7.25E-16
Unc5b	-0.94788	1.63E-17	5.91E-16
Dnaja1	-0.58065	9.78E-18	3.62E-16
Rtp4	-0.99644	7.13E-18	2.68E-16

Dgkb	-1.41361	2.97E-18	1.13E-16
Pmepa1	-0.68113	2.75E-18	1.05E-16
Abhd2	-0.56807	2.43E-18	9.35E-17
Map4k2	-0.88134	1.33E-18	5.21E-17
Tuba1a	-0.57118	1.70E-18	6.61E-17
Plip	-0.72981	9.65E-19	3.85E-17
Tnfrsf19	-0.74969	8.29E-19	3.33E-17
mt-Atp6	-0.62854	3.08E-19	1.27E-17
Lmo7	-0.98109	2.89E-19	1.20E-17
Xaf1	-0.80301	1.83E-19	7.64E-18
Sgpp2	-1.09266	1.40E-19	5.90E-18
Trpc3	-1.33212	9.65E-20	4.11E-18
Gm15666	-1.6023	6.27E-20	2.73E-18
Bok	-1.11215	7.14E-20	3.08E-18
mt-Atp8	-0.66315	3.82E-20	1.71E-18
Aspn	-1.06554	1.80E-20	8.12E-19
Gngt1	-0.49851	1.09E-20	4.98E-19
Lrrc49	-1.08849	3.53E-21	1.66E-19
Rho	-0.38934	1.22E-21	5.82E-20
Fut8	-0.7679	8.69E-22	4.15E-20
Gas6	-0.76797	8.21E-23	4.08E-21
Rflnb	-0.75439	6.41E-23	3.22E-21
Ptprb	-0.37723	2.22E-23	1.14E-21
Ldlr	-1.66048	6.71E-24	3.50E-22
Nrp1	-0.72949	6.31E-24	3.34E-22
Cmpk2	-1.56427	2.08E-24	1.13E-22
Macf1	-0.50067	3.24E-24	1.74E-22
Slc22a8	-0.96113	1.02E-24	5.63E-23
Emp2	-0.83959	1.01E-24	5.57E-23
Hsph1	-1.86377	2.35E-25	1.33E-23
Ddc	-2.00634	7.44E-26	4.29E-24
Cst3	-0.50706	1.57E-25	8.98E-24
St8sia4	-0.9701	6.35E-26	3.69E-24
Grb14	-1.05087	5.41E-26	3.16E-24
mt-Nd5	-0.53727	9.43E-26	5.41E-24
Vegfc	-1.97333	1.82E-26	1.09E-24
Rsrp1	-0.60219	6.03E-26	3.51E-24
Tmtc2	-1.04024	1.31E-26	7.96E-25
Dynll1	-0.52643	2.23E-26	1.32E-24
Rsad2	-1.51265	3.56E-28	2.27E-26
Mndal	-1.02133	4.30E-28	2.72E-26
Slc40a1	-1.03343	1.32E-28	8.58E-27
Rn18s-rs5	-0.51912	3.80E-28	2.41E-26
Kitl	-0.64171	4.10E-29	2.75E-27
Flt1	-0.42835	1.55E-29	1.06E-27
Ifi203	-1.05372	1.94E-32	1.40E-30
Slco1c1	-0.73675	3.19E-33	2.38E-31

Atp1a2	-1.07075	5.42E-34	4.14E-32
Rlbp1	-1.14051	2.18E-34	1.70E-32
Utrn	-0.68833	3.44E-39	3.18E-37
Ecm2	-1.84446	1.35E-41	1.39E-39
Nes	-1.18206	2.17E-42	2.34E-40
mt-Nd1	-0.50332	4.63E-46	5.72E-44
Esyt2	-0.90057	1.23E-46	1.54E-44
Gkn3	-4.39254	3.05E-50	4.47E-48
Gm28438	-0.87838	9.17E-49	1.27E-46
Lrp8	-1.08881	2.19E-51	3.48E-49
Ctnnb1	-0.71747	7.68E-52	1.24E-49
Spc25	-1.53227	3.32E-54	5.65E-52
Ndnf	-2.43333	9.48E-63	2.06E-60
Hmcn1	-1.49489	2.03E-61	4.29E-59
Pltp	-0.68436	3.78E-60	7.75E-58
Tfrc	-1.49845	7.30E-65	1.71E-62
mt-Nd4	-0.73441	4.25E-69	1.20E-66
mt-Nd2	-0.75983	2.52E-82	9.20E-80
mt-Cytb	-0.68936	1.92E-90	8.45E-88
Spock2	-1.0619	5.35E-92	2.43E-89
Alpl	-1.98376	2.63E-110	1.71E-107
mt-Rnr1	-0.94718	1.72E-106	1.07E-103
Bsg	-1.03047	4.53E-106	2.71E-103
Slc7a1	-1.59788	1.54E-115	1.35E-112
mt-Rnr2	-0.92427	3.72E-116	3.48E-113
Ptn	-1.89521	1.42E-160	2.36E-157
Ltbp4	-2.04777	5.09E-188	1.52E-184