

Supplemental Table 1: RNA sequencing results of TGFβ1-treated mOSE cells (10 ng/mL, 96 hr).

target_id	ext_gene	qval	b
ENSMUSG00000052468	Pmp2	1.53E-53	5.708289386
ENSMUSG00000049538	Adamts16	1.22E-42	5.238696715
ENSMUSG00000067719	Gm10221	2.53E-05	4.718171329
ENSMUSG00000031825	Crispld2	7.09E-26	4.594276042
ENSMUSG00000057457	Phex	4.50E-25	4.480983579
ENSMUSG00000045092	S1pr1	1.46E-101	4.106988875
ENSMUSG00000024910	Ctsw	3.87E-19	4.005590833
ENSMUSG00000041449	Serpina3h	0.000117311	3.962904407
ENSMUSG00000025746	Il6	0.000230315	3.903470857
ENSMUSG00000028591	Pramef12	2.88E-22	3.879666606
ENSMUSG00000029272	Sult1e1	5.14E-21	3.867397112
ENSMUSG00000027966	Col11a1	2.85E-15	3.71601464
ENSMUSG00000041482	Piezo2	2.68E-76	3.681192174
ENSMUSG00000022367	Has2	6.98E-45	3.670726833
ENSMUSG00000066363	Serpina3f	5.58E-08	3.59219141
ENSMUSG00000032122	Slc37a2	2.50E-37	3.565018889
ENSMUSG00000024620	Pdgfrb	3.87E-06	3.388846758
ENSMUSG00000042190	Cmklr1	1.93E-08	3.292349533
ENSMUSG00000022321	Cdh10	4.09E-06	3.275928025
ENSMUSG00000036594	H2-Aa	3.27E-14	3.27520245
ENSMUSG00000024670	Cd6	1.53E-10	3.197324013
ENSMUSG00000026468	Lhx4	6.11E-11	3.189381302
ENSMUSG00000031994	Adamts8	2.26E-10	3.177413343
ENSMUSG00000033122	Hsd17b3	1.83E-05	3.164497807
ENSMUSG00000073421	H2-Ab1	1.74E-07	3.156356029
ENSMUSG00000026228	Htr2b	1.09E-06	3.151096013
ENSMUSG00000001506	Col1a1	2.15E-73	3.133898971
ENSMUSG00000044258	Ctla2a	1.61E-46	3.097522888
ENSMUSG00000042436	Mfap4	7.96E-10	3.075423019
ENSMUSG00000079014	Serpina3i	3.54E-05	3.072523512
ENSMUSG00000041605	5730559C18Rik	6.71E-08	3.062598476
ENSMUSG00000047746	Fbxo40	2.56E-08	3.042474717
ENSMUSG00000024365	Cyp21a1	2.87E-12	3.028447423
ENSMUSG00000032172	Olfm2	5.90E-11	3.014984777
ENSMUSG00000031780	Ccl17	0.000105906	2.985131364
ENSMUSG00000020216	Jsrp1	8.44E-08	2.954491223
ENSMUSG00000026424	Gpr37l1	1.70E-07	2.931312691
ENSMUSG00000037568	Vash2	4.27E-14	2.922863288
ENSMUSG00000021904	Sema3g	3.57E-05	2.915754527
ENSMUSG00000033207	Mamdc2	1.05E-09	2.88228498
ENSMUSG00000026480	Ncf2	9.33E-25	2.859143484
ENSMUSG00000058883	Zfp708	0.024047621	2.859020628
ENSMUSG00000048779	P2ry6	3.94E-29	2.852156
ENSMUSG00000022382	Wnt7b	5.48E-26	2.807981424
ENSMUSG00000041481	Serpina3g	1.78E-05	2.797083819

ENSMUSG00000024697	Gna14	1.47E-07	2.796577893
ENSMUSG00000024176	Sox8	7.01E-10	2.714596173
ENSMUSG00000029861	Fam131b	1.17E-07	2.705922459
ENSMUSG00000048142	Nat8l	6.76E-15	2.698330489
ENSMUSG00000035357	Pdzrn3	4.61E-10	2.694375424
ENSMUSG00000020399	Havcr2	2.33E-09	2.643520894
ENSMUSG00000021062	Rab15	7.54E-05	2.62199443
ENSMUSG00000062515	Fabp4	4.18E-19	2.618249671
ENSMUSG00000020053	Igf1	2.14E-51	2.594156126
ENSMUSG00000048939	Atp13a5	1.33E-07	2.576465767
ENSMUSG00000006403	Adamts4	9.69E-24	2.573597894
ENSMUSG00000032036	Kirrel3	5.91E-34	2.55339913
ENSMUSG00000032281	Acsbg1	4.62E-38	2.539719363
ENSMUSG00000076441	Ass1	5.11E-06	2.536410807
ENSMUSG00000025270	Alas2	7.76E-07	2.470327391
ENSMUSG00000015533	Itga2	0.035679447	2.44162887
ENSMUSG00000027356	Fermt1	0.000399275	2.438557589
ENSMUSG00000070866	Zfp804a	4.25E-05	2.41894789
ENSMUSG00000021256	Vash1	4.83E-12	2.389407919
ENSMUSG00000037411	Serpine1	8.60E-09	2.354182852
ENSMUSG00000025743	Sdc3	4.12E-13	2.350281051
ENSMUSG00000027435	Cd93	1.96E-13	2.346824307
ENSMUSG00000013921	Clip3	7.19E-07	2.330385378
ENSMUSG00000004891	Nes	1.29E-05	2.327950982
ENSMUSG00000022887	Masp1	5.04E-07	2.323868726
ENSMUSG00000004105	Angptl2	7.21E-06	2.294344585
ENSMUSG00000020437	Myo1g	1.50E-10	2.282342569
ENSMUSG00000000120	Ngfr	2.46E-05	2.281860183
ENSMUSG00000025610	Map3k7cl	0.00022471	2.279585488
ENSMUSG00000030616	Sytl2	1.06E-38	2.223374452
ENSMUSG00000015957	Wnt11	1.24E-22	2.216689816
ENSMUSG00000025017	Pik3ap1	0.000439888	2.21632623
ENSMUSG00000019122	Ccl9	0.000296445	2.205749252
ENSMUSG00000048616	Nog	3.05E-05	2.204601131
ENSMUSG00000046157	Tmem229b	3.23E-19	2.196171829
ENSMUSG00000004791	Pgf	0.000530353	2.180101681
ENSMUSG00000033998	Kcnk1	2.87E-09	2.155380027
ENSMUSG00000035246	Pcyt1b	4.55E-33	2.154768219
ENSMUSG00000038677	Scube3	6.53E-55	2.142437384
ENSMUSG00000027204	Fbn1	1.44E-11	2.113142291
ENSMUSG00000114432	AC160962.1	3.01E-20	2.112583869
ENSMUSG00000023031	Cela1	0.001524639	2.11055721
ENSMUSG00000053469	Tg	9.26E-13	2.108048332
ENSMUSG00000055415	Atp10b	1.22E-05	2.102834053
ENSMUSG00000063975	Slco1a5	0.007578902	2.08925432
ENSMUSG00000010830	Kdelr3	0.000529815	2.06581796
ENSMUSG00000024529	Lox	1.40E-25	2.051809035

ENSMUSG00000025584	Pde8a	2.05E-05	2.013226667
ENSMUSG00000051279	Gdf6	3.12E-17	2.004611936
ENSMUSG00000022296	Baalc	0.000853471	1.978877361
ENSMUSG00000107249	Baalc	0.000853471	1.978877361
ENSMUSG00000022661	Cd200	2.40E-35	1.971375027
ENSMUSG00000019970	Sgk1	4.49E-07	1.964068234
ENSMUSG00000029121	Crmp1	1.63E-12	1.954822461
ENSMUSG00000106268	Gm18492	0.014163925	1.947097555
ENSMUSG00000042109	Csdc2	3.50E-16	1.943576638
ENSMUSG00000011256	Adam19	4.95E-13	1.937272098
ENSMUSG00000021994	Wnt5a	1.93E-18	1.923999255
ENSMUSG00000057074	Ces1g	2.08E-09	1.923038278
ENSMUSG00000005124	Wisp1	9.65E-08	1.905065427
ENSMUSG00000034981	Parm1	3.55E-17	1.903493096
ENSMUSG00000020905	Usp43	2.32E-07	1.887471184
ENSMUSG00000019997	Ctgf	1.31E-05	1.886427851
ENSMUSG00000109801	Olf1316	0.003005741	1.879790477
ENSMUSG00000067158	Col4a4	1.30E-54	1.870259176
ENSMUSG00000053199	Arhgap20	0.029698266	1.866352044
ENSMUSG00000032908	Sgpp2	4.18E-06	1.862608236
ENSMUSG00000037341	Slc9a7	4.03E-08	1.858054221
ENSMUSG00000043079	Synpo	2.82E-56	1.852475382
ENSMUSG00000072214	O5-Sep	8.55E-18	1.813538717
ENSMUSG00000026764	Kif5c	1.04E-09	1.813444444
ENSMUSG00000032315	Cyp1a1	1.95E-22	1.803721424
ENSMUSG00000058248	Kcnh1	3.63E-11	1.800545283
ENSMUSG00000055044	Pdlim1	1.36E-11	1.799082008
ENSMUSG00000042115	Klhdc8a	3.42E-17	1.783831276
ENSMUSG00000051998	Lax1	3.66E-09	1.778970733
ENSMUSG00000026420	Il24	0.003638435	1.768338568
ENSMUSG00000035390	Brsk1	0.00176985	1.766548932
ENSMUSG00000037224	Zfyve28	1.55E-05	1.76116249
ENSMUSG00000017817	Jph2	0.000639545	1.754263624
ENSMUSG00000027995	Tlr2	6.03E-09	1.750267363
ENSMUSG00000022494	Shisa9	0.000505946	1.74668479
ENSMUSG00000042793	Lgr6	0.000438981	1.745034081
ENSMUSG00000037493	Cib2	0.000127555	1.742585685
ENSMUSG00000096847	Tmem151b	2.90E-07	1.731475897
ENSMUSG00000047293	Gpr15	0.002838797	1.727492374
ENSMUSG00000031827	Cotl1	0.000456974	1.720436048
ENSMUSG00000046997	Spsb4	7.74E-28	1.708343554
ENSMUSG00000005087	Cd44	0.004018833	1.70779647
ENSMUSG00000020032	Nuak1	8.43E-39	1.706580101
ENSMUSG00000079355	Ackr4	1.37E-07	1.705564835
ENSMUSG00000043760	Pkhd1	0.011624945	1.705538768
ENSMUSG00000032135	Mcam	1.01E-13	1.704645779
ENSMUSG00000047139	Cd24a	0.001907413	1.702769909

ENSMUSG00000003545	Fosb	0.010379736	1.698671397
ENSMUSG00000020154	Ptprb	1.07E-15	1.697498298
ENSMUSG00000079465	Col4a3	6.51E-46	1.692622163
ENSMUSG00000061615	Hist1h2ab	0.046123816	1.690354895
ENSMUSG00000042425	Frmpd3	0.002786981	1.683164895
ENSMUSG00000031740	Mmp2	5.98E-20	1.675110827
ENSMUSG00000029093	Sorcs2	0.016221163	1.673906066
ENSMUSG00000027864	Ptgfrn	2.08E-09	1.665345492
ENSMUSG00000027834	Serpini1	0.000487974	1.661332054
ENSMUSG00000027276	Jag1	0.00018582	1.660650209
ENSMUSG00000032717	Mdfi	1.41E-24	1.658068094
ENSMUSG00000033174	Mgll	5.59E-77	1.654959405
ENSMUSG00000033177	Tmprss7	0.019583178	1.650087136
ENSMUSG00000042106	Fam212a	0.011945684	1.647678024
ENSMUSG00000031871	Cdh5	0.011975811	1.640653205
ENSMUSG00000028031	Dkk2	3.05E-33	1.625614865
ENSMUSG00000027322	Siglec1	1.68E-05	1.621777033
ENSMUSG00000068748	Ptprz1	0.003576193	1.616664029
ENSMUSG00000017737	Mmp9	0.014866155	1.61182448
ENSMUSG00000042821	Snai1	1.18E-06	1.603297517
ENSMUSG00000047496	Rnf152	0.001619304	1.599184253
ENSMUSG00000114473	AC116797.1	0.004575998	1.596921786
ENSMUSG00000020669	Sh3yl1	4.04E-05	1.594571266
ENSMUSG00000024501	Dpysl3	1.18E-17	1.59189218
ENSMUSG00000030717	Nupr1	2.31E-64	1.590969407
ENSMUSG00000024451	Arap3	0.000191378	1.587548217
ENSMUSG00000044243	Bhlha9	3.15E-06	1.573108967
ENSMUSG00000037482	Erv3	1.42E-11	1.55581515
ENSMUSG00000067377	Tspan6	9.39E-44	1.552863186
ENSMUSG00000001270	Ckb	0.000997486	1.551057841
ENSMUSG00000035104	Eva1a	0.000621795	1.550549292
ENSMUSG00000032014	Oaf	0.02162331	1.549845645
ENSMUSG00000078984	Gm11027	5.10E-18	1.547357887
ENSMUSG00000071537	Klrg2	4.42E-71	1.543935135
ENSMUSG00000001870	Ltbp1	3.64E-07	1.543888143
ENSMUSG00000060568	Fam78b	3.97E-05	1.540021356
ENSMUSG00000037217	Syn1	0.000374582	1.539343967
ENSMUSG00000001349	Cnn1	0.001945281	1.534301898
ENSMUSG00000061576	Dpp6	3.52E-26	1.529268003
ENSMUSG00000041836	Ptpre	3.07E-07	1.525920707
ENSMUSG00000031837	Necab2	0.012603674	1.524107618
ENSMUSG00000036617	Etl4	5.68E-11	1.517152947
ENSMUSG00000032487	Ptgs2	1.28E-10	1.515927413
ENSMUSG00000028348	Cavin4	5.66E-06	1.514895807
ENSMUSG00000008318	Relt	0.004396362	1.513723226
ENSMUSG00000027858	Tspan2	0.037388695	1.508143631
ENSMUSG00000019850	Tnfai3	0.006823205	1.493242569

ENSMUSG00000031880	Rrad	0.015544247	1.487229747
ENSMUSG00000020598	Nrcam	0.003584406	1.487071698
ENSMUSG00000028931	Kcnab2	0.003913256	1.475606381
ENSMUSG00000026837	Col5a1	8.60E-13	1.464265828
ENSMUSG00000028784	Spocd1	0.039616587	1.459424164
ENSMUSG00000038602	Slc35f1	1.44E-11	1.455718358
ENSMUSG00000063564	Col23a1	0.044579942	1.454140237
ENSMUSG00000038011	Dnah10	0.004631928	1.451050848
ENSMUSG00000031785	Adgrg1	3.92E-42	1.448433158
ENSMUSG00000025790	Slco3a1	1.79E-36	1.441532229
ENSMUSG00000020646	Mboat2	3.20E-06	1.44092282
ENSMUSG00000028037	Ifi44	0.043481198	1.438435673
ENSMUSG00000021768	Dusp13	2.81E-14	1.43705558
ENSMUSG00000078144	Capns2	0.02270551	1.424713616
ENSMUSG00000060487	Samd5	0.000570228	1.420596961
ENSMUSG00000020340	Cyfip2	0.016735875	1.417702604
ENSMUSG00000018819	Lsp1	2.60E-51	1.412277822
ENSMUSG00000058914	C1qtnf3	0.00104201	1.407018547
ENSMUSG00000054976	Nyap2	0.012045282	1.405001201
ENSMUSG00000026414	Tnnt2	0.000917124	1.40295677
ENSMUSG00000074874	Ctla2b	1.53E-06	1.399866628
ENSMUSG00000024679	Ms4a6d	8.36E-32	1.394881584
ENSMUSG00000024736	Tmem132a	1.13E-148	1.390532465
ENSMUSG00000010051	Hyal1	6.61E-22	1.381691846
ENSMUSG00000024300	Myo1f	0.01352785	1.37618979
ENSMUSG00000040734	Ppp1r13l	6.10E-09	1.375157938
ENSMUSG00000032128	Robo3	8.44E-08	1.372786525
ENSMUSG00000030116	Mfap5	6.66E-05	1.365729272
ENSMUSG00000034220	Gpc1	7.27E-14	1.363669103
ENSMUSG00000021675	F2rl2	0.026040675	1.355018717
ENSMUSG00000029695	Aass	0.028246304	1.354388415
ENSMUSG00000028480	Glipr2	1.21E-10	1.350104853
ENSMUSG00000039323	Igfbp2	0.002567301	1.349414435
ENSMUSG00000048096	Lmod1	3.90E-05	1.341406372
ENSMUSG00000060716	Plekhh1	6.55E-08	1.34106597
ENSMUSG00000031673	Cdh11	1.48E-12	1.34067721
ENSMUSG00000020846	Rflnb	3.90E-05	1.333481109
ENSMUSG00000055493	Epm2a	0.005122451	1.330916981
ENSMUSG00000005355	Casp14	1.97E-05	1.329576688
ENSMUSG00000055994	Nod2	0.009092665	1.328620329
ENSMUSG00000070858	Gm1673	1.93E-05	1.326335893
ENSMUSG00000019539	Rcn3	5.30E-27	1.32391433
ENSMUSG00000021701	Plk2	0.000796406	1.321698155
ENSMUSG00000033767	Tmem131l	7.06E-77	1.321451153
ENSMUSG00000021187	Tc2n	0.00204847	1.320610038
ENSMUSG00000059498	Fcgr3	6.04E-06	1.319697881
ENSMUSG00000020186	Csrp2	5.79E-11	1.319103892

ENSMUSG00000020902	Ntn1	4.36E-07	1.311927562
ENSMUSG00000038264	Sema7a	2.54E-06	1.308819438
ENSMUSG00000061751	Kalrn	4.88E-14	1.308263524
ENSMUSG00000048782	Insc	0.032901831	1.30800178
ENSMUSG00000063632	Sox11	3.40E-06	1.307851945
ENSMUSG00000073460	PnlDC1	0.00297622	1.30719101
ENSMUSG00000045498	Pcdhb3	0.015073775	1.300133653
ENSMUSG00000056758	Hmga2	4.14E-07	1.293076591
ENSMUSG00000031561	Tenm3	3.03E-26	1.286838986
ENSMUSG00000074480	Mex3a	3.86E-109	1.286371186
ENSMUSG00000083282	Ctsf	2.31E-11	1.284192998
ENSMUSG00000028287	1700009N14Rik	0.001521568	1.284043039
ENSMUSG00000072934	Trpc5os	0.025958687	1.277037658
ENSMUSG00000028444	Cntfr	0.005990674	1.276335945
ENSMUSG00000050671	Ism2	0.016113206	1.274773694
ENSMUSG00000006219	Fblim1	2.99E-22	1.274279127
ENSMUSG00000034687	Fras1	0.028453978	1.274142034
ENSMUSG00000031647	Mfap3l	5.67E-09	1.27404923
ENSMUSG00000052776	Oas1a	0.000260027	1.272446335
ENSMUSG00000064080	Fbln2	0.00233883	1.270844189
ENSMUSG00000020674	Pxdn	1.95E-112	1.267461323
ENSMUSG00000039542	Ncam1	1.76E-20	1.266997327
ENSMUSG00000022105	Rb1	1.06E-11	1.262067778
ENSMUSG00000046807	Lrrc75b	1.02E-60	1.261792505
ENSMUSG00000046743	Fat4	1.58E-05	1.260083164
ENSMUSG00000006800	Sulf2	3.14E-33	1.256586406
ENSMUSG00000054934	Kcnmb4	7.02E-27	1.254108393
ENSMUSG00000021365	Nedd9	1.62E-19	1.253794946
ENSMUSG00000030032	Wdr54	5.72E-07	1.251297731
ENSMUSG00000074794	Arrdc3	1.99E-13	1.24864953
ENSMUSG00000028347	Tmeff1	4.25E-09	1.247536017
ENSMUSG00000048960	Prex2	2.36E-05	1.246897809
ENSMUSG00000027412	Lpin3	0.028246304	1.24669483
ENSMUSG00000056367	Actr3b	1.49E-09	1.238870324
ENSMUSG00000042213	Zfand4	0.00025104	1.230300407
ENSMUSG00000038415	Foxq1	0.006564903	1.227546567
ENSMUSG00000039361	Picalm	1.45E-05	1.226149413
ENSMUSG00000052331	Ankrd44	7.72E-98	1.22248837
ENSMUSG00000038400	Pmepa1	1.26E-13	1.222162182
ENSMUSG00000029669	Tspan12	1.42E-05	1.221591592
ENSMUSG00000078776	9530053A07Rik	0.005408569	1.216362713
ENSMUSG00000045312	Lhfpl2	3.18E-07	1.215333236
ENSMUSG00000032849	Abcc4	1.11E-44	1.215296296
ENSMUSG00000089791	Gm3555	7.95E-09	1.214545574
ENSMUSG00000012705	Retn	7.31E-07	1.214126066
ENSMUSG00000040152	Thbs1	2.69E-13	1.214023421
ENSMUSG00000066842	Hmgn1	1.14E-10	1.212772437

ENSMUSG00000029337	Fgf5	1.08E-06	1.212766108
ENSMUSG00000019843	Fyn	2.03E-08	1.207575798
ENSMUSG00000036067	Slc2a6	0.049081204	1.206010054
ENSMUSG00000037012	Hk1	2.56E-18	1.198439797
ENSMUSG00000025207	Sema4g	2.92E-10	1.198011917
ENSMUSG00000021186	Fbln5	2.24E-97	1.197948786
ENSMUSG00000042097	Zfp239	5.35E-06	1.1972761
ENSMUSG00000028664	Ephb2	0.005275268	1.19715666
ENSMUSG00000031169	Porcn	9.83E-06	1.190730169
ENSMUSG00000000782	Tcf7	4.18E-10	1.188629807
ENSMUSG00000026826	Nr4a2	0.000824558	1.175113327
ENSMUSG00000026817	Ak1	0.000240065	1.174882649
ENSMUSG00000044807	Zfp354c	1.91E-08	1.173563485
ENSMUSG00000027470	Mylk2	1.75E-05	1.167902353
ENSMUSG00000046550	Spin2c	0.019693693	1.167808048
ENSMUSG00000021130	Galnt16	0.010688673	1.167254368
ENSMUSG00000022636	Alcam	2.38E-41	1.167037766
ENSMUSG00000020407	Upp1	0.024251793	1.165362174
ENSMUSG00000030730	Atp2a1	0.000351883	1.163075338
ENSMUSG00000026548	Slamf9	0.00018016	1.160791535
ENSMUSG00000000126	Wnt9a	1.57E-11	1.158147861
ENSMUSG00000024299	Adamts10	2.63E-32	1.158045767
ENSMUSG000000091636	Akain1	0.001475381	1.154692658
ENSMUSG00000024397	Aif1	0.016580273	1.145671664
ENSMUSG00000034227	Foxj1	1.04E-05	1.145373444
ENSMUSG00000025494	Sigirr	0.028338318	1.143891837
ENSMUSG00000040430	Pitpnc1	0.00476158	1.138332084
ENSMUSG00000005057	Sh2b2	1.76E-10	1.134580645
ENSMUSG00000043557	Mdga1	3.30E-05	1.134127243
ENSMUSG000000051375	Pcdh1	1.67E-05	1.132789339
ENSMUSG00000030393	Zik1	1.60E-19	1.128255533
ENSMUSG00000034330	Plcg2	4.55E-23	1.126524355
ENSMUSG000000051379	Flrt3	0.00018174	1.126389571
ENSMUSG000000050394	Armxc6	4.09E-23	1.120065963
ENSMUSG00000030659	Nucb2	1.04E-17	1.113893098
ENSMUSG00000025931	Paqr8	6.64E-11	1.111117408
ENSMUSG00000040046	Tph1	0.034961043	1.110156824
ENSMUSG000000055322	Tns1	6.47E-13	1.108221468
ENSMUSG00000018470	Kcnab3	0.002210012	1.107291132
ENSMUSG00000048534	Jaml	0.000427658	1.10509862
ENSMUSG00000030107	Usp18	0.009380512	1.10441554
ENSMUSG00000001630	Stk38l	1.81E-30	1.1028399
ENSMUSG00000016194	Hsd11b1	9.96E-06	1.102406214
ENSMUSG00000032511	Scn5a	0.028217859	1.093325842
ENSMUSG00000032589	Bsn	0.016862299	1.090319037
ENSMUSG00000111738	Gm18329	0.002703896	1.090080766
ENSMUSG00000039936	Pik3cd	0.036113435	1.087108976

ENSMUSG00000048895	Cdk5r1	0.022384222	1.080857593
ENSMUSG00000052396	Mogat2	1.63E-07	1.080441894
ENSMUSG00000039470	Zdhhc2	8.85E-17	1.07944458
ENSMUSG00000051599	Pcdhb2	0.001097344	1.079232848
ENSMUSG00000022519	Srl	0.012886619	1.076053221
ENSMUSG00000038648	Creb3l2	9.57E-16	1.075230163
ENSMUSG00000064294	Aox3	0.007822352	1.074326821
ENSMUSG00000023781	Hes7	0.003190756	1.07404212
ENSMUSG00000022952	Runx1	0.045678251	1.073922103
ENSMUSG00000024544	Ldlrad4	2.31E-28	1.073013196
ENSMUSG00000036155	Mgat5	2.04E-34	1.072213689
ENSMUSG00000048216	Gpr85	0.003035187	1.067773432
ENSMUSG00000048058	Ldlrad3	5.84E-06	1.065795878
ENSMUSG00000032300	1700017B05Rik	1.85E-30	1.061865116
ENSMUSG00000035109	Shc4	2.09E-10	1.053740811
ENSMUSG00000062184	Hs6st2	1.15E-25	1.052104455
ENSMUSG00000031709	Tbc1d9	0.012065325	1.04631009
ENSMUSG00000010311	Optc	0.0123262	1.044203717
ENSMUSG00000070576	Mn1	0.047238961	1.042715713
ENSMUSG00000053192	Ml1t11	2.35E-07	1.03846198
ENSMUSG00000000530	Acvrl1	6.27E-05	1.035107382
ENSMUSG00000037649	H2-DMa	6.93E-05	1.033783941
ENSMUSG00000029270	Fam69a	5.35E-42	1.032786428
ENSMUSG00000022098	Bmp1	1.23E-28	1.031675979
ENSMUSG00000020689	Itgb3	0.003734182	1.030636193
ENSMUSG00000115797	AC122320.1	0.013384109	1.030398529
ENSMUSG00000050345	4930486L24Rik	8.89E-12	1.026670073
ENSMUSG00000061731	Ext1	1.13E-14	1.026547277
ENSMUSG00000070526	Peg12	0.000179844	1.026522572
ENSMUSG00000026235	Epha4	6.94E-16	1.01974623
ENSMUSG00000024486	Hbegf	0.003701422	1.01931551
ENSMUSG00000025856	Pdgfa	0.003336857	1.018089386
ENSMUSG00000053395	Cacng8	0.001758969	1.017868051
ENSMUSG00000106728	Cacng8	0.001758969	1.017868051
ENSMUSG00000042662	Dusp15	0.04691763	1.015350344
ENSMUSG00000009687	Fxyd5	0.001541921	1.015039705
ENSMUSG00000048992	Prss32	0.041857253	1.014873021
ENSMUSG00000031595	Pdgfrl	3.21E-05	1.012297698
ENSMUSG00000056427	Slit3	6.24E-54	1.012097247
ENSMUSG00000028780	Sema3c	4.77E-75	1.011613197
ENSMUSG00000033152	Podxl2	3.02E-15	1.011561196
ENSMUSG00000060063	Alox5ap	5.59E-05	1.008524774
ENSMUSG00000039405	Prss23	4.18E-11	1.007685611
ENSMUSG00000045216	Hs6st1	7.71E-64	1.006781166
ENSMUSG00000000753	Serpinf1	7.74E-11	1.006159783
ENSMUSG00000031523	Dlc1	9.02E-05	0.999909292
ENSMUSG00000028194	Ddah1	2.86E-07	0.999261532

ENSMUSG00000028039	Efna3	2.20E-06	0.998154274
ENSMUSG00000053687	Dpep2	1.89E-05	0.99769898
ENSMUSG00000073680	Tmem88b	0.002476939	0.997578998
ENSMUSG00000005267	Zfp287	1.01E-06	0.996222228
ENSMUSG00000022816	Fstl1	5.43E-72	0.995643854
ENSMUSG00000027848	Olfml3	0.000828405	0.991031158
ENSMUSG00000074280	Gm6166	5.10E-46	0.990627789
ENSMUSG00000000317	Bcl6b	0.00619425	0.987123438
ENSMUSG00000021643	Serf1	1.41E-20	0.983854705
ENSMUSG00000052160	Pld4	0.011615243	0.983354291
ENSMUSG00000116258	AC124353.2	0.011615243	0.983354291
ENSMUSG00000043388	Tmem130	1.74E-05	0.982973963
ENSMUSG00000026494	Kif26b	3.06E-58	0.98279611
ENSMUSG00000042116	Vwa1	0.019698956	0.980118171
ENSMUSG00000063687	Pcdhb5	1.20E-08	0.977704629
ENSMUSG00000040254	Sema3d	5.14E-61	0.975710627
ENSMUSG00000047945	Marcksl1	6.73E-36	0.974530428
ENSMUSG00000049092	Gpr137c	0.014799119	0.972168703
ENSMUSG00000027533	Fabp5	3.50E-32	0.97185528
ENSMUSG00000079442	St6galnac4	3.18E-08	0.96688384
ENSMUSG00000043498	9330132A10Rik	3.37E-17	0.965180909
ENSMUSG00000071636	Rimbp3	0.022823194	0.9630877
ENSMUSG00000042978	Sbk1	5.13E-13	0.961817567
ENSMUSG00000038587	Akap12	1.31E-07	0.961237931
ENSMUSG00000029868	Trpv6	0.000756719	0.960286312
ENSMUSG00000031340	Gabre	0.024381549	0.956564599
ENSMUSG00000044576	Garem2	0.022717397	0.955492892
ENSMUSG00000048537	Phldb1	1.46E-11	0.952966328
ENSMUSG00000035105	Egln3	0.00219946	0.951717859
ENSMUSG00000005958	Ephb3	4.81E-40	0.951074204
ENSMUSG0000003863	Ppfia3	4.02E-06	0.95048397
ENSMUSG00000073514	Dok6	3.08E-11	0.947111242
ENSMUSG00000031530	Dusp4	0.006207545	0.946607058
ENSMUSG00000041895	Wipi1	1.24E-08	0.945885375
ENSMUSG00000029648	Flt1	0.004371187	0.942731293
ENSMUSG00000022346	Myc	0.036383475	0.939091723
ENSMUSG00000027827	Kcnab1	7.25E-58	0.938044968
ENSMUSG00000037624	Kcnk2	1.26E-05	0.937356083
ENSMUSG00000040836	Gpr161	1.13E-14	0.936438739
ENSMUSG00000037211	Spry1	7.10E-05	0.933887612
ENSMUSG00000020866	Cacna1g	0.000570242	0.93325896
ENSMUSG00000030796	Tead2	3.26E-25	0.932593497
ENSMUSG00000030207	Fam234b	4.76E-22	0.930810787
ENSMUSG00000050530	Fam171a1	3.47E-16	0.930289442
ENSMUSG00000017697	Ada	2.64E-08	0.930093129
ENSMUSG00000038807	Rap1gap2	0.000520218	0.929911436
ENSMUSG00000097449	Prkcg	0.033582452	0.925661591

ENSMUSG00000062661	Ncs1	2.83E-19	0.92467125
ENSMUSG00000061436	Hipk2	2.36E-33	0.92169385
ENSMUSG00000038295	Atg9b	0.00679886	0.919142204
ENSMUSG00000000957	Mmp14	1.98E-25	0.918692098
ENSMUSG00000070524	Fcrlb	3.78E-19	0.915047108
ENSMUSG00000022817	Itgb5	1.99E-27	0.911395248
ENSMUSG00000046169	Adamts6	0.005790349	0.911199578
ENSMUSG00000029174	Tbc1d1	7.42E-07	0.910392997
ENSMUSG00000055761	Nkain3	1.62E-10	0.910015267
ENSMUSG00000053930	Shisa6	8.43E-19	0.90946356
ENSMUSG00000045136	Tubb2b	7.46E-10	0.90676554
ENSMUSG00000024803	Ankrd1	0.000360645	0.903326336
ENSMUSG00000044362	Ccdc89	0.001664274	0.900247831
ENSMUSG00000000489	Pdgfb	6.46E-07	0.900175747
ENSMUSG00000028445	Enho	2.50E-05	0.899892008
ENSMUSG00000022844	Pdia5	2.10E-18	0.896073921
ENSMUSG00000032796	Lama1	2.68E-52	0.89029562
ENSMUSG00000114635	CT010498.2	0.043316914	0.88731583
ENSMUSG00000069094	Pde7a	0.004661296	0.881809181
ENSMUSG00000045545	Krt14	0.017350017	0.878512853
ENSMUSG00000057706	Mex3b	3.53E-16	0.878161195
ENSMUSG00000033192	Lpcat2	1.34E-28	0.875279431
ENSMUSG00000038508	Gdf15	9.00E-09	0.867148439
ENSMUSG00000038623	Tm6sf1	0.005344465	0.863891841
ENSMUSG00000062646	Ganc	3.32E-06	0.861736964
ENSMUSG00000023830	Igf2r	0.001267259	0.86130633
ENSMUSG00000004562	Arhgef40	1.34E-06	0.860325061
ENSMUSG00000068923	Syt11	1.51E-12	0.857221937
ENSMUSG00000029163	Emilin1	0.025439323	0.856737267
ENSMUSG00000031990	Jam3	1.02E-07	0.855988374
ENSMUSG00000074676	Foxs1	1.22E-15	0.8554347
ENSMUSG00000021066	Atl1	0.00015339	0.852734469
ENSMUSG00000051515	Fam181b	5.79E-08	0.852445906
ENSMUSG00000113473	Gm7045	0.046071897	0.849694522
ENSMUSG00000040118	Cacna2d1	7.23E-09	0.849456013
ENSMUSG00000026208	Des	0.025804064	0.846339104
ENSMUSG00000032724	Abtb2	1.21E-11	0.845634181
ENSMUSG00000037031	Tspan15	0.002336253	0.842161445
ENSMUSG00000030562	Nox4	0.001803278	0.837873217
ENSMUSG00000030170	Wnt5b	0.00025059	0.837270406
ENSMUSG00000111063	Zkscan7	0.004319886	0.837211705
ENSMUSG00000039089	L3mbtl3	2.30E-11	0.836568869
ENSMUSG00000030089	Slc41a3	5.13E-13	0.836521837
ENSMUSG00000012819	Cdh23	0.01241772	0.83623838
ENSMUSG0000001435	Col18a1	0.002123029	0.835509491
ENSMUSG00000019146	Cacng2	0.02980561	0.833470875
ENSMUSG00000037419	Endod1	0.002073257	0.83240472

ENSMUSG00000035547	Capn5	0.004132196	0.827237148
ENSMUSG00000062488	Ifit3b	0.016624664	0.826968956
ENSMUSG00000029860	Zyx	0.001099378	0.826335284
ENSMUSG00000050271	Prag1	0.009022717	0.825898406
ENSMUSG0000007594	Hapln4	7.10E-05	0.824207312
ENSMUSG00000027298	Tyro3	3.34E-05	0.823810602
ENSMUSG00000050855	Zfp940	0.000258778	0.823245939
ENSMUSG00000031972	Acta1	0.034299291	0.822122399
ENSMUSG00000019817	Plagl1	2.49E-12	0.819783663
ENSMUSG00000028789	Azin2	1.94E-05	0.819310011
ENSMUSG00000037428	Vgf	0.028018126	0.81779626
ENSMUSG00000024052	Lpin2	1.08E-12	0.817263705
ENSMUSG00000053846	Lipg	0.001617841	0.816757834
ENSMUSG00000026042	Col5a2	2.09E-42	0.81451016
ENSMUSG00000035456	Prdm8	1.56E-05	0.813372442
ENSMUSG00000024940	Ltbp3	1.40E-32	0.812861414
ENSMUSG00000033233	Trim45	5.90E-08	0.812665236
ENSMUSG00000041774	Ydjc	0.007096006	0.809621237
ENSMUSG00000026688	Mgst3	4.41E-05	0.808227369
ENSMUSG00000026204	Ptprn	9.00E-09	0.807819545
ENSMUSG00000022679	Mpv17l	1.25E-05	0.807779433
ENSMUSG00000035107	Dcbld2	2.21E-39	0.807405984
ENSMUSG00000022297	Fzd6	7.12E-16	0.803054359
ENSMUSG00000107137	Fzd6	7.12E-16	0.803054359
ENSMUSG00000020836	Coro6	0.010129755	0.800549147
ENSMUSG00000047181	Samd14	5.24E-17	0.79802175
ENSMUSG00000046223	Plaur	0.002107779	0.796464222
ENSMUSG00000006205	Htra1	1.77E-20	0.79516071
ENSMUSG00000039286	Fndc3b	5.59E-08	0.794964204
ENSMUSG00000000555	Itga5	6.25E-06	0.794009909
ENSMUSG00000050730	Arhgap42	0.010066825	0.793849872
ENSMUSG00000020785	Camkk1	0.036262724	0.793264361
ENSMUSG00000030084	Plxna1	1.75E-08	0.791914253
ENSMUSG00000036564	Ndrp4	1.44E-06	0.791071032
ENSMUSG00000026437	Cdk18	0.014054896	0.787776839
ENSMUSG00000025140	Pycr1	0.002197567	0.786791135
ENSMUSG00000056214	Pard6g	5.44E-10	0.785887463
ENSMUSG00000026556	Vangl2	7.94E-09	0.785850692
ENSMUSG00000030468	Siglecg	0.034872321	0.784623284
ENSMUSG00000057880	Abat	1.60E-16	0.783197206
ENSMUSG00000041889	Shisa4	1.25E-28	0.782436119
ENSMUSG00000020357	Flt4	0.030146322	0.77703592
ENSMUSG00000021573	Tppp	0.000695539	0.775876388
ENSMUSG00000032265	Fam46a	0.003174805	0.775467914
ENSMUSG00000048482	Bdnf	6.20E-07	0.774386855
ENSMUSG00000019960	Dusp6	1.46E-26	0.773345714
ENSMUSG00000028919	Arhgef19	0.043118355	0.769923886

ENSMUSG00000035835	Plppr3	0.000356167	0.76872201
ENSMUSG00000034910	Pygo1	3.51E-06	0.768117689
ENSMUSG00000001985	Grik3	0.002291239	0.767606892
ENSMUSG00000008090	Fgfr1	3.92E-33	0.766576601
ENSMUSG00000069892	9930111J21Rik2	5.83E-32	0.765092537
ENSMUSG00000041773	Enc1	1.11E-05	0.764106209
ENSMUSG00000034675	Dbn1	4.81E-40	0.762622102
ENSMUSG00000027536	Chmp4c	1.52E-16	0.762427594
ENSMUSG00000072235	Tuba1a	1.55E-11	0.760874726
ENSMUSG00000031149	Praf2	2.52E-18	0.760692752
ENSMUSG00000020601	Trib2	5.07E-07	0.760553205
ENSMUSG00000042215	Bag2	4.72E-07	0.7601237
ENSMUSG00000079598	Clec2l	0.001124603	0.758420356
ENSMUSG00000030657	Xylt1	0.002547192	0.756237702
ENSMUSG00000028641	P3h1	7.04E-24	0.756171273
ENSMUSG00000024014	Pim1	8.09E-39	0.755174523
ENSMUSG00000035914	Cd276	1.23E-19	0.753698157
ENSMUSG00000032640	Chsy1	2.31E-14	0.753636713
ENSMUSG00000091639	Gm3756	0.003864991	0.753509927
ENSMUSG00000042842	Serpinb6b	2.71E-11	0.749930457
ENSMUSG00000026435	Slc45a3	5.41E-05	0.749887637
ENSMUSG00000058360	Gm10040	0.013083795	0.749541676
ENSMUSG00000057963	Itpk1	5.57E-11	0.748642883
ENSMUSG00000031480	Thsd1	0.000147613	0.748450948
ENSMUSG00000021403	Serpinb9b	9.58E-05	0.748145209
ENSMUSG00000004085	Map3k20	1.07E-05	0.747459944
ENSMUSG00000057060	Slc35f3	0.026183405	0.745914663
ENSMUSG00000035916	Ptprq	1.09E-20	0.744324946
ENSMUSG00000022096	Hr	7.77E-09	0.744036458
ENSMUSG00000025809	Itgb1	8.16E-26	0.742157883
ENSMUSG00000032375	Aph1b	2.68E-06	0.741730428
ENSMUSG00000071379	Hpcal1	2.56E-12	0.741082176
ENSMUSG00000021260	Hhip1	0.002597612	0.738360956
ENSMUSG00000007379	Dennd2c	0.002328092	0.737097711
ENSMUSG00000006651	Aplp1	1.32E-16	0.736921141
ENSMUSG00000069662	Marcks	7.31E-29	0.73660247
ENSMUSG00000030162	Olr1	0.009005357	0.733561569
ENSMUSG00000095649	Gm8979	0.039465024	0.733252405
ENSMUSG00000026463	Atp2b4	1.37E-05	0.731429313
ENSMUSG00000008398	Elk3	1.51E-13	0.728943415
ENSMUSG00000028076	Cd1d1	4.75E-06	0.728469253
ENSMUSG00000091898	Tnnc1	0.034877332	0.727059537
ENSMUSG00000070565	Rasal2	2.10E-10	0.727035323
ENSMUSG00000023067	Cdkn1a	1.54E-05	0.722354247
ENSMUSG00000054640	Slc8a1	4.23E-10	0.721819807
ENSMUSG00000066406	Akap13	3.14E-06	0.721034443
ENSMUSG00000020592	Sdc1	4.96E-24	0.720951961

ENSMUSG00000007216	Zfp775	0.001412146	0.720889992
ENSMUSG00000079334	Nat6	2.82E-11	0.720372362
ENSMUSG00000102543	Pcdhgc5	0.035556801	0.720106734
ENSMUSG00000042515	Mum1l1	0.000227543	0.719703303
ENSMUSG00000028246	Faxc	0.011242802	0.719006223
ENSMUSG00000023809	Rps6ka2	4.31E-13	0.718800089
ENSMUSG00000022206	Npr3	4.20E-08	0.71676373
ENSMUSG00000030401	Rtn2	9.96E-07	0.715306204
ENSMUSG00000014837	4931428F04Rik	0.00248344	0.715058249
ENSMUSG00000044548	Dact1	0.000255623	0.7141502
ENSMUSG00000078716	Tmem8b	0.001100829	0.714059047
ENSMUSG00000025068	Gsto1	0.002477976	0.713951398
ENSMUSG00000028086	Fbxw7	0.000479621	0.711810338
ENSMUSG00000109087	Gm45105	0.044790925	0.710614195
ENSMUSG00000060771	Tsga10	0.002511013	0.7102545
ENSMUSG00000030096	Slc6a6	1.48E-10	0.707657124
ENSMUSG00000030956	Fam53b	3.67E-05	0.706858789
ENSMUSG00000070639	Lrrc8b	8.70E-17	0.705144769
ENSMUSG00000028793	Rnf19b	8.08E-05	0.70468949
ENSMUSG00000037108	Zcwpw1	0.02572778	0.703965994
ENSMUSG00000006179	Prss16	0.024069434	0.703333445
ENSMUSG00000063605	Ccdc102a	4.27E-05	0.70232144
ENSMUSG00000003541	Ier3	1.70E-05	0.70193951
ENSMUSG00000023150	Ivns1abp	0.001849401	0.701514717
ENSMUSG00000066607	6030419C18Rik	3.41E-36	0.700168003
ENSMUSG00000030774	Pak1	8.54E-07	0.700116324
ENSMUSG00000044229	Nxpe4	4.65E-07	0.699842154
ENSMUSG00000052727	Map1b	4.20E-05	0.699796352
ENSMUSG00000043439	Epop	6.53E-14	0.698644954
ENSMUSG00000074121	Ntf5	1.08E-09	0.698105825
ENSMUSG00000028883	Sema3a	1.52E-19	0.697702999
ENSMUSG00000054469	Lclat1	8.90E-13	0.693568558
ENSMUSG00000024109	Nrxn1	0.048498107	0.692347599
ENSMUSG00000072623	Zfp9	0.000466934	0.692335744
ENSMUSG00000049999	Ppp1r3d	5.24E-10	0.691456034
ENSMUSG00000023915	Tnfrsf21	1.47E-15	0.690132153
ENSMUSG00000025340	Rabgef1	2.22E-19	0.688762308
ENSMUSG00000036052	Dnaja5	5.40E-08	0.688017992
ENSMUSG00000054675	Tmem119	0.021297817	0.688015059
ENSMUSG00000039328	Rnf122	7.03E-05	0.687019646
ENSMUSG00000020941	Map3k14	0.00080532	0.685180467
ENSMUSG00000030411	Nova2	0.01718639	0.684487939
ENSMUSG00000036902	Neto2	2.36E-08	0.684247477
ENSMUSG00000054893	Zfp667	0.000176729	0.683550908
ENSMUSG00000023411	Nfatc4	0.000596945	0.68285196
ENSMUSG00000032115	Hyou1	2.17E-17	0.681260988
ENSMUSG00000056888	Glipr1	0.000312367	0.679779486

ENSMUSG00000071547	Nt5dc2	0.002329893	0.678416708
ENSMUSG00000033960	Jcad	0.004303852	0.678369346
ENSMUSG00000024548	Setbp1	5.69E-10	0.677002374
ENSMUSG00000028047	Thbs3	0.040168247	0.676307521
ENSMUSG00000025912	Mybl1	0.000331175	0.675887382
ENSMUSG00000020262	Adarb1	8.83E-05	0.672115521
ENSMUSG0000001227	Sema6b	0.037977419	0.671367864
ENSMUSG00000026796	Fam129b	0.00852395	0.671314707
ENSMUSG00000030208	Emp1	0.000974327	0.669046239
ENSMUSG00000047638	Nr1h4	0.007011408	0.668965954
ENSMUSG00000085795	Zfp703	1.63E-24	0.667316881
ENSMUSG00000032085	Tagln	5.79E-05	0.667109238
ENSMUSG00000066258	Trim12a	0.045552908	0.666500161
ENSMUSG00000115661	AC169038.1	0.004076985	0.66590652
ENSMUSG00000036368	Rmdn2	1.70E-07	0.665883902
ENSMUSG00000032415	Ube2cbp	0.005847266	0.665479905
ENSMUSG00000026566	Mpzl1	1.74E-14	0.66507673
ENSMUSG00000040721	Zfhx2	8.06E-06	0.664253728
ENSMUSG00000026930	Gpsm1	3.89E-08	0.662702437
ENSMUSG00000070802	Pnmal2	0.002888965	0.661383607
ENSMUSG00000048264	Dip2c	1.50E-05	0.660678579
ENSMUSG00000015745	Plekho1	7.82E-18	0.660443223
ENSMUSG00000012609	Ttll5	7.67E-11	0.660370977
ENSMUSG00000050192	Eif5a2	8.46E-12	0.659883173
ENSMUSG00000026639	Lamb3	0.040763876	0.659695892
ENSMUSG00000027087	Itgav	3.07E-07	0.658955637
ENSMUSG00000025268	Maged2	1.68E-17	0.657685861
ENSMUSG00000041235	Chd7	0.002233448	0.656634759
ENSMUSG00000026207	Speg	1.21E-09	0.656374261
ENSMUSG00000049881	2810025M15Rik	4.51E-05	0.655809614
ENSMUSG00000038871	Bpgm	1.08E-07	0.655743144
ENSMUSG00000042659	Arrdc4	0.001563592	0.654963818
ENSMUSG00000040690	Col16a1	1.15E-06	0.652637365
ENSMUSG00000052364	B630019K06Rik	4.36E-09	0.651861037
ENSMUSG00000030753	Thap12	2.76E-06	0.650876075
ENSMUSG00000029761	Cald1	2.99E-27	0.650720912
ENSMUSG00000020668	Kif3c	2.31E-11	0.650138255
ENSMUSG00000044566	Cage1	0.016213587	0.649189314
ENSMUSG00000048647	Exd1	0.000124158	0.64856216
ENSMUSG00000015143	Actn1	3.21E-05	0.64848799
ENSMUSG00000059674	Cdh24	5.31E-08	0.648164438
ENSMUSG00000072066	6720489N17Rik	6.56E-05	0.647626171
ENSMUSG00000038463	Olfml2b	3.95E-32	0.647080575
ENSMUSG00000051950	B3glct	0.006840415	0.647020951
ENSMUSG00000030643	Rab30	0.002476521	0.646630035
ENSMUSG00000033722	BC034090	0.03406876	0.646228886
ENSMUSG00000036139	Hoxc9	1.43E-17	0.644904382

ENSMUSG00000028364	Tnc	0.002547499	0.644451647
ENSMUSG00000022607	Ptk2	0.000351111	0.643659083
ENSMUSG00000031119	Gpc4	3.32E-32	0.642916142
ENSMUSG00000015222	Map2	0.000493529	0.642707044
ENSMUSG00000110105	Gm45844	0.047348688	0.641501808
ENSMUSG00000050288	Fzd2	1.26E-18	0.640832603
ENSMUSG00000034173	Zbed5	0.011625604	0.640748233
ENSMUSG00000062127	Cttnbp2nl	1.33E-12	0.640110839
ENSMUSG00000058498	Rnf207	0.035900597	0.639151184
ENSMUSG00000044968	Napepld	1.03E-12	0.638975312
ENSMUSG00000073987	Ggh	6.78E-09	0.637415611
ENSMUSG00000010047	Hyal2	2.54E-10	0.636431269
ENSMUSG00000049670	Morn4	8.56E-08	0.635377702
ENSMUSG00000007039	Ddah2	5.31E-19	0.635044308
ENSMUSG00000002289	Angptl4	2.39E-14	0.634913668
ENSMUSG00000016918	Sulf1	2.12E-17	0.634885408
ENSMUSG00000033256	Shf	0.000452449	0.634391145
ENSMUSG000000051457	Spn	0.000258778	0.633476262
ENSMUSG00000028266	Lmo4	2.78E-31	0.633017381
ENSMUSG00000034685	Fam171a2	3.11E-06	0.632025928
ENSMUSG00000047821	Trim16	3.04E-05	0.631825436
ENSMUSG00000051615	Rap2a	7.42E-31	0.631289629
ENSMUSG00000059811	Atl2	5.26E-30	0.631272106
ENSMUSG00000040699	Limd2	2.65E-15	0.631004954
ENSMUSG00000003992	Ssbp2	4.26E-24	0.630689166
ENSMUSG00000014786	Slc9a5	5.08E-05	0.630261671
ENSMUSG00000019951	Uhrf1bp1l	4.88E-11	0.62960282
ENSMUSG00000020123	Avpr1a	0.013749911	0.628506049
ENSMUSG00000078532	Nkain1	1.63E-05	0.627606067
ENSMUSG00000025907	Rb1cc1	1.73E-15	0.627449176
ENSMUSG00000019948	Actr6	1.83E-06	0.627329095
ENSMUSG00000020900	Myh10	0.000878948	0.626782822
ENSMUSG00000028040	Efna4	1.74E-10	0.626729777
ENSMUSG00000037408	Cnm4	0.001858544	0.625782929
ENSMUSG00000031207	Msn	2.45E-11	0.625417365
ENSMUSG00000026433	Rab29	2.26E-08	0.620311273
ENSMUSG00000048240	Gng7	0.001246329	0.617970024
ENSMUSG00000035692	Isg15	0.001619381	0.617830683
ENSMUSG00000036667	Tcaf1	7.55E-12	0.617403087
ENSMUSG00000028630	Dyrk2	2.56E-05	0.61726423
ENSMUSG00000050503	Fbxl22	4.68E-05	0.616578928
ENSMUSG00000026627	Tmem206	6.78E-11	0.615749572
ENSMUSG00000013611	Snx31	3.34E-06	0.615648775
ENSMUSG00000045062	Pcdhb7	2.68E-05	0.615321143
ENSMUSG00000026447	Pik3c2b	0.015918353	0.613810887
ENSMUSG00000001555	Fkbp10	2.20E-08	0.613465692
ENSMUSG00000004508	Gab2	1.49E-11	0.612867673

ENSMUSG00000037138	Aff3	0.036635413	0.61157488
ENSMUSG00000041343	Ankrd42	1.00E-05	0.611447803
ENSMUSG00000022537	Tmem44	0.001101092	0.609372795
ENSMUSG00000046841	Ckap4	8.10E-06	0.608273831
ENSMUSG00000054720	Lrrc8c	0.002046545	0.607485252
ENSMUSG00000053617	Sh3pxd2a	1.62E-28	0.607191399
ENSMUSG00000055980	Irs1	0.006881259	0.606952064
ENSMUSG00000028926	Cdk14	1.47E-15	0.60567854
ENSMUSG00000103677	Pcdhga4	0.012003304	0.604823959
ENSMUSG00000030835	Nomo1	2.24E-21	0.604713363
ENSMUSG00000111619	Gm48348	0.010305386	0.604346046
ENSMUSG00000029207	Apbb2	4.59E-08	0.601939676
ENSMUSG00000007207	Stx1a	0.026807257	0.600429262
ENSMUSG00000048644	Ctxn1	7.74E-11	0.600347277
ENSMUSG00000025969	Nrp2	1.15E-10	0.599404205
ENSMUSG00000021180	Rps6ka5	3.23E-08	0.599122899
ENSMUSG00000033149	Phldb2	4.27E-19	0.598976398
ENSMUSG00000020029	Nudt4	1.05E-27	0.598298836
ENSMUSG00000040711	Sh3pxd2b	1.41E-26	0.597685792
ENSMUSG00000065979	Cpped1	9.60E-24	0.596894476
ENSMUSG00000061603	Akap6	0.029518718	0.596087108
ENSMUSG00000085642	3110053B16Rik	0.001870719	0.596084385
ENSMUSG00000064141	Zfp69	0.023311578	0.595559523
ENSMUSG00000024043	Arhgap28	0.00675244	0.59524663
ENSMUSG00000038402	Foxf2	0.000783745	0.594834835
ENSMUSG00000071855	Ccdc112	4.43E-06	0.593531067
ENSMUSG00000046879	Irgm1	5.54E-27	0.59304194
ENSMUSG00000024420	Zfp521	1.59E-15	0.592496147
ENSMUSG00000026274	Pask	0.001609336	0.591985668
ENSMUSG00000030095	Tmem43	9.87E-05	0.591233481
ENSMUSG00000029672	Fam3c	2.28E-18	0.590337581
ENSMUSG00000020649	Rrm2	0.00631163	0.590318539
ENSMUSG00000030782	Tgfb1i1	0.000109699	0.590233173
ENSMUSG00000032334	Loxl1	4.51E-26	0.590231627
ENSMUSG00000019891	Dcbld1	5.46E-10	0.58976223
ENSMUSG00000025289	Prdx4	1.36E-26	0.58970646
ENSMUSG00000026748	Plxdc2	6.76E-15	0.589627965
ENSMUSG00000079444	Gm21981	0.017506518	0.589116865
ENSMUSG00000114025	AC154636.2	0.030818068	0.587249118
ENSMUSG00000019986	Ahi1	8.52E-10	0.586696003
ENSMUSG00000035314	Gdpd5	0.000760071	0.585075403
ENSMUSG00000019055	Plod1	4.69E-11	0.584592186
ENSMUSG00000019189	Rnf145	1.60E-10	0.584190634
ENSMUSG00000029552	Tes	1.15E-23	0.583477913
ENSMUSG00000051486	Pcdhb11	0.043240845	0.583125716
ENSMUSG00000012396	Nanog	0.006315653	0.582167189
ENSMUSG00000025157	Zdhhc16	1.56E-05	0.580835083

ENSMUSG00000024063	Lbh	7.85E-21	0.579880034
ENSMUSG00000042364	Snx18	0.000261656	0.579465198
ENSMUSG00000027799	Nbea	3.41E-23	0.577659092
ENSMUSG00000041491	Cep78	1.26E-09	0.577532947
ENSMUSG00000039137	Whrn	0.02113886	0.577371916
ENSMUSG00000078794	Dact3	0.004582558	0.577031836
ENSMUSG00000033209	Ttc28	9.59E-07	0.57566196
ENSMUSG00000019979	Apaf1	2.59E-07	0.574724957
ENSMUSG00000036106	Prr5	9.92E-06	0.574039369
ENSMUSG00000028007	Snx7	1.73E-07	0.573480235
ENSMUSG00000031375	Bgn	3.59E-15	0.573345856
ENSMUSG00000026131	Dst	3.92E-10	0.572357458
ENSMUSG00000034525	Ice1	1.05E-05	0.572278594
ENSMUSG00000041957	Pkp2	1.82E-09	0.571776468
ENSMUSG00000032035	Ets1	0.000253977	0.571580425
ENSMUSG00000057234	Mettl15	0.002099812	0.570588713
ENSMUSG00000015133	Lrrk1	0.000264926	0.569654614
ENSMUSG00000053004	Hrh1	0.00176876	0.569267618
ENSMUSG00000020986	Sec23a	9.65E-09	0.56874818
ENSMUSG00000025278	Flnb	0.008214712	0.568268311
ENSMUSG00000033436	Armcx2	1.39E-24	0.567451743
ENSMUSG00000045211	Nudt18	4.14E-05	0.566830255
ENSMUSG00000020108	Ddit4	4.27E-19	0.566361051
ENSMUSG0000002068	Ccne1	6.43E-06	0.565203786
ENSMUSG00000029376	Mthfd2l	3.71E-05	0.564454431
ENSMUSG00000029821	Gsdme	0.002814612	0.564431041
ENSMUSG00000036565	Ttyh3	6.84E-17	0.563600106
ENSMUSG00000028848	Gpn2	2.32E-06	0.563497879
ENSMUSG00000028456	Unc13b	6.05E-14	0.562892718
ENSMUSG00000039693	Msantd3	0.007887657	0.562694076
ENSMUSG00000027669	Gnb4	0.000395802	0.562533092
ENSMUSG00000039735	Fnbp1l	5.81E-22	0.562512311
ENSMUSG00000053137	Mapk11	0.000973589	0.561630038
ENSMUSG00000063146	Clip2	9.10E-09	0.559272606
ENSMUSG00000028763	Hspg2	3.13E-17	0.558271178
ENSMUSG00000038074	Fkbp14	9.38E-06	0.55803061
ENSMUSG00000023272	Creld2	4.83E-21	0.5579392
ENSMUSG00000014932	Yes1	1.42E-13	0.55753566
ENSMUSG00000040729	Cep126	0.002455285	0.557351292
ENSMUSG00000070476	Fam217b	0.007333832	0.556971888
ENSMUSG00000068270	Shroom4	6.84E-05	0.556854336
ENSMUSG00000032656	03-Mar	9.20E-08	0.554610747
ENSMUSG00000029101	Rgs12	8.47E-07	0.55418043
ENSMUSG00000029381	Shroom3	1.23E-06	0.552730914
ENSMUSG00000036390	Gadd45a	0.003745069	0.551742406
ENSMUSG0000004317	Clcn5	3.18E-17	0.551573867
ENSMUSG00000021493	Pdlim7	3.26E-21	0.550907209

ENSMUSG00000001700	Gramd3	7.41E-06	0.549291955
ENSMUSG00000079173	Zan	0.033074732	0.549147827
ENSMUSG00000028389	Zfp37	0.001017787	0.547776494
ENSMUSG00000005357	Slc1a6	6.12E-06	0.547704092
ENSMUSG00000034205	Loxl2	1.21E-06	0.546647436
ENSMUSG00000066043	Phactr4	0.019538117	0.545684479
ENSMUSG00000037852	Cpe	9.92E-07	0.545532062
ENSMUSG00000024232	Bambi	0.027412821	0.545132997
ENSMUSG00000066894	Vsig10	0.002885394	0.544213249
ENSMUSG00000025867	Cplx2	0.000741571	0.544034105
ENSMUSG00000039942	Ptger4	0.015725475	0.543912805
ENSMUSG00000020230	Prmt2	6.15E-14	0.543794267
ENSMUSG00000028643	Svbp	1.29E-08	0.543785189
ENSMUSG00000048965	Mrgpre	0.000525789	0.542956417
ENSMUSG00000079523	Tmsb10	5.56E-21	0.542779314
ENSMUSG00000032440	Tgfbr2	0.000459547	0.541960133
ENSMUSG00000032374	Plod2	2.67E-06	0.541722955
ENSMUSG00000024533	Spire1	1.84E-05	0.540594988
ENSMUSG00000056486	Chn1	3.32E-05	0.540544954
ENSMUSG00000025666	Tmem47	0.01505835	0.540347537
ENSMUSG00000035372	1810055G02Rik	5.60E-05	0.538615136
ENSMUSG00000040258	Nxph4	0.001359865	0.537606247
ENSMUSG00000047996	Prrg1	0.001283773	0.536629536
ENSMUSG00000037440	Vnn1	0.001688321	0.536129857
ENSMUSG00000037855	Zfp365	0.000425135	0.536081598
ENSMUSG00000020361	Hspa4	5.92E-19	0.534728533
ENSMUSG00000037032	Apbb1	1.13E-06	0.534666651
ENSMUSG00000074634	Tmem267	2.55E-06	0.533917576
ENSMUSG00000037306	Man1c1	1.26E-11	0.533812326
ENSMUSG00000030761	Myo7a	0.000906984	0.532927778
ENSMUSG00000037697	Dhd1	0.006288126	0.53253803
ENSMUSG00000026193	Fn1	1.21E-14	0.53252898
ENSMUSG00000029710	Ephb4	7.80E-18	0.532433654
ENSMUSG00000041936	Agrn	0.001505466	0.53202993
ENSMUSG00000049536	Tceal1	0.026916925	0.531459372
ENSMUSG00000025352	Gdf11	2.00E-16	0.531374269
ENSMUSG00000009246	Trpm5	0.000433777	0.531265154
ENSMUSG00000029869	Ephb6	0.000564983	0.531240578
ENSMUSG00000030554	Sym	0.000512169	0.530685563
ENSMUSG00000026827	Gpd2	6.09E-07	0.530439138
ENSMUSG00000042331	Specc1	1.03E-11	0.530046179
ENSMUSG00000036672	Cenpt	1.57E-06	0.52931952
ENSMUSG00000017386	Traf4	3.85E-08	0.528486255
ENSMUSG00000028018	Gstcd	0.00055027	0.528437141
ENSMUSG00000029781	Fkbp9	8.78E-22	0.527071341
ENSMUSG00000034595	Ppp1r18	1.92E-06	0.526186898
ENSMUSG00000034109	Golim4	9.57E-16	0.525111868

ENSMUSG00000024777	Ppp2r5b	0.000236265	0.525111039
ENSMUSG00000107330	Ppp2r5b	0.000236265	0.525111039
ENSMUSG00000047307	Pcdhb13	0.002188717	0.524551417
ENSMUSG00000049184	Purg	4.99E-06	0.523111292
ENSMUSG00000050064	Zfp697	1.33E-11	0.52303991
ENSMUSG00000004665	Cnn2	2.05E-05	0.5222186
ENSMUSG00000048997	Atxn7l2	0.008528937	0.52212129
ENSMUSG00000044367	Slc16a13	1.74E-05	0.522062739
ENSMUSG00000041420	Meis3	8.07E-06	0.52127308
ENSMUSG00000027737	Slc7a11	3.98E-05	0.520610583
ENSMUSG00000024937	Ehbp1l1	0.046428321	0.519882475
ENSMUSG00000044583	Tlr7	1.16E-08	0.519359016
ENSMUSG00000021068	Nin	3.12E-05	0.518832828
ENSMUSG00000041958	Pigs	5.24E-19	0.518632128
ENSMUSG00000025507	Pidd1	0.007109576	0.518325484
ENSMUSG00000041298	Katnal1	3.45E-07	0.518215196
ENSMUSG00000036306	Lzts1	0.035751835	0.518124146
ENSMUSG00000064181	Rab3ip	1.41E-10	0.516961415
ENSMUSG00000030536	Iqgap1	2.70E-06	0.516846395
ENSMUSG00000038349	Plcl1	6.84E-11	0.512817899
ENSMUSG00000114455	Gm48797	0.016707383	0.512721754
ENSMUSG00000035735	Dagla	8.40E-06	0.512460759
ENSMUSG00000020099	Unc5b	1.63E-06	0.512270339
ENSMUSG00000033102	Cdc14b	6.02E-09	0.510979616
ENSMUSG00000028226	Mmp16	1.93E-13	0.510907388
ENSMUSG00000039908	Slc26a11	6.52E-07	0.510239681
ENSMUSG00000032340	Neo1	1.10E-11	0.509538511
ENSMUSG00000062519	Zfp398	3.44E-08	0.509495501
ENSMUSG00000031885	Cbfb	3.14E-19	0.509374706
ENSMUSG00000030123	Plxnd1	0.00564515	0.508331465
ENSMUSG00000042807	Hecw2	0.00858598	0.508318152
ENSMUSG00000002771	Grin2d	0.046391358	0.508312696
ENSMUSG00000034152	Exoc3	2.02E-07	0.508051659
ENSMUSG00000022454	Nell2	0.032707351	0.507146314
ENSMUSG00000038059	Smim3	0.011891249	0.506354386
ENSMUSG00000040187	Arntl2	0.028130658	0.506169388
ENSMUSG00000010660	Plcd1	3.61E-06	0.505689973
ENSMUSG00000048807	Slc35e4	0.016770203	0.505249014
ENSMUSG00000014592	Camta1	0.029698266	0.502551165
ENSMUSG00000048200	Cracr2b	0.000886332	0.502129808
ENSMUSG00000032932	Hspa13	0.00011807	0.502016406
ENSMUSG00000021057	Akap5	0.000161646	0.500217047
ENSMUSG00000022197	Pdzd2	4.06E-06	0.49829143
ENSMUSG00000050957	Insl6	0.009362075	0.498028348
ENSMUSG0000002900	Lamb1	0.000651566	0.497774835
ENSMUSG00000027878	Notch2	4.18E-11	0.497441012
ENSMUSG00000015217	Hmgb3	1.32E-16	0.497203129

ENSMUSG00000039474	Wfs1	2.16E-11	0.496903374
ENSMUSG00000020048	Hsp90b1	1.07E-17	0.49666656
ENSMUSG00000044948	Cfap43	4.73E-16	0.496137812
ENSMUSG00000020814	Mxra7	5.89E-17	0.49579762
ENSMUSG00000022433	Csnk1e	5.42E-12	0.495636733
ENSMUSG00000019779	Frk	2.65E-07	0.494060335
ENSMUSG00000036957	Lfn3	0.000672775	0.493762345
ENSMUSG00000013974	Mcomp1	0.000126094	0.493672906
ENSMUSG00000027253	Lrp4	0.037772943	0.492944567
ENSMUSG00000076431	Sox4	1.38E-07	0.491824729
ENSMUSG00000021732	Fgf10	1.41E-06	0.491008706
ENSMUSG00000006720	Zfp184	0.000714067	0.490804028
ENSMUSG00000022440	C1qtnf6	0.015798231	0.489531077
ENSMUSG00000028041	Adam15	3.56E-08	0.48909114
ENSMUSG00000020089	Ppa1	0.029375637	0.488238705
ENSMUSG00000028776	Tinagl1	5.86E-10	0.488234741
ENSMUSG00000033697	Arhgap39	0.002538947	0.487242156
ENSMUSG00000028212	Ccne2	0.000226157	0.487065106
ENSMUSG00000030313	Dennd5b	5.33E-05	0.48696771
ENSMUSG00000024590	Lmn1	2.17E-07	0.486770739
ENSMUSG00000006445	Epha2	0.008546919	0.486000341
ENSMUSG00000022178	Ajuba	1.30E-07	0.485389924
ENSMUSG00000032470	Mras	8.16E-15	0.484065436
ENSMUSG00000075033	Nxpe3	0.000153288	0.483785724
ENSMUSG00000037541	Shank2	0.01365283	0.483639526
ENSMUSG00000027340	Slc23a2	0.008272165	0.483446486
ENSMUSG00000027985	Lef1	0.018563728	0.482545345
ENSMUSG00000014303	Glis2	4.09E-08	0.482415337
ENSMUSG00000059939	9430015G10Rik	0.012984877	0.482298921
ENSMUSG000000068114	Ccdc134	0.001756947	0.481717818
ENSMUSG00000037225	Fgf2	0.009825747	0.481479272
ENSMUSG00000047067	Dusp28	0.032109705	0.480507694
ENSMUSG00000024538	Ppic	6.37E-18	0.479587701
ENSMUSG00000028385	Snx30	0.04753498	0.479412416
ENSMUSG00000023066	Rtnn	3.34E-05	0.478501908
ENSMUSG00000103144	Pcdhga1	0.023768059	0.478064984
ENSMUSG000000052698	Tln2	0.004746316	0.477796749
ENSMUSG00000044864	Ankrd50	2.42E-09	0.477677137
ENSMUSG00000002844	Adprh	5.22E-11	0.477405629
ENSMUSG00000024769	Cdc42bpg	8.75E-06	0.476533472
ENSMUSG00000107268	Cdc42bpg	8.75E-06	0.476533472
ENSMUSG00000024087	Cyp1b1	0.010182978	0.476499459
ENSMUSG00000020520	Galnt10	5.86E-06	0.475510786
ENSMUSG000000009418	Nav1	3.28E-07	0.4754847
ENSMUSG00000025875	Tspan17	0.004110439	0.475061051
ENSMUSG00000006731	B4galnt1	0.039483971	0.472902236
ENSMUSG00000030403	Vasp	3.17E-07	0.472489252

ENSMUSG00000029570	Lfng	3.29E-05	0.472368179
ENSMUSG00000026470	Stx6	4.10E-05	0.470910316
ENSMUSG00000035062	Zc4h2	1.08E-07	0.470599874
ENSMUSG00000024174	Pot1b	0.000621795	0.469807064
ENSMUSG00000098835	AC182748.1	0.000621795	0.469807064
ENSMUSG00000034303	Ccdc15	0.00026747	0.469050938
ENSMUSG00000037972	Snn	1.05E-09	0.468087542
ENSMUSG00000016128	Stard13	0.00454552	0.467836344
ENSMUSG00000030811	Fbxl19	3.77E-07	0.467215761
ENSMUSG00000025234	Arih1	9.72E-05	0.466677234
ENSMUSG00000070047	Fat1	4.58E-07	0.466657364
ENSMUSG00000015341	Golga7	4.99E-05	0.466444179
ENSMUSG00000034055	Phka1	2.19E-06	0.465946749
ENSMUSG00000037820	Tgm2	0.000822814	0.465444026
ENSMUSG00000087141	Plcx2	0.035275616	0.465412309
ENSMUSG00000107770	Gm44126	0.00023451	0.46501041
ENSMUSG00000037722	Gnpnat1	0.006179052	0.464995356
ENSMUSG00000042460	C1galt1	1.19E-06	0.464790699
ENSMUSG00000022246	Rai14	6.27E-17	0.463887859
ENSMUSG00000022306	Zfpm2	2.29E-08	0.462867936
ENSMUSG00000036904	Fzd8	3.92E-08	0.462587788
ENSMUSG00000028078	Dclk2	0.033765064	0.461662705
ENSMUSG00000031024	St5	1.16E-08	0.461603399
ENSMUSG00000036968	Cnpy4	5.12E-08	0.460993742
ENSMUSG00000051242	Pcdhb9	0.037348607	0.460463454
ENSMUSG00000021277	Traf3	3.33E-11	0.460385317
ENSMUSG00000024773	Atg2a	4.05E-07	0.460305745
ENSMUSG00000106907	Atg2a	4.05E-07	0.460305745
ENSMUSG00000013236	Ptprs	9.03E-11	0.459930807
ENSMUSG00000029090	Adgra3	2.56E-11	0.459930482
ENSMUSG0000007989	Fzd3	0.003109914	0.459707714
ENSMUSG00000066235	Pomgnt2	0.001907845	0.459161126
ENSMUSG00000057530	Ece1	0.027343579	0.458691353
ENSMUSG00000021504	B4galt7	0.001103585	0.458420839
ENSMUSG00000052798	Nup107	0.029730804	0.458366209
ENSMUSG00000037386	Rims2	6.94E-05	0.458347066
ENSMUSG00000020737	Hn1	3.41E-15	0.45801468
ENSMUSG00000049470	Aff4	5.72E-08	0.458011486
ENSMUSG00000020553	Pctp	0.007692687	0.457428632
ENSMUSG00000019820	Utrn	2.90E-07	0.457192247
ENSMUSG00000031963	Bmper	1.07E-14	0.457056419
ENSMUSG00000037552	Plekhg2	2.22E-09	0.455983314
ENSMUSG00000045348	Nyap1	3.14E-05	0.455884761
ENSMUSG00000022637	Cblb	0.000240246	0.455197436
ENSMUSG00000019796	Lrp11	4.41E-07	0.454139079
ENSMUSG00000116377	AC156391.4	4.41E-07	0.454139079
ENSMUSG00000079037	Prnp	2.45E-16	0.454086764

ENSMUSG00000034930	Rtkn	0.016576027	0.453887357
ENSMUSG00000034731	Dgkh	0.024075581	0.452995745
ENSMUSG00000042138	Msantd2	0.008385609	0.452913497
ENSMUSG00000030530	Furin	0.001834755	0.452269171
ENSMUSG00000054792	Klhl18	6.84E-05	0.451731717
ENSMUSG00000020899	Pfas	0.020663434	0.451447291
ENSMUSG00000032109	Nlrx1	0.00039568	0.451370693
ENSMUSG00000035235	Trim13	0.003356439	0.451264943
ENSMUSG00000023191	P3h3	7.16E-08	0.45120648
ENSMUSG00000042506	Usp22	4.83E-08	0.450091053
ENSMUSG00000061119	Prcp	0.000176721	0.449411677
ENSMUSG00000041000	Trim62	1.42E-05	0.448661152
ENSMUSG00000033392	Clasp2	1.18E-05	0.44864407
ENSMUSG00000024687	Osbp	1.87E-15	0.447475982
ENSMUSG00000055737	Ghr	0.006331378	0.447068145
ENSMUSG00000031669	Gins3	0.001875128	0.446745027
ENSMUSG00000018570	2810408A11Rik	0.022628405	0.446020324
ENSMUSG00000038181	Chpf2	1.52E-09	0.445550878
ENSMUSG00000045636	Mtus1	2.97E-08	0.445016689
ENSMUSG00000073176	Zfp449	2.77E-06	0.444767948
ENSMUSG00000025934	Gsta3	0.00636647	0.4442462
ENSMUSG00000033623	Pcgf3	1.02E-06	0.444089102
ENSMUSG00000034807	Colgalt1	7.29E-15	0.443607901
ENSMUSG00000078185	Chml	0.000148487	0.443525417
ENSMUSG00000039004	Bmp6	1.23E-06	0.443163109
ENSMUSG00000040785	Ttc3	0.000331097	0.44276515
ENSMUSG00000039168	Dap	6.75E-05	0.441885184
ENSMUSG00000036599	Chst12	2.27E-08	0.441773056
ENSMUSG00000021733	Slc4a7	0.000179581	0.440461997
ENSMUSG00000090213	Tmem189	9.20E-11	0.440294962
ENSMUSG00000040268	Plekha1	0.000619337	0.440284199
ENSMUSG00000061062	Gm10093	1.27E-05	0.439932855
ENSMUSG00000037553	Zdhhc18	0.026834358	0.439897194
ENSMUSG00000000531	Grasp	0.017192472	0.439698885
ENSMUSG00000043019	Edem3	1.21E-13	0.437037471
ENSMUSG00000042216	Sgsm1	0.003809991	0.436751322
ENSMUSG00000096916	Zfp850	0.011702434	0.436358622
ENSMUSG00000021990	Spata13	5.38E-09	0.436357094
ENSMUSG00000004460	Dnajb11	5.68E-10	0.435923404
ENSMUSG00000021978	Extl3	1.43E-10	0.435842749
ENSMUSG00000027472	Pdrg1	3.25E-07	0.435666464
ENSMUSG00000047407	Tgif1	0.000553508	0.435491173
ENSMUSG00000079008	Gm14124	0.000136604	0.435056039
ENSMUSG00000036002	Fam214b	0.000451818	0.434555528
ENSMUSG00000074277	Phldb3	0.029698266	0.433033207
ENSMUSG00000038388	Mpp6	0.004264413	0.433007367
ENSMUSG00000017499	Cdc6	0.02990552	0.431802473

ENSMUSG00000004929	Thop1	0.007392492	0.431673497
ENSMUSG00000079317	Trappc2	2.46E-09	0.43136848
ENSMUSG00000034245	Hdac11	0.029641463	0.431267373
ENSMUSG00000075702	Selenom	6.17E-14	0.431072005
ENSMUSG00000024642	Tle4	7.55E-12	0.430781683
ENSMUSG00000028541	B4galt2	6.61E-06	0.430500743
ENSMUSG00000020876	Snx11	0.000176721	0.430315118
ENSMUSG00000038692	Hoxb4	6.77E-05	0.430247631
ENSMUSG00000002017	Fam98a	4.11E-06	0.430027352
ENSMUSG00000026471	Mr1	0.00040814	0.429606014
ENSMUSG000000052423	B4galt3	3.37E-07	0.428916584
ENSMUSG00000038936	Sccpdh	8.56E-09	0.42849174
ENSMUSG00000032220	Myo1e	3.96E-06	0.428355501
ENSMUSG00000044042	Fmn1	0.005560392	0.428149962
ENSMUSG000000052707	Tnrc6a	6.41E-07	0.427373642
ENSMUSG000000037907	Ankrd13b	9.26E-09	0.427325351
ENSMUSG00000022443	Myh9	0.004319886	0.427255532
ENSMUSG000000044447	Dock5	9.63E-09	0.426994104
ENSMUSG000000041189	Chrn1	2.30E-07	0.42606715
ENSMUSG000000078517	Emc1	1.84E-05	0.425448542
ENSMUSG000000037788	Vopp1	4.41E-12	0.425016875
ENSMUSG000000042197	Zfp451	3.85E-06	0.424469685
ENSMUSG000000032997	Chpf	4.21E-13	0.424429601
ENSMUSG000000026814	Eng	0.038409962	0.424377175
ENSMUSG000000058056	Palld	0.03051581	0.424333378
ENSMUSG000000056602	Fry	0.005344465	0.423537486
ENSMUSG000000021745	Ptprg	4.31E-07	0.423268742
ENSMUSG000000026864	Hspa5	1.01E-08	0.422912132
ENSMUSG000000049717	Lig4	3.84E-06	0.422669535
ENSMUSG000000067336	Bmpr2	1.21E-05	0.422432448
ENSMUSG000000035051	Dhx57	1.80E-10	0.422228726
ENSMUSG000000027907	S100a11	0.000447309	0.419692733
ENSMUSG00000016933	Plcg1	1.67E-10	0.419402337
ENSMUSG00000017288	Vps53	4.93E-05	0.418977055
ENSMUSG000000047767	Atg16l2	0.005016369	0.418776983
ENSMUSG000000030641	Ddias	0.002201071	0.418258096
ENSMUSG000000026918	Brd3	3.13E-10	0.418177619
ENSMUSG00000013150	Gfod2	0.01638736	0.417915774
ENSMUSG000000020185	E2f7	0.011001673	0.417497506
ENSMUSG000000003134	Tbc1d8	0.022085189	0.417273253
ENSMUSG000000073910	Mob3b	2.43E-06	0.417014061
ENSMUSG000000000308	Ckmt1	1.99E-05	0.416935919
ENSMUSG00000002718	Cse1l	0.004784404	0.416802184
ENSMUSG000000027782	Kpna4	7.20E-13	0.416764212
ENSMUSG000000051147	Nat2	3.36E-06	0.416541608
ENSMUSG000000031328	Flna	1.13E-06	0.416489058
ENSMUSG000000031790	Mmp15	0.026312124	0.416372484

ENSMUSG00000045411	2410002F23Rik	0.004739375	0.416101477
ENSMUSG00000047434	Xxylt1	0.004437519	0.416066189
ENSMUSG00000047238	Mageh1	3.11E-06	0.416062435
ENSMUSG00000028557	Rnf11	2.73E-05	0.415787703
ENSMUSG00000022159	Rab2b	0.047348688	0.415718289
ENSMUSG00000028718	Stil	0.008703313	0.415344791
ENSMUSG00000033170	Card10	1.46E-07	0.415236737
ENSMUSG00000027646	Src	1.77E-10	0.414617467
ENSMUSG00000040904	Gm21988	0.010486733	0.414426698
ENSMUSG00000044134	Fam109a	3.16E-06	0.413899888
ENSMUSG00000027660	Skil	1.92E-05	0.413620741
ENSMUSG00000030067	Foxp1	2.42E-05	0.412781908
ENSMUSG00000049858	Suox	0.012765342	0.412047488
ENSMUSG00000032878	Ccdc85a	1.00E-08	0.411516223
ENSMUSG00000025823	Pdia4	1.48E-13	0.41061233
ENSMUSG00000036026	Tmem63b	7.09E-10	0.410601595
ENSMUSG00000051444	Bbs12	5.29E-05	0.410359118
ENSMUSG00000026972	Arrdc1	0.009106276	0.40986944
ENSMUSG00000089832	Shkbp1	1.42E-05	0.409844376
ENSMUSG00000039985	Fam60a	2.88E-06	0.409687803
ENSMUSG00000030688	Stard10	2.69E-05	0.409596389
ENSMUSG00000035969	Rusc2	0.000950505	0.409412511
ENSMUSG00000060477	Irak2	3.72E-05	0.409083133
ENSMUSG00000038047	Haus6	0.001239408	0.408820502
ENSMUSG00000001300	Efnb2	7.32E-06	0.408718793
ENSMUSG00000054057	A930004D18Rik	0.022117191	0.408288256
ENSMUSG00000028479	Gne	0.000255835	0.408152094
ENSMUSG00000001525	Tubb5	1.47E-07	0.407725995
ENSMUSG00000107476	Zfp862-ps	0.005791223	0.407661852
ENSMUSG00000034320	Slc26a2	2.33E-05	0.407440984
ENSMUSG00000070436	Serpinh1	1.49E-07	0.407336932
ENSMUSG00000044636	Csrnp2	8.33E-06	0.40716175
ENSMUSG00000024939	Fam89b	1.85E-09	0.406619331
ENSMUSG00000056220	Pla2g4a	4.61E-10	0.406250333
ENSMUSG00000063253	Scoc	9.26E-10	0.406185662
ENSMUSG00000066838	Zfp772	0.000735646	0.406052908
ENSMUSG00000016520	Lnx2	0.00018174	0.405995321
ENSMUSG00000020121	Srgap1	4.10E-07	0.405907122
ENSMUSG00000020250	Txnrd1	2.66E-06	0.405904608
ENSMUSG00000069893	9930111J21Rik1	0.009249475	0.405489452
ENSMUSG00000028937	Acot7	0.000195252	0.404859722
ENSMUSG00000005447	Pafah1b3	9.65E-07	0.403706443
ENSMUSG00000041886	Macc1	0.011499897	0.402639796
ENSMUSG00000068566	Myadm	6.41E-07	0.402165442
ENSMUSG00000053070	9230110C19Rik	0.007535605	0.40201327
ENSMUSG00000074506	Gm10705	0.016145399	0.400725328
ENSMUSG00000026836	Acvr1	0.003736826	0.400638429

ENSMUSG00000001552	Jup	0.000447019	0.400522041
ENSMUSG00000027531	Impa1	5.71E-07	0.400488367
ENSMUSG00000040249	Lrp1	8.90E-07	0.40045305
ENSMUSG00000038473	Nos1ap	6.68E-05	0.40014246
ENSMUSG00000079547	H2-DMb1	0.000503808	0.398804286
ENSMUSG00000024012	Mtch1	2.18E-12	0.398628247
ENSMUSG00000009035	Tmem184b	0.000452449	0.398207483
ENSMUSG00000021318	Gli3	2.95E-05	0.397996626
ENSMUSG00000037300	Ttc13	3.66E-09	0.397742049
ENSMUSG00000030600	Lrfr1	0.037710186	0.397489695
ENSMUSG00000028464	Tpm2	6.51E-05	0.397224146
ENSMUSG00000027806	Tsc22d2	3.12E-11	0.397203612
ENSMUSG00000016028	Celsr1	0.02572778	0.396924276
ENSMUSG00000032855	Pkd1	7.53E-06	0.396886071
ENSMUSG00000041037	Irgq	3.47E-06	0.3968266
ENSMUSG00000021559	Dapk1	0.000854773	0.39671615
ENSMUSG00000035621	Midn	3.74E-10	0.396341555
ENSMUSG00000095041	AC149090.1	2.95E-12	0.395441312
ENSMUSG00000027712	Anxa5	5.59E-09	0.394804549
ENSMUSG00000090946	Ccdc71l	1.54E-07	0.394325535
ENSMUSG00000033356	Pus7l	0.019114965	0.39424951
ENSMUSG00000039787	Cercam	0.000602198	0.394178957
ENSMUSG00000030029	Lrig1	0.000151368	0.394016744
ENSMUSG00000032320	Rcn2	5.69E-12	0.393889455
ENSMUSG00000022528	Hes1	0.005440264	0.393379968
ENSMUSG0000004032	Gstm5	1.29E-06	0.393332932
ENSMUSG00000028949	Smarcd3	0.038643667	0.392933887
ENSMUSG00000071661	Zbtb3	0.004681656	0.392899901
ENSMUSG00000028383	Hsdl2	8.89E-09	0.392356307
ENSMUSG00000111824	Gm47102	0.044618779	0.392030771
ENSMUSG00000022415	Syng1	8.59E-11	0.391982377
ENSMUSG00000036863	Syde2	1.02E-09	0.391644909
ENSMUSG00000054364	Rhob	0.017911901	0.391621739
ENSMUSG00000074863	Platr25	0.001288021	0.391603911
ENSMUSG00000018239	Zcchc10	0.000158274	0.390894525
ENSMUSG00000031107	Rbmx2	0.009474648	0.389780371
ENSMUSG00000075470	Deaf1	6.70E-11	0.389624743
ENSMUSG00000042644	Itpr3	0.010445558	0.38929939
ENSMUSG00000038831	Ralgps1	0.006541315	0.388556838
ENSMUSG00000020205	Phlda1	8.89E-08	0.388422313
ENSMUSG00000057193	Slc44a2	1.26E-11	0.386949566
ENSMUSG00000027312	Atrn	6.38E-10	0.386153065
ENSMUSG00000043336	Filip1l	1.47E-05	0.385651828
ENSMUSG00000055725	Paqr3	0.019912217	0.385287511
ENSMUSG00000027955	Fam198b	0.001408357	0.384895642
ENSMUSG00000042292	Mkl1	2.84E-08	0.384684026
ENSMUSG00000005483	Dnajb1	2.27E-10	0.384379472

ENSMUSG00000036622	Atp13a2	4.00E-07	0.384293486
ENSMUSG00000025366	Esy1	5.50E-06	0.384112547
ENSMUSG00000020167	Tcf3	1.88E-10	0.383653747
ENSMUSG00000001661	Hoxc6	1.02E-06	0.38336978
ENSMUSG00000095115	Itpr12	1.79E-06	0.382801501
ENSMUSG00000037887	Dusp8	0.002266591	0.382722275
ENSMUSG00000020142	Slc1a4	0.025895149	0.381682574
ENSMUSG00000020526	Znhit3	0.001907413	0.381628268
ENSMUSG00000030878	Cdr2	2.27E-05	0.381499141
ENSMUSG00000025094	Slc18a2	0.001900095	0.380852913
ENSMUSG00000029674	Limk1	0.000425324	0.380682795
ENSMUSG00000020869	Lrrc59	0.01637926	0.380614617
ENSMUSG00000039232	Stx11	0.013676541	0.38041807
ENSMUSG00000025255	Zfhx4	0.01667262	0.380306446
ENSMUSG00000074873	Al606181	0.00042597	0.380224372
ENSMUSG00000028832	Stmn1	5.88E-11	0.379659153
ENSMUSG00000041959	S100a10	0.005093848	0.379363453
ENSMUSG00000042766	Trim46	0.015899669	0.379272725
ENSMUSG00000066647	Gm5113	0.011149304	0.379046507
ENSMUSG00000059975	Zfp74	0.000850935	0.37902678
ENSMUSG00000031483	Erlin2	7.74E-07	0.378717647
ENSMUSG00000022995	Enah	0.028025062	0.377404177
ENSMUSG00000022074	Tnfrsf10b	6.98E-06	0.377404042
ENSMUSG0000003929	Zfp81	2.29E-05	0.377218171
ENSMUSG00000045991	Onecut2	0.012298454	0.376669609
ENSMUSG00000024970	Al846148	7.05E-08	0.376125984
ENSMUSG00000029655	N4bp2l2	3.29E-07	0.375989545
ENSMUSG00000031668	Eif2ak3	0.000193263	0.375835881
ENSMUSG00000026029	Casp8	1.01E-08	0.375349112
ENSMUSG00000040097	Flywch1	1.18E-08	0.374208958
ENSMUSG00000016200	Syt14	0.002559183	0.374114415
ENSMUSG00000007817	Zmiz1	0.001459359	0.373833141
ENSMUSG00000061411	Nol4l	4.70E-06	0.373723094
ENSMUSG00000006930	Hap1	0.012451561	0.373667188
ENSMUSG00000024787	Snx15	0.016132599	0.37329051
ENSMUSG00000098404	Mrip-ps	7.18E-05	0.373002147
ENSMUSG00000025870	Arl10	0.022113874	0.372748437
ENSMUSG00000028158	Mttp	0.007044377	0.372674063
ENSMUSG00000041654	Slc39a11	4.98E-05	0.372316208
ENSMUSG00000047557	Lxn	3.91E-08	0.372309902
ENSMUSG00000018593	Sparc	1.71E-07	0.371713787
ENSMUSG00000004360	9330159F19Rik	6.47E-05	0.371426224
ENSMUSG00000029581	Fscn1	1.13E-05	0.371290856
ENSMUSG00000038042	Ptpdc1	0.026834358	0.371174016
ENSMUSG00000033278	Ptprm	4.32E-07	0.371144093
ENSMUSG00000040938	Slc16a11	0.003758462	0.371012334
ENSMUSG00000069114	Zbtb10	3.75E-06	0.370724324

ENSMUSG00000038888	Ctu1	2.62E-05	0.370371164
ENSMUSG00000054967	Zfp647	0.012065325	0.369716821
ENSMUSG00000015247	Nipsnap3b	3.06E-05	0.368804475
ENSMUSG00000026585	Kifap3	3.87E-09	0.368733489
ENSMUSG00000063019	Manbal	1.02E-08	0.368708019
ENSMUSG00000020260	Pofut2	1.22E-06	0.368707145
ENSMUSG00000046387	Pcdhb17	0.001064092	0.367464431
ENSMUSG00000032515	Csrnp1	0.000209707	0.367045772
ENSMUSG00000024521	Pmaip1	2.24E-05	0.36701319
ENSMUSG00000057363	Uxs1	0.001888706	0.366752006
ENSMUSG00000024790	Sac3d1	0.000183837	0.366699926
ENSMUSG00000022828	Gtf2e1	1.33E-05	0.366565207
ENSMUSG00000037470	Uggt1	4.96E-09	0.366431862
ENSMUSG00000036985	Zdhhc9	5.82E-07	0.366354762
ENSMUSG00000027805	Pfn2	0.000258778	0.366102464
ENSMUSG00000078502	Gm13212	0.024525067	0.365984284
ENSMUSG0000001248	Gramd1a	0.001019067	0.365784982
ENSMUSG00000002885	Adgre5	0.001440156	0.365674646
ENSMUSG00000030245	Golt1b	0.003109914	0.365558435
ENSMUSG00000018340	Anxa6	2.01E-10	0.365379053
ENSMUSG00000019297	Nop9	0.000813598	0.365357395
ENSMUSG00000022560	Slc52a2	6.09E-05	0.364778721
ENSMUSG00000034639	Setmar	0.04028445	0.364577738
ENSMUSG00000027248	Pdia3	2.01E-10	0.363628718
ENSMUSG00000023008	Fmnl3	6.10E-09	0.363384036
ENSMUSG00000055485	Soga1	0.003347452	0.362883852
ENSMUSG00000031078	Ctnn	1.70E-09	0.362870113
ENSMUSG00000030685	Kctd13	8.37E-05	0.362446928
ENSMUSG00000056708	Ier5	0.001005652	0.362323029
ENSMUSG00000070305	Mpzl3	0.005106327	0.362270315
ENSMUSG00000008136	Fhl2	5.16E-05	0.362147926
ENSMUSG00000004637	Wwox	0.018089165	0.361975904
ENSMUSG00000066640	Fbxl18	0.00088444	0.36191825
ENSMUSG00000006526	Tmem110	0.036535013	0.361876299
ENSMUSG00000008859	Rala	0.00017611	0.361747678
ENSMUSG00000038368	Focad	0.010795991	0.361515377
ENSMUSG00000030051	Ap1f	0.00042262	0.361155489
ENSMUSG00000038991	Txndc5	1.36E-09	0.36085242
ENSMUSG00000032593	Amigo3	0.042845853	0.36079451
ENSMUSG00000009630	Ppp2cb	9.10E-08	0.360647677
ENSMUSG00000021136	Smoc1	0.001615388	0.360625513
ENSMUSG00000029185	Fam114a1	0.004873517	0.360589372
ENSMUSG00000019952	Poc1b	0.027451308	0.360529778
ENSMUSG00000029213	Commd8	0.000110394	0.360459157
ENSMUSG00000025534	Gusb	1.25E-09	0.359984971
ENSMUSG00000071203	Naip5	0.009966898	0.35995986
ENSMUSG00000025920	Stau2	9.37E-06	0.359800585

ENSMUSG00000035847	Ids	2.91E-06	0.359792252
ENSMUSG00000021703	Serinc5	0.012065325	0.359777996
ENSMUSG00000034574	Daam1	4.55E-07	0.35965715
ENSMUSG00000002103	Acp2	0.000248108	0.359554679
ENSMUSG00000028896	Rcc1	0.006768449	0.358944583
ENSMUSG00000048440	Cyp4f16	8.84E-05	0.358835952
ENSMUSG00000036186	Fam69b	0.043280567	0.358798951
ENSMUSG00000023805	Synj2	3.87E-06	0.358750035
ENSMUSG00000070284	Gmppb	0.015527524	0.358579342
ENSMUSG00000002732	Fkbp7	1.23E-06	0.358305195
ENSMUSG00000038497	Tmco3	0.014710393	0.358094672
ENSMUSG00000038544	Inip	1.91E-05	0.357845193
ENSMUSG00000024812	Tjp2	8.26E-06	0.357806698
ENSMUSG00000032869	Psmf1	9.12E-07	0.357646188
ENSMUSG00000032966	Fkbp1a	1.65E-09	0.35713791
ENSMUSG00000036745	Ttl17	0.003080711	0.357015741
ENSMUSG00000020828	Pld2	0.001458566	0.356871874
ENSMUSG000000053198	Prx	0.000171146	0.356197676
ENSMUSG00000102752	Gm7694	0.009252015	0.355834795
ENSMUSG00000036197	Gxylt1	1.81E-07	0.355723431
ENSMUSG00000028833	Ncdn	0.004461792	0.355685134
ENSMUSG00000027495	Fam210b	0.001331227	0.35555268
ENSMUSG00000022221	Ripk3	0.008359077	0.355484165
ENSMUSG00000047003	Zfp41	0.023957898	0.355208939
ENSMUSG00000032575	Manf	0.000355953	0.355147067
ENSMUSG00000042743	Sgtb	0.014138325	0.354772867
ENSMUSG00000057335	Cep170	0.006883793	0.354580745
ENSMUSG00000028300	3110043O21Rik	3.89E-07	0.35388674
ENSMUSG00000037432	Fer1l5	0.010035939	0.353862888
ENSMUSG00000029475	Kdm2b	0.001239843	0.353300847
ENSMUSG00000001143	Lman2l	7.20E-05	0.353007308
ENSMUSG00000090486	BC035947	0.009389097	0.352807074
ENSMUSG00000031903	Pla2g15	2.05E-06	0.352582285
ENSMUSG00000042787	Exog	0.001609336	0.352489656
ENSMUSG00000062937	Mtap	0.005745762	0.352234927
ENSMUSG00000015312	Gadd45b	0.001875213	0.352231974
ENSMUSG00000022769	Sdf2l1	8.59E-07	0.352064055
ENSMUSG00000039607	Rbms3	8.97E-06	0.351964062
ENSMUSG00000004451	Ralb	7.68E-09	0.351559524
ENSMUSG00000023947	Nfkbie	0.026160093	0.350913463
ENSMUSG00000007080	Pole	0.00865791	0.350512705
ENSMUSG00000017667	Zfp334	0.00035858	0.350424752
ENSMUSG00000050965	Prkca	2.24E-05	0.350334004
ENSMUSG00000031608	Galnt7	1.06E-07	0.350294647
ENSMUSG00000028599	Tnfrsf1b	2.48E-07	0.350151086
ENSMUSG00000031502	Col4a1	0.00040882	0.3500761
ENSMUSG00000003847	Nfat5	0.020661215	0.349845463

ENSMUSG00000073468	Sft2d1	8.46E-05	0.349800479
ENSMUSG00000027194	Ttc17	1.99E-07	0.349455635
ENSMUSG00000049511	Htr1b	0.002842329	0.348769229
ENSMUSG00000025269	Apex2	0.000841942	0.34871323
ENSMUSG00000037426	Depdc5	0.007744921	0.348662708
ENSMUSG00000027006	Dnajc10	8.54E-09	0.348512431
ENSMUSG00000020231	Dip2a	3.72E-05	0.348240376
ENSMUSG00000015461	Atf6b	0.000172475	0.348198728
ENSMUSG00000062590	Armc9	0.030813313	0.347979493
ENSMUSG00000027803	Wwtr1	1.14E-09	0.347730001
ENSMUSG00000044700	Tmem201	0.000110394	0.347716693
ENSMUSG00000010406	Mrpl52	0.042574511	0.347403946
ENSMUSG00000056515	Rab31	4.58E-05	0.347210119
ENSMUSG00000019927	Ube2d1	6.24E-08	0.347207626
ENSMUSG00000001942	Siae	0.000528811	0.347180499
ENSMUSG00000001995	Sipa1l2	1.82E-09	0.346730004
ENSMUSG00000064193	Gm4735	0.026916925	0.346338692
ENSMUSG00000072437	Nanos1	0.014334662	0.346199722
ENSMUSG00000079685	Ulbp1	0.001088855	0.346113561
ENSMUSG00000115960	AC147512.2	0.001088855	0.346113561
ENSMUSG00000054400	Cklf	0.021324283	0.345761965
ENSMUSG00000024270	Slc39a6	0.006712439	0.345614843
ENSMUSG00000038607	Gng10	7.98E-08	0.345549709
ENSMUSG00000036819	Jmjd4	0.000303738	0.344637104
ENSMUSG00000049532	Sall2	0.000133686	0.343974524
ENSMUSG00000018412	Kansl1	2.39E-06	0.343609942
ENSMUSG00000032481	Smarcc1	8.39E-08	0.342438519
ENSMUSG00000017144	Rnd3	3.06E-09	0.341898116
ENSMUSG00000047033	Pcdhb15	3.11E-06	0.341267751
ENSMUSG00000079418	Atg4a	0.02857189	0.341089013
ENSMUSG00000116318	AL672306.5	0.02857189	0.341089013
ENSMUSG00000066357	Wdr6	3.47E-09	0.340508528
ENSMUSG00000046269	Usp27x	0.00021629	0.340054154
ENSMUSG00000028334	Nans	1.67E-07	0.339958904
ENSMUSG00000019923	Zwint	3.26E-06	0.33979816
ENSMUSG00000040669	Phc1	0.00246172	0.339642072
ENSMUSG00000022377	Asap1	3.65E-08	0.339495497
ENSMUSG00000022557	Bop1	0.02976316	0.338986184
ENSMUSG00000031904	Slc7a6	4.46E-05	0.338687738
ENSMUSG00000026879	Gsn	1.16E-08	0.337579689
ENSMUSG00000028799	Zfp362	0.001119252	0.337501733
ENSMUSG00000034761	Map4k5	9.81E-08	0.337314457
ENSMUSG00000047037	Nipa1	1.00E-05	0.337276302
ENSMUSG00000030282	Cmas	2.33E-05	0.337249001
ENSMUSG00000045045	Lrfn4	9.01E-08	0.336600049
ENSMUSG00000030225	Dera	0.001579549	0.336275842
ENSMUSG00000033653	Vps8	0.014893415	0.335807162

ENSMUSG00000021262	Evl	6.18E-07	0.335117449
ENSMUSG00000115027	Vmn1r81	0.034256224	0.335043497
ENSMUSG00000039953	Clstn1	1.92E-08	0.33495057
ENSMUSG00000020309	Chac2	0.002375677	0.334807071
ENSMUSG00000028228	Cpne3	1.96E-05	0.334498865
ENSMUSG00000018401	Mtmr4	0.002288784	0.334364107
ENSMUSG00000027333	Smox	0.000382554	0.334173736
ENSMUSG00000038916	Soga3	0.006427775	0.333990259
ENSMUSG00000028149	Rap1gds1	1.91E-08	0.333926525
ENSMUSG00000024269	Tpgs2	0.000258635	0.333705769
ENSMUSG00000046668	Cxxc5	1.48E-07	0.333196236
ENSMUSG00000041926	Rnpep	4.38E-06	0.33236681
ENSMUSG00000061689	Dlgap4	1.89E-06	0.332333988
ENSMUSG00000020137	Thap2	0.003746003	0.332199964
ENSMUSG00000001089	Luzp1	8.21E-07	0.331596276
ENSMUSG00000037169	Mycn	0.003324143	0.33112009
ENSMUSG00000033467	Crlf2	1.59E-07	0.330579257
ENSMUSG00000037103	Dcaf15	0.027534527	0.33055707
ENSMUSG00000020458	Rtn4	7.49E-06	0.330471808
ENSMUSG00000038552	Fndc4	0.013922385	0.330163392
ENSMUSG00000030284	Creld1	4.16E-07	0.330156418
ENSMUSG00000027327	1700037H04Rik	0.000477679	0.329973383
ENSMUSG00000045763	Basp1	0.020933257	0.329925402
ENSMUSG00000116417	CT025619.2	0.001064092	0.329851356
ENSMUSG00000053080	2700081O15Rik	7.62E-06	0.328626513
ENSMUSG00000030589	Rasgrp4	0.020189107	0.327739937
ENSMUSG00000090035	Galnt4	1.25E-05	0.327227397
ENSMUSG00000060227	Casc4	2.67E-07	0.326696903
ENSMUSG00000043702	Pde12	0.000469277	0.326254716
ENSMUSG00000116251	Pde12	0.000469277	0.326254716
ENSMUSG00000038702	Dsel	0.00376787	0.326235418
ENSMUSG00000022075	Rhobtb2	0.004245518	0.326074073
ENSMUSG00000033039	Micall1	0.000678738	0.325730849
ENSMUSG00000020964	Sel1l	1.54E-07	0.325452946
ENSMUSG00000069601	Ank3	0.001708217	0.325256445
ENSMUSG00000022964	Tmem50b	0.006185038	0.325154798
ENSMUSG00000002814	Top3a	0.001405202	0.325145411
ENSMUSG00000045827	Serpinb9	1.73E-06	0.324704532
ENSMUSG00000040661	Rad54l2	0.000438596	0.324620485
ENSMUSG00000031907	Zfp90	0.000733745	0.32411771
ENSMUSG00000103906	Tigd5	0.014118485	0.323996274
ENSMUSG00000028430	Nol6	0.001576509	0.323857474
ENSMUSG00000006095	Tbcb	0.000130002	0.32375897
ENSMUSG00000040631	Dok4	0.037964921	0.323756718
ENSMUSG00000020393	Kremen1	0.002240122	0.323698366
ENSMUSG00000026121	Sema4c	0.002317068	0.323674396
ENSMUSG00000024317	Rnf138	1.03E-06	0.323439623

ENSMUSG00000055652	Klhl25	0.000428258	0.323224222
ENSMUSG00000040297	Suco	0.005323151	0.323140327
ENSMUSG00000027534	Snx16	0.000160899	0.322972884
ENSMUSG00000034275	Igsf9b	0.020933257	0.322310212
ENSMUSG00000025151	Maged1	1.54E-08	0.321903438
ENSMUSG00000022474	Pmm1	3.25E-06	0.3218707
ENSMUSG00000103081	Pcdhgb8	2.65E-06	0.321151506
ENSMUSG00000079111	Kdelr2	0.01010553	0.321125947
ENSMUSG00000029616	Erp29	1.41E-07	0.320983033
ENSMUSG00000032562	Gnai2	2.29E-08	0.320889811
ENSMUSG00000029192	Tbc1d14	0.000127597	0.3200964
ENSMUSG00000021699	Pde4d	0.00392748	0.320017708
ENSMUSG00000034863	Ano8	1.66E-05	0.319618114
ENSMUSG00000032384	Csnk1g1	0.000478012	0.319515781
ENSMUSG00000020277	Pfkl	1.24E-05	0.319399791
ENSMUSG00000057637	Prdm2	0.037574626	0.31862403
ENSMUSG00000029547	Ints1	0.013447535	0.318105698
ENSMUSG00000039262	Prrc2b	2.57E-05	0.318092725
ENSMUSG00000031284	Pak3	0.013945721	0.318047289
ENSMUSG00000057346	Apol9a	0.014340906	0.316723576
ENSMUSG00000061306	Slc38a10	1.25E-07	0.316679563
ENSMUSG00000029657	Hsph1	9.14E-07	0.316319077
ENSMUSG00000035407	Kank4	0.014413997	0.316047579
ENSMUSG00000024145	Pigf	0.003392055	0.315836735
ENSMUSG00000028800	Hdac1	0.000382868	0.315546668
ENSMUSG00000026311	Asb1	0.013256356	0.31542834
ENSMUSG00000034064	Poglut1	0.000263644	0.315167887
ENSMUSG00000027777	Schip1	0.007321872	0.315060243
ENSMUSG00000052557	Gan	0.000771502	0.315053967
ENSMUSG00000047090	Tmem198b	0.001634691	0.314964248
ENSMUSG00000072762	4930522L14Rik	0.004003592	0.314950956
ENSMUSG00000039697	Ncoa7	0.00332039	0.314263002
ENSMUSG0000002458	Rgs19	0.002703896	0.314075586
ENSMUSG00000024212	Mllt1	4.64E-07	0.313666805
ENSMUSG00000054939	Zfp174	0.037784513	0.312866866
ENSMUSG00000031214	Ophn1	0.001099895	0.312853936
ENSMUSG00000060090	Rp2	0.00017258	0.312703195
ENSMUSG00000043733	Ptpn11	1.93E-07	0.312700996
ENSMUSG00000003402	Prkcsh	6.23E-08	0.312692767
ENSMUSG00000033883	D3Ertd254e	0.001954354	0.312503645
ENSMUSG00000022385	Gtse1	0.014418334	0.312253045
ENSMUSG00000020948	Klhl28	0.000761062	0.312228867
ENSMUSG00000051790	Nlgn2	0.021604838	0.312027298
ENSMUSG00000025130	P4hb	1.13E-05	0.311793114
ENSMUSG00000031503	Col4a2	0.001264501	0.311720688
ENSMUSG00000018820	Zfyve27	0.00023451	0.311507226
ENSMUSG00000034575	Papd7	0.003050992	0.311400534

ENSMUSG00000035529	Prdm4	8.32E-05	0.311301844
ENSMUSG00000038545	Cul7	4.23E-05	0.311103893
ENSMUSG00000030722	Nfatc2ip	0.028322871	0.310980085
ENSMUSG00000081752	Sms-ps	0.027762793	0.310958656
ENSMUSG00000014426	Map3k4	1.19E-06	0.310805843
ENSMUSG00000020802	Ube2o	2.19E-05	0.310570673
ENSMUSG00000021774	Ube2e1	5.27E-05	0.310541802
ENSMUSG00000075705	Msrb1	1.99E-05	0.310173995
ENSMUSG00000025236	Adpgk	0.017999812	0.310058647
ENSMUSG00000003814	Calr	1.81E-07	0.310039932
ENSMUSG00000028629	Exo5	0.009129561	0.309963068
ENSMUSG00000008167	Fbxw9	0.000161133	0.309888027
ENSMUSG00000037239	Spred3	0.002966907	0.309696222
ENSMUSG00000032840	2410131K14Rik	0.012885198	0.309521068
ENSMUSG00000022131	Gpr180	0.000251219	0.309336516
ENSMUSG00000003573	Homer3	8.48E-06	0.309285074
ENSMUSG00000049036	Tmem121	0.034671986	0.308887815
ENSMUSG00000028345	Tex10	0.001281666	0.30887551
ENSMUSG00000052446	Zfp961	0.002046545	0.308639833
ENSMUSG00000001657	Hoxc8	9.61E-08	0.308586238
ENSMUSG00000030104	Edem1	0.000768903	0.308322929
ENSMUSG00000047910	Pcdhb16	1.21E-06	0.308071996
ENSMUSG00000016262	Sertad4	0.000865586	0.30806381
ENSMUSG00000039483	Asb6	0.001446519	0.307827108
ENSMUSG00000021326	Trim27	6.29E-07	0.307803673
ENSMUSG00000032009	Sesn3	0.013883847	0.307630045
ENSMUSG00000035696	Rnf38	0.031426929	0.307084675
ENSMUSG00000090000	Ier3ip1	0.008041881	0.306567045
ENSMUSG00000074247	Dda1	1.23E-05	0.306385408
ENSMUSG00000069171	Nr2f1	0.032109705	0.30603675
ENSMUSG00000052949	Rnf157	0.007422627	0.305913686
ENSMUSG00000074916	Chst14	0.000356212	0.305896735
ENSMUSG00000063524	Eno1	0.035575223	0.305878879
ENSMUSG00000041779	Tram2	8.33E-06	0.305846691
ENSMUSG00000038622	Med30	8.52E-05	0.305550077
ENSMUSG00000058388	Phtf1	0.01853796	0.305062758
ENSMUSG00000054008	Ndst1	1.46E-07	0.305048442
ENSMUSG00000049728	Zfp668	0.003405796	0.304874845
ENSMUSG00000003062	Stard3nl	0.002782154	0.304478566
ENSMUSG00000041974	Spidr	0.000920798	0.304086234
ENSMUSG00000037151	Lrrc20	0.001054699	0.303925199
ENSMUSG00000070520	Nsmce3	0.003504991	0.303897385
ENSMUSG00000021203	Otub2	0.047481486	0.303824532
ENSMUSG00000064138	Fam172a	0.000107901	0.303515462
ENSMUSG00000042462	Dctpp1	0.012984877	0.303134419
ENSMUSG00000030660	Pik3c2a	0.0019439	0.302958485
ENSMUSG00000000078	Klf6	0.0179489	0.30295616

ENSMUSG00000018920	Cxcl16	0.046682698	0.302521286
ENSMUSG00000074886	Grk6	2.37E-06	0.302398351
ENSMUSG00000046572	Zfp518b	0.000304442	0.302229619
ENSMUSG00000006215	Zbtb17	0.021540004	0.302086061
ENSMUSG00000027889	Ampd2	0.002549247	0.301955743
ENSMUSG00000017376	Nlk	0.000155694	0.301616931
ENSMUSG00000027583	Zbtb46	0.002311332	0.301347744
ENSMUSG00000078515	Ddi2	0.017582071	0.301183063
ENSMUSG00000028468	Rgp1	0.016311748	0.300859749
ENSMUSG00000023991	Foxp4	5.26E-05	0.30074359
ENSMUSG00000116496	AC113536.1	5.26E-05	0.30074359
ENSMUSG00000027115	Kif18a	0.036823775	0.300516742
ENSMUSG00000048696	Mex3d	2.42E-06	0.300510699
ENSMUSG00000035575	Utp6	0.000317518	0.300442811
ENSMUSG00000004568	Arhgef18	0.001260025	0.300396902
ENSMUSG00000041734	Kirrel	9.17E-07	0.300312075
ENSMUSG00000035245	Eogt	0.007941834	0.300286251
ENSMUSG00000019837	Gtf3c6	0.046847261	0.300155926
ENSMUSG00000031617	Tmem184c	0.000158274	0.29994662
ENSMUSG00000009535	Rnmt	3.84E-05	0.299695108
ENSMUSG00000056952	Tatdn2	3.27E-06	0.299620974
ENSMUSG00000026036	Nif3l1	0.030926984	0.299580193
ENSMUSG00000029050	Ski	0.04589643	0.299557394
ENSMUSG00000051065	Mb21d2	0.010682494	0.299226475
ENSMUSG00000032462	Pik3cb	0.001734954	0.298899353
ENSMUSG00000051000	Fam160a1	0.013708712	0.298862116
ENSMUSG00000035133	Arhgap5	5.70E-07	0.298200281
ENSMUSG00000013698	Pea15a	0.002199105	0.297804376
ENSMUSG00000004951	Hspb1	0.004313315	0.297778179
ENSMUSG00000003549	Erccl	0.031260701	0.297660699
ENSMUSG00000045039	Megf8	0.007277953	0.297450955
ENSMUSG00000024944	Arl2	3.54E-05	0.296845717
ENSMUSG00000015759	Cnih1	6.95E-05	0.296840408
ENSMUSG00000059040	Eno1b	0.025263463	0.296817877
ENSMUSG00000032187	Smarca4	3.64E-07	0.296454324
ENSMUSG00000026466	Tor1aip1	2.62E-05	0.295702462
ENSMUSG00000050428	Fbxo46	0.000461189	0.295695509
ENSMUSG00000030062	Rpn1	0.001563819	0.294705558
ENSMUSG00000047466	8030462N17Rik	0.000565542	0.294667132
ENSMUSG00000116473	AC102195.3	0.000565542	0.294667132
ENSMUSG00000038187	Btbd10	0.000604402	0.294542613
ENSMUSG00000069631	Strada	0.015960554	0.29410757
ENSMUSG00000031684	Slc10a7	0.002853685	0.293986734
ENSMUSG00000030094	Xpc	0.015084796	0.293708308
ENSMUSG00000026411	Tmem9	3.68E-05	0.293667563
ENSMUSG00000004846	Plod3	0.007972985	0.293156089
ENSMUSG00000048578	Mlec	2.04E-05	0.293101823

ENSMUSG00000029014	Dnajc2	0.047923266	0.29286287
ENSMUSG00000032322	Pstpip1	0.005792559	0.292513858
ENSMUSG00000031103	Elf4	2.01E-06	0.292167654
ENSMUSG00000013275	Slc41a1	0.042052204	0.292128411
ENSMUSG00000023026	Dip2b	0.02270551	0.29209869
ENSMUSG00000014402	Tsg101	8.77E-05	0.292077299
ENSMUSG00000020326	Ccng1	3.74E-07	0.292045128
ENSMUSG00000041264	Uspl1	0.011519293	0.292003491
ENSMUSG00000027459	Fam110a	0.014336886	0.291926549
ENSMUSG00000025010	Ccnj	0.005476874	0.291623379
ENSMUSG00000039231	Suv39h1	0.03235045	0.291294692
ENSMUSG00000073197	5730507C01Rik	0.028160228	0.291226702
ENSMUSG00000034192	Lsm3	0.048033101	0.290951891
ENSMUSG00000074746	Pdzd8	0.000138061	0.2903874
ENSMUSG00000030407	Qpctl	0.001163802	0.290353039
ENSMUSG00000109324	Prmt1	0.037476986	0.29012926
ENSMUSG00000014668	Chfr	3.28E-05	0.289865362
ENSMUSG00000037750	Fam222b	0.000111104	0.289853732
ENSMUSG00000039824	Myl6b	0.035735916	0.289811246
ENSMUSG00000057069	Ero1lb	0.001036752	0.289723953
ENSMUSG00000042225	Ammecr1	1.24E-05	0.289218348
ENSMUSG00000031584	Gsr	9.50E-05	0.289096359
ENSMUSG00000040714	Klc3	0.001407742	0.289043708
ENSMUSG00000021188	Trip11	0.005285661	0.288893342
ENSMUSG00000043909	Trp53bp1	0.011130447	0.288799798
ENSMUSG00000024791	Cdca5	0.00127314	0.288777484
ENSMUSG00000039634	Zfp189	0.009943736	0.288725107
ENSMUSG00000029708	Gcc1	0.016115616	0.288524414
ENSMUSG00000053841	Txlna	0.003232824	0.288422697
ENSMUSG00000037251	Pomk	0.00031943	0.288400209
ENSMUSG00000018474	Chd3	0.001026624	0.288378016
ENSMUSG00000038954	Supt3	0.016087965	0.288161314
ENSMUSG00000022109	Med4	0.030798564	0.287773119
ENSMUSG00000032479	Map4	4.32E-06	0.287738255
ENSMUSG00000062116	Zfp954	0.005232085	0.287720042
ENSMUSG00000049580	Tsku	0.011091484	0.28765626
ENSMUSG00000035181	Heatr5a	2.73E-05	0.287646079
ENSMUSG00000039774	Galnt12	0.029277896	0.287494466
ENSMUSG00000011958	Bnip2	0.000262614	0.287427301
ENSMUSG00000039952	Dag1	0.009446471	0.287229993
ENSMUSG00000047747	Rnf150	0.042431695	0.286891213
ENSMUSG00000043940	Wdfy3	0.000234203	0.286209908
ENSMUSG00000041684	Bivm	0.038294197	0.285504678
ENSMUSG00000023938	Aars2	0.044769213	0.285466039
ENSMUSG00000024219	Anks1	0.000134222	0.285465093
ENSMUSG00000038366	Lasp1	0.001976969	0.285443258
ENSMUSG00000028164	Manba	5.27E-05	0.285232059

ENSMUSG00000035898	Uba6	0.002677368	0.284919274
ENSMUSG00000028988	Ctnnbip1	0.019488353	0.284468529
ENSMUSG00000021540	Smad5	2.38E-05	0.284409599
ENSMUSG00000039105	Atp6v1g1	0.002053104	0.28439301
ENSMUSG00000022305	Lrp12	0.000265794	0.284270698
ENSMUSG00000003233	Dvl3	0.000457293	0.283993973
ENSMUSG00000114547	AC154767.1	0.014588219	0.283569821
ENSMUSG00000027203	Dut	0.031111931	0.283556388
ENSMUSG00000030231	Plekha5	0.044346681	0.283473859
ENSMUSG00000037119	Fam91a1	0.011488919	0.283221989
ENSMUSG00000116351	AC107742.3	0.011488919	0.283221989
ENSMUSG00000044496	2510039O18Rik	1.55E-05	0.28275746
ENSMUSG00000039294	BC017643	0.000867437	0.282092897
ENSMUSG00000028483	Snapc3	0.014380749	0.281864421
ENSMUSG00000033705	Stard9	0.046666965	0.28170262
ENSMUSG00000008373	Prpf31	0.047946479	0.281677414
ENSMUSG00000031828	Klhl36	0.020898338	0.281553384
ENSMUSG00000048138	Dmrt2	0.001593068	0.281409444
ENSMUSG00000034194	R3hcc1	0.012011925	0.281369918
ENSMUSG00000023827	Agpat4	0.014192955	0.280556743
ENSMUSG00000045328	Cenpe	0.030530495	0.280424522
ENSMUSG00000034118	Tpst1	2.47E-05	0.280218448
ENSMUSG00000028413	B4galt1	1.60E-05	0.280125886
ENSMUSG00000027285	Haus2	0.025067163	0.280120719
ENSMUSG00000017837	Nkiras2	0.000596945	0.280114813
ENSMUSG00000022967	Ifnar1	0.000158789	0.279853788
ENSMUSG00000071477	Zfp777	0.016298923	0.279789008
ENSMUSG00000009647	Mcu	0.000639545	0.279706346
ENSMUSG00000030255	Sspn	0.00054536	0.279679738
ENSMUSG00000036435	Exoc1	0.001036752	0.279633836
ENSMUSG00000064127	Med14	3.11E-06	0.279500077
ENSMUSG00000071650	Ganab	1.86E-06	0.279385431
ENSMUSG00000022265	Ank	0.001774757	0.27886089
ENSMUSG00000014498	Ankrd52	2.24E-06	0.278762209
ENSMUSG00000020184	Mdm2	0.003595004	0.278536148
ENSMUSG00000026596	Abl2	0.000347462	0.278496926
ENSMUSG00000045780	Olfir624	0.013306769	0.278418746
ENSMUSG00000020300	Cpeb4	0.017898583	0.278260609
ENSMUSG00000092074	Dynlt1a	0.003012769	0.27803103
ENSMUSG00000027035	Cers6	0.005605704	0.277899838
ENSMUSG00000040322	Slc25a24	0.043197948	0.277586026
ENSMUSG00000035152	Ap2b1	1.86E-06	0.27758279
ENSMUSG00000024260	Sap130	5.12E-05	0.277165101
ENSMUSG00000074748	Atxn7l3b	2.61E-06	0.276693575
ENSMUSG00000025981	Coq10b	0.010380462	0.276653929
ENSMUSG00000005161	Prdx2	4.73E-06	0.276645046
ENSMUSG00000009293	Ube2g2	0.001288021	0.276158143

ENSMUSG00000024304	Cdh2	3.11E-06	0.276114155
ENSMUSG00000020451	Limk2	0.000141191	0.275924858
ENSMUSG00000031601	Cnot7	0.001331227	0.275617351
ENSMUSG00000001173	Ocr1	0.015856902	0.27541792
ENSMUSG00000021772	Nkiras1	0.026524144	0.275192177
ENSMUSG00000042622	Maff	0.014974454	0.275087706
ENSMUSG00000027309	4930402H24Rik	0.006795689	0.274934866
ENSMUSG00000049775	Tmsb4x	3.12E-05	0.274791077
ENSMUSG00000024604	Rbm22	0.001208973	0.274688651
ENSMUSG00000045095	Magi1	0.00049208	0.274542041
ENSMUSG00000024068	Spast	2.63E-05	0.27453676
ENSMUSG00000014778	Fhod1	0.002128521	0.274331611
ENSMUSG00000032491	Nradd	7.32E-05	0.27398314
ENSMUSG00000056648	Hoxb8	0.006386216	0.273642764
ENSMUSG00000022789	Dnm1l	0.002779795	0.273626628
ENSMUSG00000029478	Ncor2	5.42E-05	0.273286915
ENSMUSG00000024312	Wdr46	0.046490757	0.273221163
ENSMUSG00000049739	Zfp646	3.71E-05	0.27266533
ENSMUSG00000030397	Mark4	9.45E-05	0.272594635
ENSMUSG00000026223	Itm2c	0.015660155	0.272371655
ENSMUSG00000026944	Abca2	0.025331874	0.272263789
ENSMUSG00000023868	Pde10a	0.005912048	0.272208624
ENSMUSG00000031799	Tpm4	0.03753545	0.271936915
ENSMUSG00000030471	Zdhhc13	0.002590331	0.271821854
ENSMUSG00000007617	Homer1	0.005275268	0.271594421
ENSMUSG00000036591	Arhgap21	0.004540112	0.271233446
ENSMUSG00000002733	Plekha3	2.94E-05	0.271086326
ENSMUSG00000032312	Csk	0.003092395	0.270837739
ENSMUSG00000031681	Smad1	0.001612412	0.270823131
ENSMUSG00000029229	Chic2	0.000163014	0.270744199
ENSMUSG00000021392	Nol8	0.013701994	0.270706676
ENSMUSG00000034544	Rsrc1	0.000144227	0.270603939
ENSMUSG00000028414	Fktn	4.68E-05	0.270600902
ENSMUSG00000038172	Ttc39b	0.015538645	0.270527644
ENSMUSG00000043154	Ppp2r3a	0.03013437	0.270513491
ENSMUSG00000031529	Tnks	9.30E-05	0.27043505
ENSMUSG00000078453	Abracl	0.005722793	0.270188319
ENSMUSG00000046982	Tshz1	0.00095539	0.270126876
ENSMUSG00000021096	Ppm1a	8.75E-06	0.269755876
ENSMUSG00000058013	11-Sep	0.00055937	0.269698363
ENSMUSG00000035078	Mtmr9	0.000355626	0.269401559
ENSMUSG00000026915	Strbp	7.43E-05	0.269201747
ENSMUSG00000007837	Prrg2	0.007116277	0.268895813
ENSMUSG00000006931	P3h4	8.28E-06	0.268892941
ENSMUSG00000010067	Rassf1	0.000179718	0.268763627
ENSMUSG00000051306	Usp42	0.03003739	0.268262993
ENSMUSG00000026047	Kdelc1	0.000304298	0.268255299

ENSMUSG00000045071	E130308A19Rik	0.037754498	0.268030081
ENSMUSG00000020522	Mfap3	0.000134222	0.267887972
ENSMUSG00000020841	Cpd	0.003809991	0.267706522
ENSMUSG00000026308	Klhl30	0.035811806	0.2675307
ENSMUSG00000027490	E2f1	9.96E-05	0.267470735
ENSMUSG00000027550	Lrrcc1	0.004679334	0.267328384
ENSMUSG00000018363	Smurf2	0.000562231	0.267154252
ENSMUSG00000035671	Zswim4	0.004025004	0.267027371
ENSMUSG00000042613	Pbxip1	0.043666092	0.266941158
ENSMUSG00000052656	Rnf103	0.014112281	0.266596663
ENSMUSG00000008475	Arpc5	5.73E-06	0.26646416
ENSMUSG00000033222	Ttf2	0.003241132	0.266138498
ENSMUSG00000079260	Tmppe	0.013055056	0.265840221
ENSMUSG00000020288	Ahsa2	0.000900162	0.265834538
ENSMUSG00000026484	Rnf2	0.005827855	0.265323142
ENSMUSG00000019461	Plscr3	1.43E-05	0.264838605
ENSMUSG00000061273	Mmgt1	0.000206629	0.264723279
ENSMUSG00000034509	Mad2l1bp	0.006827988	0.264649609
ENSMUSG00000030020	Prickle2	0.011842905	0.264595479
ENSMUSG00000041040	Fam117b	0.026227896	0.264359785
ENSMUSG00000032103	Pus3	0.017834466	0.264327289
ENSMUSG00000039244	E130309D02Rik	0.000409049	0.2639217
ENSMUSG00000054115	Skp2	0.004592985	0.263785788
ENSMUSG00000050714	Zbtb26	0.005294557	0.2632251
ENSMUSG00000025228	Actr1a	7.21E-06	0.263066418
ENSMUSG00000025002	Cyp2c55	0.040421482	0.263018204
ENSMUSG00000007783	Cpt1c	0.006722949	0.262840551
ENSMUSG00000020015	Cdk17	0.003443256	0.26277572
ENSMUSG00000027257	Paccin3	0.036115543	0.262610467
ENSMUSG00000026848	Tor1b	0.00020395	0.262474436
ENSMUSG00000071064	Zfp827	0.000622736	0.262372855
ENSMUSG00000040563	Plppr2	0.00449369	0.262164052
ENSMUSG00000016831	Tox4	0.04792175	0.261999105
ENSMUSG00000026667	Uhmk1	9.29E-06	0.261645654
ENSMUSG00000062762	Ei24	0.014812138	0.260676171
ENSMUSG00000001482	Def8	0.012045282	0.260635511
ENSMUSG00000020571	Pdia6	7.04E-06	0.260305028
ENSMUSG00000028207	Asph	0.000128673	0.26016388
ENSMUSG00000042590	lpo11	0.000418813	0.260132755
ENSMUSG00000026701	Prdx6	0.017999646	0.260129553
ENSMUSG00000059263	Usp47	9.77E-06	0.259341439
ENSMUSG00000032285	Dnaja4	0.017995759	0.259151329
ENSMUSG00000020044	Timp3	0.00028512	0.25893959
ENSMUSG00000038780	Smurf1	0.017064285	0.258767715
ENSMUSG00000037017	Zscan21	0.004171966	0.258493511
ENSMUSG00000048720	Tbc1d12	0.000315983	0.257956357
ENSMUSG00000030400	Erc2	0.039428202	0.25757068

ENSMUSG00000033964	Zbtb41	0.000504688	0.257273852
ENSMUSG00000021357	Exoc2	0.000373903	0.256972978
ENSMUSG00000052752	Traf7	0.000904362	0.256693732
ENSMUSG00000024943	Smc5	0.000270241	0.256521335
ENSMUSG00000036403	Cep135	0.004919336	0.256124715
ENSMUSG00000022476	Polr3h	0.008830916	0.255833055
ENSMUSG00000016541	Atxn10	1.68E-05	0.255591365
ENSMUSG00000040945	Rcc2	0.005553677	0.255359883
ENSMUSG00000019777	Hdac2	3.58E-05	0.255232312
ENSMUSG00000000149	Gna12	1.95E-05	0.254723238
ENSMUSG00000034974	Dapk3	0.000456974	0.254592914
ENSMUSG00000039987	Phtf2	0.003637709	0.25420478
ENSMUSG00000048799	Cep120	0.00010216	0.253437405
ENSMUSG00000029394	Cdk2ap1	0.035261657	0.253221283
ENSMUSG00000060510	Zfp266	0.024585291	0.253162127
ENSMUSG00000064367	mt-Nd5	0.000426746	0.25300327
ENSMUSG00000038740	Mvb12b	0.013256356	0.252919434
ENSMUSG00000020536	Llg1	3.79E-05	0.252804152
ENSMUSG00000060032	H2afj	0.004784626	0.252691082
ENSMUSG00000064302	Clasp1	0.000173016	0.252036629
ENSMUSG00000029863	Casp2	0.0169282	0.25201453
ENSMUSG00000020368	Canx	2.11E-05	0.251759023
ENSMUSG00000020541	Tom1l1	0.004298199	0.251696203
ENSMUSG00000001729	Akt1	0.002189353	0.251462231
ENSMUSG00000053253	Ndfip2	0.001793468	0.251181404
ENSMUSG00000090150	Acad11	0.048969345	0.251077429
ENSMUSG00000024127	Prepl	0.02113886	0.250956158
ENSMUSG00000001052	Sec24b	0.00427672	0.250474674
ENSMUSG00000038335	Tsr1	0.009294378	0.250456934
ENSMUSG00000030199	Etv6	0.012300275	0.250443536
ENSMUSG00000022052	Ppp2r2a	0.000399275	0.250361216
ENSMUSG00000038372	Gmds	0.015579451	0.250183415
ENSMUSG00000020160	Meis1	0.016107868	0.249999132
ENSMUSG00000026499	Acbd3	0.002782879	0.24968102
ENSMUSG00000019487	Trip10	0.008412172	0.249595668
ENSMUSG00000024160	Spsb3	0.035614822	0.249266964
ENSMUSG00000027351	Spred1	2.93E-05	0.249097874
ENSMUSG00000052928	Ctif	0.000633321	0.249093646
ENSMUSG00000015478	Rnf5	0.002128521	0.248711327
ENSMUSG00000025577	Cbx2	0.01176805	0.24854338
ENSMUSG0000002504	Slc9a3r2	0.000431498	0.248088355
ENSMUSG00000039201	Tbc1d25	0.01132803	0.248000488
ENSMUSG00000039536	Stau1	8.22E-05	0.247711616
ENSMUSG00000032435	Dync1li1	0.003467054	0.247095495
ENSMUSG00000047648	Fbxo30	0.000626473	0.246934837
ENSMUSG00000039828	Wdr70	0.007516608	0.246794128
ENSMUSG00000033014	Trim33	0.001695496	0.246716743

ENSMUSG00000051978	Erich1	0.006291927	0.246655764
ENSMUSG00000022191	Drosha	0.002382591	0.246639786
ENSMUSG00000035401	Emsy	0.00998086	0.246605786
ENSMUSG00000028538	St3gal3	0.016909375	0.246268018
ENSMUSG00000024594	Prrc1	0.011102187	0.245656142
ENSMUSG00000024074	Crim1	0.003397915	0.245511485
ENSMUSG00000028016	Ints12	0.001863053	0.245506637
ENSMUSG00000020659	Cbll1	0.004110439	0.245451122
ENSMUSG00000031527	Eri1	0.00248184	0.245353695
ENSMUSG00000065947	mt-Nd4l	0.003527029	0.245154095
ENSMUSG00000027552	E2f5	0.023004342	0.245000586
ENSMUSG00000054793	Cadm4	0.015435135	0.244974257
ENSMUSG00000078908	Mon1b	0.00038675	0.244910833
ENSMUSG00000025757	Hspa4l	0.025263463	0.24440334
ENSMUSG00000115951	AC146980.1	0.025263463	0.24440334
ENSMUSG00000082082	Gm13230	0.006701599	0.244012162
ENSMUSG00000032570	Atp2c1	0.002669614	0.243857088
ENSMUSG00000071180	Smim15	0.000956873	0.243721834
ENSMUSG00000024472	Dcp2	0.044951065	0.24363626
ENSMUSG00000000085	Scmh1	0.020943777	0.243209479
ENSMUSG00000036167	Pphln1	0.001467519	0.243198849
ENSMUSG00000033983	Coil	0.025783001	0.242987624
ENSMUSG00000024878	Cbwd1	0.003925802	0.242563189
ENSMUSG00000074221	Zfp568	0.011598276	0.242562359
ENSMUSG00000002329	Mdp1	0.003843689	0.242507951
ENSMUSG00000014748	Tex261	0.000248882	0.242241587
ENSMUSG00000003458	Ncstn	4.93E-05	0.24217419
ENSMUSG00000007987	lft22	0.03013437	0.241983961
ENSMUSG00000027522	Stx16	0.01359366	0.241829667
ENSMUSG00000050989	Selenon	0.000796651	0.241623431
ENSMUSG00000020844	Nxn	0.000130496	0.241510965
ENSMUSG00000061607	Mdc1	0.043905156	0.241140007
ENSMUSG00000019889	Ptprk	0.002610415	0.241120693
ENSMUSG00000049421	Zfp260	0.013422263	0.240931006
ENSMUSG00000032939	Nup93	0.000903712	0.240896024
ENSMUSG0000002658	Gtf2f1	0.009070322	0.24085397
ENSMUSG00000037933	Bicd2	0.004018833	0.240528922
ENSMUSG00000026974	Zmynd19	0.001283678	0.240345571
ENSMUSG00000022136	Dnajc3	6.51E-05	0.239945579
ENSMUSG00000020868	Xylt2	0.045929912	0.239927857
ENSMUSG00000034201	Gas2l1	0.00022591	0.239845
ENSMUSG00000039509	Nup133	0.027642984	0.23974827
ENSMUSG00000007476	Lrrc8a	0.000282179	0.23957349
ENSMUSG00000040850	Psme4	0.003083285	0.239393497
ENSMUSG00000023147	Wrb	0.031585005	0.238986084
ENSMUSG00000021959	Lats2	0.001259063	0.23889056
ENSMUSG00000056612	Ppp1r14b	0.000928536	0.23851727

ENSMUSG00000028381	Ugcg	0.021303971	0.238514594
ENSMUSG00000032058	Ppp2r1b	0.000641557	0.238207268
ENSMUSG00000028173	Wls	9.96E-05	0.237771567
ENSMUSG00000071856	Mcc	0.004557602	0.236717143
ENSMUSG00000034880	Mrpl34	0.00071372	0.236635639
ENSMUSG00000039234	Sec24d	0.01800656	0.236602734
ENSMUSG00000054604	Cggbp1	0.000816297	0.236442542
ENSMUSG00000063889	Crem	0.026999703	0.236312171
ENSMUSG00000020134	Peli1	0.000304106	0.236094808
ENSMUSG00000039046	Usp6nl	0.003253466	0.236073686
ENSMUSG00000017210	Med24	0.021071364	0.235937424
ENSMUSG00000038416	Cdc16	0.001246346	0.235863853
ENSMUSG00000022095	Fam160b2	0.008317302	0.235420788
ENSMUSG00000043895	S1pr2	0.01789565	0.235297627
ENSMUSG00000025871	4833439L19Rik	0.000479621	0.235186966
ENSMUSG00000027315	Spint1	0.000139516	0.235181848
ENSMUSG00000022533	Atp13a3	0.001183486	0.234931623
ENSMUSG00000014867	Surf4	0.003925802	0.234890003
ENSMUSG00000036333	Kidins220	0.00054884	0.234661675
ENSMUSG00000025041	Nt5c2	0.000369947	0.234588244
ENSMUSG00000039770	Ypel5	0.000150815	0.234568949
ENSMUSG00000004394	Tmed4	0.000481672	0.234458131
ENSMUSG00000019818	Cd164	0.005121517	0.234303375
ENSMUSG00000061950	Ppp4r1	0.004032975	0.233449883
ENSMUSG00000017721	Pigt	0.000117777	0.23341876
ENSMUSG00000027695	Pld1	0.037754498	0.233155433
ENSMUSG00000021910	Nisch	0.000580738	0.232891138
ENSMUSG00000005533	Igf1r	0.002633653	0.232854786
ENSMUSG00000058672	Tubb2a	0.000323772	0.23270989
ENSMUSG00000015869	Prpsap1	0.00264634	0.232619055
ENSMUSG00000038387	Rras	0.01505835	0.232558609
ENSMUSG00000025203	Scd2	0.049325843	0.232544917
ENSMUSG00000025821	Zfp282	0.00319673	0.232462173
ENSMUSG00000040462	Os9	0.002652027	0.232358492
ENSMUSG00000019338	Zfp687	0.012988594	0.232325395
ENSMUSG00000020305	Asb3	0.008924255	0.2313312
ENSMUSG00000030718	Ppme1	0.003027373	0.231252791
ENSMUSG00000051343	Rab11fip5	0.01689526	0.231144554
ENSMUSG00000026150	Mff	0.000608695	0.230807672
ENSMUSG00000036275	9530068E07Rik	0.000120407	0.230555962
ENSMUSG00000026219	Trip12	0.001638187	0.230544751
ENSMUSG00000015932	Dstn	0.000284459	0.230513549
ENSMUSG00000022391	Rangap1	0.003847988	0.230455248
ENSMUSG00000019826	Zbtb24	0.001761902	0.230393575
ENSMUSG00000005417	Mprip	0.000229717	0.230074707
ENSMUSG00000021177	Tdp1	0.049858398	0.230016876
ENSMUSG00000074305	Peak1	0.001869542	0.229967249

ENSMUSG00000032171	Pin1	0.000452449	0.229713723
ENSMUSG00000037351	Actr1b	0.018230556	0.229709094
ENSMUSG00000002249	Tead3	0.00113771	0.22968649
ENSMUSG00000039568	Ubald1	0.030135142	0.229468906
ENSMUSG00000024900	Cpt1a	0.012429874	0.229462547
ENSMUSG00000068220	Lgals1	0.001725048	0.229300654
ENSMUSG00000042595	Fam199x	0.003109914	0.229114528
ENSMUSG00000024807	Syvn1	0.000493529	0.228709611
ENSMUSG00000041891	Lman1	0.006922315	0.228667079
ENSMUSG00000051412	Vamp7	0.00016964	0.22860877
ENSMUSG00000035086	Becn1	0.001527327	0.228506884
ENSMUSG00000042688	Mapk6	0.018182063	0.227548767
ENSMUSG00000022035	Ccdc25	0.005323151	0.227544634
ENSMUSG00000036934	4921524J17Rik	0.033074732	0.22749408
ENSMUSG00000020397	Med7	0.007914417	0.227491455
ENSMUSG00000019087	Atp6ap1	0.000141191	0.227412302
ENSMUSG00000032777	Gtf3c1	0.000972594	0.227311622
ENSMUSG00000056050	Mia3	0.001844677	0.227219988
ENSMUSG00000038280	Ostm1	0.000438109	0.227091572
ENSMUSG00000023452	Pisd	0.00113236	0.2268261
ENSMUSG00000066880	Zfp617	0.012964493	0.226664227
ENSMUSG00000059689	Zfp637	0.009822625	0.226573999
ENSMUSG00000036620	Mgat4b	0.001356024	0.226568451
ENSMUSG00000037035	Inhbb	0.000196461	0.226270089
ENSMUSG00000040648	Ppip5k2	0.002779581	0.226111848
ENSMUSG00000027198	Ext2	0.000464146	0.226069206
ENSMUSG00000034931	Dhx8	0.031643967	0.225602303
ENSMUSG00000000738	Spg7	0.009974926	0.225543128
ENSMUSG00000028274	Rngtt	0.006144069	0.225448452
ENSMUSG00000040423	Rc3h1	0.021159711	0.225030293
ENSMUSG00000040841	Six5	0.039752457	0.224986762
ENSMUSG00000034457	Eda2r	0.004003592	0.224981963
ENSMUSG00000028032	Papss1	0.007975703	0.224779987
ENSMUSG00000091264	Smim13	0.022792203	0.224667875
ENSMUSG00000053094	Tmem248	0.003340706	0.224590489
ENSMUSG00000028411	Aptx	0.013487954	0.22453116
ENSMUSG00000005566	Trim28	0.005771818	0.224398555
ENSMUSG00000026229	Psm1	0.009406671	0.224196148
ENSMUSG00000037474	Dtl	0.013422263	0.224157088
ENSMUSG00000021549	Rasa1	0.004158832	0.224155742
ENSMUSG00000018659	Pnpo	0.007891106	0.224002132
ENSMUSG00000039230	Tbcd	0.001459359	0.223780243
ENSMUSG00000029064	Gnb1	0.000429271	0.223755268
ENSMUSG00000032553	Srprb	0.018981554	0.223748778
ENSMUSG00000040151	Hs2st1	0.033163961	0.223496599
ENSMUSG00000005225	Plekha8	0.048217971	0.223397589
ENSMUSG00000027287	Snap23	0.0130238	0.223109308

ENSMUSG00000031433	Rbm41	0.03748878	0.222928621
ENSMUSG00000037029	Zfp146	0.040780429	0.22292371
ENSMUSG00000002741	Ykt6	0.017895437	0.22288756
ENSMUSG000000031737	Irx5	0.00400602	0.222870997
ENSMUSG00000027852	Nras	0.018896031	0.222863907
ENSMUSG00000004127	Trmt10a	0.04198939	0.222316827
ENSMUSG00000001655	Hoxc13	0.01682864	0.22225405
ENSMUSG00000022175	Lrp10	0.002898423	0.222239398
ENSMUSG00000021131	Erh	0.00952948	0.22204834
ENSMUSG00000062115	Rai1	0.000923439	0.221929784
ENSMUSG000000039130	Zc3hc1	0.037160594	0.221874766
ENSMUSG000000035212	Leprot	0.004643192	0.221755291
ENSMUSG000000049562	Ap5b1	0.018348139	0.221393752
ENSMUSG00000002428	Hltf	0.002491374	0.221092935
ENSMUSG00000026942	Traf2	0.007163843	0.221054919
ENSMUSG00000028431	lkbkap	0.044769213	0.220535044
ENSMUSG00000038417	Fig4	0.000989277	0.220495144
ENSMUSG000000038957	Ecd3	0.00390529	0.220416201
ENSMUSG000000035569	Ankrd11	0.000297165	0.220266958
ENSMUSG000000005078	Jkamp	0.027744085	0.220206491
ENSMUSG00000021782	Dlg5	0.039118212	0.219994777
ENSMUSG000000033446	Lpar6	0.04802501	0.219987997
ENSMUSG00000028948	Nol9	0.043244446	0.219893052
ENSMUSG00000028251	Tstd3	0.016181988	0.218768545
ENSMUSG000000019854	Reps1	0.006620112	0.218719689
ENSMUSG000000114797	Nupl1	0.022371789	0.218678179
ENSMUSG00000026421	Csrp1	0.001296913	0.218661429
ENSMUSG00000020114	Cand1	0.017192472	0.218511416
ENSMUSG00000003865	Gys1	0.023647543	0.217959201
ENSMUSG000000043067	Dpy19l1	0.001142769	0.217598575
ENSMUSG00000029392	Rilpl1	0.031448876	0.217375766
ENSMUSG000000091900	Gm4353	0.020351492	0.217311173
ENSMUSG00000026239	Pde6d	0.009122481	0.21692986
ENSMUSG000000034024	Cct2	0.000261288	0.21680245
ENSMUSG000000034390	Cmip	0.002470326	0.216664238
ENSMUSG00000029635	Cdk8	0.004700107	0.216518782
ENSMUSG000000037784	Dzip1l	0.010261943	0.216460064
ENSMUSG00000022329	Stk3	0.002046545	0.215698179
ENSMUSG000000039347	Atp6v0e2	0.004889999	0.2156295
ENSMUSG000000031545	Gpat4	0.022042125	0.215449065
ENSMUSG000000037204	Atg101	0.018185686	0.215347053
ENSMUSG000000048920	Fkrp	0.003665711	0.215038127
ENSMUSG00000022307	Oxr1	0.01356998	0.214990778
ENSMUSG000000056537	Rlim	0.000461923	0.21485498
ENSMUSG00000021598	Med10	0.005403161	0.214762539
ENSMUSG000000073079	Srp54	0.002690195	0.214636289
ENSMUSG00000024947	Men1	0.004879069	0.214387355

ENSMUSG00000106695	Men1	0.004879069	0.214387355
ENSMUSG00000015837	Sqstm1	0.006570939	0.214347437
ENSMUSG00000051934	Spats2	0.00949293	0.214301601
ENSMUSG00000027361	Gabpb1	0.006869353	0.214217541
ENSMUSG00000020232	Hmg20b	0.0065036	0.214037902
ENSMUSG00000041763	Tpp2	0.001956451	0.213727361
ENSMUSG00000036948	BC037034	0.012026169	0.213710916
ENSMUSG00000064368	mt-Nd6	0.000761062	0.213517925
ENSMUSG00000033684	Qsox1	0.004769519	0.213116663
ENSMUSG00000020806	Rhbdf2	0.024678032	0.212960283
ENSMUSG00000014601	Strip1	0.003749641	0.212924296
ENSMUSG00000041360	Pum3	0.03059466	0.211897282
ENSMUSG00000022772	Senp5	0.010348796	0.211794339
ENSMUSG00000034254	Agpat1	0.001893494	0.211614492
ENSMUSG00000029148	Nrbp1	0.001449346	0.211481008
ENSMUSG00000032477	Cdc25a	0.037279732	0.211155983
ENSMUSG00000046556	Zfp319	0.002881206	0.211059868
ENSMUSG00000035403	Crb2	0.002086021	0.210907806
ENSMUSG00000031703	Itfg1	0.000556071	0.210400774
ENSMUSG00000030327	Necap1	0.016221163	0.210249316
ENSMUSG00000029147	Ppm1g	0.001167855	0.210174296
ENSMUSG00000027642	Rpn2	0.001414256	0.209971718
ENSMUSG00000003070	Efna2	0.018956222	0.209931608
ENSMUSG00000021253	Tgfb3	0.017999646	0.209843632
ENSMUSG00000025209	Twink	0.011581565	0.209776082
ENSMUSG00000050079	Rspry1	0.008848066	0.208947695
ENSMUSG00000028837	Psmb2	0.001438453	0.208698077
ENSMUSG00000003955	Fam162a	0.003027373	0.208373431
ENSMUSG00000030704	Rab6a	0.000622814	0.208032391
ENSMUSG000000095677	Dynlt1f	0.002782879	0.207993712
ENSMUSG00000019467	Arhgef25	0.042984504	0.207880603
ENSMUSG00000062825	Actg1	0.005087106	0.207685506
ENSMUSG00000050397	Foxl2	0.003519723	0.207667614
ENSMUSG00000029203	Ube2k	0.001381202	0.207574554
ENSMUSG00000021693	Kif2a	0.005672739	0.20754037
ENSMUSG00000047766	Lrrc49	0.037754498	0.207454633
ENSMUSG00000031728	Zfp821	0.026556805	0.20737868
ENSMUSG00000064363	mt-Nd4	0.007030903	0.207377386
ENSMUSG00000022951	Rcan1	0.037754498	0.207285177
ENSMUSG00000026857	Ntmt1	0.011712467	0.207207542
ENSMUSG00000034659	Tmem109	0.005670934	0.207193186
ENSMUSG00000068039	Tcp1	0.001361393	0.207103408
ENSMUSG00000029599	Ddx54	0.001219015	0.206777317
ENSMUSG00000038170	Pde4dip	0.003688299	0.206581736
ENSMUSG00000032366	Tpm1	0.001524639	0.206360792
ENSMUSG00000030870	Ubfd1	0.02815837	0.2062177
ENSMUSG00000028944	Prkag2	0.03429085	0.205720709

ENSMUSG00000020736	Nt5c	0.004129296	0.205651935
ENSMUSG00000015749	Anp32e	0.009506544	0.205595681
ENSMUSG00000027963	Extl2	0.012787138	0.20545076
ENSMUSG00000023942	Slc29a1	0.044951065	0.205335557
ENSMUSG00000030172	Erc1	0.007321261	0.204941469
ENSMUSG00000071652	Ints5	0.002777693	0.204878429
ENSMUSG00000063160	Numbl	0.017298042	0.204720112
ENSMUSG00000041164	Zmiz2	0.0013776	0.204649781
ENSMUSG00000047714	Ppp1r2	0.043679651	0.204626141
ENSMUSG00000042901	Aida	0.027100218	0.204614867
ENSMUSG00000000378	Ccm2	0.004202563	0.204514046
ENSMUSG00000045868	Gvin1	0.018488857	0.20435363
ENSMUSG00000038034	Igsf8	0.003367021	0.204063683
ENSMUSG00000029338	Antxr2	0.001218382	0.204038457
ENSMUSG00000039960	Rhou	0.012790874	0.203791258
ENSMUSG00000032557	Uba5	0.004399673	0.203789425
ENSMUSG00000018965	Ywhah	0.039512553	0.203639791
ENSMUSG00000038658	Ric1	0.008941993	0.203477933
ENSMUSG00000000605	Clcn4	0.001619304	0.203331547
ENSMUSG00000041135	Ripk2	0.003161203	0.203162393
ENSMUSG00000026867	Gapvd1	0.003906373	0.203090041
ENSMUSG00000034075	Zdhhc5	0.016184602	0.203063456
ENSMUSG00000039043	Arpin	0.043172828	0.202802235
ENSMUSG00000021975	Ints9	0.031585005	0.202720206
ENSMUSG00000026240	Cops7b	0.021457868	0.202709361
ENSMUSG00000056204	Pgpep1	0.040194352	0.202683066
ENSMUSG00000071645	Tut1	0.009233604	0.202631087
ENSMUSG00000033585	Ndn	0.004992349	0.202490742
ENSMUSG00000027080	Med19	0.013402135	0.202253684
ENSMUSG00000019984	Med23	0.02774061	0.202191487
ENSMUSG0000001924	Uba1	0.000841183	0.202018971
ENSMUSG00000000420	Galnt1	0.003338249	0.201937732
ENSMUSG00000033557	Fam20b	0.002369008	0.201803699
ENSMUSG00000032409	Atr	0.046361405	0.201710963
ENSMUSG00000039704	Lmbrd2	0.015611811	0.201356591
ENSMUSG00000034601	2700049A03Rik	0.032339362	0.201297741
ENSMUSG00000024660	Incenp	0.018420927	0.201265676
ENSMUSG00000033855	Ston1	0.003929322	0.201136164
ENSMUSG00000022684	Bfar	0.042447064	0.200986327
ENSMUSG00000041415	Dicer1	0.013415412	0.199970649
ENSMUSG00000030319	Cand2	0.011914503	0.199745847
ENSMUSG00000032423	Syncrip	0.006166949	0.199111402
ENSMUSG00000050310	Rictor	0.015638718	0.198589137
ENSMUSG00000064370	mt-Cytb	0.015941284	0.198468949
ENSMUSG0000001774	Chordc1	0.025783001	0.198247735
ENSMUSG00000009470	Tnpo1	0.001646084	0.198038327
ENSMUSG00000034333	Zbed4	0.037658056	0.197890704

ENSMUSG00000025730	Rab40c	0.04653143	0.197161983
ENSMUSG00000036299	BC031181	0.001716567	0.196863982
ENSMUSG00000030291	Med21	0.023210779	0.1968197
ENSMUSG00000030180	Kdm5a	0.015205234	0.196635776
ENSMUSG00000027828	Ssr3	0.007088293	0.196482019
ENSMUSG00000027714	Exosc9	0.046091882	0.196139827
ENSMUSG00000037949	Ano10	0.009885287	0.195845944
ENSMUSG00000031807	Pgls	0.004908293	0.195488975
ENSMUSG00000018209	Stk4	0.020942513	0.195343045
ENSMUSG00000051185	Fam174a	0.00858598	0.195320558
ENSMUSG00000006169	Clint1	0.001575388	0.194755625
ENSMUSG00000078652	Psme3	0.006503816	0.194740395
ENSMUSG00000025178	Pi4k2a	0.00469958	0.194303579
ENSMUSG00000039835	Nhs1	0.015551395	0.194055184
ENSMUSG00000034674	Tdg	0.041654251	0.193978364
ENSMUSG00000050555	Hyls1	0.0439297	0.193964129
ENSMUSG00000024007	Ppil1	0.020665212	0.193919309
ENSMUSG00000031622	Sin3b	0.0044157	0.193807279
ENSMUSG00000051413	Plagl2	0.026082444	0.193784344
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ENSMUSG00000031826	Usp10	0.042716627	0.193507657
ENSMUSG00000019158	Tmem160	0.006390944	0.193439295
ENSMUSG00000027893	Ahcyl1	0.012764549	0.193143285
ENSMUSG00000069495	Epc2	0.026117896	0.192746607
ENSMUSG0000003269	Cyth2	0.004202563	0.192401848
ENSMUSG00000048668	Rhno1	0.017178616	0.192061553
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ENSMUSG00000029066	Mrpl20	0.016250811	0.191933411
ENSMUSG00000029486	Mrpl1	0.048449027	0.19181278
ENSMUSG0000003421	Nosip	0.034263017	0.191708802
ENSMUSG00000010461	Eya4	0.033765064	0.191417794
ENSMUSG00000022634	Yaf2	0.004689055	0.191029461
ENSMUSG00000032602	Slc25a20	0.025192083	0.190947544
ENSMUSG00000035764	Fbxo45	0.031662931	0.190940125
ENSMUSG00000041570	Camsap2	0.00473093	0.190578632
ENSMUSG00000019975	Ikkip	0.008794977	0.190452227
ENSMUSG00000057982	Zfp809	0.026916925	0.190149855
ENSMUSG00000064356	mt-Atp8	0.035634645	0.189924653
ENSMUSG00000031781	Ciapi1	0.020058241	0.189568878
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ENSMUSG00000049300	Prmt6	0.032735177	0.187806038
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ENSMUSG00000040158	Tax1bp3	0.008284813	0.187566077
ENSMUSG00000038456	Dennd2a	0.007808045	0.187409176
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ENSMUSG00000049288	Lix1l	0.041903941	0.186751128
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ENSMUSG00000022142	Nup155	0.049259314	0.186164909
ENSMUSG00000018398	08-Sep	0.008166289	0.18608966
ENSMUSG00000020918	Kat2a	0.045257106	0.185997848
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ENSMUSG00000005899	Smpd4	0.042606298	0.178435179
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ENSMUSG00000031422	Morf4l2	0.008015256	0.176683527
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ENSMUSG0000002233	Rhoc	0.029239163	0.172812568
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ENSMUSG00000064358	mt-Co3	0.041571302	0.172232937
ENSMUSG00000019188	H13	0.031171988	0.171220262
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ENSMUSG00000030826	Bcat2	0.027542358	-0.167559421
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ENSMUSG00000028893	Sesn2	0.042514301	-0.168343832
ENSMUSG00000046364	Rpl27a	0.008691356	-0.16834882
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ENSMUSG00000032959	Pebp1	0.005760419	-0.170203696
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ENSMUSG00000020056	Washc3	0.024284428	-0.170664475
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ENSMUSG00000035203	Epn1	0.009362075	-0.171426238
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ENSMUSG00000025791	Pgm2	0.022428591	-0.171996179
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ENSMUSG00000049760	2410015M20Rik	0.014972127	-0.172077079
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ENSMUSG00000042043	Tbca	0.007185752	-0.173041121
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ENSMUSG00000058454	Dhcr7	0.005834269	-0.22965669
ENSMUSG000000061474	Mrps36	0.002235069	-0.229682541
ENSMUSG00000031231	Cox7b	0.000658737	-0.229855043
ENSMUSG00000021143	Pacs2	0.000250289	-0.229964945
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ENSMUSG00000026578	Ccdc181	0.007504406	-0.231145023
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ENSMUSG00000025192	Entpd7	0.033322279	-0.231169367
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ENSMUSG00000058603	Rpl28-ps1	0.000144898	-0.231345252

ENSMUSG00000060538	Tmem219	0.025701824	-0.231363514
ENSMUSG00000063931	Pepd	0.002470025	-0.231462703
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ENSMUSG00000033938	Ndufb7	0.000330518	-0.232099761
ENSMUSG00000033543	Gtf2a2	0.001072002	-0.232518186
ENSMUSG00000059447	Hadhb	0.001176858	-0.232675
ENSMUSG00000032018	Sc5d	0.017685004	-0.232948868
ENSMUSG00000020741	Cluh	0.027461539	-0.232975692
ENSMUSG00000047250	Ptgs1	0.002046545	-0.233170394
ENSMUSG00000087260	Lamtor5	0.000304106	-0.233251574
ENSMUSG00000024194	Cuta	0.000538452	-0.233413736
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ENSMUSG00000024525	Impa2	0.026082444	-0.234186661
ENSMUSG00000004285	Atp6v1f	0.000282007	-0.234824663
ENSMUSG00000003072	Atp5d	8.07E-05	-0.234826746
ENSMUSG00000016427	Ndufa1	0.001407742	-0.235192312
ENSMUSG00000031245	Hmgn5	0.045791634	-0.235322206
ENSMUSG00000010607	Pigyl	0.004663722	-0.235665099
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ENSMUSG00000027763	Mbnl1	0.001031719	-0.235790247
ENSMUSG00000030678	Maz	0.008740221	-0.235802832
ENSMUSG00000033916	Chmp2a	0.000127357	-0.235857717
ENSMUSG00000049489	Fam58b	0.009160034	-0.235956147
ENSMUSG00000025225	Nfkb2	0.000401484	-0.236104436
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ENSMUSG00000021785	Ngly1	0.048217971	-0.236695788
ENSMUSG00000027775	Mfsd1	0.028327751	-0.236790192
ENSMUSG00000027282	Mtch2	0.00023451	-0.237133784
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ENSMUSG00000026014	Raph1	0.014916211	-0.237334192
ENSMUSG00000062352	Itgb1bp1	0.003127556	-0.238104328
ENSMUSG00000050732	Vamp8	9.30E-05	-0.238325056
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ENSMUSG00000006299	Aamp	8.37E-05	-0.238607354
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ENSMUSG00000006024	Napa	0.00190997	-0.239049943
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ENSMUSG00000026094	Stk17b	0.00115477	-0.241178612
ENSMUSG00000074064	Mlycd	0.048612208	-0.241280626

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ENSMUSG00000029063	Nadk	0.010338688	-0.241440466
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ENSMUSG00000031488	Rab11fip1	0.022856462	-0.246681864
ENSMUSG00000031158	Timm17b	0.01789565	-0.246784482
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ENSMUSG00000030086	Chchd6	0.01789565	-0.252797811
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ENSMUSG00000034248	Slc25a37	0.006893057	-0.259627771
ENSMUSG00000034371	Tkfc	0.001153157	-0.259660111
ENSMUSG00000023074	Mospd1	0.003809991	-0.259719401
ENSMUSG00000040952	Rps19	2.43E-05	-0.2597585
ENSMUSG00000026674	Ddr2	0.000144951	-0.259836689
ENSMUSG00000014075	Tctex1d2	0.048876694	-0.260148869
ENSMUSG00000091780	Sco2	0.010464024	-0.26057485
ENSMUSG00000005514	Por	0.000116666	-0.260892932
ENSMUSG00000050552	Lamtor4	0.0001067	-0.261287772
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ENSMUSG00000032239	Rp9	0.002747292	-0.261569428
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ENSMUSG00000056234	Ncoa4	0.000729375	-0.264544094
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ENSMUSG0000001786	Fbxo7	0.002187884	-0.267737749
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ENSMUSG00000058833	Rex1bd	6.93E-05	-0.268343729
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ENSMUSG00000025736	Jmjd8	0.016250811	-0.270720205
ENSMUSG00000020605	Hs1bp3	0.013773624	-0.270735921
ENSMUSG00000040212	Emp3	1.10E-05	-0.270835355
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ENSMUSG00000007812	Zfp655	0.000944393	-0.273468488
ENSMUSG00000058239	Usf2	0.000219459	-0.273565507
ENSMUSG00000029596	Sdsl	0.001977894	-0.273940899
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ENSMUSG00000026519	Tmem63a	0.006541315	-0.274600476
ENSMUSG00000037643	Prkci	0.006655002	-0.274696263
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ENSMUSG00000028248	Pnlsr	0.006352603	-0.27628824
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ENSMUSG00000049076	Acap2	0.005142119	-0.280680308
ENSMUSG00000056608	Chd9	7.61E-06	-0.280760203
ENSMUSG00000032218	Ccnb2	0.014763162	-0.280764947
ENSMUSG00000028066	Pmf1	0.031417054	-0.28076511
ENSMUSG00000030342	Cd9	0.009162487	-0.280958871
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ENSMUSG00000021036	Sptlc2	0.001317024	-0.282288174
ENSMUSG00000050043	Tmx2	4.18E-05	-0.282347262
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ENSMUSG00000019082	Slc25a22	0.007555278	-0.295283362
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ENSMUSG00000055553	Kxd1	0.005275268	-0.298535997
ENSMUSG00000028646	Rragc	2.45E-05	-0.29867945
ENSMUSG00000023495	Pcbp4	0.001864913	-0.298859365
ENSMUSG00000020420	Zfp607a	0.008390471	-0.299499889

ENSMUSG00000078903	Gm14391	0.033028366	-0.29960694
ENSMUSG00000038459	Abhd17c	9.49E-07	-0.299626394
ENSMUSG00000002797	Ggct	0.030872248	-0.299664644
ENSMUSG00000025076	Casp7	0.008988149	-0.29992231
ENSMUSG00000017057	Il13ra1	0.035776527	-0.300025184
ENSMUSG00000029591	Ung	0.004224934	-0.300048882
ENSMUSG00000014633	Cmc2	0.00400602	-0.300050924
ENSMUSG00000024997	Prdx3	1.87E-06	-0.300094275
ENSMUSG00000022013	Dnajc15	0.030135142	-0.300630749
ENSMUSG00000041935	AW549877	0.046085045	-0.30084311
ENSMUSG00000062981	Mrpl42	4.69E-06	-0.301076812
ENSMUSG00000074211	Sdhaf1	0.000315983	-0.30111777
ENSMUSG00000032633	Flcn	5.85E-06	-0.301319988
ENSMUSG00000025812	Pard3	0.000360587	-0.301373141
ENSMUSG00000002059	Rab34	5.59E-07	-0.301482029
ENSMUSG00000041483	Zfp281	0.000766899	-0.30148798
ENSMUSG00000005510	Ndufs3	9.13E-06	-0.301863218
ENSMUSG000000111727	Ndufs3	9.13E-06	-0.301863218
ENSMUSG00000028525	Pde4b	0.020973242	-0.302696398
ENSMUSG00000063200	Nol7	0.009822625	-0.303270039
ENSMUSG00000004044	Cavin1	3.12E-05	-0.304188972
ENSMUSG00000024981	Acsl5	0.001776197	-0.304336703
ENSMUSG00000029128	Rab28	7.91E-05	-0.304538969
ENSMUSG00000060152	Pop5	0.002128521	-0.305172673
ENSMUSG00000026853	Crat	0.00038042	-0.305206328
ENSMUSG00000026604	Ptpn14	2.24E-06	-0.305242349
ENSMUSG00000071722	Spin4	0.023821331	-0.305848037
ENSMUSG00000036249	Rbm43	0.000261288	-0.306552581
ENSMUSG00000031355	Arhgap6	0.000402033	-0.30721276
ENSMUSG00000039058	Ak5	0.003756738	-0.307490542
ENSMUSG00000000171	Sdhd	1.13E-07	-0.307798709
ENSMUSG00000024101	Washc1	0.001446519	-0.307896598
ENSMUSG00000024589	Nedd4l	8.97E-06	-0.308133357
ENSMUSG00000005674	Tomm40l	0.000149502	-0.308617664
ENSMUSG00000032251	Irak1bp1	9.58E-05	-0.309497263
ENSMUSG00000015839	Nfe2l2	0.022454426	-0.310623664
ENSMUSG00000031782	Coq9	0.003307898	-0.310631352
ENSMUSG00000026003	Acadl	1.42E-07	-0.311362967
ENSMUSG00000041560	Nop53	0.000157159	-0.311520137
ENSMUSG00000022139	Mbnl2	2.81E-07	-0.311568661
ENSMUSG00000026687	Aldh9a1	2.71E-06	-0.312338496
ENSMUSG00000030872	Gga2	7.16E-07	-0.312450233
ENSMUSG00000029178	Klf3	0.046428321	-0.312795181
ENSMUSG00000009995	Taz	0.026555288	-0.31302886
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ENSMUSG00000083380	Gm3244	0.000154026	-0.313390013

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ENSMUSG00000068264	Ap5s1	0.002764775	-0.313918504
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ENSMUSG00000043398	Gpr135	0.000426178	-0.314487428
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ENSMUSG00000027423	Snx5	1.24E-05	-0.314919004
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ENSMUSG00000079003	Samd1	0.007278832	-0.315303492
ENSMUSG00000006315	Tmem147	8.90E-08	-0.31559631
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ENSMUSG00000015806	Qdpr	2.30E-06	-0.316012566
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ENSMUSG00000005951	Shpk	0.009214718	-0.319041649
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ENSMUSG000000051184	Zfp524	0.003861279	-0.321530826
ENSMUSG000000034353	Ramp1	0.04691763	-0.321864157
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ENSMUSG000000026283	Ing5	6.84E-05	-0.322525775
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ENSMUSG000000050910	Cdr2l	4.50E-08	-0.324164624
ENSMUSG000000035011	Zbtb7a	1.33E-05	-0.324489236
ENSMUSG000000025795	Rassf3	0.004756162	-0.324591688
ENSMUSG000000070394	Tmem256	2.12E-06	-0.324823488
ENSMUSG000000040414	Slc25a28	2.97E-05	-0.324865217
ENSMUSG000000025533	Asl	3.19E-06	-0.325466877
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ENSMUSG00000007036	Abhd16a	0.000453396	-0.32595335
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ENSMUSG000000040370	Etfrf1	0.00562415	-0.326350508
ENSMUSG000000030695	Aldoa	2.04E-07	-0.326610876
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ENSMUSG000000078864	Gm14322	0.036699156	-0.327984134
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ENSMUSG000000032827	Ppp1r9a	0.048612208	-0.328101126
ENSMUSG000000033475	Tomm6	2.17E-08	-0.328348023
ENSMUSG000000055013	Agap1	1.78E-06	-0.328738836

ENSMUSG00000063488	Zkscan7	0.040219585	-0.328887975
ENSMUSG00000070572	Trmt112-ps2	0.002160607	-0.329148262
ENSMUSG00000032046	Abhd12	3.78E-08	-0.329519106
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ENSMUSG0000002395	Use1	9.45E-06	-0.330756623
ENSMUSG00000024188	Luc7l	2.12E-07	-0.331372585
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ENSMUSG00000022898	Dscr3	0.015306245	-0.332613645
ENSMUSG00000061665	Cd2ap	0.006442752	-0.332844788
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ENSMUSG00000032092	Mpzl2	8.52E-05	-0.334074855
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ENSMUSG00000022223	Sdr39u1	0.000459744	-0.334747428
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ENSMUSG00000041199	Rpusd1	6.62E-05	-0.335542184
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ENSMUSG00000015652	Steap1	0.011333845	-0.339963643
ENSMUSG00000048967	Yjefn3	0.016464397	-0.340135442
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ENSMUSG00000024253	Dync2li1	7.18E-06	-0.341716794
ENSMUSG00000050608	Minos1	1.92E-06	-0.34256126
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ENSMUSG00000037112	Sik2	0.000110741	-0.34290984
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ENSMUSG00000037960	Card19	9.48E-07	-0.343190574
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ENSMUSG00000020375	Rufy1	0.00110918	-0.343996463
ENSMUSG00000021752	Kctd6	0.000785667	-0.344207041
ENSMUSG00000038085	Cnbd2	0.000423059	-0.345673875
ENSMUSG00000030614	Tmem126b	0.00979835	-0.346003178
ENSMUSG00000042032	Mat2b	0.000399511	-0.346551387
ENSMUSG00000058076	Sdhc	9.37E-09	-0.346757749
ENSMUSG00000040033	Stat2	0.005618708	-0.347120305
ENSMUSG00000036138	Acaa1a	0.000272078	-0.348028561
ENSMUSG00000020919	Stat5b	0.002809383	-0.348337432
ENSMUSG00000052139	Babam2	0.00063356	-0.348349814
ENSMUSG00000020069	Hnrnph3	1.18E-05	-0.34865687
ENSMUSG00000045659	Plekha7	0.004645826	-0.34915344
ENSMUSG00000037628	Cdkn3	0.038557257	-0.349225885
ENSMUSG00000033793	Atp6v1h	9.20E-10	-0.35043622
ENSMUSG00000027406	Idh3b	1.26E-09	-0.350614297
ENSMUSG00000020829	Slc46a1	4.25E-05	-0.351219072
ENSMUSG00000062309	Rpp25	0.032509855	-0.351618506
ENSMUSG00000016252	Atp5e	1.87E-09	-0.351793171
ENSMUSG00000025351	Cd63	2.33E-08	-0.351817462
ENSMUSG00000040429	Mterf1a	0.017693784	-0.352191622
ENSMUSG00000039308	Ndst2	0.012086527	-0.352213322
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ENSMUSG00000022956	Atp5o	1.21E-08	-0.353513356
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ENSMUSG00000021460	Auh	0.041524164	-0.356362896
ENSMUSG00000036718	Micall2	1.58E-05	-0.356374736
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ENSMUSG00000034998	Foxn2	2.73E-05	-0.357218943
ENSMUSG00000031134	Rbmx	0.004177034	-0.357590453
ENSMUSG00000025781	Atp5c1	3.07E-10	-0.357656202
ENSMUSG00000020022	Ndufa12	2.17E-08	-0.358162427
ENSMUSG00000056498	Tmem154	0.003843689	-0.35859176
ENSMUSG00000040746	Rnf167	0.010318346	-0.359048798
ENSMUSG00000054263	Lifr	0.038958902	-0.359624123
ENSMUSG00000091803	Cox16	2.00E-05	-0.359944985
ENSMUSG00000027109	Sp3	0.000745382	-0.360169594

ENSMUSG0000002227	Mov10	0.046319275	-0.360340614
ENSMUSG00000060126	Tpt1	3.29E-05	-0.360601844
ENSMUSG00000024246	Thumpd2	0.036209751	-0.360665796
ENSMUSG00000091577	Gm6211	0.039701669	-0.361103334
ENSMUSG00000033885	Pxk	1.66E-07	-0.361195799
ENSMUSG00000013622	Atraid	0.000396541	-0.361212106
ENSMUSG00000031604	Msmo1	0.008348432	-0.361462539
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ENSMUSG00000021775	Nr1d2	0.025485808	-0.362876628
ENSMUSG00000025193	Cutc	0.002158475	-0.363460195
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ENSMUSG00000084319	Tpt1-ps3	1.51E-06	-0.364719307
ENSMUSG00000028974	Dffa	0.003576193	-0.364750142
ENSMUSG00000028559	Osblp9	0.000663148	-0.364882597
ENSMUSG00000032271	Nnmt	2.24E-06	-0.365029238
ENSMUSG00000004270	Lpcat3	5.12E-07	-0.365186071
ENSMUSG00000018428	Akap1	0.039663456	-0.36608073
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ENSMUSG00000037499	Nenf	8.76E-05	-0.368790733
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ENSMUSG00000003200	Sh3gl1	1.04E-10	-0.371609708
ENSMUSG00000024038	Ndufv3	9.02E-09	-0.371933777
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ENSMUSG00000025937	Lactb2	0.005861379	-0.374588964
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ENSMUSG00000032314	Etfa	6.66E-10	-0.375321446
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ENSMUSG00000025428	Atp5a1	1.36E-11	-0.375584741
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ENSMUSG00000030220	Arhgdib	2.76E-11	-0.376423629
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ENSMUSG00000017718	Afmid	0.024639585	-0.376577168
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ENSMUSG00000058706	0610030E20Rik	0.00042026	-0.387318596
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ENSMUSG00000024425	Ndfip1	0.005533269	-0.390139785

ENSMUSG00000027605	Acss2	0.005187742	-0.390211934
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ENSMUSG00000028672	Hmgcl	0.000451056	-0.391164703
ENSMUSG00000021520	Uqcrb	1.52E-11	-0.391358115
ENSMUSG00000040913	Fbxw4	0.001010389	-0.391433901
ENSMUSG00000022354	Ndufb9	5.77E-12	-0.392027902
ENSMUSG00000015647	Lama5	0.006631023	-0.392304113
ENSMUSG00000037523	Mavs	0.004607692	-0.392670842
ENSMUSG00000020937	Plcd3	0.015272157	-0.394425511
ENSMUSG00000032788	Pdxk	9.79E-07	-0.394522682
ENSMUSG00000027673	Ndufb5	4.76E-11	-0.395151684
ENSMUSG00000008734	Gprc5b	0.000734342	-0.395842203
ENSMUSG00000064105	Cnm2	0.001467519	-0.396064125
ENSMUSG00000062054	Iah1	0.000696454	-0.396983897
ENSMUSG00000045316	Fahd1	2.01E-06	-0.39704362
ENSMUSG00000018752	Tnfsfm13	0.002446266	-0.398181036
ENSMUSG00000040957	Cables1	1.39E-07	-0.398805385
ENSMUSG00000067825	Pex26	0.003038146	-0.399451838
ENSMUSG00000037395	Rcor3	5.75E-05	-0.400616052
ENSMUSG00000111452	Rcor3	5.75E-05	-0.400616052
ENSMUSG00000039246	Lyp1a1	1.23E-05	-0.400762719
ENSMUSG00000021025	Nfkb1a	0.020455399	-0.401949142
ENSMUSG00000078429	Ctdsp2	0.015673048	-0.40198543
ENSMUSG00000030281	Il17rc	0.018653075	-0.402139411
ENSMUSG00000024713	Pcsk5	0.000369576	-0.402154113
ENSMUSG00000046727	Cystm1	3.25E-07	-0.402212197
ENSMUSG00000038208	Pgap3	0.003082862	-0.402284177
ENSMUSG00000078919	Dpm1	0.001945281	-0.402485
ENSMUSG00000041488	Stx3	9.79E-08	-0.402760669
ENSMUSG00000002265	Peg3	0.009694946	-0.403211659
ENSMUSG00000075706	Gpx4	0.00097027	-0.403236042
ENSMUSG00000071757	Zhx2	0.000216153	-0.403312295
ENSMUSG00000041921	Metap1d	0.007461817	-0.403813788
ENSMUSG00000033161	Atp1a1	2.44E-13	-0.404126223
ENSMUSG00000031059	Ndufb11	7.04E-12	-0.404918302
ENSMUSG00000035885	Cox8a	1.50E-07	-0.405055382
ENSMUSG00000026500	Cox20	1.22E-05	-0.405075134
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ENSMUSG00000009376	Met	0.008895962	-0.405110459
ENSMUSG00000066443	Gm10163	0.044971776	-0.405145244
ENSMUSG00000023961	Enpp4	1.42E-09	-0.405305656
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ENSMUSG00000019302	Atp6v0a1	0.000907971	-0.407230708
ENSMUSG00000029673	Auts2	0.000154824	-0.407482603
ENSMUSG00000032398	Snpc5	0.000123737	-0.407821565
ENSMUSG00000020439	Smtn	9.24E-12	-0.408383245
ENSMUSG00000019797	1700021F05Rik	1.10E-07	-0.40886147

ENSMUSG00000046718	Bst2	0.00364423	-0.409137528
ENSMUSG00000029993	Nfu1	1.46E-07	-0.409289235
ENSMUSG00000031292	Cdkl5	0.024248976	-0.409616547
ENSMUSG00000021474	Sfxn1	5.10E-12	-0.411485027
ENSMUSG00000055912	Tmem150a	0.000759921	-0.412041362
ENSMUSG00000102455	Tmem150a	0.000759921	-0.412041362
ENSMUSG00000024856	Cdk2ap2	0.034100474	-0.412540147
ENSMUSG00000097485	Cdk2ap2	0.034100474	-0.412540147
ENSMUSG00000030102	ltp1	0.035776527	-0.412655636
ENSMUSG00000020955	Ap4s1	1.84E-05	-0.413086715
ENSMUSG00000054871	Tmem158	0.019633383	-0.413608088
ENSMUSG00000026456	Cyb5r1	0.000271736	-0.413826476
ENSMUSG00000019966	Kitl	0.043660219	-0.413970428
ENSMUSG00000002825	Qtrt1	0.001710713	-0.414431576
ENSMUSG00000073700	Klhl21	2.90E-06	-0.415169977
ENSMUSG00000042737	Dpm3	1.04E-08	-0.415732679
ENSMUSG00000020889	Nr1d1	0.000443082	-0.416033274
ENSMUSG000000028124	Gclm	1.77E-07	-0.416102571
ENSMUSG00000004043	Stat5a	7.03E-05	-0.41616949
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ENSMUSG00000004040	Stat3	0.015745334	-0.417214782
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ENSMUSG000000020153	Ndufs7	5.78E-11	-0.417914073
ENSMUSG00000037573	Tob1	0.011162357	-0.418176527
ENSMUSG00000042686	Jph1	3.37E-08	-0.41862381
ENSMUSG00000038886	Man2a2	0.00088854	-0.418957542
ENSMUSG00000116235	Trerf1	0.000233707	-0.419492134
ENSMUSG00000042962	Gm5436	0.034069382	-0.419857623
ENSMUSG00000071451	Psmg4	8.27E-06	-0.420492268
ENSMUSG00000017760	Ctsa	0.013260515	-0.42117546
ENSMUSG00000002661	Alkbh7	6.84E-05	-0.42211548
ENSMUSG00000017466	Timp2	0.001804241	-0.42338992
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ENSMUSG00000079511	Gm42688	0.009260501	-0.424434527
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ENSMUSG00000032370	Lactb	5.34E-05	-0.424854036
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ENSMUSG00000034993	Vat1	2.43E-11	-0.426716636
ENSMUSG00000023861	Mpc1	2.64E-07	-0.426887688
ENSMUSG00000054428	Atpif1	3.32E-06	-0.427345059
ENSMUSG00000002020	Ltbp2	0.00308423	-0.428047018
ENSMUSG00000031627	lrf2	0.001726699	-0.428460286
ENSMUSG00000022516	Nudt16l1	2.43E-07	-0.428629478
ENSMUSG00000040883	Tmem205	0.01678827	-0.430509013

ENSMUSG00000046589	Lrrc8e	0.022866948	-0.431744987
ENSMUSG00000032245	Cln6	0.040973792	-0.432143886
ENSMUSG00000000563	Atp5f1	6.81E-15	-0.432519536
ENSMUSG00000029999	Tgfa	0.003458096	-0.435473304
ENSMUSG00000059534	Uqcr10	7.11E-09	-0.43580038
ENSMUSG00000035048	Anapc13	8.75E-06	-0.435988016
ENSMUSG00000029640	Usp12	3.01E-05	-0.436012023
ENSMUSG00000042042	Csgalnact2	2.42E-12	-0.436333408
ENSMUSG00000025785	Exosc7	3.17E-07	-0.436407983
ENSMUSG00000056124	B4galt6	0.0019439	-0.436919821
ENSMUSG00000059495	Arhgef12	0.000477679	-0.438198737
ENSMUSG00000039428	Tmem135	1.20E-06	-0.438671341
ENSMUSG00000037287	Tbcel	0.005525722	-0.43930333
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ENSMUSG00000025545	Clybl	2.34E-05	-0.439640324
ENSMUSG00000066724	Gm10175	2.50E-14	-0.439996791
ENSMUSG00000025190	Got1	5.77E-13	-0.440799595
ENSMUSG00000006818	Sod2	1.47E-12	-0.441077067
ENSMUSG00000039197	Adk	1.07E-09	-0.441486861
ENSMUSG00000026200	Glb1l	0.00047009	-0.442012089
ENSMUSG00000020534	Shmt1	0.000101814	-0.442298624
ENSMUSG00000035891	Cerk	5.19E-05	-0.442394212
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ENSMUSG00000023075	Akirin1	3.49E-06	-0.444688061
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ENSMUSG00000026988	Wdsub1	0.014474124	-0.44576513
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ENSMUSG00000010358	Ifi35	4.54E-05	-0.447900936
ENSMUSG00000041945	Mfsd9	0.030800362	-0.448172898
ENSMUSG00000021482	Aaed1	0.002516581	-0.448528848
ENSMUSG00000006289	Osgep	0.037361124	-0.448596656
ENSMUSG00000021242	Npc2	1.34E-10	-0.448776526
ENSMUSG00000040774	Cept1	1.00E-05	-0.449313802
ENSMUSG00000023027	Atf1	9.95E-08	-0.449732973
ENSMUSG00000058254	Tspan7	1.68E-05	-0.449923354
ENSMUSG00000062382	Ftl1-ps1	0.003547029	-0.45023247
ENSMUSG00000020572	Nampt	5.71E-05	-0.450237878
ENSMUSG00000018449	Rpain	1.70E-06	-0.450921501
ENSMUSG00000021226	Acot2	8.47E-09	-0.451167546

ENSMUSG00000024897	Apba1	0.006548628	-0.451360888
ENSMUSG00000059456	Ptk2b	0.001010389	-0.452764323
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ENSMUSG0000006304	Arpc2	1.71E-05	-0.454765007
ENSMUSG00000060803	Gstp1	2.99E-14	-0.455537121
ENSMUSG00000097830	Gstp1	2.99E-14	-0.455537121
ENSMUSG00000058558	Rpl5	1.30E-08	-0.455614177
ENSMUSG00000022797	Tfrc	5.75E-05	-0.45662519
ENSMUSG00000056666	Retsat	3.96E-08	-0.457241913
ENSMUSG00000069920	B3gnt9	4.92E-08	-0.457760809
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ENSMUSG00000021047	Nova1	0.046469172	-0.458689664
ENSMUSG00000038451	Spsb2	0.007544988	-0.458779167
ENSMUSG00000022469	Rapgef3	0.000140383	-0.458865225
ENSMUSG00000026213	Stk11ip	0.002581558	-0.459719901
ENSMUSG00000023089	Ndufa5	7.14E-11	-0.459916576
ENSMUSG00000032047	Acat1	7.07E-09	-0.46128362
ENSMUSG00000023022	Lima1	8.68E-07	-0.461302394
ENSMUSG00000021339	Mrs2	1.01E-05	-0.461903691
ENSMUSG00000029001	Fbxo44	0.00308134	-0.462687791
ENSMUSG00000036009	Mettl25	0.000166001	-0.463246282
ENSMUSG00000015337	Endog	0.015677103	-0.463624146
ENSMUSG00000024511	Rab27b	2.78E-09	-0.463770967
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ENSMUSG00000024558	Mapk4	4.28E-07	-0.466287336
ENSMUSG00000038859	Baiap2l1	0.006794058	-0.467129199
ENSMUSG00000017631	Abr	3.84E-06	-0.467319375
ENSMUSG00000051817	Sox12	0.001312227	-0.467509383
ENSMUSG00000026202	Tuba4a	3.09E-13	-0.467669989
ENSMUSG0000000628	Hk2	7.62E-14	-0.468497343
ENSMUSG00000110206	Flt3l	0.029698266	-0.469236025
ENSMUSG00000031458	Coprs	3.31E-07	-0.469710562
ENSMUSG00000022146	Osmr	0.004971797	-0.47034666
ENSMUSG00000026385	Dbi	0.000111664	-0.470972293
ENSMUSG00000052911	Lamb2	0.000227543	-0.471186435
ENSMUSG00000010609	Psen2	0.011091484	-0.471220813
ENSMUSG00000090247	Bloc1s1	0.001350324	-0.471263751
ENSMUSG00000035697	Arhgap45	0.016716945	-0.471759826
ENSMUSG00000046329	Slc25a23	0.036290554	-0.472743385
ENSMUSG00000044813	Shb	2.14E-10	-0.472789198
ENSMUSG00000040612	Ildr2	3.70E-07	-0.473075972
ENSMUSG00000058793	Cds2	0.002466804	-0.474094216
ENSMUSG00000039217	Ii18	0.000458042	-0.474461037
ENSMUSG00000028885	Smpdl3b	9.90E-05	-0.47494001
ENSMUSG00000101174	Hoxd4	0.025698097	-0.475070226
ENSMUSG00000032051	Fdx1	9.66E-12	-0.475830522

ENSMUSG00000059839	Zfp874b	0.025067163	-0.476120959
ENSMUSG00000003849	Nqo1	0.02123802	-0.476795045
ENSMUSG00000049969	Plekhf2	0.00567997	-0.477022865
ENSMUSG000000020175	Rab36	0.012002249	-0.477139053
ENSMUSG00000021773	Comtd1	9.83E-08	-0.477535082
ENSMUSG00000025732	Mcrip2	1.80E-05	-0.477544179
ENSMUSG00000036820	Amdhd2	0.009257681	-0.479330082
ENSMUSG00000022575	Gsdmd	1.21E-10	-0.479644354
ENSMUSG00000079283	2310009B15Rik	0.002828879	-0.479722118
ENSMUSG00000036833	Pnpla7	0.00804738	-0.479980033
ENSMUSG00000030630	Fah	1.44E-08	-0.480210405
ENSMUSG00000021591	Glrx	8.13E-05	-0.480427881
ENSMUSG00000028457	Atp8b5	0.046460788	-0.480583244
ENSMUSG00000041650	Pcca	0.003684283	-0.481396987
ENSMUSG00000084883	Ccdc85c	0.000151226	-0.481421762
ENSMUSG00000006057	Atp5g1	1.86E-14	-0.481686296
ENSMUSG00000090733	Rps27	2.26E-13	-0.481849441
ENSMUSG00000021000	Mia2	1.63E-15	-0.48242436
ENSMUSG00000049577	Zfpm1	2.91E-11	-0.483051791
ENSMUSG00000072115	Ang	0.03898762	-0.48347641
ENSMUSG00000026222	Sp100	0.000133097	-0.483530085
ENSMUSG00000050708	Ftl1	2.63E-12	-0.484673916
ENSMUSG00000001313	Rnd2	7.74E-07	-0.484815012
ENSMUSG00000040128	Pnrc1	0.019663016	-0.486876695
ENSMUSG00000027007	Ssfa2	0.003027373	-0.487205027
ENSMUSG00000023367	Tmem176a	0.000556514	-0.488274993
ENSMUSG00000025137	Pcyt2	2.55E-06	-0.48868492
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ENSMUSG00000037772	Mrpl23	0.014456219	-0.490644573
ENSMUSG00000028420	Tmem38b	0.045393366	-0.49126568
ENSMUSG00000025986	Slc39a10	0.012876402	-0.492482287
ENSMUSG00000017929	B4galt5	3.12E-05	-0.492725691
ENSMUSG00000073725	Lmbrd1	6.93E-05	-0.493369813
ENSMUSG00000029469	Ift81	0.000385402	-0.493492082
ENSMUSG00000034903	Cobll1	0.004907326	-0.495386082
ENSMUSG00000022906	Parp9	0.000282007	-0.497159779
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ENSMUSG00000039031	Arhgap18	0.005317662	-0.498026003
ENSMUSG00000074170	Plekhf1	0.000141191	-0.498158141
ENSMUSG00000006517	Mvd	0.033485714	-0.499423323
ENSMUSG00000098078	Gm26992	0.031171988	-0.499435621
ENSMUSG00000022865	Cxadr	4.52E-06	-0.50083469
ENSMUSG00000056185	Snx32	0.015673048	-0.501043777
ENSMUSG00000040428	Plekha4	0.009362075	-0.501281054
ENSMUSG00000032067	Pts	3.51E-05	-0.502063749
ENSMUSG00000026198	Abcb6	2.97E-10	-0.503852646

ENSMUSG00000031388	Naa10	3.12E-05	-0.504421049
ENSMUSG00000023175	Bsg	4.37E-09	-0.505006125
ENSMUSG00000020629	Adi1	9.44E-16	-0.507173932
ENSMUSG00000115235	AC167013.2	0.001438453	-0.50870943
ENSMUSG00000010362	Rdm1	7.59E-05	-0.509822305
ENSMUSG00000015980	Lrrc27	0.000714485	-0.510262836
ENSMUSG00000111011	Lrrc27	0.000714485	-0.510262836
ENSMUSG00000022793	B4galt4	0.010855648	-0.510532318
ENSMUSG00000038393	Txnip	4.27E-05	-0.510784501
ENSMUSG00000051335	Gfod1	8.31E-05	-0.510968756
ENSMUSG00000019774	Mtrf1l	0.009223834	-0.511530371
ENSMUSG00000018677	Slc25a39	1.26E-13	-0.512661333
ENSMUSG00000004267	Eno2	3.72E-05	-0.513419235
ENSMUSG00000024371	C2	0.000167074	-0.513776582
ENSMUSG00000034522	Zfp395	0.004311379	-0.514197891
ENSMUSG00000039914	Coq10a	7.49E-06	-0.51513288
ENSMUSG00000034171	Faah	0.000373903	-0.515838735
ENSMUSG00000014355	Anapc1	4.64E-15	-0.515928012
ENSMUSG00000046573	Lym4	2.83E-07	-0.51771388
ENSMUSG00000047843	Bri3	2.86E-09	-0.51829692
ENSMUSG00000022216	Psme1	1.98E-12	-0.518314812
ENSMUSG00000028108	Ecm1	0.003643864	-0.518634052
ENSMUSG00000050549	Fam241a	9.51E-06	-0.519012631
ENSMUSG00000028634	Hivep3	0.000232319	-0.520151581
ENSMUSG00000031295	Phka2	0.018932427	-0.520402377
ENSMUSG00000039063	Echdc3	0.001486563	-0.520405015
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ENSMUSG00000035828	Pim3	2.39E-07	-0.526382771
ENSMUSG00000016239	Lonrf3	0.000713476	-0.527774601
ENSMUSG00000055401	Fbxo6	5.16E-12	-0.527963007
ENSMUSG00000022544	Eef2kmt	9.46E-08	-0.528323451
ENSMUSG00000020263	Appl2	0.001319569	-0.529159566
ENSMUSG00000041143	Tmco4	0.000761062	-0.530992606
ENSMUSG00000064330	Pde6h	0.014871632	-0.531329907
ENSMUSG00000053411	Cbx7	0.029389302	-0.531457958
ENSMUSG00000038766	Gabpb2	1.55E-09	-0.532471023
ENSMUSG00000031788	Kifc3	0.020370398	-0.536094928
ENSMUSG00000035172	Plekhh3	5.33E-06	-0.536407848
ENSMUSG00000035285	Nat14	0.015352487	-0.536715209
ENSMUSG00000038729	Akap2	4.17E-07	-0.536963374
ENSMUSG00000024778	Fas	9.74E-05	-0.538527532
ENSMUSG00000068101	Cenpm	0.02758231	-0.538771013
ENSMUSG00000032578	Cish	0.001427136	-0.540924913

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ENSMUSG00000037295	Ldlrap1	0.000148243	-0.544468958
ENSMUSG00000057278	Snrpg	8.98E-17	-0.545808539
ENSMUSG00000039480	Nt5dc1	9.52E-09	-0.547555611
ENSMUSG00000035778	Ggta1	0.000114323	-0.548099989
ENSMUSG00000049436	Upk1b	9.25E-23	-0.548277594
ENSMUSG00000033581	Igf2bp2	6.09E-08	-0.548987534
ENSMUSG00000026197	Zfand2b	2.04E-07	-0.549963197
ENSMUSG00000027630	Tbl1xr1	0.005853632	-0.550650013
ENSMUSG00000031266	Gla	1.45E-19	-0.551356097
ENSMUSG00000050052	Tdrp	0.041145615	-0.552392074
ENSMUSG00000032968	Inha	0.001266735	-0.552670121
ENSMUSG00000020648	Dus4l	0.031958567	-0.552772345
ENSMUSG00000048834	Vstm2a	0.014684251	-0.552781943
ENSMUSG00000027634	Ndrp3	1.57E-11	-0.554279383
ENSMUSG00000071657	Bscl2	4.09E-14	-0.55603628
ENSMUSG00000005803	Sqor	0.005055958	-0.556835088
ENSMUSG00000079491	H2-T10	1.95E-09	-0.557052646
ENSMUSG00000021281	Tnfaip2	0.01059063	-0.557080003
ENSMUSG00000037266	Rsrp1	0.001770102	-0.557432128
ENSMUSG00000037621	Atoh8	0.039629648	-0.558623906
ENSMUSG00000065954	Tacc1	5.46E-10	-0.559062636
ENSMUSG00000028393	Alad	1.97E-06	-0.559720506
ENSMUSG00000073422	H2-Ke6	2.58E-09	-0.559777604
ENSMUSG00000111133	Gm5831	0.014145481	-0.559924216
ENSMUSG00000035441	Myo1d	6.68E-05	-0.560547496
ENSMUSG00000005615	Pcyt1a	4.27E-06	-0.562022542
ENSMUSG00000037025	Foxa2	0.012293484	-0.562121285
ENSMUSG00000024885	Aldh3b1	0.002677368	-0.56311497
ENSMUSG00000078866	Zfp970	0.0345848	-0.563762216
ENSMUSG00000023990	Tfeb	0.004390077	-0.563853572
ENSMUSG00000002985	ApoE	0.000438601	-0.564168255
ENSMUSG00000015846	Rxra	0.001816238	-0.566071622
ENSMUSG00000070780	Rbm47	0.036290554	-0.566213798
ENSMUSG00000022389	Tef	2.46E-05	-0.566755926
ENSMUSG00000032348	Gsta4	0.049157404	-0.567008431
ENSMUSG00000074604	Mgst2	0.000179557	-0.569037053
ENSMUSG00000068551	Zfp467	0.00035858	-0.571621793
ENSMUSG00000049871	Nlrc3	1.37E-13	-0.571837113
ENSMUSG00000060675	Pla2g16	1.97E-05	-0.57534142
ENSMUSG00000064120	Mocs1	3.84E-06	-0.575651825
ENSMUSG00000022546	Gpt	0.000561413	-0.576784423
ENSMUSG00000019437	Tlcd1	0.000754138	-0.576842671
ENSMUSG00000037278	Tmem97	1.82E-09	-0.577054

ENSMUSG00000023043	Krt18	2.10E-17	-0.577532113
ENSMUSG00000037348	Paqr7	0.015233871	-0.579258363
ENSMUSG00000033720	Sfxn5	0.044951065	-0.579574157
ENSMUSG00000068876	Cgn	0.003664796	-0.580310691
ENSMUSG00000043252	Tmem64	0.025080458	-0.583190817
ENSMUSG00000027330	Cdc25b	1.18E-05	-0.584118745
ENSMUSG00000028402	Mpdz	0.013350683	-0.584247966
ENSMUSG00000033450	Tagap	0.002192255	-0.584446396
ENSMUSG00000083111	Gm14421	0.015265584	-0.584615385
ENSMUSG00000001025	S100a6	2.05E-09	-0.585740366
ENSMUSG00000055538	Zcchc24	0.015737609	-0.585803482
ENSMUSG00000017390	Aldoc	0.044727962	-0.587035498
ENSMUSG00000038058	Nod1	4.60E-06	-0.5898968
ENSMUSG00000037104	Socs5	0.000807623	-0.59029833
ENSMUSG00000078931	Pdf	0.001927646	-0.590634233
ENSMUSG00000022583	Ly6f	0.002720198	-0.59206514
ENSMUSG00000031910	Has3	0.01071615	-0.593157369
ENSMUSG00000008855	Hdac5	0.032109705	-0.593280912
ENSMUSG00000049907	Rasl11b	0.004676776	-0.593644143
ENSMUSG00000030966	Trim21	0.000332581	-0.594337808
ENSMUSG00000024395	Lims2	0.002021104	-0.5963349
ENSMUSG00000110344	Gm45716	7.32E-06	-0.596889374
ENSMUSG00000006378	Gcat	3.78E-05	-0.597551069
ENSMUSG00000024556	Me2	0.027457588	-0.59782603
ENSMUSG00000025465	Echs1	4.23E-14	-0.598688159
ENSMUSG00000049422	Chchd10	1.10E-09	-0.599226044
ENSMUSG00000020057	Dram1	0.022117191	-0.602261999
ENSMUSG00000000881	Dlg3	2.51E-06	-0.602400188
ENSMUSG00000024480	Ap3s1	0.001556986	-0.604116522
ENSMUSG00000026576	Atp1b1	0.016115616	-0.60447942
ENSMUSG00000097327	E030030I06Rik	0.00036433	-0.605577412
ENSMUSG00000039126	Prune2	0.017192472	-0.605769412
ENSMUSG00000026946	Nmi	6.64E-07	-0.605977615
ENSMUSG00000078350	Smim1	0.004433674	-0.606470635
ENSMUSG00000027831	Veph1	0.019953679	-0.606629704
ENSMUSG00000083649	Rasl2-9	0.008586024	-0.606994646
ENSMUSG00000024186	Rgs11	0.0130238	-0.609088519
ENSMUSG00000027332	Ivd	4.57E-06	-0.609944211
ENSMUSG00000031516	Dctn6	0.000626166	-0.610087853
ENSMUSG00000029701	Rbm28	9.26E-09	-0.610097468
ENSMUSG00000050721	Plekho2	0.000990991	-0.610148165
ENSMUSG00000018845	Unc45b	0.003791062	-0.610326071
ENSMUSG00000036918	Ttc7	1.97E-08	-0.610512624
ENSMUSG00000066952	Myo1h	0.000459547	-0.610755385
ENSMUSG00000005413	Hmox1	1.38E-06	-0.611142531
ENSMUSG00000042677	Zc3h12a	0.000385986	-0.612025791
ENSMUSG00000035305	Ror1	8.54E-07	-0.613204086

ENSMUSG00000027313	Chac1	0.000968496	-0.613564993
ENSMUSG00000079197	Psme2	5.71E-12	-0.614722497
ENSMUSG00000042444	Mindy2	1.90E-11	-0.615556501
ENSMUSG00000026672	Optrn	3.33E-16	-0.616484527
ENSMUSG00000027488	Snta1	2.08E-11	-0.617543751
ENSMUSG00000022186	Oxct1	1.91E-19	-0.618432473
ENSMUSG00000030341	Tnfrsf1a	2.47E-05	-0.620020074
ENSMUSG00000056501	Cebpb	0.021284634	-0.621106534
ENSMUSG00000033389	Arhgap44	0.00023157	-0.62162196
ENSMUSG00000050786	Ccdc126	9.96E-13	-0.622399639
ENSMUSG00000031217	Efnb1	1.34E-10	-0.623439057
ENSMUSG00000036158	Prickle1	0.007101039	-0.624473018
ENSMUSG00000035277	Arx	0.039475012	-0.624849224
ENSMUSG00000089665	Fcor	0.007474507	-0.625293598
ENSMUSG00000048332	Lhfp	9.37E-15	-0.626718586
ENSMUSG00000027954	Efna1	2.67E-06	-0.62815399
ENSMUSG00000046314	Stxbp6	0.005130683	-0.629240367
ENSMUSG00000029718	Pcolce	1.47E-31	-0.632990304
ENSMUSG00000066637	Ttc32	0.000760071	-0.634729665
ENSMUSG00000039713	Plekhg5	0.012062131	-0.636247405
ENSMUSG00000064036	Mro	0.029730503	-0.636627832
ENSMUSG00000060275	Nrg2	0.000715966	-0.637372063
ENSMUSG00000025402	Nab2	0.001111742	-0.637731318
ENSMUSG00000049124	Gm8186	6.43E-25	-0.638901118
ENSMUSG00000085028	Slc2a4rg-ps	2.24E-05	-0.640031332
ENSMUSG00000020589	Fam49a	0.012964493	-0.640141353
ENSMUSG00000038550	Ciart	0.009285001	-0.6406099
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ENSMUSG00000074682	Zcchc3	0.000111188	-0.64219951
ENSMUSG00000052102	Gnpda1	0.004575998	-0.644219559
ENSMUSG00000048706	Lurap1l	2.94E-05	-0.644599476
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ENSMUSG00000021094	Dhrs7	1.59E-22	-0.649015752
ENSMUSG00000024197	Plin3	3.10E-07	-0.649902907
ENSMUSG00000032202	Rab27a	1.13E-10	-0.650720906
ENSMUSG00000022822	Abcc5	1.12E-07	-0.651896454
ENSMUSG00000045294	Insig1	0.020237558	-0.653390622
ENSMUSG0000003032	Klf4	1.83E-16	-0.653609311
ENSMUSG00000040875	Osbpl10	0.00020106	-0.654585771
ENSMUSG00000026399	Cd55	2.36E-13	-0.655266139
ENSMUSG00000072812	Ahnak2	4.77E-08	-0.655959349
ENSMUSG00000020331	Hcn2	6.86E-07	-0.656433155
ENSMUSG00000038816	Ctnnal1	0.000186903	-0.656878901
ENSMUSG00000017009	Sdc4	0.007117255	-0.657066581
ENSMUSG00000037936	Scarb1	9.68E-19	-0.657510176
ENSMUSG00000025059	Gk	0.016115616	-0.658325206
ENSMUSG00000116477	MF597757.2	3.37E-07	-0.658334911

ENSMUSG00000041362	Shtn1	1.27E-05	-0.658834848
ENSMUSG00000026535	Ifi202b	8.26E-07	-0.659562079
ENSMUSG00000032501	Trib1	7.53E-21	-0.659751503
ENSMUSG00000002107	Celf2	5.63E-11	-0.660949482
ENSMUSG00000025492	Ifitm3	3.87E-06	-0.663716476
ENSMUSG00000043822	Adamts15	1.91E-11	-0.664713347
ENSMUSG00000056596	Trnp1	0.033327652	-0.665086101
ENSMUSG00000045975	C2cd2	1.14E-19	-0.667010371
ENSMUSG00000002983	Relb	7.04E-06	-0.667755338
ENSMUSG00000100595	Gm19087	0.008826772	-0.669079315
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ENSMUSG00000022899	Slc15a2	0.049453697	-0.671962784
ENSMUSG00000038527	C1rl	0.001514922	-0.673219744
ENSMUSG00000038742	Angptl6	0.005317152	-0.673231665
ENSMUSG00000042684	Npl	1.78E-19	-0.67335771
ENSMUSG00000073435	Nme3	0.000991974	-0.675079813
ENSMUSG00000019838	Slc16a10	0.000134161	-0.676638104
ENSMUSG00000018381	Abi3	0.031542555	-0.6781613
ENSMUSG00000025408	Ddit3	2.58E-11	-0.678552193
ENSMUSG00000038764	Ptpn3	9.56E-09	-0.679417775
ENSMUSG00000010154	Spire2	0.000377976	-0.680209358
ENSMUSG00000021708	Rasgrf2	0.003688299	-0.681671606
ENSMUSG00000053219	Raet1e	3.33E-11	-0.684707029
ENSMUSG00000080888	Gm14387	0.016067073	-0.685130573
ENSMUSG00000036944	Tmem71	2.05E-15	-0.685978061
ENSMUSG00000046027	Stard5	2.18E-05	-0.68738253
ENSMUSG00000027173	Depdc7	4.43E-06	-0.687402662
ENSMUSG00000038178	Slc43a2	0.005323151	-0.687447857
ENSMUSG00000032680	6820408C15Rik	0.000127357	-0.687670358
ENSMUSG00000027200	Sema6d	0.019633383	-0.688708668
ENSMUSG00000049097	Ankrd34a	0.022443815	-0.690924791
ENSMUSG00000021390	Ogn	0.003356492	-0.691956182
ENSMUSG00000022587	Ly6e	0.002055487	-0.692306859
ENSMUSG00000025511	Tspan4	1.16E-06	-0.693683701
ENSMUSG00000019856	Fam184a	1.13E-05	-0.694244275
ENSMUSG00000023034	Nr4a1	0.000725736	-0.694570716
ENSMUSG00000024187	Fam234a	0.029537215	-0.695554841
ENSMUSG00000078452	Raet1d	9.96E-20	-0.696369691
ENSMUSG00000005125	Ndrp1	2.92E-09	-0.69665663
ENSMUSG00000022747	St3gal6	1.97E-08	-0.697050428
ENSMUSG00000055447	Cd47	8.85E-14	-0.697846997
ENSMUSG00000055435	Maf	8.84E-05	-0.698006521
ENSMUSG00000040713	Creg1	1.75E-27	-0.69938152
ENSMUSG00000032038	St3gal4	3.79E-05	-0.70052477
ENSMUSG00000111640	AC109138.7	0.04864758	-0.701437211
ENSMUSG00000055301	Adh7	4.65E-13	-0.702350853

ENSMUSG00000021481	Zfp346	4.25E-09	-0.703068117
ENSMUSG00000024437	Gm8615	0.000561413	-0.704903611
ENSMUSG00000025503	Taldo1	1.26E-05	-0.70506652
ENSMUSG00000030161	Gabarapl1	0.013461166	-0.706415173
ENSMUSG00000010080	Epn3	0.000689245	-0.713153695
ENSMUSG00000053175	Bcl3	0.046085045	-0.715025253
ENSMUSG00000026389	Steap3	0.000376821	-0.715877698
ENSMUSG00000020656	Grhl1	0.001744288	-0.716447863
ENSMUSG00000023886	Smoc2	0.001701971	-0.717730137
ENSMUSG0000003617	Cp	0.015285337	-0.718020657
ENSMUSG00000027931	Npr1	0.031542555	-0.718820512
ENSMUSG00000025466	Fuom	1.28E-13	-0.719772211
ENSMUSG00000036103	Colec12	5.60E-05	-0.721029893
ENSMUSG00000022540	Rogdi	1.51E-08	-0.723533996
ENSMUSG00000043122	A530016L24Rik	5.01E-06	-0.725280751
ENSMUSG00000031765	Mt1	0.000211217	-0.725418671
ENSMUSG00000018861	Fdxr	2.70E-05	-0.726521147
ENSMUSG00000047810	Ccdc88b	0.015792306	-0.729007462
ENSMUSG00000020620	Abca8b	0.007859329	-0.730063117
ENSMUSG00000054150	Syne3	7.24E-07	-0.730510261
ENSMUSG00000075297	H60b	5.74E-20	-0.732086421
ENSMUSG00000059742	Kcnh7	0.028139715	-0.732161593
ENSMUSG00000048731	Ggnbp1	0.001122733	-0.734966036
ENSMUSG00000026315	Serpinb8	4.38E-06	-0.73650099
ENSMUSG00000019787	Trdn	0.030798564	-0.736540065
ENSMUSG00000057497	Fam136a	5.44E-07	-0.7392069
ENSMUSG00000025026	Add3	0.031495154	-0.741747151
ENSMUSG00000035158	Mitf	0.000148533	-0.741792393
ENSMUSG00000014791	Elmo3	0.042179004	-0.742039981
ENSMUSG00000058135	Gstm1	0.000260728	-0.743722915
ENSMUSG00000035385	Ccl2	6.31E-11	-0.744867969
ENSMUSG00000034334	Fam151b	0.000541939	-0.746107888
ENSMUSG00000006273	Atp6v1b2	1.87E-09	-0.746407934
ENSMUSG00000034394	Lif	9.29E-06	-0.746424825
ENSMUSG00000019880	Rspo3	8.90E-05	-0.747591959
ENSMUSG00000022091	Sorbs3	0.0024373	-0.75048303
ENSMUSG00000098188	Sowahc	0.003246824	-0.754583919
ENSMUSG00000034586	Hid1	1.22E-08	-0.756019533
ENSMUSG00000053604	Rpia	4.96E-06	-0.757198749
ENSMUSG00000056116	H2-T22	7.08E-13	-0.758024871
ENSMUSG00000028152	Tspan5	0.001055771	-0.758439939
ENSMUSG00000027296	Itpka	0.048876694	-0.758678309
ENSMUSG00000038213	Tapbp1	2.35E-15	-0.759996761
ENSMUSG00000031112	Stk26	0.005261773	-0.762782928
ENSMUSG00000000594	Gm2a	0.000292395	-0.763394201
ENSMUSG00000001247	Lsr	0.023125738	-0.763847048
ENSMUSG00000024661	Fth1	5.34E-09	-0.765387446

ENSMUSG00000028015	Ctso	0.000107307	-0.76597091
ENSMUSG00000026941	Mamdc4	0.048449027	-0.766764755
ENSMUSG00000025779	Ly96	0.000161911	-0.767693444
ENSMUSG00000033871	Ppargc1b	0.000223526	-0.768349854
ENSMUSG00000020743	Mif4gd	1.75E-05	-0.769408564
ENSMUSG00000031698	Mylk3	0.018481684	-0.77106233
ENSMUSG00000075410	Prcd	0.029789553	-0.773347697
ENSMUSG00000043635	Adamts3	2.64E-09	-0.775769331
ENSMUSG00000035284	Vps13c	8.36E-07	-0.776819628
ENSMUSG00000055692	Tmem191c	0.000323772	-0.777911722
ENSMUSG00000047641	Krt87	0.034790925	-0.77830232
ENSMUSG00000026018	Ica1l	0.011948729	-0.779517033
ENSMUSG00000021583	Erap1	9.92E-07	-0.783812482
ENSMUSG00000021236	Entpd5	6.62E-15	-0.784207332
ENSMUSG00000019929	Dcn	7.77E-41	-0.786152095
ENSMUSG00000060961	Slc4a4	0.005073433	-0.786441844
ENSMUSG00000020023	Tmcc3	0.005299324	-0.786800347
ENSMUSG00000081534	Slc48a1	2.09E-06	-0.788811649
ENSMUSG00000006642	Tcf23	0.028675125	-0.790538112
ENSMUSG00000021175	Cdca7l	7.58E-05	-0.795398942
ENSMUSG00000021759	Plpp1	3.49E-31	-0.797913773
ENSMUSG00000031574	Star	0.013333956	-0.797961965
ENSMUSG00000034765	Dusp5	7.49E-24	-0.799221723
ENSMUSG00000047409	Ctdspl	0.004661296	-0.800798184
ENSMUSG00000021238	Aldh6a1	0.001760999	-0.802339443
ENSMUSG00000026956	Uap1l1	3.32E-09	-0.804067408
ENSMUSG00000039852	Rere	0.003267752	-0.807763239
ENSMUSG00000025932	Eya1	4.26E-06	-0.808369365
ENSMUSG00000027962	Vcam1	1.45E-27	-0.815097591
ENSMUSG00000006576	Slc4a3	0.00852395	-0.816558292
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ENSMUSG00000001642	Akr1b3	0.036606193	-0.821598306
ENSMUSG00000026430	Rassf5	5.57E-14	-0.825495438
ENSMUSG00000075590	Nrbp2	1.41E-15	-0.8256537
ENSMUSG00000038633	Degs1	3.07E-32	-0.826548604
ENSMUSG00000028412	Slc44a1	0.000655281	-0.827396088
ENSMUSG00000037902	Sirpa	0.001780731	-0.82750963
ENSMUSG00000039395	Mreg	1.45E-10	-0.827652676
ENSMUSG00000029998	Pcyox1	8.71E-05	-0.8286066
ENSMUSG00000024646	Cyb5a	6.59E-22	-0.829206637
ENSMUSG00000049811	Fam161a	3.96E-08	-0.832350783
ENSMUSG00000024339	Tap2	8.88E-07	-0.833244452
ENSMUSG00000100309	Gm6644	0.045639817	-0.833592967
ENSMUSG00000027901	Dennd2d	0.004675969	-0.834324994
ENSMUSG00000049892	Rasd1	0.0498752	-0.834592058
ENSMUSG00000052135	Foxo6	0.005919746	-0.836285558
ENSMUSG00000041762	Gpr155	5.12E-05	-0.839071286

ENSMUSG00000044786	Zfp36	0.002277388	-0.840194282
ENSMUSG00000073405	H2-T-ps	1.04E-08	-0.841151593
ENSMUSG00000037071	Scd1	2.28E-08	-0.842548186
ENSMUSG00000024308	Tapbp	0.000586762	-0.843048306
ENSMUSG00000027896	Slc16a4	0.009778981	-0.844336854
ENSMUSG00000068015	Lrch1	0.00447158	-0.848818732
ENSMUSG00000054013	Tmem179	0.01208603	-0.850127062
ENSMUSG00000061175	Fnip2	1.58E-19	-0.850229205
ENSMUSG00000038756	Ttll6	0.015547387	-0.850703968
ENSMUSG00000021758	Ddx4	0.017557358	-0.858183841
ENSMUSG00000053835	H2-T24	3.63E-06	-0.858518361
ENSMUSG00000054619	Mettl7a1	0.001703924	-0.861813621
ENSMUSG00000067212	H2-T23	8.58E-10	-0.862787042
ENSMUSG00000025372	Baiap2	6.95E-33	-0.863088207
ENSMUSG00000030000	Add2	0.005874157	-0.863861909
ENSMUSG00000035373	Ccl7	2.21E-06	-0.864137235
ENSMUSG00000014329	Bicc1	0.001865804	-0.867428637
ENSMUSG00000049202	4930515G13Rik	0.046455458	-0.869504699
ENSMUSG00000008206	Cers4	1.54E-06	-0.869561343
ENSMUSG00000025888	Casp1	9.41E-07	-0.871169678
ENSMUSG00000018899	Irf1	0.001367403	-0.872659165
ENSMUSG00000090125	Pou3f1	0.008250527	-0.878490011
ENSMUSG00000015568	Lpl	6.22E-56	-0.87929435
ENSMUSG00000030246	Ldhb	0.008124611	-0.879609493
ENSMUSG00000032652	Crebl2	0.001995724	-0.882014306
ENSMUSG00000075012	Fjx1	4.34E-13	-0.882960079
ENSMUSG00000033538	Casp4	5.08E-10	-0.886926123
ENSMUSG00000097214	Gm19791	0.000439308	-0.889221369
ENSMUSG00000017417	Plxdc1	0.002925861	-0.890395264
ENSMUSG00000031877	Ces2g	5.87E-26	-0.896268542
ENSMUSG00000037762	Slc16a9	4.61E-10	-0.8967015
ENSMUSG00000020473	Aebp1	1.06E-08	-0.897231683
ENSMUSG00000036553	Sh3tc1	2.14E-08	-0.901498494
ENSMUSG00000045954	Cavin2	1.11E-06	-0.906751986
ENSMUSG00000027796	Smad9	0.0331502	-0.907457474
ENSMUSG00000028064	Sema4a	3.43E-09	-0.907636241
ENSMUSG00000044788	Fads6	0.000139713	-0.908509658
ENSMUSG00000024066	Xdh	0.000356167	-0.909186631
ENSMUSG00000045104	Gm5514	0.010546789	-0.909318419
ENSMUSG00000000290	Itgb2	0.040495401	-0.909997172
ENSMUSG00000017167	Cntnap1	6.29E-12	-0.910674599
ENSMUSG00000042258	Isl1	0.025819886	-0.912249339
ENSMUSG00000024036	Slc37a1	0.048288047	-0.916904037
ENSMUSG00000082593	Gm11331	0.028422265	-0.91957727
ENSMUSG00000026109	Tmeff2	0.033412955	-0.92117645
ENSMUSG00000049791	Fzd4	0.003129696	-0.9215664
ENSMUSG00000020486	04-Sep	0.006172417	-0.924813882

ENSMUSG00000055148	Klf2	2.29E-09	-0.931352251
ENSMUSG00000038167	Plekhg6	7.08E-05	-0.935051246
ENSMUSG00000018774	Cd68	7.70E-09	-0.937481979
ENSMUSG00000041120	Nbl1	0.009917273	-0.938373224
ENSMUSG00000032750	Gab3	0.005021334	-0.938451976
ENSMUSG00000020733	Slc9a3r1	1.58E-05	-0.943265492
ENSMUSG00000043259	Fam13c	0.01032373	-0.945092597
ENSMUSG00000027068	Dhrs9	7.37E-09	-0.953075062
ENSMUSG00000028909	Ptpru	0.002468731	-0.953718088
ENSMUSG00000008540	Mgst1	0.003129696	-0.956166984
ENSMUSG00000055172	C1ra	1.49E-09	-0.959502534
ENSMUSG00000061451	Tmem151a	0.000186467	-0.96003763
ENSMUSG00000024180	Tmem8	1.38E-06	-0.964069779
ENSMUSG00000069814	Ccdc92b	0.003864991	-0.966059718
ENSMUSG00000018900	Slc22a5	0.001956636	-0.969522356
ENSMUSG00000021638	Ocln	0.000101414	-0.969894342
ENSMUSG00000058966	Fam57b	9.31E-07	-0.979174952
ENSMUSG00000099032	Tcf24	3.21E-08	-0.983458188
ENSMUSG00000039742	Fam71f1	0.021071364	-0.991363867
ENSMUSG00000050896	Rtn4r12	0.039752849	-0.997459667
ENSMUSG00000015702	Anxa9	0.000107577	-0.9994284
ENSMUSG00000016024	Lbp	0.016104699	-1.001002387
ENSMUSG00000029084	Cd38	0.001541861	-1.006602175
ENSMUSG00000091119	Ccdc152	0.010932242	-1.007305118
ENSMUSG00000045392	Olfr1033	0.047118568	-1.010538107
ENSMUSG0000002997	Prkar2b	1.21E-06	-1.011030296
ENSMUSG00000033768	Nrxn2	0.044769213	-1.01432693
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ENSMUSG00000037594	BC022687	7.77E-05	-1.015593748
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ENSMUSG00000026880	Stom	0.003504818	-1.015667324
ENSMUSG00000027947	Il6ra	3.64E-16	-1.016627021
ENSMUSG00000024245	Tmem178	0.010326957	-1.016631774
ENSMUSG00000030433	Sbk2	0.021043255	-1.018282949
ENSMUSG00000045903	Npas4	0.014821789	-1.022828116
ENSMUSG00000033880	Lgals3bp	0.018935272	-1.027545082
ENSMUSG00000025083	Afap1l2	0.001052634	-1.02988735
ENSMUSG00000025037	Maoa	0.016284552	-1.035418422
ENSMUSG00000025321	Itgb8	0.048581196	-1.038334625
ENSMUSG00000043088	Il17re	0.035950394	-1.045164854
ENSMUSG00000004207	Psap	5.38E-15	-1.047924181
ENSMUSG00000042985	Upk3b	0.028326899	-1.048132345
ENSMUSG00000096727	Psemb9	0.014972127	-1.051053523
ENSMUSG00000024065	Ehd3	3.76E-06	-1.054380114
ENSMUSG00000036856	Wnt4	0.000308919	-1.055776392
ENSMUSG00000053113	Socs3	8.83E-06	-1.064188001
ENSMUSG00000036585	Fgf1	0.018049778	-1.068347376

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ENSMUSG00000031958	Ldhd	2.35E-10	-1.077123729
ENSMUSG00000098470	C1rb	5.57E-11	-1.078314528
ENSMUSG00000038486	Sv2a	0.00013697	-1.080233855
ENSMUSG00000017493	Igfbp4	0.001101643	-1.082117886
ENSMUSG00000032816	Igdcc4	0.009022717	-1.092079408
ENSMUSG00000032596	Uba7	1.49E-10	-1.092684177
ENSMUSG00000038418	Egr1	0.000461946	-1.093694184
ENSMUSG00000064373	Selenop	0.020234206	-1.096773401
ENSMUSG00000038776	Ephx1	4.42E-06	-1.097837674
ENSMUSG00000039601	Rcan2	0.001596229	-1.100258089
ENSMUSG00000027227	Sord	2.87E-08	-1.102315061
ENSMUSG00000079531	Gm5936	0.022819765	-1.108868007
ENSMUSG00000096883	Shisa8	0.001142769	-1.109555372
ENSMUSG00000028268	Gbp3	0.032988547	-1.111484831
ENSMUSG00000070427	Il18bp	2.71E-06	-1.114131634
ENSMUSG00000000253	Gmpr	0.000369405	-1.123842308
ENSMUSG00000003341	Atp8b3	0.040556617	-1.134355914
ENSMUSG00000023046	Igfbp6	0.018634164	-1.137025963
ENSMUSG00000029298	Gbp9	5.64E-06	-1.139099889
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ENSMUSG00000024793	Tnfrsf25	0.000186741	-1.139911671
ENSMUSG00000004698	Hdac9	0.009867654	-1.14773634
ENSMUSG00000032011	Thy1	5.00E-28	-1.152940773
ENSMUSG00000109916	Gm45551	0.035809096	-1.155796581
ENSMUSG00000013846	St3gal1	0.036535013	-1.160435711
ENSMUSG00000023992	Trem2	0.011091484	-1.174986028
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ENSMUSG00000032902	Slc16a1	8.21E-07	-1.176640576
ENSMUSG00000024235	Map3k8	0.001177925	-1.177067882
ENSMUSG00000018500	Adora2b	0.038545921	-1.177636335
ENSMUSG00000030793	Pycard	0.04129225	-1.179954733
ENSMUSG00000014361	Mertk	1.22E-16	-1.183245903
ENSMUSG00000115808	AC133101.1	0.025895149	-1.18347208
ENSMUSG00000044052	Ccr10	1.10E-11	-1.18383572
ENSMUSG00000006457	Actn3	8.29E-05	-1.193131846
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ENSMUSG00000039114	Nrn1	0.00048625	-1.209736304
ENSMUSG00000031538	Plat	7.53E-07	-1.230790028
ENSMUSG00000030157	Clec2d	0.000470853	-1.232662473
ENSMUSG00000054855	Rnd1	9.96E-05	-1.237998873
ENSMUSG00000054545	Ugt1a6a	0.014461004	-1.238073236
ENSMUSG00000031380	Vegfd	5.32E-20	-1.241864647

ENSMUSG00000033715	Akr1c14	0.026229505	-1.247182806
ENSMUSG00000040253	Gbp7	0.000673037	-1.254296036
ENSMUSG00000092035	Peg10	0.003397915	-1.254493647
ENSMUSG00000027452	Acss1	0.039649605	-1.255435261
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ENSMUSG00000023243	Kcnk5	0.000217936	-1.268046328
ENSMUSG00000027674	Pex5l	0.004817151	-1.268804952
ENSMUSG00000090145	Ugt1a6b	0.000116131	-1.27164588
ENSMUSG00000027913	Crct1	0.010559894	-1.274705205
ENSMUSG00000006587	Snai3	0.000329384	-1.274842978
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ENSMUSG00000043587	Pxylp1	0.001292776	-1.287931291
ENSMUSG00000015202	Magi1	2.14E-05	-1.288278313
ENSMUSG00000029075	Tnfrsf4	3.47E-05	-1.294983763
ENSMUSG00000057000	Nxf3	8.83E-05	-1.305752233
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ENSMUSG00000027574	Nkain4	0.006291665	-1.318826345
ENSMUSG00000040147	Maob	0.047923266	-1.327576005
ENSMUSG00000070323	Mmp27	0.00202835	-1.328292657
ENSMUSG00000071317	Bves	3.69E-06	-1.33898155
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ENSMUSG00000040584	Abcb1a	1.00E-10	-1.347361987
ENSMUSG00000044827	Tlr1	0.001289685	-1.351894463
ENSMUSG00000032010	Usp2	4.95E-05	-1.360131075
ENSMUSG00000038843	Gcnt1	3.69E-07	-1.364986001
ENSMUSG00000096107	Gm16505	0.000771152	-1.38461123
ENSMUSG00000027442	Cst8	0.021043255	-1.38727694
ENSMUSG00000028943	Espn	5.39E-07	-1.388310146
ENSMUSG00000079057	Cyp4v3	0.041654251	-1.396668495
ENSMUSG00000031162	Gata1	0.042822231	-1.399289284
ENSMUSG00000046056	Sbsn	1.64E-06	-1.40338555
ENSMUSG00000029771	Irf5	0.017665781	-1.409151104
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ENSMUSG00000047189	Gm9818	0.023821331	-1.435016697
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ENSMUSG00000051228	Nyx	4.95E-07	-1.460858535
ENSMUSG00000040264	Gbp2b	0.001861708	-1.462712483
ENSMUSG00000030703	Gdpd3	0.010164078	-1.464780764
ENSMUSG00000034258	Flvcr2	0.005525722	-1.469246272
ENSMUSG00000037161	Mgarp	0.007887657	-1.470610091
ENSMUSG00000013418	B4galnt2	0.01041692	-1.490466173
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ENSMUSG00000042254	Cilp	0.0065036	-1.498761088
ENSMUSG00000005373	Mlxipl	0.002701644	-1.505779532
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ENSMUSG00000038811	Gngt2	0.000109247	-1.52136493
ENSMUSG00000025170	Rab40b	5.19E-06	-1.523624675
ENSMUSG00000036596	Cpz	0.003093861	-1.534547836
ENSMUSG00000036330	Slc18a1	7.03E-06	-1.536984614
ENSMUSG00000079457	Gm7609	0.01520076	-1.540754842
ENSMUSG00000030494	Rhpn2	1.48E-12	-1.541100569
ENSMUSG00000061132	Blnk	1.18E-22	-1.554929658
ENSMUSG00000057137	Tmem140	0.000187764	-1.560331938
ENSMUSG00000026185	Igfbp5	1.44E-15	-1.569778037
ENSMUSG00000040998	Npnt	0.000186656	-1.572404224
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ENSMUSG00000017754	Pltp	0.000259477	-1.577021384
ENSMUSG00000044197	Gpr146	0.005552227	-1.585873126
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ENSMUSG00000021750	Fam107a	0.000461888	-1.591264686
ENSMUSG00000032246	Calml4	1.08E-06	-1.594980219
ENSMUSG00000024600	Slc27a6	0.00337415	-1.595660931
ENSMUSG00000026365	Cfh	0.000179661	-1.596527333
ENSMUSG00000030785	Cox6a2	2.51E-12	-1.60008541
ENSMUSG00000023484	Prph	0.000308919	-1.623065122
ENSMUSG00000028270	Gbp2	0.003864439	-1.637396796
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ENSMUSG00000030787	Lyve1	0.00567997	-1.643458344
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ENSMUSG00000026023	Cdk15	0.000204339	-1.692633149
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ENSMUSG00000026177	Slc11a1	0.009728083	-1.734316721
ENSMUSG00000081769	Gm12216	0.021871939	-1.741461649
ENSMUSG00000023959	Clic5	5.82E-10	-1.74448768
ENSMUSG00000030218	Mgp	0.003861279	-1.744607693
ENSMUSG00000052889	Prkcb	0.000944011	-1.752436746
ENSMUSG00000029287	Tgfbr3	2.38E-06	-1.75506547
ENSMUSG00000044749	Abca6	4.19E-07	-1.765684748
ENSMUSG00000037921	Ddx60	0.001283773	-1.775593203
ENSMUSG00000060548	Tnfrsf19	0.015572687	-1.783123907
ENSMUSG00000027071	P2rx3	1.84E-11	-1.804622285
ENSMUSG00000059824	Dbp	0.001119252	-1.830292814
ENSMUSG00000030064	Frmd4b	2.97E-05	-1.849342427
ENSMUSG00000044468	Fam46c	0.000830825	-1.873955755
ENSMUSG00000019848	Popdc3	0.023065363	-1.896011533
ENSMUSG00000103537	Gm37838	0.004014195	-1.898382548
ENSMUSG00000079017	Ifi2712a	1.88E-13	-1.901609429
ENSMUSG00000036446	Lum	0.010795991	-1.921957587
ENSMUSG00000021806	Nid2	0.010617549	-1.924045503

ENSMUSG00000022766	Serpind1	2.61E-05	-1.960633216
ENSMUSG00000031722	Hp	3.54E-05	-1.965014876
ENSMUSG00000068245	Phf11d	0.001644633	-1.96812426
ENSMUSG00000024164	C3	1.11E-08	-1.971895568
ENSMUSG00000028150	Rorc	0.000109247	-1.976740305
ENSMUSG00000090124	Ugt1a7c	2.51E-09	-1.984255717
ENSMUSG00000046844	Vat1l	2.50E-15	-1.994371114
ENSMUSG00000024610	Cd74	0.030676151	-1.995206185
ENSMUSG00000032718	Mansc1	0.017539177	-2.006481213
ENSMUSG00000038725	Pkhd1l1	0.027157128	-2.058763202
ENSMUSG00000027514	Zbp1	0.00852395	-2.085637736
ENSMUSG00000038370	Pcp4l1	0.000723395	-2.101163362
ENSMUSG00000023047	Amhr2	0.010758725	-2.106161678
ENSMUSG00000020911	Krt19	0.017506518	-2.107779174
ENSMUSG00000081272	Gm13509	0.039030393	-2.119974514
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ENSMUSG00000036502	Tmem255a	0.027542358	-2.143557316
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ENSMUSG00000040747	Cd53	7.48E-10	-2.14965931
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ENSMUSG00000079363	Gbp4	0.013841483	-2.20627109
ENSMUSG00000060882	Kcnd2	0.00028512	-2.223397931
ENSMUSG00000024806	Mlana	0.000875729	-2.25884421
ENSMUSG00000072941	Sod3	1.29E-11	-2.260111382
ENSMUSG00000041757	Plekha6	1.20E-06	-2.264788887
ENSMUSG00000001119	Col6a1	0.009919994	-2.280898202
ENSMUSG00000096606	Tpbgl	0.000305994	-2.301431418
ENSMUSG00000105096	Gbp10	0.000241906	-2.31786336
ENSMUSG00000017002	Slpi	1.09E-05	-2.339290138
ENSMUSG00000022340	Sybu	0.000944393	-2.398624101
ENSMUSG00000046805	Mpeg1	5.85E-06	-2.434610638
ENSMUSG00000021895	Arhgef3	0.000214742	-2.462371428
ENSMUSG00000051041	Olfml1	0.006135869	-2.462771156
ENSMUSG00000057092	Fxyd3	0.005605704	-2.487188993
ENSMUSG00000058624	Gda	1.22E-05	-2.562632007
ENSMUSG00000021214	Akr1c18	3.26E-18	-2.575874409
ENSMUSG00000099009	Rdh16f1	0.04787606	-2.600752935
ENSMUSG00000020241	Col6a2	5.50E-05	-2.606313088
ENSMUSG00000040703	Cyp2s1	0.000219459	-2.624402785
ENSMUSG00000024292	Cyp4f14	1.46E-06	-2.778803061
ENSMUSG00000029816	Gpnmb	7.06E-08	-2.780860976
ENSMUSG00000091703	Gm4222	1.21E-07	-2.796984956
ENSMUSG00000048489	8430408G22Rik	1.08E-08	-2.820447319
ENSMUSG00000089675	Ugt1a8	0.034487284	-2.821238819
ENSMUSG00000092021	Gbp11	5.52E-08	-2.843712017
ENSMUSG00000074365	Crxos	1.85E-14	-2.931673268

ENSMUSG00000052974	Cyp2f2	6.95E-05	-2.961032884
ENSMUSG00000089960	Ugt1a1	0.001526291	-3.043417332
ENSMUSG00000079362	Gm43302	0.044041533	-3.126225763
ENSMUSG00000045886	Gm9803	0.014120798	-3.536724449
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