

GeneID	pvalue	pct.1	pct.2	padj	FoldChange
Bcl2	3.66E-33	0.927	0.219	3.64E-29	5.345108942
Gpr83	2.08E-15	0.585	0.062	2.07E-11	3.228146684
Cyp4f18	3.01E-06	0.252	0.016	0.02994494	2.648538213
Ccr7	6.98E-11	0.697	0.312	6.94E-07	2.247091937
Evl	1.14E-10	0.714	0.312	1.13E-06	2.134347966
Asap1	2.70E-09	0.474	0.094	2.69E-05	2.090081418
Izumo1r	6.57E-13	0.923	0.594	6.53E-09	1.997715502
Smc6	5.58E-10	0.949	0.844	5.54E-06	1.933636808
Ssbp2	5.83E-07	0.41	0.109	0.005799783	1.903695297
Igf2r	1.56E-07	0.316	0.031	0.001546404	1.874452908
Ms4a4c	9.25E-06	0.372	0.125	0.091903124	1.861340317
Rps29	2.36E-43	1	1	2.34E-39	1.851594374
Gimap4	2.90E-07	0.855	0.562	0.002885854	1.839025125
Rps27	1.69E-46	1	1	1.68E-42	1.825159254
Ift80	1.95E-07	0.432	0.109	0.001934727	1.815853014
Rps28	8.41E-32	1	1	8.36E-28	1.796675259
Rps27rt	4.36E-20	1	0.984	4.34E-16	1.796641551
Sell	4.53E-06	0.752	0.453	0.044984602	1.785714156
Rpl35a	7.38E-30	1	1	7.33E-26	1.770952048
Rpl9	4.85E-33	1	1	4.82E-29	1.769906433
Rps7	5.25E-32	1	0.984	5.22E-28	1.74471686
Rpl15	5.19E-20	1	0.984	5.16E-16	1.738980435
Ms4a4b	1.14E-13	1	0.844	1.13E-09	1.737094857
Rps19	6.29E-34	1	1	6.25E-30	1.721899799
Satb1	0.000116749	0.59	0.328	1	1.716439836
Rps3a1	1.78E-35	1	1	1.77E-31	1.714752253
Rps18	3.07E-37	1	1	3.05E-33	1.714254799
Ttc3	3.15E-06	0.393	0.172	0.031347299	1.706714355
Ramp1	6.28E-06	0.615	0.281	0.062432551	1.689743108
Rpl13	3.73E-35	1	1	3.71E-31	1.689224284
Rps15a	1.56E-32	1	1	1.55E-28	1.68653052
Kbtbd11	5.25E-05	0.53	0.328	0.52182675	1.684966107
Gm10260	2.20E-16	1	0.984	2.19E-12	1.684616618
Fam169b	0.000255699	0.556	0.312	1	1.676387578
Trem12	9.85E-06	0.295	0.062	0.097875789	1.675617246
Sapcd1	0.010132724	0.269	0.141	1	1.675586939
Rpl12	1.71E-21	1	1	1.70E-17	1.666803991
Rpl36a	5.77E-22	1	1	5.74E-18	1.6626519
Rps20	5.47E-22	1	1	5.44E-18	1.648337243
Rcn1	4.51E-05	0.389	0.125	0.448094558	1.643435054
Foxp1	1.11E-05	0.697	0.453	0.109898554	1.641133534
Gm12840	0.00737433	0.436	0.281	1	1.638881771
Rpl35	1.57E-23	1	1	1.56E-19	1.619750276
Ecm1	0.001029944	0.491	0.266	1	1.617418993
Rpl26	1.02E-18	1	1	1.02E-14	1.615188741
Rabac1	2.50E-06	0.821	0.656	0.024819287	1.613050485

Rps24	6.19E-33	1	1	6.15E-29	1.61271494
Rps5	3.63E-26	1	1	3.60E-22	1.608739955
Rps15	3.05E-26	1	1	3.03E-22	1.604107366
Socs1	0.001286174	0.453	0.281	1	1.598182253
Rpl21	5.69E-20	1	1	5.66E-16	1.597429548
Rps16	6.09E-26	1	1	6.05E-22	1.596185835
Rps17	5.02E-19	1	1	4.99E-15	1.591768946
Rpl8	3.06E-22	1	1	3.04E-18	1.586823858
4930523C07Rik	1.12E-05	0.769	0.625	0.111381455	1.586047583
Arhgap20	2.45E-06	0.188	0	0.024384367	1.582089461
Rps4x	7.27E-23	1	1	7.22E-19	1.57666618
Igfbp4	0.002198716	0.269	0.188	1	1.573021424
Cd96	0.000202333	0.38	0.156	1	1.571059559
Rpl31	5.15E-18	1	1	5.11E-14	1.569791177
Rpl37	1.03E-26	1	1	1.02E-22	1.565277916
Arhgap15	2.93E-05	0.684	0.516	0.291301979	1.556573956
Rpl5	2.99E-11	0.996	0.984	2.98E-07	1.556400876
Scg5	0.00026508	0.363	0.125	1	1.553893604
Rps25	2.62E-15	1	0.984	2.61E-11	1.546359998
Rpl17	1.35E-23	1	1	1.34E-19	1.534741446
Nrip1	0.001255858	0.415	0.219	1	1.531588219
Rps23	9.51E-30	1	1	9.45E-26	1.52178576
Smc4	0.000245497	0.897	0.812	1	1.519591676
Rps8	2.36E-20	1	1	2.35E-16	1.517558643
Rpl18a	1.33E-28	1	1	1.32E-24	1.516964132
Id3	0.004183437	0.573	0.359	1	1.516885648
Rps18-ps3	1.22E-05	0.667	0.531	0.121316791	1.515928139
Rpl23a-ps3	5.16E-07	0.932	0.859	0.005133391	1.513205537
Eef1g	1.05E-07	0.974	0.953	0.001043232	1.511646463
Rps26	6.85E-13	0.996	0.984	6.81E-09	1.509133058
Rpl32	3.68E-23	1	1	3.66E-19	1.504467766
Rpl13-ps3	3.79E-05	0.491	0.328	0.377151131	1.50234928
Rps9	1.64E-22	1	1	1.63E-18	1.497507911
Rgs1	0.033175145	0.487	0.453	1	1.496842258
Rpl30	1.76E-15	0.996	1	1.75E-11	1.49629673
Rpl22l1	3.14E-10	0.983	0.984	3.13E-06	1.495632781
Rpl23	2.90E-20	1	1	2.88E-16	1.494830497
Gm8369	0.000281142	0.65	0.391	1	1.49290895
Capn3	2.24E-05	0.218	0.016	0.223149748	1.491923435
Rps3	7.14E-21	1	1	7.10E-17	1.490702009
Rps6	1.36E-19	1	1	1.35E-15	1.487293989
Iigp1	0.010459167	0.308	0.141	1	1.486613291
Rpl36	5.48E-19	1	1	5.44E-15	1.485132786
Lef1	0.000452285	0.611	0.5	1	1.483913737
Sp110	0.000594118	0.714	0.484	1	1.472071356
Dph5	0.001603733	0.295	0.141	1	1.466577955
Zbtb20	0.001183898	0.303	0.094	1	1.458804059

Rpl18	8.20E-16	1	1	8.15E-12	1.457267467
Itm2a	0.006563619	0.346	0.156	1	1.457038684
Rpl6	4.65E-16	1	1	4.63E-12	1.455501298
Rps14	2.87E-21	1	1	2.85E-17	1.45538066
Arhgef1	7.34E-05	0.897	0.766	0.729273369	1.450611511
Tbc1d4	0.001937899	0.244	0.062	1	1.446490801
Rps27a	7.95E-21	1	1	7.90E-17	1.443935079
Bcl11b	0.000140601	0.859	0.797	1	1.438469111
Rpl3	4.70E-14	1	1	4.67E-10	1.437562883
Gm11808	1.22E-06	0.91	0.859	0.0121467	1.435731156
Btg1	2.42E-06	0.987	0.969	0.024068537	1.435324827
Pecam1	0.002091994	0.376	0.234	1	1.433799875
Thap3	0.002606168	0.402	0.266	1	1.432439347
Vav3	0.000171616	0.226	0.047	1	1.429046531
Impdh2	0.002131262	0.504	0.375	1	1.425500589
mt-Nd5	0.000177883	0.577	0.5	1	1.424473818
Gimap3	9.95E-05	0.812	0.547	0.988672631	1.420316234
Ccdc22	0.013689152	0.303	0.141	1	1.412519569
Eno3	0.008179143	0.252	0.094	1	1.410727764
Sh3bp5	0.004498977	0.209	0.078	1	1.4103483
Gata1	0.000121163	0.201	0.016	1	1.409991576
Rgs10	0.001398107	0.889	0.859	1	1.406569277
Rpl23a	3.91E-16	1	1	3.89E-12	1.404650164
Cytip	0.005171118	0.765	0.688	1	1.402712178
Eef1b2	3.20E-06	1	0.938	0.031792818	1.400291834
Rps10	1.55E-10	1	1	1.54E-06	1.39589921
Pydc3	0.004736553	0.252	0.094	1	1.391018868
Ahcyl2	0.007029357	0.363	0.172	1	1.390809161
Ctsw	0.010107167	0.359	0.172	1	1.390538276
S1pr1	0.012959655	0.556	0.469	1	1.390281833
Actn1	0.010192829	0.342	0.188	1	1.390203876
Cyth3	0.001011618	0.201	0.031	1	1.388661148
Rpl34	5.64E-16	1	1	5.61E-12	1.38585276
Phip	0.012883826	0.372	0.25	1	1.384577311
Rpl10a	3.94E-12	1	1	3.91E-08	1.382648768
Rasa3	0.005611616	0.299	0.188	1	1.381123233
Rplp2	1.23E-13	1	1	1.22E-09	1.376789216
Rpl29	0.00181169	0.436	0.297	1	1.376438933
Rpl4	7.81E-12	1	1	7.77E-08	1.375890009
Ifi27	0.025740048	0.509	0.391	1	1.375049222
Rplp1	8.88E-13	1	1	8.83E-09	1.372780095
Rps11	1.48E-13	1	1	1.47E-09	1.372032966
Rel	0.012307753	0.346	0.203	1	1.371696701
Lamp1	0.003422483	0.568	0.453	1	1.371126947
Ldhb	0.015875649	0.376	0.219	1	1.369061013
Tcf7	0.002345509	0.47	0.234	1	1.368503415
Mdn1	0.000192501	0.218	0.031	1	1.367517615

Tspan32	0.000829188	0.803	0.797	1	1.363585923
Gimap7	0.031373054	0.637	0.484	1	1.362233859
Pik3ip1	0.000802559	0.423	0.328	1	1.357965657
Zcchc11	0.021198623	0.338	0.203	1	1.357128423
Tecpr1	0.005653574	0.423	0.266	1	1.355271069
Rpl7	3.98E-10	1	1	3.95E-06	1.355266961
Uba52	1.40E-06	0.996	0.984	0.01393376	1.353641162
Ralgps2	0.006344606	0.291	0.203	1	1.352637368
St8sia6	0.005064373	0.171	0.047	1	1.34993885
Eef1d	0.005511613	0.885	0.734	1	1.349127259
Rpl27a	9.12E-11	1	1	9.07E-07	1.348232882
Max	0.00960644	0.393	0.266	1	1.34785733
Igf1r	0.000727908	0.201	0.031	1	1.347735053
Ndr3	0.004820326	0.312	0.188	1	1.347034014
Acp5	0.00201402	0.423	0.297	1	1.346267289
Gart	0.01032813	0.265	0.109	1	1.34523482
Phf3	0.006572863	0.453	0.312	1	1.344949561
Sesn3	0.017656086	0.423	0.25	1	1.344748963
Rpl13a	1.22E-15	1	1	1.21E-11	1.34315088
Rps2	1.16E-06	1	1	0.011515827	1.342087673
Atp1b1	0.022117838	0.218	0.109	1	1.341133128
Wdr89	0.000120653	0.987	0.938	1	1.338419757
Rpl10	1.28E-09	1	1	1.27E-05	1.338399952
Tspan3	0.004443596	0.205	0.062	1	1.338118211
Usp3	0.030594057	0.419	0.297	1	1.336921486
Npm1	3.78E-05	0.979	0.922	0.375964767	1.336543571
Nxpe3	0.029324117	0.423	0.266	1	1.336161507
Ptms	0.019586449	0.419	0.359	1	1.33573389
Pura	0.003188829	0.333	0.203	1	1.334374288
Rpl10-ps3	0.001057358	0.769	0.734	1	1.334095757
Chchd10	0.009025656	0.543	0.328	1	1.333693297
Vps37b	0.004971164	0.256	0.094	1	1.333657745
Pacsin1	0.019160646	0.286	0.141	1	1.333123321
Inpp4b	0.023747693	0.641	0.516	1	1.332369691
Nop10	0.001215504	0.786	0.734	1	1.332263014
Cox7a2l	0.000681518	0.97	0.938	1	1.330191733
Fbl	0.001593329	0.697	0.516	1	1.328734596
Rpl14	1.87E-08	1	1	0.000186196	1.32858123
1700025G04Rik	0.005583516	0.179	0.047	1	1.327484041
Nars	0.007790758	0.462	0.359	1	1.326220772
Amer1	0.011442963	0.192	0.062	1	1.326092402
Casp8	0.012748304	0.581	0.516	1	1.325284658
Gm10709	5.88E-06	1	1	0.058446492	1.322328012
C1qbp	0.021227651	0.474	0.312	1	1.318312963
Rpl38	2.89E-10	1	1	2.87E-06	1.316996483
Tnfsf8	0.011957129	0.192	0.094	1	1.31667655
Rplp0	4.04E-09	1	1	4.02E-05	1.315558031

Clec2i	0.038691613	0.239	0.125		1	1.314871933
Tuba4a	0.003557587	0.509	0.422		1	1.313163872
Myc	0.032458015	0.184	0.109		1	1.311459278
Rps21	2.12E-06	1	1	0.02104825		1.311222713
Mgst2	0.016125463	0.303	0.203		1	1.308676962
Guk1	0.008851427	0.393	0.297		1	1.306615848
Ik	0.003934157	0.372	0.281		1	1.304445321
Itga4	0.051786616	0.282	0.141		1	1.304285376
Stk38	0.002295137	0.538	0.516		1	1.304013879
Tia1	0.035608387	0.346	0.219		1	1.300465104
9930111J21Rik2	0.014756434	0.53	0.438		1	1.29894351
Lta	0.046405924	0.214	0.109		1	1.29715518
Sipa1l1	8.20E-05	0.137	0	0.815023867		1.296691334
Chd1	0.034148359	0.397	0.281		1	1.296546183
Hibadh	0.021466694	0.261	0.172		1	1.296164388
Phf1	0.022010491	0.218	0.078		1	1.293013178
Prkcq	0.056389963	0.581	0.469		1	1.291692518
Itih5	0.048011583	0.205	0.125		1	1.291623959
Utrn	0.062623976	0.41	0.312		1	1.291042425
1110032F04Rik	0.018064487	0.175	0.062		1	1.290987558
Ankrd10	0.03254057	0.235	0.141		1	1.288657048
Rps13	1.20E-08	1	1	0.000119291		1.284412711
Rbm4b	0.006194214	0.346	0.266		1	1.284223719
Ier3ip1	0.001527577	0.577	0.812		1	0.77877354
Cdv3	0.02874101	0.248	0.422		1	0.778318262
Sugt1	0.009678883	0.38	0.594		1	0.77830664
Rab18	0.000273363	0.235	0.484		1	0.778171806
Asxl1	0.0032799	0.188	0.391		1	0.777750663
Ptma	0.058597698	0.996	1		1	0.777695378
Ppp2ca	0.013124964	0.286	0.484		1	0.777403496
Mrpl42	0.04452107	0.427	0.562		1	0.777389823
Atp5f1	0.000145099	0.786	0.969		1	0.777383443
Gramd1a	0.001606087	0.231	0.453		1	0.777301914
Cyld	0.044178534	0.286	0.453		1	0.77666966
Sla2	0.000612375	0.124	0.328		1	0.776318854
Nrm	0.001139367	0.094	0.281		1	0.77620514
Pnkp	0.028702022	0.15	0.297		1	0.776132312
Tmem126a	0.004788907	0.201	0.406		1	0.775063125
Rnft1	0.019283242	0.128	0.281		1	0.775054588
Sar1b	0.008269061	0.278	0.484		1	0.774693828
Gmfb	0.001520243	0.15	0.359		1	0.774400122
Psma1	0.01644161	0.577	0.75		1	0.774208304
Gpr68	0.000758631	0.017	0.141		1	0.774034183
Ncaph2	0.001431542	0.175	0.391		1	0.773901393
Vta1	0.0017256	0.098	0.281		1	0.77383546
Ssr1	0.00159183	0.239	0.469		1	0.773795606
Idh3b	0.007629468	0.291	0.5		1	0.773705467

Minos1	0.002367921	0.816	0.953	1	0.773354582
Mrpl57	0.018544362	0.35	0.547	1	0.773290424
Mmd	0.001953738	0.051	0.203	1	0.773210272
H2afv	0.033182922	0.598	0.75	1	0.773187587
Nmb	0.002898336	0.115	0.297	1	0.772994897
lqgap1	0.017359578	0.509	0.703	1	0.772929059
Man2b1	0.029803205	0.171	0.328	1	0.772865306
Tmem256	0.052908854	0.449	0.609	1	0.772711754
Cuta	0.039502433	0.419	0.594	1	0.772509156
Sirt7	0.020324474	0.368	0.562	1	0.772490775
Dstn	0.00036826	0.026	0.172	1	0.772441589
Wdr83os	0.001006244	0.397	0.656	1	0.77241101
Pfcp	0.012871617	0.205	0.391	1	0.772185188
Sfn2	0.061137715	0.726	0.812	1	0.772068801
Knstrn	0.003953253	0.03	0.141	1	0.771957735
Picalm	0.005645324	0.167	0.359	1	0.771565794
Akt1	0.000410348	0.064	0.25	1	0.771499759
Pear1	1.56E-05	0.009	0.156	0.15513449	0.771369357
Chst2	2.83E-05	0.021	0.188	0.281613813	0.771339953
Gsr	0.001046127	0.094	0.281	1	0.771054818
Pcbp2	0.002657761	0.679	0.875	1	0.77083836
Kdelr2	0.001924987	0.158	0.359	1	0.770703188
Tceb2	0.000740329	0.872	0.969	1	0.770650748
Psmb5	0.019171217	0.568	0.719	1	0.770570594
Ehd1	0.000297939	0.094	0.297	1	0.770247413
Ripk3	0.000103622	0.128	0.359	1	0.770246639
Dcun1d5	0.048010444	0.402	0.531	1	0.769933428
Mknk2	0.037163604	0.209	0.359	1	0.769538622
Gstt2	0.000124697	0.056	0.25	1	0.769526483
Coro7	0.000708164	0.145	0.359	1	0.769510594
Pld3	0.008582181	0.265	0.469	1	0.769111712
Ndufa4	9.49E-05	0.936	1	0.943213283	0.76892644
Bax	0.041339617	0.568	0.703	1	0.768871614
Sumo1	0.002297791	0.701	0.891	1	0.768514898
Ifi30	0.045177228	0.098	0.219	1	0.768289049
Psma3	0.004952638	0.782	0.891	1	0.76815326
Anxa5	0.006592444	0.346	0.562	1	0.768103304
Uchl3	0.018252602	0.226	0.406	1	0.767915824
Commd7	0.002523478	0.282	0.516	1	0.767717481
Apoe	0.842954908	0.115	0.141	1	0.76756872
Mkrn1	0.001817829	0.423	0.672	1	0.767430456
Edf1	0.00031702	0.795	0.953	1	0.767283476
Ndufa1	0.005030211	0.62	0.812	1	0.766936889
G3bp2	0.004164706	0.457	0.688	1	0.76687839
Nt5c	0.001371383	0.556	0.797	1	0.766521573
Casp3	7.42E-05	0.06	0.266	0.737424827	0.76643157
Tmpo	0.002057385	0.282	0.516	1	0.766347931

Wls	0.025564318	0.158	0.312		1	0.766316555
Mmadhc	2.70E-06	0.085	0.328	0.02684424		0.766257382
Grb2	0.002624604	0.325	0.562		1	0.766142129
Gba	0.002960256	0.047	0.188		1	0.766010528
Ybx1	0.001158442	0.927	0.922		1	0.7659618
Ndufb2	0.004038446	0.44	0.672		1	0.765801043
Slco3a1	0.005026402	0.098	0.266		1	0.765608684
Sema4d	0.003414504	0.184	0.391		1	0.765368132
Dkk1	7.06E-05	0.013	0.141	0.701600019		0.765172478
Nfil3	0.008358002	0.021	0.109		1	0.765021535
Slmo2	0.000241909	0.141	0.375		1	0.764842315
Ocel1	0.020749007	0.218	0.391		1	0.764511288
Dnajc24	0.003578258	0.128	0.312		1	0.764319417
Pde4b	0.004098663	0.154	0.344		1	0.764297947
Gbp3	0.016598453	0.308	0.5		1	0.764168041
Pitpna	0.000307284	0.44	0.719		1	0.764017585
Zbtb1	0.004530147	0.175	0.375		1	0.763964091
Rnf10	0.003402254	0.261	0.484		1	0.763142564
Arid4a	0.007641144	0.346	0.562		1	0.763063595
Nabp2	0.010281426	0.214	0.406		1	0.76275439
Rhoc	0.013391489	0.021	0.109		1	0.762547909
Akr1a1	0.006135836	0.449	0.672		1	0.76242639
Ier5	0.206627583	0.59	0.688		1	0.762058716
Fam49b	0.010353897	0.624	0.812		1	0.761968894
Mrps28	0.013030744	0.158	0.328		1	0.761771344
Hnrnpab	0.019648535	0.513	0.656		1	0.761759013
Ddit4	0.088810502	0.333	0.484		1	0.761721154
Psmb7	0.019550669	0.427	0.609		1	0.761665344
Bbip1	0.001873357	0.265	0.5		1	0.760958391
Cebpg	0.000179955	0.115	0.344		1	0.760704539
Dennd6a	3.81E-05	0.034	0.219	0.378655408		0.760195621
Mat2b	9.97E-05	0.509	0.797	0.990522592		0.760165941
Ly6c1	0.085204277	0.06	0.141		1	0.760155832
Uqcrb	0.002638571	0.714	0.891		1	0.760118084
Chchd2	0.00024156	0.897	0.984		1	0.760021493
Ptpn22	0.011587523	0.222	0.406		1	0.759778358
Ubxn8	0.001084933	0.073	0.25		1	0.759626606
Impa1	0.007857559	0.248	0.453		1	0.759343907
2700094K13Rik	0.037826136	0.342	0.469		1	0.759282005
Reps1	0.006639332	0.077	0.219		1	0.759156053
Trp53i11	0.021938273	0.192	0.359		1	0.759062665
Agfg1	0.014359541	0.274	0.469		1	0.758956665
Ech1	0.000361829	0.402	0.672		1	0.758875386
Cab39	0.000298699	0.333	0.609		1	0.758820889
Mthfs	0.015771939	0.184	0.359		1	0.758680069
Hint1	0.01384305	0.842	0.922		1	0.758440983
Fam111a	0.006173314	0.205	0.406		1	0.75840397

Bub3	0.00654085	0.483	0.703	1	0.758369402
Cited2	0.010527201	0.141	0.312	1	0.758344356
Hexb	4.24E-05	0.145	0.391	0.421457245	0.758231583
Psmc8	0.001142491	0.581	0.812	1	0.75808991
Gna13	0.001761791	0.214	0.438	1	0.758089746
Gcnt1	0.000577202	0.03	0.172	1	0.757835313
Txndc17	0.008026561	0.41	0.625	1	0.757699218
Cdc37	0.012671424	0.564	0.703	1	0.757489208
Mgea5	0.031896523	0.265	0.438	1	0.757318875
Fam96a	0.010487533	0.406	0.609	1	0.756858763
Hspa8	0.001486615	0.979	1	1	0.756660666
Pyhin1	0.031852531	0.282	0.453	1	0.756621563
Rln3	0.002881998	0.073	0.234	1	0.756509783
Gnb1	0.000179994	0.286	0.562	1	0.756311822
Dusp11	0.00030582	0.415	0.688	1	0.756209321
Ide	0.000694759	0.068	0.25	1	0.756179486
Cep250	0.00589843	0.111	0.281	1	0.756072926
Dbi	0.012853536	0.436	0.625	1	0.755690534
Cbfb	0.003812989	0.222	0.438	1	0.755644131
Mlf2	0.011883113	0.312	0.516	1	0.755585028
1700123O2ORik	0.000656924	0.235	0.484	1	0.755546595
Uqcrfs1	0.000708174	0.543	0.797	1	0.75546452
2700029M09Rik	0.023085409	0.265	0.438	1	0.755424646
Cd3g	0.000499163	0.983	1	1	0.755406693
Pgp	0.009704103	0.175	0.359	1	0.755336592
Rac2	9.35E-06	0.996	1	0.09289611	0.754391918
Racgap1	3.27E-06	0.017	0.203	0.032508419	0.754235897
Ccdc69	0.002120598	0.098	0.281	1	0.753142744
Dut	0.026438477	0.291	0.469	1	0.752796811
Degs1	0.000486628	0.209	0.453	1	0.752084512
Dnlz	0.007232557	0.12	0.281	1	0.752070559
Rab14	0.028089305	0.466	0.641	1	0.751236882
Rab8b	0.01014766	0.201	0.391	1	0.751212113
Whsc1	0.00092042	0.043	0.188	1	0.751163967
Adrbk1	0.0035079	0.274	0.5	1	0.750936366
Psmc2	0.001631813	0.688	0.844	1	0.750724885
Triobp	0.024671417	0.197	0.344	1	0.750579393
Lsm1	0.004091211	0.291	0.516	1	0.750160749
Arl6ip1	0.000685266	0.838	0.969	1	0.750090616
Mcm3	0.011260575	0.111	0.188	1	0.75000145
Serp1	2.12E-05	0.436	0.75	0.211210108	0.749903646
Tesc	0.003720916	0.15	0.344	1	0.74968712
Kdm4a	8.09E-06	0.047	0.266	0.08039632	0.749669068
Fuca2	6.98E-05	0.03	0.203	0.693347786	0.74943439
Spn	0.015644232	0.41	0.609	1	0.749186299
Uqcr10	0.003675902	0.774	0.875	1	0.749147259
AU020206	4.24E-05	0.077	0.297	0.421913748	0.748861017



Emb	0.015146234	0.397	0.594	1	0.748681014
3830406C13Rik	0.000112853	0.154	0.406	1	0.748520175
Acly	0.002470697	0.111	0.297	1	0.748236586
Sf3b6	0.003022923	0.632	0.828	1	0.74821483
Crot	0.007240603	0.171	0.359	1	0.748182669
Rinl	0.004764327	0.517	0.734	1	0.748153552
Ube2c	0.005075792	0.021	0.125	1	0.74773236
Selt	0.011739579	0.269	0.469	1	0.7477131
Mrpl27	0.000325334	0.154	0.391	1	0.747221225
Mrpl51	0.016752758	0.312	0.5	1	0.747029827
Mtdh	0.005735554	0.598	0.797	1	0.746308669
Arl4a	0.002010202	0.175	0.391	1	0.746249859
Sh2d2a	0.002836171	0.256	0.484	1	0.745933624
lqgap2	0.002332334	0.154	0.359	1	0.745685093
Asnsd1	0.007853463	0.209	0.406	1	0.745667425
Sec61b	0.000514633	0.838	0.906	1	0.745166487
Eva1b	0.000108125	0.346	0.641	1	0.745043852
Rock2	0.000358929	0.09	0.297	1	0.744785945
Srrm1	0.002838163	0.581	0.797	1	0.744781297
Map2k3	0.000243325	0.06	0.25	1	0.744738197
Hells	0.00253522	0.064	0.203	1	0.744250314
Ccnb2	0.00019288	0.009	0.125	1	0.744077555
Phgdh	0.018813579	0.342	0.531	1	0.744050406
Mfsd5	6.53E-05	0.051	0.25	0.649068752	0.743895961
Sdhd	0.001635932	0.274	0.516	1	0.743877294
1110008F13Rik	0.00557895	0.419	0.578	1	0.743624737
Rorc	3.10E-08	0	0.156	0.000307763	0.742820317
Snx20	0.000568335	0.299	0.562	1	0.742555397
Itgb1bp1	0.002288545	0.239	0.469	1	0.742426056
Tpi1	0.002089934	0.175	0.391	1	0.741741667
Myo1e	0.037091903	0.043	0.109	1	0.741697591
Commd3	6.81E-06	0.389	0.719	0.06767802	0.741626839
H2-Ab1	0.110581887	0.56	0.703	1	0.741608277
Cul1	0.011860294	0.218	0.406	1	0.741321505
Atpif1	0.01896211	0.496	0.672	1	0.741314876
Ehbp1l1	6.65E-05	0.051	0.25	0.660888002	0.741302888
Ubald1	0.001300078	0.124	0.328	1	0.740723607
Ube2l3	0.004289711	0.568	0.688	1	0.740677216
Dda1	0.000298367	0.188	0.438	1	0.740613759
Ptger4	0.00382683	0.248	0.469	1	0.740282737
Nedd8	0.00273213	0.726	0.891	1	0.740266532
Sdcbp	0.013931127	0.406	0.609	1	0.740219523
Lmbrd1	0.000202722	0.128	0.359	1	0.739942493
Zbtb38	0.001060551	0.231	0.469	1	0.739741932
Cd8b1	0.163103926	0.303	0.359	1	0.739561355
Uap1l1	1.03E-05	0.047	0.266	0.10231265	0.73933526
Ywhab	0.002084929	0.547	0.766	1	0.739293567

Sema4b	0.009525833	0.141	0.312		1	0.739185391
Ndufv3	0.000348953	0.662	0.891		1	0.739056083
Cd52	0.000296067	0.996	1		1	0.738705096
Id2	0.04458873	0.218	0.375		1	0.738425271
Myl12b	3.82E-06	0.833	1	0.038019485		0.738390557
Calr	0.007973347	0.718	0.844		1	0.738335895
Sep-07	0.000737603	0.705	0.906		1	0.738276976
R3hdm4	0.002267102	0.282	0.516		1	0.738067637
Cox6b1	0.000101901	0.85	0.969		1	0.738062299
Sh3glb1	0.00603556	0.547	0.75		1	0.737951006
Fis1	0.001399808	0.752	0.906		1	0.737773609
Arcp5l	0.006584726	0.607	0.734		1	0.736583479
Smim15	0.003559166	0.235	0.453		1	0.736420969
Vps29	0.008210464	0.393	0.594		1	0.735902049
Map1lc3b	0.000529659	0.786	0.891		1	0.735814778
Ly6c2	0.218034333	0.171	0.25		1	0.735362447
Diaph1	0.007422631	0.385	0.594		1	0.735009008
Ctnna1	7.38E-06	0.021	0.203	0.073340459		0.735002016
Cd47	0.000889566	0.829	0.891		1	0.734885128
Cpsf2	0.000777601	0.162	0.391		1	0.734550844
Atp5k	0.00031259	0.632	0.875		1	0.734521023
Arhgdib	7.97E-06	1	1	0.079203919		0.734195904
Ctsd	0.008676817	0.389	0.594		1	0.734118893
Cd53	0.0004707	0.821	0.953		1	0.734095303
Mdfic	0.002179105	0.12	0.312		1	0.734072054
Agpat4	0.001176916	0.103	0.297		1	0.733964707
H13	0.002367863	0.483	0.719		1	0.733077817
Ubl5	0.001012236	0.855	0.938		1	0.733069366
Tmem238	0.000218551	0.047	0.219		1	0.732942195
B2m	1.30E-10	1	1	1.29E-06		0.732647779
Xrn2	0.007999679	0.62	0.75		1	0.732560187
Slc25a4	0.006477273	0.568	0.75		1	0.732369696
Fli1	4.15E-05	0.205	0.484	0.412328034		0.73235729
Nceh1	0.001082421	0.064	0.234		1	0.73220265
Fgl2	1.11E-07	0.004	0.188	0.001103089		0.732157952
Gm15987	1.04E-05	0.047	0.266	0.103561557		0.731827051
Lamp2	9.01E-06	0.085	0.328	0.089551503		0.731811904
Sec62	0.003259432	0.556	0.781		1	0.731790112
Mgat2	6.72E-06	0.248	0.562	0.066753071		0.731669016
Fth1	6.02E-06	1	1	0.05986483		0.731442278
Itm2c	0.007096897	0.521	0.734		1	0.731424765
Sh3bgrl3	0.000443761	0.97	0.969		1	0.731378387
Nek7	0.002428516	0.368	0.609		1	0.731264393
Arhgdia	0.001590031	0.684	0.859		1	0.731201071
Rarg	0.017782084	0.154	0.312		1	0.730998526
Ssbp3	0.001416346	0.158	0.375		1	0.729836727
Rab19	2.62E-05	0.073	0.297	0.260908613		0.729726987

Taf9b	9.18E-06	0.034	0.234	0.091235191	0.729714026
Rpa2	0.007766249	0.184	0.375	1	0.72970589
Tmbim6	0.000266537	0.85	0.953	1	0.729602054
Nfic	7.12E-05	0.051	0.25	0.708159036	0.729370472
Sirt2	0.004744781	0.192	0.391	1	0.72935469
Fkbp2	0.008386504	0.231	0.422	1	0.72933672
Timm8b	0.001916421	0.333	0.578	1	0.728688598
Slc9a3r1	0.003953559	0.692	0.875	1	0.728197966
Crif3	0.019876106	0.521	0.688	1	0.728037909
Bzw1	0.000911036	0.547	0.781	1	0.726897327
Ptp4a2	0.000295752	0.718	0.922	1	0.72647889
Ap2s1	0.000646228	0.56	0.797	1	0.726148326
Top1	0.003850576	0.444	0.672	1	0.726008731
Ikzf3	0.001593279	0.184	0.406	1	0.725856298
Serf2	8.67E-06	0.983	1	0.086160681	0.725177907
Bcl2a1b	0.037282636	0.244	0.406	1	0.724724086
Tox	0.032673112	0.312	0.484	1	0.72439328
Ccdc12	0.00098706	0.543	0.781	1	0.724331051
Glud1	0.016510823	0.436	0.625	1	0.724242375
Nucb1	0.000640009	0.209	0.453	1	0.72378965
Sdc4	0.000985169	0.056	0.203	1	0.723389813
Edem1	1.75E-05	0.179	0.469	0.174320965	0.723095857
Cst7	5.24E-05	0.137	0.391	0.52094715	0.722492236
Fam110a	3.32E-06	0.034	0.25	0.033012362	0.722206221
Wbp5	0.001768845	0.15	0.359	1	0.722190565
Mrpl54	0.000110839	0.474	0.766	1	0.722104095
Abhd17a	0.001346476	0.205	0.438	1	0.721967483
Ppp2r1a	5.21E-06	0.209	0.516	0.051808608	0.721891453
Lman2	0.000476248	0.436	0.703	1	0.721831202
Rnase4	1.27E-05	0.034	0.234	0.126035177	0.721762398
Timm10b	0.000699214	0.479	0.734	1	0.721063793
Tipin	0.003568802	0.12	0.297	1	0.720758737
Rnf149	0.001539361	0.15	0.359	1	0.720221658
Rassf1	0.014103722	0.235	0.375	1	0.71998801
Nav2	5.94E-05	0.009	0.141	0.590184748	0.719814372
Dhrs7	0.001691012	0.128	0.328	1	0.71944724
Cd7	0.001355359	0.205	0.438	1	0.719409266
Mbnl1	4.58E-05	0.876	0.938	0.455460024	0.719291526
Cd74	0.047880169	0.799	0.922	1	0.719058002
Slc25a19	4.28E-05	0.064	0.281	0.425028911	0.718930483
Selk	0.000108698	0.603	0.859	1	0.718114593
Eea1	0.000416544	0.064	0.25	1	0.717798031
Atox1	0.000182164	0.654	0.875	1	0.717494612
Gnb2	0.000298472	0.705	0.906	1	0.717467296
Sart1	0.000156417	0.265	0.547	1	0.717036475
Tln1	0.003511029	0.645	0.812	1	0.716936212
1110008P14Rik	1.28E-05	0.252	0.562	0.12749288	0.716805905

Acot7	0.00206424	0.12	0.312		1	0.716339804
Gata3	0.012574734	0.286	0.484		1	0.716201331
Mesdc1	1.27E-05	0.034	0.234	0.126028863		0.715662627
1500009L16Rik	3.56E-06	0.009	0.172	0.035428006		0.715059073
Tpst2	0.000156442	0.291	0.578		1	0.714847892
Dnase2a	0.002896809	0.137	0.328		1	0.714807596
Ndufb8	0.000169449	0.585	0.844		1	0.714642205
Laptm5	8.65E-05	0.915	0.938	0.86028386		0.713922787
Acadvl	0.004622709	0.184	0.375		1	0.713826733
Zap70	0.007792249	0.35	0.547		1	0.713723954
Gbp4	0.007984929	0.41	0.625		1	0.713388825
Kin	7.36E-06	0.115	0.391	0.073197162		0.713163578
Atp6v0e	0.000392072	0.756	0.875		1	0.713115863
Cks2	0.001824076	0.115	0.297		1	0.712553639
Ebpl	0.006546612	0.248	0.438		1	0.712488307
Sdhb	0.000200228	0.556	0.812		1	0.71171548
Mrps21	0.000403034	0.551	0.797		1	0.711248486
Tram1	0.000431791	0.432	0.703		1	0.710780987
Alad	7.27E-05	0.094	0.328	0.722848244		0.710444313
Raph1	7.29E-05	0.026	0.188	0.724592324		0.710242452
Eif2ak2	0.000799957	0.038	0.172		1	0.71010024
Hmgn2	0.000460726	0.479	0.469		1	0.70985726
Gadd45b	6.02E-05	0.03	0.203	0.598704894		0.709839228
Ndufa11	0.000151966	0.581	0.844		1	0.709137596
Oaz1	9.66E-08	0.979	1	0.000960466		0.70891965
Stap1	0.005888677	0.179	0.375		1	0.708897556
Hist1h1e	0.002128396	0.145	0.344		1	0.708379599
Lrrfip1	0.00123897	0.538	0.75		1	0.707269613
Capza2	1.02E-05	0.594	0.891	0.101363313		0.707096232
Atp5j2	6.44E-06	0.885	0.984	0.063969304		0.707037397
Plgrkt	2.40E-05	0.415	0.734	0.238935485		0.705832006
Prkar1a	1.66E-05	0.641	0.906	0.165485812		0.704919326
Cebpb	0.001793534	0.047	0.188		1	0.704785119
Tgfb1	0.001446291	0.564	0.75		1	0.704656286
Anxa11	0.002414249	0.256	0.469		1	0.704355109
Leprot	0.000104652	0.171	0.438		1	0.703699073
Hiat1	0.001431904	0.158	0.375		1	0.703384718
Gnas	1.03E-05	0.897	0.953	0.10283524		0.702766826
Txndc5	0.002045069	0.128	0.312		1	0.702572612
Azin1	0.000112939	0.15	0.406		1	0.702393589
Sdf4	6.32E-05	0.688	0.922	0.628237884		0.701643033
Rbm3	2.16E-06	0.949	1	0.021467623		0.701313773
Bnip2	3.95E-06	0.222	0.547	0.03922128		0.701233925
Ubl4a	0.005214232	0.209	0.391		1	0.701171969
Rps6ka1	0.002023962	0.145	0.344		1	0.701094121
Coro1b	0.000976095	0.321	0.578		1	0.700610665
Cers4	3.65E-05	0.15	0.422	0.362819743		0.700299238

Ttc39c	1.27E-08	0.009	0.219	0.000125884	0.699604783
Cyb5a	0.000227763	0.778	0.922	1	0.699006819
Casp1	1.19E-05	0.034	0.234	0.118423113	0.698678188
Vamp7	4.54E-06	0.09	0.359	0.045171597	0.697616629
Foxp3	0.018612185	0.479	0.641	1	0.697566285
Ebp	0.007204589	0.308	0.5	1	0.697497726
Wnk1	0.000934602	0.479	0.734	1	0.696642786
Tor1aip1	0.000302795	0.274	0.547	1	0.69542878
Nus1	0.000961449	0.12	0.312	1	0.69484165
Slamf1	0.001856609	0.269	0.484	1	0.694657978
Fmnl1	0.004107216	0.256	0.453	1	0.693495028
Spcs1	0.000213915	0.714	0.828	1	0.692651082
Snx9	8.60E-07	0.013	0.203	0.008546148	0.692429348
Pmm2	5.13E-06	0.162	0.469	0.050990423	0.692359378
Lsm12	0.000719477	0.286	0.531	1	0.690995461
Serpina3g	0.002745972	0.073	0.234	1	0.69039163
Mrpl20	1.27E-05	0.342	0.672	0.125802157	0.689661796
Nfkbia	0.352167529	0.709	0.75	1	0.689263375
Gimp	0.000977002	0.338	0.594	1	0.68893973
Stk17b	2.06E-05	0.624	0.891	0.204516785	0.688925488
Cox8a	1.39E-07	0.876	0.984	0.001378003	0.6883091
Dapp1	0.000891141	0.145	0.359	1	0.687664613
Al662270	0.000248574	0.316	0.594	1	0.687394877
Eif4e3	0.001942268	0.188	0.406	1	0.687103141
Shfm1	4.98E-07	0.846	0.984	0.004950287	0.686866567
Hprt	2.39E-05	0.397	0.719	0.237243899	0.686431722
Atp2b4	6.12E-09	0.021	0.281	6.08E-05	0.686339784
Tmem167	7.94E-05	0.457	0.75	0.788883447	0.685908066
Tecr	2.66E-05	0.53	0.828	0.264854921	0.685617561
Lrba	8.79E-08	0.043	0.312	0.000874058	0.685540751
Arpc3	3.75E-07	0.799	1	0.003723265	0.685531983
Mthfs1	0.001118107	0.209	0.438	1	0.684849569
Ppil1	0.000380449	0.124	0.344	1	0.684022284
Ormdl2	3.38E-05	0.158	0.438	0.3356925	0.68383629
Atp5g3	0.000182638	0.735	0.812	1	0.683620603
Cdkn2c	3.84E-08	0.017	0.25	0.000381932	0.683589994
Hacd3	0.000582236	0.107	0.312	1	0.682943053
Cd37	2.53E-05	0.611	0.875	0.251686863	0.682343675
Sdf2l1	7.82E-06	0.137	0.422	0.07770253	0.682228889
Vsir	0.00126774	0.385	0.625	1	0.681851755
Cd5	0.00016319	0.637	0.75	1	0.681498584
Gmnn	0.000647621	0.094	0.281	1	0.681273805
Pfn1	2.49E-11	1	1	2.47E-07	0.681207959
Vrk1	0.001064056	0.419	0.656	1	0.680468737
Preli1d1	2.96E-05	0.611	0.812	0.294233364	0.680255454
Rftn1	9.62E-05	0.256	0.547	0.956636476	0.678870664
Ppib	3.49E-06	0.803	0.938	0.034688412	0.678716875

Actr3	9.85E-07	0.902	0.969	0.009793268	0.677109061
Junb	0.005768311	0.556	0.766	1	0.67690334
Lag3	1.79E-05	0.03	0.219	0.17833126	0.676885884
Map7d1	2.66E-05	0.068	0.281	0.263996907	0.674936184
Ubl3	0.000145678	0.214	0.484	1	0.674436473
Dynll1	2.17E-05	0.838	0.906	0.215400256	0.674198913
Sytl1	3.01E-05	0.179	0.469	0.299227088	0.673828762
Arf6	0.000130562	0.47	0.734	1	0.673789295
D1Ertd622e	4.21E-06	0.09	0.359	0.04185736	0.673588357
Akr1b10	1.48E-05	0.081	0.328	0.147526956	0.673521914
Sys1	5.91E-06	0.393	0.734	0.058747722	0.673074387
Aplp2	3.62E-05	0.107	0.359	0.359600146	0.672956883
Wdr1	0.00010144	0.509	0.781	1	0.672429893
Cfl1	1.80E-09	0.991	1	1.79E-05	0.671765565
Slc22a15	4.82E-07	0.051	0.312	0.004792497	0.670989005
Nudcd2	9.51E-06	0.226	0.547	0.094522202	0.669629078
Crif2	0.000603967	0.197	0.438	1	0.668130331
Asf1b	2.21E-06	0.034	0.25	0.021996255	0.668030464
Polr1d	1.19E-05	0.654	0.859	0.11804265	0.667846843
Emp3	8.42E-05	0.761	0.859	0.836936794	0.666772104
Mdh1	4.00E-05	0.718	0.906	0.397501241	0.666341874
Myl12a	1.55E-08	0.927	1	0.000153724	0.66588877
Ssbp4	0.000113374	0.261	0.547	1	0.665157172
Sepp1	0.003546095	0.261	0.453	1	0.663676886
Smdt1	5.11E-05	0.581	0.844	0.508377885	0.663618369
Gnai2	1.78E-06	0.756	0.844	0.017702526	0.66274634
Ndufb7	1.94E-05	0.679	0.891	0.192606536	0.661920537
Rbl2	1.40E-05	0.184	0.484	0.139069888	0.661650093
Cyba	2.22E-06	0.936	1	0.022092367	0.661550368
Eif1ax	3.42E-05	0.316	0.625	0.339706935	0.660298239
Capn2	2.59E-05	0.214	0.516	0.257199548	0.66026435
Ly6e	0.002505712	0.355	0.562	1	0.659892419
Lsp1	8.57E-07	0.936	0.953	0.008517488	0.659413447
Malt1	2.55E-05	0.077	0.312	0.253479159	0.658647932
Ufd1l	9.16E-06	0.145	0.438	0.091078256	0.657994869
Rap1b	0.000196801	0.658	0.828	1	0.657720706
Crem	3.33E-07	0.043	0.297	0.003311995	0.656896214
Acot9	0.000154524	0.214	0.484	1	0.65631735
Rheb	8.76E-05	0.346	0.641	0.870443122	0.655885789
Vamp8	9.57E-05	0.526	0.797	0.950881658	0.655804884
Ostf1	0.000206328	0.56	0.734	1	0.655745027
Pomp	4.23E-06	0.692	0.922	0.042029174	0.655251976
Dap	4.69E-05	0.188	0.469	0.465769768	0.654581547
Pim1	0.000267285	0.632	0.875	1	0.654517728
M6pr	0.000180493	0.385	0.656	1	0.654248645
Cox17	8.94E-06	0.641	0.859	0.088841023	0.653654286
Cox5a	1.93E-06	0.739	0.859	0.01918785	0.653140766

Vcp	7.43E-05	0.598	0.812	0.738360353	0.652571349
Ywhaq	2.23E-06	0.692	0.906	0.022196757	0.652039547
Tsc22d4	3.02E-05	0.624	0.875	0.300471592	0.651305761
Tmem154	7.95E-06	0.085	0.344	0.079059975	0.649970491
Gng2	1.25E-06	0.158	0.484	0.01244266	0.649668014
Dctpp1	1.45E-05	0.184	0.484	0.144373824	0.64916021
Ywhae	3.72E-05	0.491	0.766	0.36992538	0.647389841
Pgam1	0.000126723	0.355	0.609	1	0.646771686
Ppp1ca	5.45E-09	0.902	0.969	5.42E-05	0.646555667
Actr2	4.09E-05	0.47	0.766	0.406400232	0.646486114
Ccdc124	1.18E-07	0.256	0.641	0.001176094	0.646137696
Anxa1	1.90E-07	0.013	0.219	0.00188843	0.645908142
Aldoa	2.88E-05	0.731	0.875	0.286484028	0.645700293
Krtcap2	9.82E-07	0.667	0.891	0.009761033	0.645432202
Carhsp1	2.18E-07	0.034	0.281	0.002170151	0.645373865
Hsp90b1	5.26E-05	0.607	0.672	0.52318077	0.645282007
Tmem160	6.13E-05	0.406	0.688	0.608917918	0.645066167
Gpr183	3.68E-05	0.128	0.391	0.36606933	0.642981079
Rtn3	9.07E-06	0.244	0.562	0.090195577	0.642644471
Rcbtb2	1.31E-06	0.098	0.391	0.013037823	0.642240873
Ctsb	1.21E-05	0.449	0.75	0.11990161	0.641038851
Psmb3	5.62E-07	0.748	0.891	0.005588999	0.639320077
Arpc5	4.98E-07	0.803	0.922	0.0049544	0.638705948
Slbp	0.00081239	0.342	0.547	1	0.638060192
Calm3	2.83E-05	0.47	0.766	0.280885852	0.63755449
Sytl2	1.14E-07	0.051	0.328	0.00113367	0.636000535
Prdm1	4.82E-11	0.009	0.281	4.79E-07	0.63504804
Hsd11b1	6.24E-07	0.197	0.547	0.006204217	0.632126759
Epcam	1.24E-07	0.017	0.234	0.001233785	0.63202939
Gpx1	3.25E-05	0.62	0.844	0.322858977	0.631636732
Hbs1l	4.35E-06	0.081	0.344	0.043284593	0.630832481
Ctla2a	2.81E-06	0.043	0.266	0.027959247	0.630376345
Vasp	1.78E-06	0.833	0.953	0.017700488	0.629829278
Ldha	7.36E-07	0.906	0.969	0.00731538	0.629587878
Rfk	1.01E-08	0.111	0.469	0.000100768	0.629247918
Pttg1	2.60E-06	0.051	0.281	0.025867849	0.627616445
Cldnd1	3.96E-05	0.226	0.516	0.393962144	0.627530516
Dynlrb1	5.21E-06	0.444	0.766	0.051740814	0.627394735
Thy1	2.68E-05	0.645	0.75	0.266116348	0.627275247
Anxa6	1.38E-05	0.577	0.797	0.137350988	0.626809075
Ptprcap	3.89E-09	0.974	1	3.87E-05	0.625893668
Snx5	2.81E-05	0.286	0.578	0.279136586	0.624568076
Manf	8.72E-06	0.556	0.781	0.086669382	0.624446287
Top2a	7.69E-06	0.06	0.281	0.076439816	0.624246892
Cenpa	0.000381688	0.132	0.344	1	0.621986071
Tpm4	3.19E-05	0.393	0.688	0.316701143	0.621831429
Timp2	6.84E-07	0.132	0.453	0.00679572	0.620805191

Pkm	1.59E-07	0.808	0.922	0.00157992	0.619403216
Hmgb1	5.05E-06	0.906	0.984	0.050175735	0.617880866
Aprt	2.58E-06	0.479	0.797	0.025608967	0.616600442
Ltb4r1	8.55E-13	0	0.25	8.50E-09	0.616498946
Ikzf2	2.37E-05	0.829	0.906	0.235896281	0.616471211
Mrpl33	3.25E-06	0.628	0.859	0.032297338	0.615899421
Sdcbp2	1.07E-09	0.064	0.406	1.06E-05	0.615047692
Pon2	8.20E-06	0.192	0.469	0.081541215	0.614950831
Lamtor5	1.55E-07	0.436	0.797	0.0015397	0.614858785
Dok2	1.76E-05	0.577	0.844	0.175193172	0.614590125
Rrm2	0.00017518	0.013	0.141	1	0.613002133
Actb	4.01E-08	1	1	0.000398113	0.612772345
Stx11	1.87E-06	0.047	0.266	0.018620846	0.612687733
Cxcr3	0.001389534	0.064	0.219	1	0.612632592
Calm1	1.36E-10	0.97	1	1.35E-06	0.61228436
Tspo	6.47E-08	0.761	0.906	0.000642621	0.610949534
Osbpl3	1.10E-08	0.03	0.297	0.000109175	0.610490049
Sla	6.58E-06	0.171	0.469	0.065412738	0.60951767
Itgb1	0.003886644	0.308	0.531	1	0.60925087
Slamf6	4.22E-11	0.338	0.812	4.19E-07	0.609053456
Capns1	6.03E-09	0.419	0.828	6.00E-05	0.606762031
Smpdl3a	3.42E-05	0.423	0.703	0.339665675	0.606376398
Dek	9.92E-05	0.44	0.672	0.98638556	0.605280134
Lrp10	3.06E-08	0.312	0.719	0.000304375	0.604977018
Mcm6	2.58E-05	0.094	0.328	0.256347634	0.604491398
Psme2	1.03E-09	0.876	1	1.02E-05	0.604254102
Arl5c	5.56E-05	0.321	0.609	0.553067981	0.603901687
Hcls1	4.50E-07	0.543	0.828	0.004477817	0.603373365
Gna15	2.31E-10	0.026	0.328	2.30E-06	0.602916553
Rilpl2	0.001512443	0.201	0.422	1	0.602657274
Baz1a	4.38E-07	0.12	0.438	0.004356222	0.601138219
Vamp5	6.67E-09	0.145	0.531	6.63E-05	0.600799559
Lbh	3.03E-06	0.65	0.875	0.030083856	0.599081285
Gm42418	0.464713239	0.919	0.922	1	0.598820585
Il18r1	1.54E-07	0.068	0.344	0.001529803	0.59789826
Myl6	2.70E-13	0.991	1	2.69E-09	0.597549886
H1f0	3.70E-07	0.098	0.406	0.003674183	0.597531617
Ptpn7	4.60E-06	0.444	0.734	0.045687305	0.594479456
Plk3	2.42E-07	0.03	0.266	0.002402921	0.590339878
Zbtb32	9.70E-10	0.03	0.312	9.64E-06	0.590244666
Ube2n	6.36E-09	0.526	0.828	6.32E-05	0.589412019
Arpc4	1.10E-07	0.667	0.859	0.00109008	0.589257705
Naa10	3.67E-08	0.252	0.641	0.000364477	0.587593117
Tceb3	4.84E-08	0.197	0.578	0.000480807	0.587447853
Fxyd5	3.03E-11	0.932	1	3.01E-07	0.586141049
Ncf4	3.97E-06	0.308	0.625	0.039487322	0.585048939
Cd48	9.76E-07	0.628	0.828	0.009704906	0.582830428



Rab11a	1.11E-05	0.278	0.594	0.110804886	0.582282609
Matk	9.55E-08	0.107	0.438	0.000948828	0.580825738
Cdc42	5.98E-14	0.889	0.984	5.95E-10	0.580696683
Fkbp1a	8.03E-11	0.658	0.906	7.98E-07	0.580661569
Ncmap	4.84E-09	0.043	0.344	4.81E-05	0.580427855
Ifi2712a	1.81E-08	0.991	1	0.000179671	0.577960582
Lamtor4	2.67E-07	0.333	0.688	0.002653353	0.577566525
Itgb7	1.01E-07	0.739	0.875	0.001000898	0.577522299
Ccr4	2.60E-15	0.004	0.344	2.58E-11	0.576710365
Lmnb1	5.78E-05	0.188	0.422	0.574833407	0.576638212
Arpc2	4.26E-16	0.979	1	4.24E-12	0.575747216
Gapdh	1.13E-09	0.846	0.953	1.12E-05	0.57560867
Clic1	5.57E-12	0.893	0.984	5.54E-08	0.574284779
Neb	1.72E-12	0.026	0.375	1.71E-08	0.572675041
N4bp1	2.66E-08	0.103	0.438	0.000264314	0.572567628
Cap1	3.23E-12	0.761	0.984	3.21E-08	0.560941542
Batf	1.29E-08	0.188	0.578	0.000128114	0.557505536
Ndfip1	3.02E-08	0.308	0.703	0.000300536	0.557482666
Rps27l	5.28E-11	0.735	0.922	5.25E-07	0.555364585
Ywhah	7.28E-07	0.462	0.75	0.007231393	0.55517537
Mif4gd	8.25E-08	0.329	0.672	0.000820044	0.552647151
Cd44	1.93E-06	0.175	0.453	0.019220237	0.549894135
Sec11c	7.76E-10	0.556	0.844	7.72E-06	0.548418598
Capzb	1.43E-12	0.726	0.922	1.42E-08	0.546872315
Cmpk1	5.47E-08	0.299	0.656	0.000543705	0.545292842
Cdk6	2.15E-05	0.12	0.359	0.213769432	0.542677061
Atp2b1	7.06E-07	0.44	0.75	0.00702059	0.541115765
Itm2b	6.02E-13	0.987	1	5.98E-09	0.538282349
2810417H13Rik	0.000133788	0.038	0.188	1	0.537720431
Abracl	1.86E-12	0.774	0.953	1.85E-08	0.537719656
Tnfrsf4	0.002022164	0.761	0.859	1	0.536213258
Pla2g16	3.20E-08	0.423	0.781	0.000318267	0.53178772
Psen2	6.61E-11	0.154	0.594	6.57E-07	0.531097992
Lcp1	1.71E-16	0.812	0.984	1.70E-12	0.528571638
Prdx1	1.58E-13	0.808	0.969	1.57E-09	0.524304303
Tnfrsf1b	1.09E-09	0.128	0.5	1.09E-05	0.522183474
Mki67	4.26E-09	0.026	0.281	4.23E-05	0.519806968
Cxcr6	6.99E-07	0.013	0.203	0.006951371	0.519091952
Arpc1b	2.14E-18	0.91	1	2.12E-14	0.516151819
S100a13	8.03E-13	0.487	0.922	7.98E-09	0.507233026
Samsn1	3.53E-07	0.308	0.578	0.003505095	0.506727213
Fam129a	9.65E-08	0.12	0.438	0.000959123	0.504333423
Tnfrsf18	3.94E-11	0.786	0.922	3.92E-07	0.496899354
Snx2	4.30E-12	0.291	0.75	4.27E-08	0.494204479
Lmna	6.72E-12	0.034	0.375	6.68E-08	0.491974932
Tnfaip8	2.58E-08	0.256	0.609	0.000256595	0.485701564
Ccng1	1.93E-09	0.295	0.656	1.92E-05	0.480876287

Il7r	2.10E-07	0.269	0.625	0.001089515	0.47846234
Pkp3	1.98E-08	0.393	0.766	0.000197236	0.478383313
Ccr10	7.91E-15	0.009	0.359	7.86E-11	0.477818912
Gmfg	7.70E-14	0.697	0.938	7.65E-10	0.474053329
Serinc3	1.75E-11	0.192	0.641	1.74E-07	0.471195543
Stmn1	2.77E-05	0.098	0.266	0.275681736	0.458734314
Prr13	2.99E-13	0.44	0.891	2.97E-09	0.457060728
Myo1f	1.39E-16	0.043	0.5	1.38E-12	0.45509957
Fabp5	0.00247536	0.329	0.516	1	0.451240749
Vmp1	1.43E-11	0.256	0.703	1.42E-07	0.450313618
Cst3	1.59E-14	0.466	0.875	1.58E-10	0.449826169
Glipr1	1.78E-15	0.179	0.703	1.77E-11	0.4330827
Pycard	1.02E-13	0.509	0.859	1.01E-09	0.431483892
Ahnak	3.94E-12	0.338	0.766	3.92E-08	0.430503015
Arl5a	2.21E-15	0.081	0.562	2.20E-11	0.429078836
Actg1	4.60E-23	1	1	4.58E-19	0.427987385
Tnfrsf9	2.14E-05	0.218	0.453	0.212982846	0.427345766
Pglyrp1	3.67E-10	0.231	0.641	3.65E-06	0.425026545
Hopx	2.21E-13	0.017	0.359	2.20E-09	0.419089349
AW112010	1.42E-16	0.846	0.984	1.41E-12	0.418954584
Ass1	5.96E-11	0.521	0.828	5.92E-07	0.415122448
Rora	1.08E-15	0.124	0.641	1.08E-11	0.414431734
Reep5	3.76E-20	0.517	0.906	3.74E-16	0.410817521
Gm2a	1.06E-14	0.346	0.781	1.05E-10	0.39535858
Anxa2	2.04E-10	0.103	0.453	2.03E-06	0.392372501
Capg	6.24E-21	0.739	0.938	6.21E-17	0.386743028
Glrx	2.56E-16	0.145	0.641	2.55E-12	0.377423204
Ctla4	1.44E-13	0.231	0.688	1.43E-09	0.375770217
Smco4	9.10E-22	0.137	0.75	9.05E-18	0.374165484
Lgmn	2.45E-22	0.043	0.609	2.43E-18	0.372990695
Lgals3	1.10E-09	0.064	0.391	1.09E-05	0.364621074
Ccr6	1.09E-18	0.06	0.578	1.09E-14	0.338106832
Cmtm7	1.15E-18	0.299	0.703	1.14E-14	0.32409314
Hmgb2	1.86E-15	0.581	0.891	1.85E-11	0.310601009
Vim	1.34E-19	0.748	0.938	1.33E-15	0.302765305
Srgn	1.07E-26	0.662	0.984	1.06E-22	0.288790607
Itgae	2.87E-28	0.09	0.781	2.86E-24	0.264854849
Ccr2	4.18E-29	0.013	0.625	4.15E-25	0.235752999
Maf	2.67E-38	0.06	0.859	2.66E-34	0.213159663
Gzmb	2.43E-17	0.009	0.391	2.42E-13	0.192959333
S100a10	2.28E-57	0.868	1	2.26E-53	0.179625963
Icos	3.64E-35	0.132	0.875	3.62E-31	0.172204595
Crip1	7.70E-27	0.513	0.938	7.65E-23	0.154704442
S100a11	1.84E-51	0.355	0.984	1.83E-47	0.150640965
Lgals1	2.28E-51	0.568	0.984	2.27E-47	0.102245978
S100a4	1.38E-53	0.03	0.938	1.37E-49	0.066607152
S100a6	1.01E-53	0.09	0.938	1.01E-49	0.041158476