

Fig. S1 *Cxcl12* and *Ccl21* expression are unchanged in bladders from aged mice compared to those from young. **(A)** Relative *Cxcl12* in bladders from young (n=12) and aged (n=10) mice. **(B)** Relative *Ccl21* expression in bladders from young (n=5) and aged (n=8) mice.

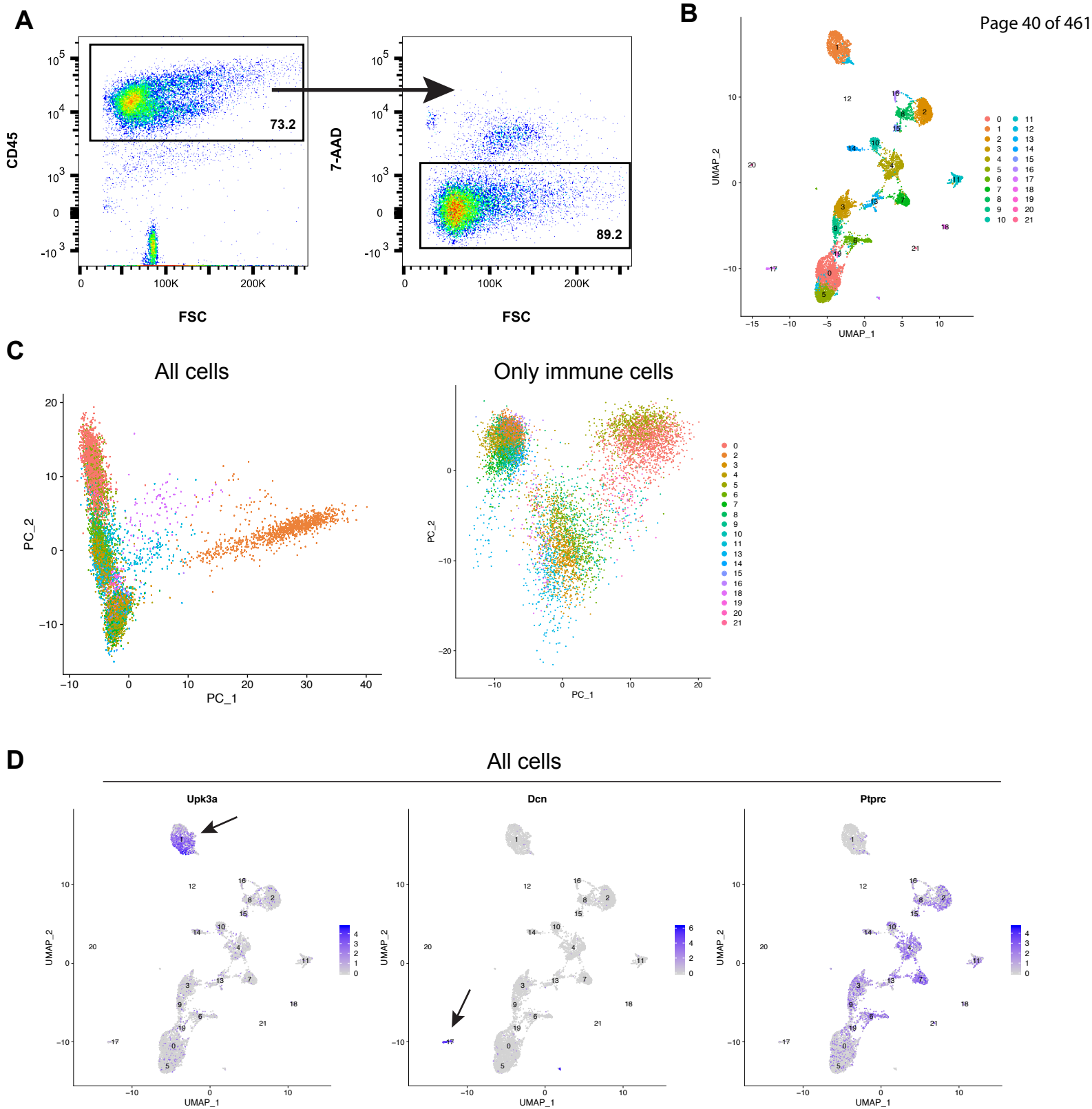


Figure S2. Isolation and initial analysis of CD45+ cells from young and aged bladders used for scRNA-seq. (A) Representative flow cytometry plot of the purity (left) and viability (right) of CD45+ cells from magnetic enrichment. (B) UMAP plot of initial clustering analysis of single cells from young and aged bladders. (C) PCA plots of cell clusters from initial analysis (left) and after exclusion of non-immune cells (right). Cluster colors correspond to initial clustering results as in B. (D) Expression of markers for urothelial cells (*Upk3a*, left), stromal cells (*Dcn*, middle), and immune cells (*Ptprc*, left) in the initial clustering analysis. Arrows points to relevant cell clusters.

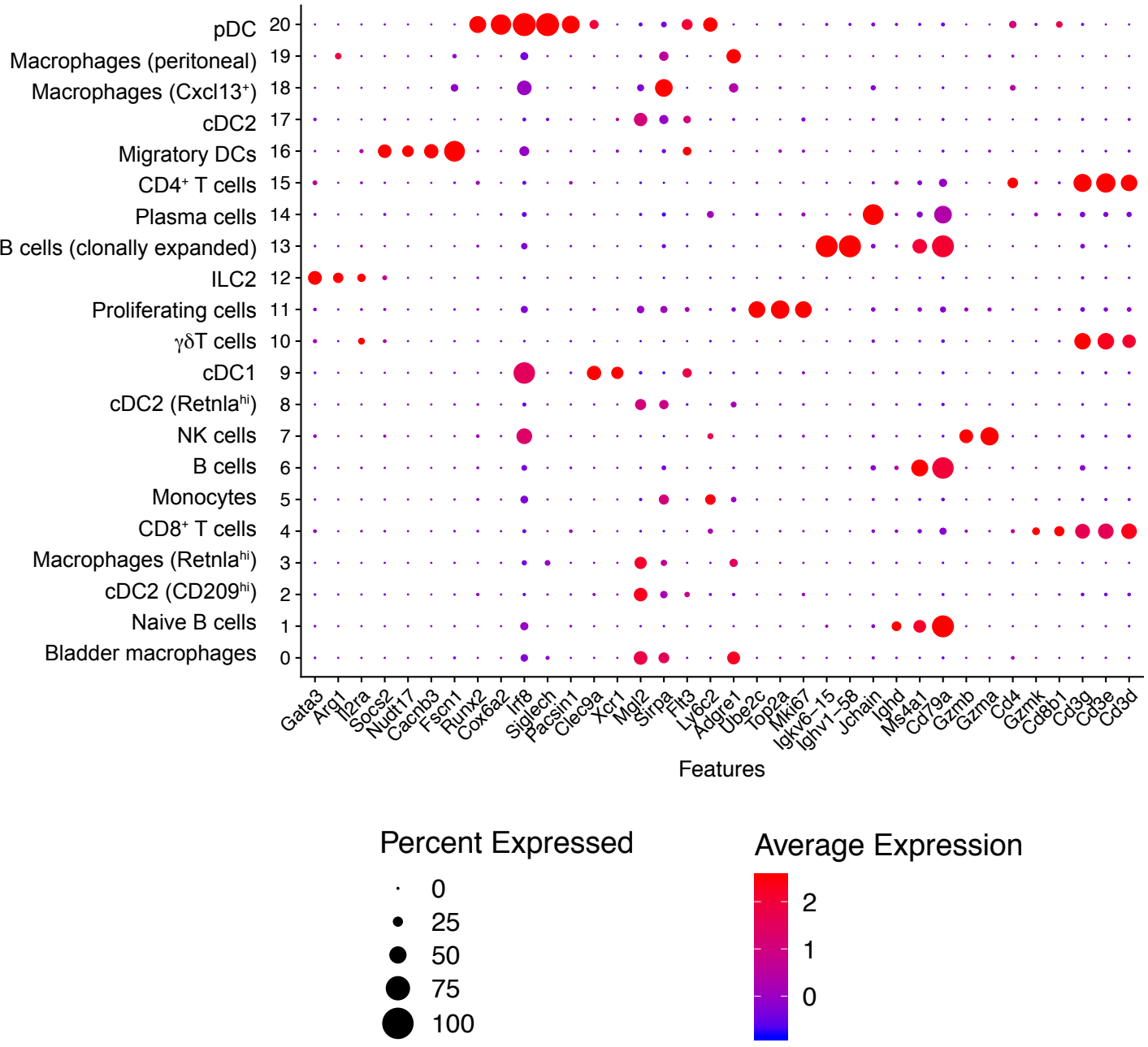


Figure S3. Expression of canonical markers used to identify cluster cell types.

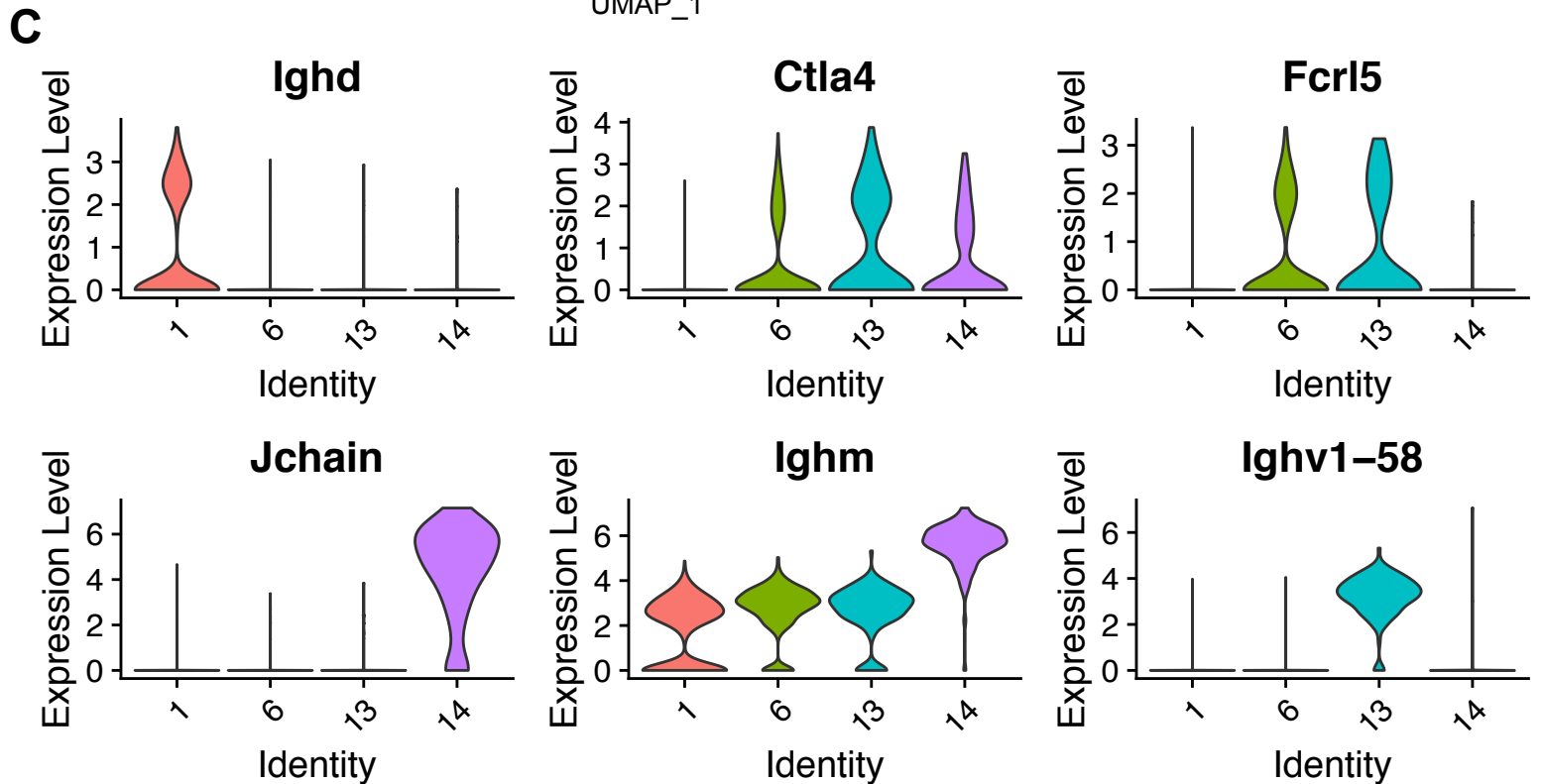
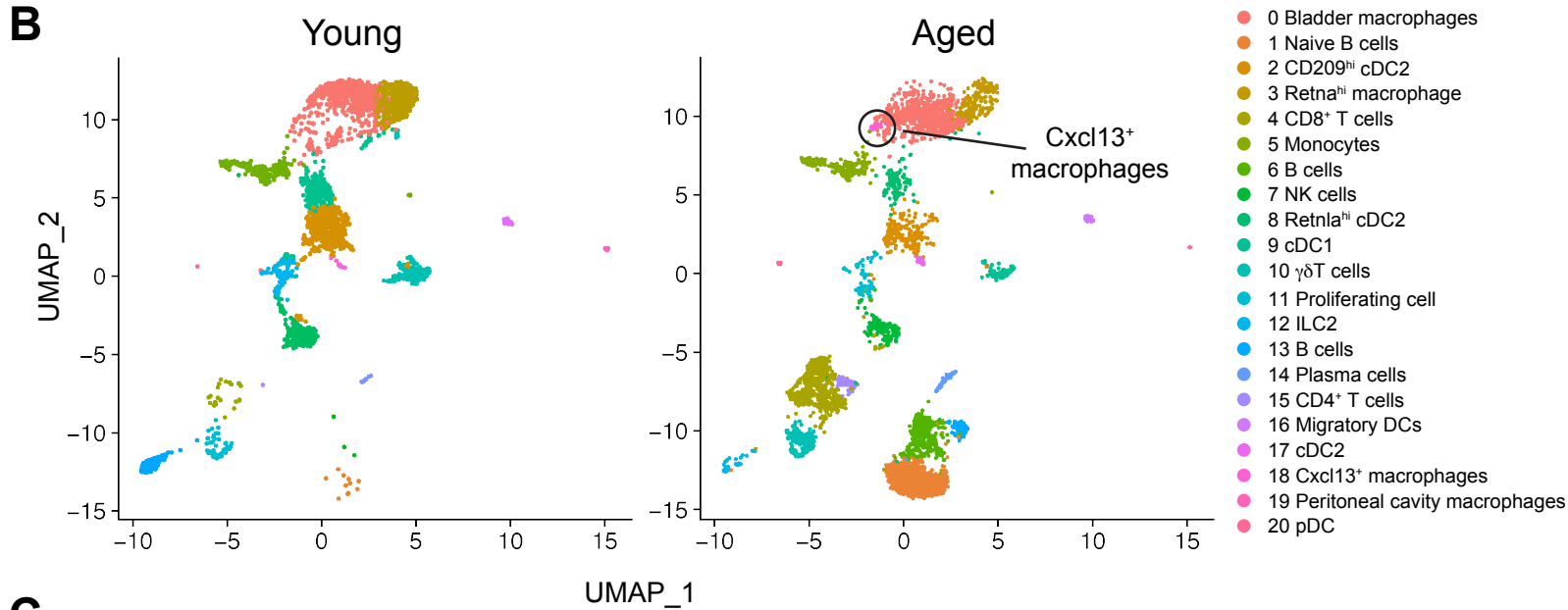
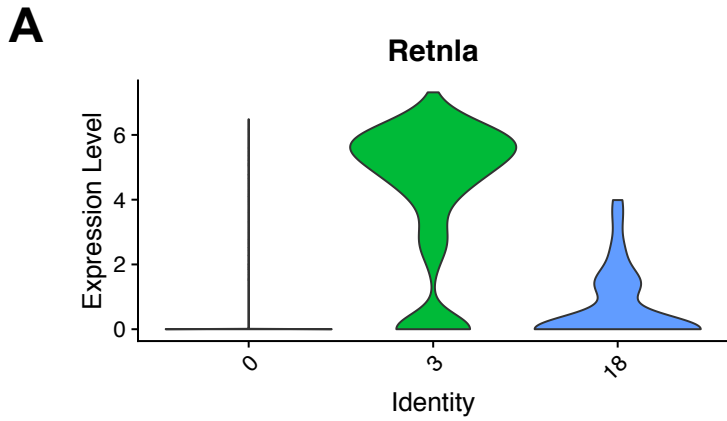


Figure S4. Aged bladders contain unique macrophages and B cells that are absent in young bladders. (A) Expression of *Retnla* in macrophage clusters numbered as in main text (Fig. 2A). **(B)** Cell clusters derived from young and aged bladders colored as in main text (Fig. 2A). **(C)** Expression of select genes differentiating B cell-lineage clusters numbered as in main text (Fig. 2A)

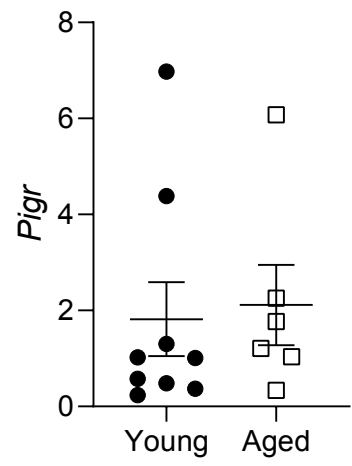


Figure S5. Polymeric Ig receptor (pIgR) expression does not change in aged bladders.

external_gene_name	log2FC	adj.P.Val
Igkv5-39	8.8813366	0.00351
Ighv1-72	8.8007837	0.0105
Igkj2	8.7599188	0.00353
Igkc	8.6912604	0.00309
Ighv3-6	8.6501931	0.0284
Ighv1-26	8.5147847	0.0015
Ighg2b	8.2923533	0.0403
Igkj1	8.0837184	0.0471
Igkv4-91	8.0087522	0.019
Ighv9-3	7.9084023	0.00863
Igkj5	7.8617158	0.00796
Igkv6-20	7.7534837	0.000853
Ighv1-52	7.6841908	0.0047
Jchain	7.6790537	0.00441
Ighv1-55	7.6069486	0.0305
Ighm	7.5258855	0.00068
Mzb1	7.4874908	0.0369
Igha	7.4395241	0.00441
Ighj4	7.3941564	0.0178
Igkv4-55	7.3791455	0.0291
Igkj4	7.3248342	0.0251
Ighj3	7.2279758	0.0125
Igkv6-15	7.0559714	0.00068
Ighv5-17	7.0533394	0.00163
Igkv12-46	7.0295755	0.000508
Ighv1-54	6.9105553	0.0119
Igkv1-110	6.7983054	0.0015
Ighj1	6.7928912	0.0322
Igkv6-17	6.7844217	0.0000995
Ighv14-4	6.7433245	0.00381
Igkv17-121	6.671	0.00217
Ighv14-2	6.6236464	0.000508
Igkv16-104	6.5651756	0.00208
Ighv1-18	6.5194145	0.00723
Ighv7-3	6.4849499	0.00526
Ighj2	6.4359697	0.00445
Igkv3-12	6.4232714	0.00143
Ighv6-3	6.2129207	0.00212
Igkv9-120	6.1968674	0.0101
Iglv3	6.0027237	0.00826
Iglc2	5.8797035	0.0342
Igkv1-135	5.4876922	0.00351
H2-M2	4.7841486	0.00772
Blk	4.6250679	0.0334
Gpr174	4.5626384	0.0226

Serpina3f	4.4145682	0.00795
Slamf6	4.3903404	0.0279
Cd3d	4.3857274	0.00266
Prg2	4.3553355	0.00564
Cxcl13	4.1573853	0.0125
Gpr55	4.1368901	0.0112
Ltb	4.0932467	0.0238
Lat	4.0228361	0.00293
Cd3g	3.9037042	0.00485
Ccl8	3.831428	0.00922
Gimap7	3.8206487	0.0095
Dnase1l3	3.6827184	0.00513
Ly6c2	3.6614257	0.0105
Trbc2	3.6397431	0.0142
Cd5	3.5868987	0.00749
Cd6	3.5835442	0.00839
Zfp831	3.5601086	0.0295
Ccr7	3.4859135	0.0226
Cd3e	3.4509355	0.00167
Pdcd1	3.3734761	0.0424
Zc3h12d	3.3106018	0.0116
Cxcl9	3.2171755	0.0116
Cd2	3.2117235	0.0295
Cacna1e	3.1784358	0.0238
Cd96	3.0649443	0.00266
Gimap3	3.0510773	0.00723
Lax1	3.0464585	0.0186
Ms4a4b	3.0139305	0.0052
Tnfsf8	2.9213082	0.0161
P2ry10	2.8990045	0.0291
Ptpn22	2.8690282	0.0149
Themis	2.8678195	0.00309
Kynu	2.862195	0.0309
Tnf	2.8462852	0.00351
Tspan32	2.8220526	0.012
Cd247	2.8186509	0.0047
Tnfrsf13b	2.8013627	0.0226
Cd52	2.7522877	0.0125
Il7r	2.7461342	0.00213
Derl3	2.7408468	0.0328
Ly9	2.6944655	0.00923
Fcgr4	2.6802147	0.0166
Rhoh	2.6777063	0.0493
Acap1	2.6615527	0.0241
Traf3ip3	2.6396443	0.0307
Parvg	2.6135904	0.0185

Ffar2		2.5604715	0.0122
Lck		2.5572678	0.0235
Cxcr3		2.5135821	0.00591
AC133103.1		2.5055944	0.000508
H2-Oa		2.501198	0.0455
Rasal3		2.4797177	0.0136
Spn		2.4719676	0.0071
Clec2i		2.4584265	0.019
E2f2		2.4574448	0.0187
Itgal		2.4203054	0.00428
Cxcl10		2.4199982	0.00573
Rac2		2.4148082	0.0138
Zap70		2.4107938	0.0183
Apol7c		2.3906983	0.00208
Cd163l1		2.3788437	0.00939
	44075	2.3743116	0.0137
Il2rg		2.3631757	0.0105
Lin28b		2.3515634	0.00266
Itk		2.3211252	0.00751
Cd4		2.3206468	0.00853
Il21r		2.3060993	0.0186
Stat4		2.3014569	0.0238
Ttn		2.2824255	0.013
Tlr1		2.2610584	0.0118
Runx3		2.2408696	0.00863
Gm4759		2.1907777	0.0283
Kcna3		2.173755	0.0139
Ripor2		2.1561728	0.0445
Pou2f2		2.154611	0.00647
Hist1h3c		2.1518564	0.0371
Cxcr4		2.1488816	0.0271
Rit1		2.1417267	0.0033
Rasgrp1		2.1384606	0.00599
Coro1a		2.1369605	0.00968
Trpm2		2.1302521	0.0109
Lat2		2.1249703	0.0102
Hcst		2.1212823	0.00656
Cd180		2.1199523	0.0123
Fgr		2.1174655	0.00213
Fam169b		2.1066825	0.0223
H2-Q7		2.1029251	0.00255
H2-Q7		2.1029251	0.00255
Tnfsf14		2.0987367	0.00538
Cxcr6		2.0982376	0.000714
Ptprc		2.0835303	0.00573
Nkg7		2.0742469	0.00341

Napsa	2.0721189	0.0396
Tbx21	2.0718693	0.00627
AI504432	2.0703679	0.0101
Sash3	2.0691464	0.0207
Pla2g2d	2.0599991	0.00255
Ifi209	2.0552105	0.0212
Cyp4f18	2.0511528	0.0262
Ms4a4c	2.0507489	0.027
Samsn1	2.0441429	0.0145
Slamf8	2.0344584	0.00931
5830411N06Rik	2.0263657	0.0068
Icos	2.0131701	0.00777
Cd101	2.0023969	0.00351
H2-T-ps	1.9815854	0.00618
Tmem28	1.9712181	0.00286
Dok3	1.9562772	0.0283
Mcoln2	1.9530673	0.00266
Podnl1	1.9510553	0.00213
Ikzf1	1.9487629	0.0177
AI662270	1.9472436	0.0184
Stap1	1.9431013	0.0445
Irf4	1.9378485	0.0224
Slc28a2	1.9357467	0.0153
H2-Q5	1.9300449	0.00239
Gm1966	1.9243536	0.0113
Rnase6	1.9062611	0.0173
Slamf7	1.8900406	0.00423
Cd53	1.873887	0.00777
Cytip	1.8720936	0.0367
Gbp8	1.8706982	0.00428
Clec7a	1.8665531	0.0195
Grap2	1.8629998	0.0149
Ciita	1.8607175	0.00801
H2-Q6	1.8497653	0.00266
Serpina3g	1.848992	0.0162
Car8	1.8483426	0.00137
Bub1	1.8373502	0.0162
Lcp2	1.8292684	0.00299
Lair1	1.8215534	0.0135
Il12rb1	1.8173005	0.00428
Il27ra	1.8096766	0.0279
Il2rb	1.8022078	0.00573
Ifit1bl1	1.7541318	0.0095
Padi1	1.7496522	0.00102
Traf1	1.7389391	0.0147
Ncf4	1.7341511	0.0122

Arhgap4	1.7282262	0.0239
Dock2	1.7274009	0.0038
Gm12185	1.7203098	0.0145
Ctss	1.7111113	0.00309
Syk	1.7077492	0.0125
Hist1h2bl	1.702634	0.0161
Cd83	1.7009363	0.00804
Lpxn	1.6910318	0.012
Ptprz1	1.6864605	0.0105
Ptpn7	1.6807404	0.00309
Susd3	1.6734323	0.00689
Anks1b	1.6726322	0.0195
Gpr65	1.6700436	0.00723
Serpinb9b	1.6665074	0.00415
Ccnb2	1.6599166	0.0309
Slco1a4	1.6561958	0.00217
Rgs14	1.6493831	0.0194
Zbp1	1.6454581	0.00863
Gpr132	1.6431573	0.00286
Terc	1.64175	0.00602
Vav1	1.6355044	0.0232
Gm22513	1.6340008	0.0174
Il23r	1.6328489	0.00574
Hvcn1	1.6271747	0.0331
Cybb	1.6166454	0.00381
Mki67	1.6107185	0.0216
Arhgap15	1.6102846	0.00848
Phf11b	1.6055425	0.00351
Bin2	1.5958754	0.0489
Tmprss6	1.5871548	0.0021
Nexmif	1.5830144	0.00137
Bhlha15	1.571443	0.014
Slain1	1.5640129	0.0489
Hck	1.5524145	0.003
Snx20	1.5391033	0.00743
Esm1	1.5370842	0.012
Reg3g	1.531259	0.00824
Sla	1.5271664	0.0145
Scml4	1.5264082	0.0259
Sla2	1.5256115	0.0144
Lrmp	1.5242017	0.0333
Cd274	1.523923	0.0105
Csf3r	1.521779	0.0461
Psemb9	1.5165579	0.00213
Cdh8	1.5135518	0.0049
Ly86	1.5132929	0.0151

Selplg	1.5092213	0.00215
Gimap4	1.5080051	0.0326
B4galnt1	1.5038358	0.0183
Hs3st3b1	1.4962371	0.00777
Nek2	1.4944195	0.0458
Ifi213	1.4908163	0.0224
Myo3b	1.485125	0.00821
Hcls1	1.4730916	0.00796
Asf1b	1.4728995	0.0118
Slc15a3	1.4712498	0.00647
Btk	1.4640327	0.0126
Cd84	1.4627572	0.00999
Plek	1.4615204	0.00417
Rinl	1.4598382	0.00271
Arl5c	1.4582507	0.0169
Kif21b	1.4572071	0.0119
Hist1h3a	1.4548194	0.0364
Cd48	1.4538537	0.0124
Was	1.4530466	0.0206
AB124611	1.4380345	0.00884
Cd300c2	1.4377285	0.00423
Ncapg	1.4318511	0.0397
S1pr4	1.4286819	0.0258
H2-DMa	1.4214553	0.00415
Cd226	1.4180816	0.00782
Epsti1	1.4154617	0.00266
Itgb2	1.4119727	0.00263
Kif11	1.4093629	0.0243
Ctsw	1.4061695	0.0126
Tnfrsf18	1.3996102	0.0127
Aif1	1.3955293	0.0142
H2-Eb1	1.3914174	0.00213
Adgrg5	1.3891996	0.0206
Mcemp1	1.3879978	0.00503
Kcnab2	1.38736	0.0139
Lag3	1.3865526	0.0295
Xcr1	1.3863456	0.0235
Nup210	1.3854759	0.0105
Nxph1	1.3801396	0.00751
Ccl7	1.3722216	0.0499
Cd74	1.371005	0.00286
Cdca3	1.3631608	0.0147
H2-Aa	1.3620377	0.00239
Wdfy4	1.3588973	0.006
St8sia4	1.3575307	0.0102
Ptptr	1.3509917	0.00239

Evi2a	1.3508194	0.00428
Aurkb	1.347505	0.0452
Gm8995	1.3471076	0.00351
Pik3ap1	1.34697	0.00923
	43891	
Dusp2	1.3348754	0.0315
Dusp2	1.3346551	0.0489
Oasl1	1.3339477	0.0231
Ptpn6	1.3258135	0.0105
Themis2	1.3222882	0.0159
Nckap1l	1.3206827	0.0077
H2-Ab1	1.317529	0.00242
Fam167a	1.3143061	0.0241
Krt23	1.3139011	0.00662
Ptpn18	1.3115725	0.00647
Laptn5	1.3102159	0.00646
Ifi47	1.3055942	0.0147
Adgre4	1.3022513	0.0139
Nxpe5	1.3021564	0.0204
AC168977.1	1.3008853	0.0189
C130021I20Rik	1.2989023	0.00351
Plxnc1	1.2954846	0.00381
Itgb7	1.2954125	0.00433
Cabp7	1.2947861	0.00429
Cyp8b1	1.2816199	0.0151
Galnt5	1.2811246	0.0181
Casp1	1.2780159	0.00839
Pcdhb9	1.2684926	0.00453
Itgax	1.2659379	0.00366
C130026I21Rik	1.260353	0.00428
Grap	1.2600255	0.0348
Hist1h4f	1.2599845	0.026
Kif22	1.2599498	0.0135
Clec12a	1.2534917	0.0462
Prdm1	1.24594	0.00889
Wfdc17	1.2439741	0.0497
Car12	1.2333133	0.0137
Nlrc5	1.2314905	0.00217
Grik1	1.2307654	0.00817
Sema4f	1.2268668	0.00646
Il13ra2	1.2156653	0.00208
Lyz2	1.215355	0.01
Ccr5	1.2151657	0.0427
Aim2	1.211504	0.0115
Dnaaf3	1.2076543	0.0343
Ms4a6b	1.2069563	0.018
Sema4d	1.2066828	0.00686

H2-T10	1.2040094	0.0225
Stra6	1.2020953	0.0455
Pik3r5	1.2016844	0.00353
Rorb	1.2015758	0.00564
Cd80	1.1998966	0.0142
Faim2	1.1981455	0.00955
Tlr9	1.1972471	0.0454
Klrd1	1.1926272	0.0265
AW112010	1.1901763	0.00804
Myo1g	1.1887227	0.00647
Nmur2	1.1872507	0.0427
Apol9a	1.1815024	0.0477
Pld4	1.1790609	0.00767
Arnt2	1.1785512	0.00722
Fam46c	1.1777844	0.0295
Hist1h2ai	1.1752143	0.0424
Fmnl1	1.1740934	0.00687
Mpeg1	1.1740358	0.00915
Ap3b2	1.1711156	0.00351
Pirb	1.1633251	0.017
Arhgap45	1.1630886	0.0253
Limd2	1.1626252	0.0113
Hepacam2	1.1584846	0.0412
Il10ra	1.156242	0.00423
Psmb8	1.1558701	0.00455
Cd40	1.1542889	0.0439
Il18rap	1.1521411	0.0109
Nup62cl	1.1514398	0.00154
Tap1	1.1502399	0.00528
Rgn	1.1500573	0.0452
Cdca8	1.1493153	0.0449
Blnk	1.1480054	0.0229
Akna	1.14755	0.0134
Kif15	1.1468814	0.0208
Ifi30	1.144509	0.00449
Myo1f	1.144137	0.00591
Havcr2	1.1399709	0.00619
Pacsin1	1.1387311	0.0393
C4b	1.1386947	0.00255
Srgn	1.1381087	0.00564
Il7	1.1353994	0.00351
Ikzf3	1.1295665	0.0164
Ccdc88b	1.1287825	0.0111
Bco2	1.1269473	0.0231
Trim5	1.1257137	0.0185
Arhgap25	1.1232868	0.0493

Greb1	1.1203819	0.0191
Upb1	1.1165443	0.0068
Relt	1.115317	0.0189
Hist1h2bb	1.1073473	0.0458
Mmp3	1.1052216	0.0396
BC035044	1.100089	0.0205
Oas1a	1.098718	0.0238
Kcnq3	1.0981969	0.0386
Skap1	1.0953046	0.0275
Pik3cd	1.0899357	0.00627
Padi2	1.0897421	0.00241
Rpgrip1	1.0895728	0.0495
Lrrc18	1.088352	0.0258
Cd86	1.0879978	0.0291
Psrc1	1.0876693	0.006
Nos2	1.0864314	0.014
Fermt3	1.0848836	0.00266
Brca1	1.0769344	0.00352
Plk1	1.0767428	0.00739
Slfn8	1.0666408	0.0146
Tnfaip8l2	1.063995	0.00965
Lypd8	1.0628407	0.0247
Arhgap9	1.0623737	0.00889
Igsf6	1.0612519	0.0164
Gimap5	1.0585743	0.0405
Plbd1	1.0565932	0.0117
Tspan33	1.0496629	0.0165
Tgm1	1.0479632	0.0444
B4galnt4	1.0479027	0.0344
Neto1	1.0460026	0.0445
Nfkbie	1.0430462	0.0109
Hap1	1.0423584	0.0111
Wif1	1.039911	0.00351
Gmfg	1.0355651	0.0284
H2-T24	1.0355317	0.00968
Cd68	1.0350452	0.00503
Bcl3	1.0343179	0.048
Ndp	1.0309176	0.0167
Itga4	1.0277607	0.00773
Sp140	1.026063	0.0112
Tox	1.0236573	0.0314
Adcy8	1.0196845	0.0224
Padi4	1.0153744	0.000748
St6gal1	1.0130345	0.0345
H2-DMb1	1.0108097	0.00213
Crabp2	1.0080385	0.00839

Asb16	1.0077059	0.0125
Il18bp	1.0058759	0.0207
Batf	1.0004	0.0407
Loxl2	-1.0021269	0.00239
Kcna5	-1.0057269	0.00747
Jun	-1.0122448	0.0241
Qpct	-1.0185769	0.00296
Adamts20	-1.0261951	0.0052
Usp2	-1.0291867	0.00502
Hey2	-1.0320023	0.0314
Sox8	-1.0357209	0.0355
Gadd45g	-1.0398923	0.0285
Fam169a	-1.0472746	0.0119
Tsc22d3	-1.0495333	0.00252
Trdn	-1.0552334	0.00215
Itga11	-1.0768242	0.00686
Dlgap2	-1.0792269	0.014
Dusp8	-1.0806876	0.0326
Eln	-1.08203	0.00213
Tmem132c	-1.0970441	0.00689
Xirp1	-1.0990353	0.0453
Npnt	-1.0996758	0.00241
Trpc4	-1.1009669	0.00908
Clvs1	-1.1056626	0.0132
Aloxe3	-1.1083363	0.0127
Svopl	-1.1112271	0.00723
Pln	-1.1122826	0.00374
Tmem267	-1.1133486	0.0415
Rasd1	-1.1196009	0.0401
St8sia2	-1.1428356	0.0231
Tnnt1	-1.1504222	0.0125
Lmo3	-1.1508443	0.0367
Mchr1	-1.1858723	0.00934
Tmem200c	-1.1918324	0.0181
Fam107a	-1.2027821	0.00167
Gm11816	-1.2054484	0.0432
Lvrn	-1.2140935	0.00619
Cytl1	-1.216129	0.0167
Hmcn2	-1.2244972	0.00222
Zim1	-1.2332874	0.0493
Zp3r	-1.2502755	0.0153
Amotl2	-1.2587989	0.0154
Col6a6	-1.2936132	0.0202
Susd5	-1.3316688	0.00551
Tnnt3	-1.3361346	0.00213
Gm14066	-1.3487252	0.018

Tmem200a	-1.363788	0.00703
Brinp1	-1.3855514	0.00454
Omd	-1.3995276	0.00686
Cpb1	-1.4134202	0.0102
Gipc3	-1.4272002	0.0386
Dlk2	-1.4356868	0.00213
Lox	-1.5045997	0.00407
Col11a1	-1.5442126	0.0068
Mybpc1	-1.6024746	0.00239
Slc38a4	-1.6420967	0.000523
Gabrb2	-1.7602423	0.00826
Hs6st2	-1.8378803	0.00826
Hhatl	-1.8393012	0.0154
Fstl4	-2.0885987	0.00923
Igf2bp1	-2.1664519	0.00573
Hoxb13	-2.2215383	0.00564
Nrk	-3.8067634	0.00465

	p_val	avg_logFC	pct.1	pct.2	p_val_adj	cluster	
Ccl7	0	2.35994097	0.731	0.102	0	0	0
Ccl12	0	2.31340885	0.454	0.023	0	0	0
Ccl2	0	2.15926863	0.827	0.145	0	0	0
C1qa	0	2.11673246	0.98	0.168	0	0	0
Ccl8	0	2.10840727	0.5	0.076	0	0	0
C1qc	0	2.04425883	0.987	0.171	0	0	0
Pf4	0	1.98901957	0.95	0.146	0	0	0
C1qb	0	1.94371719	0.988	0.194	0	0	0
Apoe	0	1.91721808	0.994	0.34	0	0	0
Cxcl2	0	1.76848017	0.667	0.147	0	0	0
Selenop	0	1.72309037	0.982	0.275	0	0	0
Jun	0	1.65178541	0.924	0.347	0	0	0
Cbr2	0	1.61571659	0.758	0.114	0	0	0
Ier3	0	1.56273166	0.798	0.208	0	0	0
Mmp9	0	1.5372779	0.614	0.07	0	0	0
Csf1r	0	1.52575055	0.88	0.197	0	0	0
Mrc1	0	1.51907338	0.848	0.171	0	0	0
Cd14	0	1.48291478	0.675	0.157	0	0	0
Marcksl1	0	1.48230142	0.907	0.318	0	0	0
Ms4a7	0	1.48177739	0.492	0.036	0	0	0
Stab1	0	1.47876141	0.537	0.05	0	0	0
C5ar1	0	1.45816334	0.624	0.077	0	0	0
Ctsb	0	1.45002203	0.954	0.357	0	0	0
Cd63	0	1.44464511	0.659	0.1	0	0	0
Dab2	0	1.39484305	0.669	0.112	0	0	0
Fos	0	1.3623821	0.956	0.537	0	0	0
Egr1	0	1.35555876	0.906	0.346	0	0	0
Mt1	0	1.28854537	0.865	0.304	0	0	0
Grn	0	1.27359624	0.818	0.267	0	0	0
Adgre1	0	1.26579469	0.512	0.072	0	0	0
Lgmn	0	1.26543155	0.723	0.168	0	0	0
Atf3	0	1.25936294	0.867	0.417	0	0	0
Ifi207	0	1.24126909	0.485	0.071	0	0	0
Nfkbiz	0	1.23820326	0.866	0.335	0	0	0
C3ar1	0	1.23776916	0.451	0.051	0	0	0
Cd163	0	1.22047516	0.465	0.073	0	0	0
Fcgr3	0	1.21889668	0.608	0.132	0	0	0
F13a1	0	1.20392227	0.757	0.161	0	0	0
Igfbp4	0	1.20328822	0.626	0.106	0	0	0
Folr2	0	1.19102742	0.702	0.11	0	0	0
Lyz2	0	1.16901817	0.997	0.444	0	0	0
Blvrb	0	1.16860842	0.588	0.13	0	0	0

Fosb	0	1.15988639	0.898	0.403	0	0
Itm2b	0	1.15385263	0.989	0.737	0	0
Zfp36	0	1.14961707	0.948	0.528	0	0
Wwp1	0	1.14660254	0.521	0.091	0	0
Gas6	0	1.1400257	0.546	0.075	0	0
Ftl1	0	1.13916286	0.998	0.864	0	0
Ninj1	0	1.12992258	0.623	0.148	0	0
Ctsc	0	1.12441156	0.821	0.314	0	0
Dusp1	0	1.10339187	0.935	0.524	0	0
Maf	0	1.06909072	0.613	0.136	0	0
Pltp	0	1.06303685	0.745	0.235	0	0
Mafb	0	1.02392972	0.667	0.163	0	0
Fcer1g	0	0.86743436	0.962	0.481	0	0
Fth1	0	0.75694145	0.999	0.947	0	0
Rps16	0	-0.7237931	0.952	0.979	0	0
Rps24	0	-0.727991	0.976	0.991	0	0
Rpl13	0	-0.7562329	0.973	0.984	0	0
Rpl19	0	-0.7826988	0.913	0.965	0	0
Uba52	0	-0.7992394	0.952	0.981	0	0
Rps15a	0	-0.8426263	0.907	0.961	0	0
Rps7	0	-0.8478542	0.891	0.954	0	0
Rplp0	0	-0.9781155	0.82	0.924	0	0
Rpsa	0	-1.1156585	0.853	0.956	0	0
Tmsb10	0	-2.2851992	0.385	0.886	0	0
Cfp	1.09E-307	1.13950025	0.68	0.22	1.80E-303	0
Fcrls	3.09E-304	1.1225653	0.472	0.085	5.08E-300	0
Clec4n	1.53E-298	1.17361052	0.299	0.023	2.51E-294	0
Tmem176b	6.04E-295	0.95965111	0.825	0.343	9.94E-291	0
Igf1	3.83E-292	1.06034155	0.394	0.053	6.30E-288	0
Rps5	1.11E-291	-0.7186771	0.936	0.969	1.83E-287	0
Fcgrt	9.92E-290	0.99396649	0.61	0.169	1.63E-285	0
Rpl18	1.55E-288	-0.8036195	0.863	0.938	2.54E-284	0
Cd52	1.09E-285	-1.2714659	0.462	0.802	1.79E-281	0
Klf4	8.22E-281	1.05493235	0.732	0.286	1.35E-276	0
Rpl8	5.37E-278	-0.827133	0.854	0.933	8.83E-274	0
Ehd4	7.25E-276	1.0671032	0.605	0.183	1.19E-271	0
Klf6	1.92E-275	1.0052359	0.847	0.451	3.16E-271	0
Rpl18a	5.00E-275	-0.7261524	0.933	0.969	8.22E-271	0
Timp2	1.99E-274	0.94492705	0.531	0.121	3.27E-270	0
Cd68	3.95E-272	1.12177004	0.601	0.19	6.49E-268	0
Ltc4s	5.31E-271	0.98757808	0.439	0.076	8.73E-267	0
Cfh	8.51E-270	1.05359929	0.502	0.114	1.40E-265	0
Pla2g2d	5.33E-267	1.11742708	0.302	0.029	8.77E-263	0

Rps19	7.33E-264	-0.786274	0.884	0.945	1.21E-259	0
App	1.93E-263	1.04164785	0.605	0.191	3.18E-259	0
Cst3	9.22E-252	0.41886466	0.995	0.608	1.52E-247	0
Fcna	9.54E-250	1.02091097	0.47	0.098	1.57E-245	0
Rps3a1	1.68E-249	-0.6331841	0.938	0.97	2.77E-245	0
Pmp22	1.16E-245	0.91878361	0.322	0.04	1.91E-241	0
Ifitm2	9.50E-245	0.86769334	0.747	0.302	1.56E-240	0
Jund	1.97E-244	0.78524611	0.922	0.623	3.24E-240	0
Rps10	3.25E-243	-0.641152	0.924	0.965	5.35E-239	0
Rpl32	1.21E-240	-0.6573941	0.923	0.956	2.00E-236	0
Rps20	3.38E-239	-0.6429298	0.947	0.979	5.56E-235	0
Cd81	1.36E-236	0.94042529	0.612	0.204	2.24E-232	0
Tyropb	3.39E-234	0.65104884	0.966	0.519	5.58E-230	0
Cltc	7.72E-234	0.9745965	0.65	0.252	1.27E-229	0
Ccl24	5.01E-233	1.08530375	0.417	0.083	8.23E-229	0
Coro1a	1.45E-230	-1.1947113	0.334	0.712	2.39E-226	0
Lamp1	1.80E-230	0.89020914	0.743	0.332	2.96E-226	0
Neat1	1.56E-228	0.97108406	0.648	0.247	2.56E-224	0
Cd209f	3.88E-228	1.19112245	0.418	0.087	6.39E-224	0
Rpl9-ps6	4.78E-228	-0.7319097	0.832	0.924	7.87E-224	0
Ms4a4a	6.41E-225	0.95178471	0.315	0.045	1.05E-220	0
Rhob	3.92E-224	1.02617951	0.512	0.145	6.45E-220	0
Glul	2.20E-223	0.95686381	0.519	0.148	3.62E-219	0
Pla2g7	6.38E-221	0.95635485	0.352	0.062	1.05E-216	0
Junb	6.24E-220	0.6296168	0.965	0.812	1.03E-215	0
Ctsl	7.41E-218	0.93787502	0.385	0.076	1.22E-213	0
Rps3	8.54E-217	-0.6820853	0.856	0.927	1.41E-212	0
Trf	1.74E-216	0.95613257	0.476	0.129	2.86E-212	0
Eef1a1	2.10E-215	-0.553028	0.974	0.982	3.45E-211	0
Fau	3.07E-213	-0.4834212	0.987	0.993	5.05E-209	0
Aif1	1.80E-212	0.97307321	0.472	0.133	2.97E-208	0
P2ry6	5.69E-211	0.97314728	0.334	0.06	9.35E-207	0
Rgs10	3.64E-207	0.91522611	0.568	0.203	5.99E-203	0
Rps27	6.06E-206	-0.7674981	0.829	0.92	9.97E-202	0
Ccl3	2.10E-203	1.44392595	0.269	0.036	3.46E-199	0
Mgl2	1.36E-201	0.85122733	0.549	0.17	2.24E-197	0
Rps26	3.41E-201	-0.6066439	0.898	0.943	5.61E-197	0
Atp6v0c	4.69E-201	0.91145647	0.709	0.352	7.71E-197	0
Abca1	1.56E-200	0.88948009	0.376	0.08	2.56E-196	0
Cd209g	1.86E-198	1.0742848	0.317	0.053	3.06E-194	0
Rps8	4.63E-198	-0.4953405	0.969	0.987	7.61E-194	0
Fxyd2	8.38E-197	0.83424657	0.321	0.054	1.38E-192	0
Rps18	5.69E-196	-0.7376191	0.777	0.893	9.36E-192	0

Rps11	1.10E-194	-0.5374686	0.953	0.97	1.80E-190	0
Lst1	5.19E-193	0.85052728	0.434	0.113	8.53E-189	0
Rps4x	8.96E-193	-0.5336575	0.94	0.969	1.47E-188	0
Hpgd	3.54E-191	0.95027136	0.33	0.064	5.82E-187	0
Rps2	4.13E-189	-0.5935115	0.918	0.95	6.79E-185	0
Hexa	6.85E-188	0.87297817	0.575	0.221	1.13E-183	0
Rpl6	4.99E-187	-0.6452563	0.823	0.915	8.20E-183	0
Stard8	9.04E-186	0.80483104	0.302	0.052	1.49E-181	0
Rps27a	1.70E-185	-0.5612422	0.9	0.946	2.79E-181	0
Clec10a	1.10E-184	0.77420444	0.535	0.173	1.81E-180	0
Ifitm3	1.12E-183	0.58676735	0.847	0.403	1.84E-179	0
Cebpd	2.14E-183	0.98454724	0.357	0.081	3.53E-179	0
Cd93	2.04E-182	0.85575398	0.28	0.045	3.35E-178	0
Rgl1	2.39E-182	0.79751151	0.29	0.048	3.93E-178	0
Nrp1	1.16E-181	0.86405975	0.365	0.084	1.91E-177	0
Lsp1	8.02E-177	-1.4863821	0.086	0.474	1.32E-172	0
Zeb2	9.09E-174	0.80228605	0.579	0.225	1.50E-169	0
Serinc3	4.72E-173	0.75443862	0.651	0.284	7.76E-169	0
Rpl11	5.52E-173	-0.5605517	0.878	0.938	9.08E-169	0
Rpl13a	5.75E-172	-0.7774209	0.685	0.845	9.46E-168	0
C4b	9.66E-172	0.79042235	0.343	0.072	1.59E-167	0
Rpl34	1.52E-171	-0.509905	0.915	0.954	2.51E-167	0
Hmox1	5.65E-171	0.828542	0.331	0.071	9.30E-167	0
Rpl39	9.06E-170	-0.6241044	0.832	0.904	1.49E-165	0
Rpl30	1.07E-168	-0.5312251	0.922	0.961	1.76E-164	0
Rps13	8.51E-168	-0.6654941	0.734	0.855	1.40E-163	0
Rpl27a	1.41E-167	-0.6214404	0.827	0.904	2.32E-163	0
Itsn1	1.48E-167	0.7395538	0.276	0.047	2.44E-163	0
Lyve1	2.33E-167	0.77468214	0.322	0.065	3.83E-163	0
Clta	2.01E-166	0.72004747	0.786	0.489	3.31E-162	0
Cytip	6.42E-166	-1.4249323	0.033	0.4	1.06E-161	0
Ccl6	3.79E-164	0.58786367	0.74	0.331	6.23E-160	0
Rpl23	1.27E-163	-0.4562048	0.959	0.979	2.08E-159	0
Tmem106a	9.73E-163	0.77851715	0.293	0.058	1.60E-158	0
Wfdc17	1.98E-162	0.88066509	0.608	0.261	3.26E-158	0
Rpl12	4.88E-162	-0.8354897	0.612	0.799	8.03E-158	0
Rplp2	1.78E-160	-0.5476904	0.867	0.932	2.92E-156	0
Klf2	9.79E-158	0.7627779	0.822	0.538	1.61E-153	0
Cd36	1.53E-156	0.76754905	0.381	0.102	2.51E-152	0
Tmem176a	9.76E-156	0.68623009	0.619	0.263	1.61E-151	0
Rpl36	9.88E-156	-0.5760191	0.835	0.916	1.63E-151	0
Camk1	5.19E-154	0.7804731	0.27	0.052	8.53E-150	0
Socs3	8.67E-154	0.86294605	0.531	0.216	1.43E-149	0

Sdc4	9.86E-154	0.97186159	0.429	0.14	1.62E-149	0
Sirpa	1.42E-153	0.83209717	0.413	0.131	2.34E-149	0
Rpl14	1.65E-153	-0.7181411	0.672	0.815	2.71E-149	0
Rps14	2.29E-152	-0.514717	0.896	0.938	3.76E-148	0
Ctsa	8.57E-151	0.79008379	0.537	0.221	1.41E-146	0
Marcks	1.43E-150	0.69799672	0.606	0.264	2.35E-146	0
Cited2	1.81E-150	0.95145699	0.394	0.123	2.99E-146	0
Unc93b1	3.49E-150	0.69708098	0.727	0.397	5.75E-146	0
Rpl37	4.05E-148	-0.5164024	0.894	0.938	6.66E-144	0
Tgfb1	6.21E-146	0.71912411	0.484	0.174	1.02E-141	0
Rps23	6.69E-146	-0.5341541	0.837	0.91	1.10E-141	0
Rps6	2.72E-141	-0.6888661	0.645	0.803	4.48E-137	0
Rpl10a	5.71E-139	-0.5791164	0.797	0.88	9.40E-135	0
Egr2	3.00E-138	0.89821155	0.334	0.094	4.94E-134	0
Rpl27	2.86E-136	-0.6064187	0.752	0.849	4.70E-132	0
Bri3	4.48E-133	0.71643566	0.616	0.311	7.37E-129	0
Rpl28	1.16E-132	-0.4926293	0.889	0.92	1.91E-128	0
Nfkbia	1.35E-132	0.57594954	0.786	0.454	2.23E-128	0
Rpl3	3.27E-132	-0.615582	0.761	0.857	5.37E-128	0
Rpl35	1.69E-131	-0.4890617	0.896	0.931	2.77E-127	0
Mcl1	2.12E-131	0.68375971	0.672	0.366	3.49E-127	0
Napsa	1.98E-130	-1.3351812	0.021	0.325	3.26E-126	0
Ctsd	3.09E-130	0.66541689	0.543	0.228	5.08E-126	0
Rpl15	1.15E-129	-0.5624291	0.779	0.865	1.90E-125	0
Ptprcap	1.40E-129	-1.4502263	0.024	0.325	2.30E-125	0
Fcgr2b	1.43E-129	0.74020259	0.515	0.22	2.36E-125	0
Gm10076	5.34E-128	-0.4447128	0.93	0.959	8.78E-124	0
Rpl37a	5.37E-128	-0.4644047	0.912	0.947	8.83E-124	0
Sat1	5.63E-126	0.64781139	0.586	0.278	9.26E-122	0
Clec4a1	1.10E-124	0.70996512	0.294	0.077	1.81E-120	0
Serp1nb6a	1.70E-124	0.70507937	0.326	0.092	2.80E-120	0
Kctd12	2.98E-123	0.72455474	0.604	0.313	4.90E-119	0
Rps9	2.84E-121	-0.3949198	0.954	0.965	4.67E-117	0
Gas7	6.18E-121	0.68015598	0.286	0.074	1.02E-116	0
Clec4a2	8.73E-121	0.73929889	0.298	0.083	1.44E-116	0
Btg1	4.18E-119	-0.940205	0.362	0.626	6.87E-115	0
H3f3b	8.27E-119	0.48538463	0.967	0.885	1.36E-114	0
Ubc	3.83E-118	0.68136404	0.744	0.49	6.31E-114	0
Rpl29	1.73E-117	-0.5229158	0.802	0.871	2.84E-113	0
S100a11	6.64E-117	-1.10334	0.159	0.458	1.09E-112	0
H2-M2.1	1.45E-304	2.09225972	0.629	0.007	2.38E-300	18
Anxa5	8.97E-114	0.68942415	0.567	0.286	1.47E-109	0
Lamp2	4.34E-113	0.69335381	0.362	0.125	7.15E-109	0

Atp6v0b	1.45E-112	0.65550904	0.585	0.304	2.38E-108	0
Gm26532	4.00E-112	0.78549852	0.326	0.105	6.57E-108	0
Tcn2	8.76E-112	0.58477899	0.255	0.061	1.44E-107	0
Hacd4	1.20E-111	0.63562237	0.291	0.081	1.98E-107	0
Cd79a	7.27E-110	-2.0605119	0.037	0.305	1.20E-105	0
Eef2	8.90E-110	-0.6526512	0.612	0.761	1.46E-105	0
Rac2	1.59E-109	-0.9445797	0.259	0.537	2.62E-105	0
Sertad1	5.53E-108	0.75372573	0.332	0.112	9.10E-104	0
Cstb	2.40E-106	0.75176585	0.458	0.208	3.94E-102	0
Ier2	6.38E-106	0.66999523	0.749	0.508	1.05E-101	0
Asah1	8.01E-105	0.6874282	0.338	0.117	1.32E-100	0
Rpl26	1.19E-103	-0.4398819	0.865	0.907	1.96E-99	0
Btg2	1.92E-102	0.53528163	0.844	0.628	3.16E-98	0
Rpl22	5.11E-102	-0.5061425	0.749	0.847	8.41E-98	0
S100a6	1.45E-101	-0.6968636	0.612	0.787	2.38E-97	0
Cndp2	6.97E-100	0.63542709	0.295	0.093	1.15E-95	0
Dhrs3	7.47E-100	0.58352275	0.264	0.073	1.23E-95	0
Lmna	1.94E-99	0.76644426	0.401	0.165	3.20E-95	0
Ftl1-ps1	2.18E-99	0.6382973	0.286	0.089	3.59E-95	0
Rack1	2.36E-99	-0.5514683	0.676	0.792	3.88E-95	0
Npc2	8.32E-99	0.48949164	0.737	0.456	1.37E-94	0
Ltb	3.36E-97	-1.2957816	0.016	0.254	5.53E-93	0
Cnn2	1.52E-96	-0.9818302	0.132	0.401	2.50E-92	0
Rpl24	2.07E-96	-0.4670402	0.801	0.864	3.41E-92	0
Cebpb	3.41E-96	0.52704555	0.557	0.273	5.61E-92	0
Ier5	2.00E-95	0.66162129	0.575	0.32	3.29E-91	0
Sdc3	5.11E-94	0.66917583	0.342	0.128	8.41E-90	0
Rpl7	1.41E-93	-0.4720803	0.783	0.856	2.32E-89	0
Ppp1r10	9.72E-93	0.69082443	0.298	0.101	1.60E-88	0
Vps37b	9.87E-93	-1.2883617	0.05	0.292	1.62E-88	0
Pld4	2.23E-91	0.60370793	0.526	0.276	3.68E-87	0
Gpx1	5.65E-91	0.36727726	0.927	0.658	9.29E-87	0
Shisa5	1.01E-90	-0.9311474	0.247	0.502	1.67E-86	0
Snx2	1.27E-90	0.62236818	0.404	0.172	2.08E-86	0
Rps21	4.84E-90	-0.449192	0.839	0.894	7.96E-86	0
Rpl36a	5.09E-90	-0.5574246	0.661	0.785	8.38E-86	0
Tubb6	5.87E-90	0.65485992	0.313	0.115	9.66E-86	0
Lrrc25	1.91E-88	0.64235965	0.273	0.091	3.14E-84	0
Dusp5	2.88E-88	-1.0230899	0.04	0.277	4.74E-84	0
Ifi271l2a	2.74E-87	0.63600942	0.614	0.35	4.51E-83	0
Rpl4	1.02E-86	-0.6219973	0.505	0.679	1.68E-82	0
Atp2b1	2.24E-85	0.55055922	0.551	0.296	3.68E-81	0
Arrb2	1.48E-84	0.64700026	0.301	0.111	2.44E-80	0

Zfand5	5.36E-84	0.63792931	0.444	0.216	8.82E-80	0
Rpl5	2.65E-83	-0.5695434	0.613	0.743	4.36E-79	0
Lmo2	2.72E-83	0.57336989	0.262	0.085	4.47E-79	0
Rpl21	2.93E-83	-0.5813812	0.54	0.711	4.82E-79	0
Sbno2	2.85E-82	0.67359678	0.318	0.124	4.69E-78	0
Mpp1	1.32E-81	0.57479949	0.256	0.082	2.18E-77	0
Tpp1	1.32E-80	0.56507232	0.253	0.082	2.17E-76	0
Bst2	2.43E-79	0.62040766	0.386	0.177	4.00E-75	0
Eef1b2	2.22E-78	-0.5816145	0.556	0.698	3.65E-74	0
Ctss	1.31E-77	0.4887573	0.7	0.452	2.16E-73	0
Eif3f	2.19E-77	-0.620153	0.467	0.655	3.61E-73	0
Ap1b1	5.46E-77	0.58090031	0.271	0.097	8.98E-73	0
Tgfbr2	6.61E-77	0.52771046	0.404	0.182	1.09E-72	0
Pfn1	1.57E-76	-0.4637032	0.828	0.867	2.57E-72	0
Ctsh	2.60E-76	0.47898797	0.586	0.336	4.28E-72	0
H2-M2	1.11E-300	2.00317609	0.405	0.006	1.83E-296	16
Snx6	5.49E-76	0.53853855	0.285	0.105	9.03E-72	0
Ezr	1.42E-75	-0.9097387	0.062	0.28	2.34E-71	0
Myo5a	1.50E-75	0.59051582	0.257	0.089	2.47E-71	0
Gabarap	3.09E-75	0.46211721	0.736	0.523	5.08E-71	0
Rtn4	8.66E-75	0.57441203	0.42	0.209	1.42E-70	0
Rrbp1	1.51E-74	0.50488356	0.531	0.303	2.48E-70	0
Ms4a6c	2.37E-72	0.49574346	0.401	0.186	3.89E-68	0
Snx3	3.13E-71	0.51488499	0.528	0.306	5.14E-67	0
Eps8	1.06E-70	0.56042514	0.291	0.114	1.74E-66	0
Il2rg	1.51E-70	-0.9078348	0.11	0.327	2.48E-66	0
Ap2a2	2.03E-70	0.57090353	0.268	0.1	3.34E-66	0
Cyfip1	2.15E-70	0.57808152	0.327	0.14	3.53E-66	0
Gapdh	3.37E-70	-0.5157668	0.626	0.735	5.55E-66	0
Ets2	1.19E-68	0.5418005	0.289	0.113	1.97E-64	0
Lipa	1.95E-68	0.52846481	0.253	0.092	3.21E-64	0
Kdm6b	2.12E-68	0.51760362	0.488	0.268	3.49E-64	0
Rps15	2.29E-68	-0.534534	0.563	0.702	3.77E-64	0
Wsb1	5.76E-68	0.54699078	0.277	0.108	9.48E-64	0
Myl12b	1.14E-67	-0.6683391	0.343	0.548	1.87E-63	0
Rpl38	1.58E-67	-0.431541	0.723	0.812	2.60E-63	0
Actg1	2.00E-67	-0.4285805	0.901	0.901	3.29E-63	0
Abhd12	6.46E-67	0.55005618	0.263	0.1	1.06E-62	0
Ptprc	7.73E-66	-0.7428115	0.268	0.484	1.27E-61	0
Akr1a1	9.76E-66	0.50064152	0.521	0.311	1.60E-61	0
Psmb8	1.56E-65	-0.6640384	0.317	0.52	2.57E-61	0
Fxyd5	1.69E-65	-0.7467183	0.305	0.505	2.78E-61	0
Actb	2.80E-65	-0.2956252	0.997	0.992	4.61E-61	0

Ctsz	1.01E-64	0.49715334	0.523	0.31	1.67E-60	0
Arhgdib	1.06E-64	-0.6071016	0.46	0.629	1.75E-60	0
Slc6a6	3.10E-64	0.52970412	0.331	0.151	5.10E-60	0
Calm2	2.17E-63	0.47099968	0.561	0.343	3.57E-59	0
Ehd1	4.54E-63	0.56567361	0.338	0.158	7.47E-59	0
Aplp2	1.57E-61	0.46720903	0.395	0.196	2.58E-57	0
Creg1	2.27E-61	0.51795821	0.35	0.168	3.73E-57	0
Ly6d	3.72E-61	-1.2191665	0.154	0.346	6.12E-57	0
Rpl9	1.35E-60	-0.502492	0.493	0.663	2.21E-56	0
Comt	2.43E-60	0.50526669	0.256	0.101	4.00E-56	0
Srgn	2.87E-60	-0.51744	0.554	0.702	4.72E-56	0
Plek	3.02E-60	0.53270128	0.508	0.306	4.97E-56	0
Fyb	1.58E-59	0.4285312	0.413	0.209	2.60E-55	0
Ifnar2	4.41E-59	0.50086014	0.33	0.155	7.26E-55	0
Myh9	6.65E-59	-0.6431566	0.346	0.541	1.09E-54	0
Sub1	8.82E-59	-0.6726456	0.313	0.501	1.45E-54	0
H2-DMb2.1	0	1.62308001	0.673	0.177	0	1
Man2b1	4.08E-58	0.47882264	0.458	0.26	6.71E-54	0
H2-Ob	3.12E-238	1.45105795	0.471	0.106	5.14E-234	1
Ptafr	1.52E-57	0.44252577	0.277	0.116	2.50E-53	0
Stk17b	3.57E-57	-0.747931	0.28	0.476	5.88E-53	0
Nrros	4.79E-57	0.48426534	0.441	0.245	7.89E-53	0
Rnf130	2.57E-56	0.49889824	0.301	0.137	4.23E-52	0
Sdcbp	3.02E-56	0.51356055	0.423	0.238	4.97E-52	0
Trib1	1.97E-55	0.5705983	0.367	0.192	3.25E-51	0
Sqstm1	2.16E-55	0.57422216	0.525	0.346	3.55E-51	0
Btf3	6.48E-55	-0.4948659	0.495	0.642	1.07E-50	0
Pnp	1.65E-54	0.50465356	0.263	0.113	2.72E-50	0
Msn	2.88E-54	-0.666673	0.284	0.472	4.74E-50	0
Limd2	6.88E-54	-0.7530102	0.205	0.394	1.13E-49	0
Rps12	1.48E-53	-0.2859496	0.929	0.94	2.44E-49	0
Ddx3x	3.02E-53	0.5114418	0.411	0.232	4.96E-49	0
Vsir	4.21E-53	0.46589668	0.285	0.13	6.93E-49	0
Rpl17	6.36E-52	-0.5193209	0.446	0.602	1.05E-47	0
Snx5	9.40E-52	0.437357	0.471	0.279	1.55E-47	0
Anxa2	1.38E-51	-0.7280955	0.127	0.312	2.27E-47	0
H2-Eb1.12	6.12E-18	1.1980895	0.971	0.707	1.01E-13	18
BC005537	1.78E-51	0.43996106	0.325	0.158	2.94E-47	0
Alox5ap	3.41E-51	0.26280243	0.608	0.345	5.61E-47	0
AW112010	5.46E-51	-1.2212707	0.123	0.295	8.98E-47	0
Laptm4a	6.76E-51	0.46486413	0.418	0.236	1.11E-46	0
Pid1	7.25E-51	0.48957541	0.254	0.111	1.19E-46	0
Dennd4a	6.96E-49	-0.6948262	0.104	0.278	1.14E-44	0

Clic4	1.26E-48	0.53205846	0.386	0.218	2.08E-44	0
Pepd	1.64E-48	0.43651743	0.262	0.118	2.70E-44	0
Rps28	4.16E-48	-0.3512217	0.753	0.809	6.85E-44	0
Eno1	6.18E-47	-0.6055985	0.27	0.448	1.02E-42	0
Nfkbid	6.44E-46	0.56279933	0.373	0.212	1.06E-41	0
Tnfrsf1a	7.01E-46	0.45604497	0.276	0.132	1.15E-41	0
Zcchc6	1.38E-45	0.46394338	0.298	0.148	2.27E-41	0
Scamp2	1.42E-45	0.491993	0.332	0.179	2.33E-41	0
Naca	5.67E-45	-0.4258302	0.571	0.68	9.33E-41	0
Rpl23a	9.16E-45	-0.4234868	0.535	0.662	1.51E-40	0
Gadd45b	1.07E-44	0.4031897	0.387	0.217	1.75E-40	0
Cd74	2.98E-44	0.27417369	0.962	0.793	4.91E-40	0
Pabpc1	8.55E-44	-0.4454213	0.538	0.658	1.41E-39	0
Rassf4	7.81E-43	0.45176028	0.372	0.214	1.28E-38	0
Ccl9	8.10E-43	0.36793278	0.37	0.199	1.33E-38	0
Arhgap45	9.63E-43	-0.6578662	0.179	0.349	1.58E-38	0
Selplg	2.54E-42	-0.6484507	0.171	0.339	4.18E-38	0
Ly86	2.99E-42	0.40426359	0.455	0.284	4.92E-38	0
Dnajb1	7.23E-42	0.49117231	0.264	0.129	1.19E-37	0
Zfp36l1	1.09E-41	0.39767798	0.661	0.495	1.80E-37	0
Eps15	7.96E-41	0.4230994	0.271	0.135	1.31E-36	0
Hmox2	1.36E-40	0.40670753	0.264	0.13	2.24E-36	0
Lgals1	1.42E-40	0.25567973	0.559	0.364	2.33E-36	0
Gng5	6.62E-40	0.3130765	0.722	0.565	1.09E-35	0
Rpl41	6.82E-40	-0.3548985	0.685	0.76	1.12E-35	0
Gpr132	8.55E-40	-0.5662707	0.1	0.255	1.41E-35	0
Spi1	8.64E-40	0.34510029	0.443	0.271	1.42E-35	0
Gns	1.90E-39	0.39729557	0.265	0.131	3.13E-35	0
Cd37	4.31E-39	-0.781684	0.212	0.359	7.09E-35	0
Rnaset2a	6.83E-39	0.41612274	0.402	0.248	1.12E-34	0
Rpl36al	8.27E-39	-0.3995602	0.523	0.633	1.36E-34	0
Vamp8	1.02E-38	0.37938734	0.474	0.309	1.68E-34	0
Ppia	1.33E-38	-0.2877887	0.88	0.89	2.19E-34	0
Psme1	2.06E-38	-0.5299391	0.275	0.437	3.39E-34	0
Icam1	5.95E-38	0.50273029	0.283	0.15	9.79E-34	0
Picalm	1.25E-37	0.39945194	0.271	0.139	2.06E-33	0
Cd83	4.00E-37	0.41774027	0.598	0.439	6.58E-33	0
Ifrd1	5.96E-37	0.47632634	0.352	0.212	9.81E-33	0
Litaf	1.05E-36	0.38161826	0.386	0.233	1.73E-32	0
Rbm3	1.18E-36	-0.4372056	0.449	0.579	1.95E-32	0
Ptma	2.30E-36	-0.3734883	0.756	0.79	3.78E-32	0
Aldh2	5.98E-36	0.34432008	0.324	0.178	9.84E-32	0
Ucp2	3.83E-35	-0.4327817	0.515	0.619	6.31E-31	0

Mtss1	8.98E-35	0.34091398	0.254	0.127	1.48E-30	0
Ldha	1.36E-34	-0.5395376	0.217	0.369	2.23E-30	0
H2-Oa	1.16E-102	1.14504927	0.34	0.114	1.90E-98	1
Rpl35a	3.78E-34	-0.3388709	0.661	0.724	6.22E-30	0
Rap1b	8.30E-34	0.28206331	0.549	0.382	1.36E-29	0
H2afy	8.60E-34	-0.5541532	0.137	0.281	1.41E-29	0
Npm1	9.63E-34	-0.4638324	0.435	0.554	1.58E-29	0
mt-Nd4	1.00E-33	0.25049202	0.799	0.678	1.64E-29	0
Eif5a	1.57E-33	-0.4984137	0.307	0.453	2.58E-29	0
Pkm	1.68E-33	-0.5185342	0.188	0.338	2.77E-29	0
Flna	1.91E-33	-0.5631109	0.18	0.328	3.15E-29	0
Gm2a	1.94E-33	-0.6730965	0.176	0.314	3.20E-29	0
Rpl7a	3.30E-33	-0.3008112	0.725	0.772	5.42E-29	0
Mat2a	5.94E-33	0.3908692	0.353	0.214	9.78E-29	0
Prdx1	2.47E-32	0.29174494	0.502	0.349	4.06E-28	0
Rpl22l1	3.04E-32	-0.496227	0.332	0.47	5.00E-28	0
Rbms1	9.03E-32	0.36155276	0.367	0.23	1.49E-27	0
Irf1	1.10E-31	0.40102763	0.287	0.16	1.80E-27	0
Cybb	1.39E-31	0.27246128	0.46	0.297	2.29E-27	0
Ahnak	2.62E-31	0.2941642	0.682	0.513	4.32E-27	0
Mrfap1	2.70E-31	0.34154676	0.384	0.245	4.45E-27	0
Atp5e	2.79E-31	-0.3676332	0.544	0.642	4.59E-27	0
Tmem256	5.88E-31	0.37786298	0.304	0.18	9.67E-27	0
Ubb	7.53E-31	0.25246902	0.926	0.862	1.24E-26	0
Snrpg	1.66E-30	-0.4896939	0.16	0.3	2.73E-26	0
Sh3glb1	1.97E-30	0.33282238	0.467	0.323	3.24E-26	0
Mef2c	8.01E-30	0.26173412	0.357	0.213	1.32E-25	0
H3f3a	1.27E-29	-0.3770824	0.716	0.744	2.09E-25	0
Eif3h	1.35E-29	-0.4614688	0.301	0.437	2.22E-25	0
Card19	1.57E-29	0.38982953	0.264	0.148	2.58E-25	0
Nme2	1.11E-28	-0.3807529	0.467	0.572	1.82E-24	0
Hsp90ab1	1.15E-28	-0.28896	0.785	0.811	1.89E-24	0
Eef1g	1.57E-28	-0.485351	0.268	0.403	2.59E-24	0
Taldo1	8.66E-28	-0.4877189	0.172	0.305	1.42E-23	0
Ddx5	9.26E-28	0.25348304	0.797	0.679	1.52E-23	0
Gnai2	1.06E-27	0.25598306	0.653	0.497	1.74E-23	0
Cnbp	1.15E-27	-0.4527961	0.322	0.456	1.88E-23	0
Ppp1ca	2.03E-27	-0.4625839	0.271	0.403	3.34E-23	0
S100a10	6.35E-27	-0.3881546	0.351	0.487	1.04E-22	0
Atpif1	6.36E-27	0.28024523	0.428	0.287	1.05E-22	0
Bsg	2.14E-26	0.33766435	0.355	0.231	3.53E-22	0
Slfn2	7.17E-26	0.33800754	0.315	0.194	1.18E-21	0
Anp32b	8.94E-26	-0.4606199	0.205	0.331	1.47E-21	0

H2afz	1.04E-25	-0.5409675	0.552	0.597	1.72E-21	0
Serp1	1.18E-25	-0.5147185	0.28	0.4	1.94E-21	0
Aldoa	1.40E-25	-0.4621754	0.267	0.392	2.31E-21	0
Rpl31	3.72E-25	-0.3842221	0.402	0.521	6.12E-21	0
Cdk2ap2	6.46E-25	-0.5142978	0.167	0.29	1.06E-20	0
Zyx	1.19E-24	-0.478849	0.165	0.287	1.96E-20	0
Ap2s1	1.76E-24	0.30085084	0.284	0.173	2.90E-20	0
Gstp1	2.95E-24	-0.4662998	0.198	0.323	4.85E-20	0
Nfe2l2	4.82E-24	0.36084183	0.278	0.171	7.92E-20	0
Tpm4	6.75E-24	-0.4886308	0.152	0.267	1.11E-19	0
Atp5d	9.57E-24	-0.3719517	0.339	0.463	1.57E-19	0
Adgre5	1.38E-23	-0.4164774	0.143	0.266	2.27E-19	0
Clec2d	1.60E-23	0.33542251	0.27	0.163	2.63E-19	0
Atf4	1.74E-23	0.31394238	0.301	0.189	2.86E-19	0
Eif3i	1.80E-23	-0.4174563	0.169	0.291	2.95E-19	0
Itm2c	3.21E-23	0.30442862	0.298	0.188	5.28E-19	0
Sec61b	3.66E-23	-0.4058605	0.4	0.503	6.02E-19	0
Psmb3	8.59E-23	-0.4224269	0.174	0.293	1.41E-18	0
Ccnl1	1.69E-22	0.29386861	0.403	0.282	2.77E-18	0
Ywhaz	2.07E-22	-0.3476067	0.444	0.551	3.41E-18	0
Ppp1r15a	2.72E-22	0.27014834	0.461	0.331	4.47E-18	0
Rbpj	3.95E-22	0.27760388	0.258	0.155	6.50E-18	0
Canx	5.87E-22	0.27022831	0.383	0.263	9.66E-18	0
Rab14	6.13E-22	0.30341158	0.332	0.221	1.01E-17	0
Hspa5	6.57E-22	0.27483774	0.563	0.439	1.08E-17	0
Plekho2	1.11E-21	0.30665534	0.266	0.165	1.82E-17	0
Ran	1.26E-21	-0.4228534	0.207	0.322	2.07E-17	0
Fis1	2.75E-21	-0.4044287	0.205	0.323	4.52E-17	0
Cyth4	2.80E-21	0.27866128	0.32	0.211	4.61E-17	0
Rps25	1.08E-20	-0.2831835	0.632	0.68	1.78E-16	0
Psmb1	1.42E-20	-0.3920961	0.22	0.334	2.34E-16	0
Lamtor1	1.78E-20	0.3175935	0.277	0.179	2.93E-16	0
Slc3a2	2.77E-20	0.26125106	0.301	0.196	4.56E-16	0
Eif3e	3.29E-20	-0.392013	0.175	0.288	5.41E-16	0
Eif3k	4.00E-20	-0.3427958	0.353	0.465	6.59E-16	0
Herpud1	7.65E-20	0.34452406	0.263	0.167	1.26E-15	0
Serbp1	9.25E-20	-0.3596221	0.291	0.409	1.52E-15	0
Gnas	2.55E-19	-0.3277595	0.392	0.494	4.19E-15	0
Actr3	2.62E-19	-0.3267061	0.454	0.542	4.31E-15	0
Gltp	9.18E-19	0.28261586	0.339	0.238	1.51E-14	0
Lsm4	1.09E-18	-0.3858325	0.155	0.259	1.79E-14	0
Tmed10	1.37E-18	0.27819769	0.369	0.264	2.25E-14	0
Mif	1.58E-18	-0.4388168	0.168	0.268	2.61E-14	0

Coro1b	1.62E-18	0.26047207	0.325	0.224	2.67E-14	0
Fkbp2	3.91E-18	0.26614737	0.252	0.161	6.44E-14	0
Pde4b	4.55E-18	-0.3461307	0.329	0.44	7.49E-14	0
Capg	1.04E-17	-0.4266346	0.181	0.277	1.71E-13	0
Akap13	1.39E-17	-0.3709837	0.239	0.344	2.29E-13	0
Psme2	1.88E-17	-0.396085	0.253	0.355	3.08E-13	0
Fkbp1a	2.65E-17	0.25850284	0.331	0.233	4.37E-13	0
Nol7	4.04E-17	-0.3477525	0.188	0.291	6.64E-13	0
Macf1	5.30E-17	-0.3916565	0.167	0.264	8.72E-13	0
Rbm39	8.67E-17	-0.3131851	0.455	0.55	1.43E-12	0
Cycs	1.18E-16	-0.3484782	0.166	0.266	1.94E-12	0
Hnrnpa1	1.38E-16	-0.3611647	0.22	0.322	2.28E-12	0
Ndufc2	2.42E-16	0.25283499	0.298	0.206	3.97E-12	0
Snrpe	4.60E-16	-0.3567734	0.226	0.326	7.57E-12	0
Atp5b	6.83E-16	-0.3517784	0.285	0.378	1.12E-11	0
Atp5h	7.13E-16	-0.3057471	0.434	0.513	1.17E-11	0
Csrnp1	8.14E-16	0.28558535	0.296	0.206	1.34E-11	0
Psmb9	1.10E-15	-0.3579929	0.167	0.26	1.81E-11	0
Hnrnpa3	1.18E-15	-0.3197334	0.44	0.519	1.95E-11	0
Gm8186	3.05E-15	-0.3417352	0.181	0.277	5.01E-11	0
Uqcrh	4.66E-15	-0.2867422	0.504	0.576	7.67E-11	0
Psm7	4.86E-15	-0.3251406	0.254	0.35	7.99E-11	0
Cd47	5.58E-15	-0.3222676	0.274	0.368	9.17E-11	0
Myl12a	1.18E-14	-0.3172381	0.316	0.412	1.94E-10	0
Snrpf	1.21E-14	-0.2997322	0.174	0.269	1.99E-10	0
Sec11c	2.30E-14	-0.3408001	0.189	0.281	3.79E-10	0
Syng2	1.05E-13	-0.3540227	0.179	0.265	1.73E-09	0
Pgls	1.89E-13	-0.3076441	0.214	0.305	3.11E-09	0
Dad1	2.64E-13	-0.3580882	0.257	0.343	4.34E-09	0
Hspe1	3.65E-13	-0.3185134	0.226	0.314	6.00E-09	0
Tubb5	4.77E-13	-0.4107194	0.231	0.313	7.85E-09	0
Capzb	5.12E-13	-0.2640156	0.409	0.489	8.42E-09	0
Gm26917	8.99E-13	-0.3883558	0.331	0.419	1.48E-08	0
Abrac1	9.02E-13	-0.2939244	0.191	0.278	1.48E-08	0
Rilpl2	1.13E-12	0.31092324	0.276	0.202	1.86E-08	0
Rtraf	1.28E-11	-0.3014193	0.202	0.283	2.10E-07	0
Atp5c1	1.80E-11	-0.2614057	0.272	0.361	2.96E-07	0
Dock2	3.02E-11	-0.3437668	0.191	0.266	4.97E-07	0
Mrpl52	4.26E-11	-0.2767944	0.252	0.335	7.01E-07	0
Eef1d	4.41E-11	-0.2934658	0.35	0.426	7.26E-07	0
Kmt2e	4.49E-11	-0.3094332	0.21	0.285	7.39E-07	0
Hmgb2	5.31E-11	-0.4151882	0.194	0.264	8.73E-07	0
Tma7	1.01E-10	-0.2637713	0.273	0.352	1.66E-06	0

Hnrnpf	1.38E-10	-0.2724068	0.376	0.448	2.27E-06	0
Krtcap2	2.94E-10	-0.2928919	0.235	0.311	4.84E-06	0
Arf6	4.31E-10	-0.2698239	0.186	0.26	7.09E-06	0
Fam49b	5.51E-10	-0.2658236	0.238	0.315	9.07E-06	0
Nap1l1	9.93E-10	-0.2823267	0.203	0.275	1.63E-05	0
Ndufb11	3.77E-09	-0.2600454	0.282	0.352	6.20E-05	0
Tom20	4.01E-09	-0.2531428	0.195	0.268	6.59E-05	0
Itgb2	6.11E-09	-0.3151458	0.214	0.281	0.00010048	0
Tax1bp1	6.21E-09	-0.2738183	0.22	0.288	0.00010215	0
Atp5o.1	1.22E-08	-0.263972	0.193	0.258	0.00020113	0
Psm3	2.46E-08	-0.2572012	0.194	0.258	0.00040383	0
Ptpn6	4.78E-08	-0.253926	0.207	0.271	0.00078639	0
Crip1	1.48E-07	-0.2762579	0.718	0.721	0.00242811	0
Prr13	1.70E-07	-0.279168	0.219	0.279	0.00278817	0
Gstm1	2.39E-06	-0.3019864	0.631	0.649	0.03925081	0
Ighm	7.27E-06	-1.0651042	0.409	0.416	0.11951207	0
Rel	1.62E-05	-0.2937213	0.245	0.289	0.266495	0
Foxp1	0.00025551	-0.2599801	0.238	0.273	1	0
Cd79a.1	0	2.21949996	0.952	0.145	0	1
Ebf1	0	2.01793429	0.649	0.069	0	1
Ccr7	0	1.73139648	0.629	0.101	0	1
Ly6d.1	0	1.67479096	0.789	0.235	0	1
Cd79b	0	1.67096301	0.648	0.129	0	1
Fcmmr	0	1.64717774	0.494	0.066	0	1
H2-DMb1.7	2.19E-107	1.03868388	0.884	0.307	3.61E-103	9
Ighd	0	1.59920312	0.362	0.027	0	1
Ms4a1	0	1.50122937	0.504	0.082	0	1
Fcgr2a	0	1.4513721	0.287	0.014	0	1
Tyrbp.1	6.68E-268	-2.4889703	0.072	0.689	1.10E-263	1
Fcgr1g.1	3.08E-262	-2.5884342	0.035	0.659	5.07E-258	1
Bank1	1.40E-243	1.42474186	0.494	0.112	2.30E-239	1
Cst3.1	3.51E-240	-2.4754906	0.269	0.748	5.77E-236	1
H2-Eb1.11	4.09E-24	1.02603288	1	0.706	6.72E-20	17
Igkc	1.16E-212	0.5813834	0.5	0.124	1.91E-208	1
Lyz2.1	5.86E-209	-3.0905204	0.102	0.623	9.64E-205	1
Scd1	1.28E-208	1.28482793	0.285	0.034	2.10E-204	1
Rps27.1	9.86E-206	0.6883557	0.972	0.891	1.62E-201	1
Ahnk.1	1.93E-205	-1.8373706	0.068	0.619	3.18E-201	1
Ifitm3.1	1.63E-201	-2.4428477	0.025	0.562	2.68E-197	1
Cd37.1	6.18E-199	1.23760917	0.654	0.281	1.02E-194	1
Dusp1.1	4.06E-187	-1.7180288	0.167	0.672	6.68E-183	1
Rps20.1	1.19E-180	0.5127166	0.993	0.969	1.95E-176	1
Igk3	2.02E-175	1.20249606	0.371	0.078	3.33E-171	1

Psap	2.61E-173	-1.4536881	0.305	0.732	4.30E-169	1
Gpx1.1	5.97E-173	-1.3964462	0.381	0.762	9.81E-169	1
Tmsb4x	1.87E-167	-0.6204146	0.986	0.994	3.07E-163	1
Tmem176b.1	1.30E-166	-1.9109455	0.024	0.502	2.14E-162	1
Crip1.1	6.59E-165	-1.4581373	0.398	0.769	1.08E-160	1
Iglc2	1.33E-160	1.09560795	0.388	0.091	2.18E-156	1
Ccl6.1	2.57E-158	-2.2653315	0.014	0.473	4.23E-154	1
Nfkbiz.1	3.99E-158	-1.9635629	0.04	0.501	6.57E-154	1
Rps24.1	8.76E-158	0.43883041	0.998	0.986	1.44E-153	1
Cd19	2.54E-154	1.14751404	0.265	0.043	4.17E-150	1
Uba52.1	9.74E-154	0.45688809	0.998	0.971	1.60E-149	1
Ctsb.1	5.69E-152	-1.9537732	0.087	0.535	9.35E-148	1
Stk17b.1	4.04E-150	1.05258335	0.689	0.399	6.65E-146	1
Alox5ap.1	1.69E-147	-1.7619867	0.016	0.455	2.78E-143	1
Rpl8.1	1.53E-146	0.50710221	0.972	0.908	2.51E-142	1
Ftl1.1	4.54E-145	-1.2347232	0.752	0.912	7.47E-141	1
Egr1.1	4.79E-143	-2.028947	0.083	0.515	7.87E-139	1
Rpl18a.1	1.72E-142	0.48276546	0.991	0.958	2.82E-138	1
H3f3a.1	2.11E-140	0.76724418	0.859	0.72	3.47E-136	1
Mt1.1	2.27E-138	-2.3124068	0.052	0.471	3.73E-134	1
Lgals1.1	1.47E-137	-1.6508403	0.034	0.459	2.41E-133	1
Ifitm2.1	1.53E-137	-1.7600065	0.025	0.446	2.52E-133	1
Fos.1	3.33E-137	-1.6017468	0.282	0.672	5.48E-133	1
Hvcn1	7.28E-137	1.19480372	0.295	0.064	1.20E-132	1
Fosb.1	6.00E-133	-1.4649848	0.133	0.558	9.86E-129	1
Rps19.1	9.74E-133	0.49969109	0.978	0.926	1.60E-128	1
Selenop.1	1.22E-132	-2.5159758	0.064	0.469	2.01E-128	1
Tagln2	1.92E-132	-1.2595075	0.114	0.547	3.17E-128	1
Vim	7.02E-129	-1.217907	0.284	0.673	1.15E-124	1
Cd55	8.21E-127	1.21043123	0.288	0.066	1.35E-122	1
Itm2b.1	5.93E-126	-1.0843306	0.505	0.83	9.75E-122	1
Npc2.1	1.24E-124	-1.1240952	0.14	0.569	2.05E-120	1
Fau.1	9.05E-124	0.36953993	0.998	0.991	1.49E-119	1
Marcksl1.1	4.13E-123	-1.7013504	0.09	0.487	6.80E-119	1
Rps15a.1	4.06E-122	0.4394172	0.979	0.946	6.69E-118	1
Grn.1	4.79E-121	-1.5866122	0.039	0.427	7.87E-117	1
Csf1r.1	1.14E-119	-1.9088212	0.008	0.382	1.88E-115	1
C1qb.1	1.50E-116	-2.721902	0.036	0.4	2.47E-112	1
Atf3.1	4.38E-116	-1.5049437	0.171	0.558	7.21E-112	1
Tmem176a.1	1.86E-115	-1.553698	0.013	0.382	3.07E-111	1
Zfp36.1	4.30E-115	-1.2546825	0.313	0.657	7.08E-111	1
Gstm1.1	5.52E-113	0.76673909	0.824	0.619	9.08E-109	1
C1qc.1	1.40E-112	-2.7187136	0.025	0.381	2.30E-108	1

Apoe.1	2.62E-112	-2.7994003	0.183	0.514	4.30E-108	1
Rpl9-ps6.1	1.19E-111	0.45894631	0.969	0.896	1.96E-107	1
Rpl13.1	1.68E-111	0.380288	0.996	0.979	2.76E-107	1
Ralgps2	6.79E-111	1.07498525	0.295	0.078	1.12E-106	1
Fxyd5.1	3.75E-110	-1.1512344	0.122	0.517	6.17E-106	1
C1qa.1	6.52E-108	-2.5511886	0.03	0.375	1.07E-103	1
Ly6e	3.61E-107	0.5497307	0.922	0.724	5.93E-103	1
H2afz.1	4.46E-106	-1.0580254	0.259	0.638	7.34E-102	1
Rpl19.1	2.19E-105	0.39535556	0.987	0.95	3.60E-101	1
Nfkbia.1	3.06E-105	-1.2179511	0.2	0.569	5.03E-101	1
Klf4.1	2.52E-104	-1.6790286	0.065	0.422	4.14E-100	1
Btg1.1	4.88E-104	0.78860953	0.745	0.547	8.03E-100	1
Actg1.1	4.95E-104	-0.6609477	0.762	0.923	8.14E-100	1
Ier3.1	5.99E-104	-1.8011442	0.027	0.371	9.85E-100	1
Jun.1	8.87E-103	-1.7324126	0.153	0.509	1.46E-98	1
H2-Ab1.1	2.21E-251	1.02496531	0.991	0.679	3.64E-247	2
Mrc1.1	2.47E-102	-1.7867292	0.014	0.35	4.06E-98	1
Cfp.1	4.44E-101	-1.4464748	0.02	0.356	7.30E-97	1
Pf4.1	3.71E-100	-2.5555736	0.022	0.349	6.10E-96	1
Marcks.1	1.45E-99	-1.2830458	0.034	0.377	2.39E-95	1
Cd74.1	2.00E-97	0.38569913	1	0.801	3.29E-93	1
Rpl13a.1	7.01E-96	0.52888124	0.885	0.802	1.15E-91	1
Pltp.1	8.18E-96	-1.5965107	0.049	0.38	1.35E-91	1
Ccl2.1	2.48E-94	-2.2889798	0.01	0.322	4.08E-90	1
F13a1.1	5.62E-94	-1.8189862	0.009	0.32	9.24E-90	1
Cd68.1	5.77E-90	-1.2999936	0.009	0.312	9.50E-86	1
Atox1	8.15E-88	-0.9447038	0.148	0.503	1.34E-83	1
Rps3a1.1	1.83E-86	0.34522009	0.983	0.961	3.01E-82	1
Rpsa.1	2.02E-86	0.36272834	0.984	0.928	3.33E-82	1
Anxa5.1	2.87E-86	-1.0416421	0.06	0.385	4.72E-82	1
Rps16.1	1.18E-85	0.32357035	0.988	0.972	1.95E-81	1
Rgs10.1	2.32E-85	-1.1632544	0.017	0.315	3.82E-81	1
Cd14.1	6.79E-84	-1.5607402	0.011	0.298	1.12E-79	1
Mafb.1	1.17E-83	-1.7979468	0.014	0.302	1.92E-79	1
Wfdc17.1	1.50E-83	-1.4146961	0.063	0.37	2.46E-79	1
Ets1	4.74E-83	0.92798015	0.379	0.155	7.79E-79	1
Mcl1.1	8.79E-83	-0.9647285	0.134	0.472	1.45E-78	1
Ctsc.1	2.49E-82	-1.141243	0.133	0.458	4.10E-78	1
Mgl2.1	2.13E-81	-1.4746951	0.005	0.282	3.51E-77	1
Cxcl2.1	3.35E-81	-2.4600385	0.01	0.287	5.50E-77	1
Clec10a.1	3.63E-81	-1.5145997	0.005	0.282	5.97E-77	1
Zeb2.1	5.86E-81	-1.1386079	0.038	0.335	9.65E-77	1
Fyb.1	1.28E-80	-1.221729	0.009	0.286	2.11E-76	1

Ptp4a3	1.38E-80	1.01401254	0.301	0.107	2.28E-76	1
Anxa2.1	1.43E-80	-1.1875744	0.025	0.313	2.36E-76	1
Mef2c.1	4.80E-80	0.98937979	0.43	0.213	7.89E-76	1
Klf6.1	6.00E-79	-0.9830533	0.239	0.574	9.87E-75	1
Ablim1	6.48E-79	0.9134014	0.298	0.102	1.07E-74	1
lfi27l2a.1	1.15E-78	-1.3076402	0.135	0.443	1.89E-74	1
Pim1	8.64E-78	-0.8462596	0.157	0.494	1.42E-73	1
Tgfb1.1	9.91E-78	-1.2948639	0.004	0.271	1.63E-73	1
App.1	1.41E-77	-1.0843299	0.026	0.311	2.31E-73	1
Fcgrt.1	5.05E-77	-1.3345143	0.019	0.293	8.31E-73	1
Ccl9.1	2.30E-75	-1.2480516	0.006	0.268	3.78E-71	1
Rps7.1	7.98E-75	0.3473192	0.981	0.935	1.31E-70	1
Ptms	5.24E-74	-0.9962804	0.042	0.325	8.61E-70	1
Lgals3	6.12E-74	-1.1033866	0.091	0.389	1.01E-69	1
Tnfaip3	7.17E-74	-0.9710031	0.07	0.368	1.18E-69	1
Il1b	1.77E-73	-1.9413319	0.017	0.279	2.91E-69	1
Ctsd.1	1.98E-73	-1.1520505	0.047	0.327	3.26E-69	1
Efhd2	2.35E-73	-0.9538066	0.048	0.333	3.87E-69	1
Serp1.1	7.56E-73	0.83080874	0.542	0.351	1.24E-68	1
Fcgr3.1	1.34E-72	-1.2032742	0.006	0.26	2.20E-68	1
Ckb	1.89E-72	-1.1493574	0.012	0.269	3.11E-68	1
Dab2.1	2.60E-72	-1.4171812	0.005	0.256	4.27E-68	1
Rps5.1	3.65E-72	0.3268654	0.99	0.958	6.00E-68	1
Ms4a6c.1	1.62E-71	-1.1439742	0.01	0.262	2.66E-67	1
mt-Atp8	1.89E-71	0.36860266	0.964	0.924	3.11E-67	1
Maf.1	4.92E-71	-1.3598388	0.012	0.264	8.09E-67	1
Folr2.1	5.32E-71	-1.7021078	0.011	0.261	8.75E-67	1
Hspa8	2.35E-70	-0.5807678	0.461	0.765	3.87E-66	1
Rpl6.1	3.24E-69	0.37755844	0.923	0.893	5.33E-65	1
Shisa5.1	4.04E-69	0.70218686	0.614	0.427	6.64E-65	1
Rps8.1	4.11E-69	0.29583875	0.991	0.982	6.75E-65	1
Eef1a1.1	1.77E-68	0.26871958	0.991	0.979	2.92E-64	1
Ccl7.1	4.07E-68	-2.5570786	0.016	0.26	6.70E-64	1
Myl6	7.70E-68	-0.6333654	0.372	0.696	1.27E-63	1
Zfp36l2	2.75E-67	-0.8206745	0.118	0.419	4.52E-63	1
Lamp1.1	1.13E-66	-0.8440333	0.152	0.454	1.85E-62	1
Gnai2.1	6.79E-66	-0.6429235	0.239	0.572	1.12E-61	1
Emp3	3.27E-65	-0.7429982	0.165	0.475	5.38E-61	1
Rassf4.1	6.89E-65	-0.9289473	0.03	0.279	1.13E-60	1
Hexa.1	7.56E-65	-0.9484664	0.061	0.327	1.24E-60	1
Selplg.1	4.03E-64	-0.8690337	0.072	0.341	6.63E-60	1
Itgb1	4.33E-64	-0.9157242	0.029	0.277	7.13E-60	1
Zyx.1	4.75E-64	-0.8672288	0.04	0.297	7.82E-60	1

Rps3.1	2.22E-63	0.33098127	0.95	0.907	3.65E-59	1
Malat1	2.57E-62	0.354252	0.975	0.93	4.23E-58	1
Gimap6	1.07E-61	0.81431401	0.361	0.166	1.77E-57	1
Cytip.1	2.61E-61	0.79061832	0.493	0.302	4.29E-57	1
Socs3.1	3.30E-61	-0.9624395	0.06	0.312	5.43E-57	1
Rpl12.1	5.14E-61	0.42382348	0.846	0.749	8.46E-57	1
Junb.1	1.75E-60	-0.5273991	0.684	0.867	2.87E-56	1
Ifngr1	3.12E-60	-0.8047556	0.135	0.42	5.14E-56	1
Ninj1.1	4.65E-60	-1.1221031	0.038	0.273	7.65E-56	1
Trib1.1	1.38E-59	-0.9300848	0.026	0.257	2.26E-55	1
Cbr2.1	2.72E-59	-1.3685881	0.042	0.273	4.47E-55	1
Pld4.1	2.57E-58	-0.767547	0.095	0.36	4.23E-54	1
Ptprcap.1	6.30E-58	0.65338512	0.452	0.237	1.04E-53	1
Rpl26.1	2.05E-57	0.35525083	0.921	0.895	3.37E-53	1
H2-Q7.5	1.59E-64	1.01933349	0.581	0.238	2.62E-60	7
Cdkn1a	3.82E-56	-1.0072054	0.035	0.261	6.28E-52	1
Cebpb.1	1.57E-55	-0.9689727	0.112	0.362	2.58E-51	1
Rps10.1	2.24E-55	0.2783644	0.98	0.953	3.69E-51	1
Plbd1	4.65E-55	-0.9704917	0.044	0.27	7.65E-51	1
Jund.1	5.79E-55	-0.653871	0.449	0.718	9.52E-51	1
Ltb.1	9.07E-55	0.68224908	0.374	0.181	1.49E-50	1
Btg2.1	1.28E-54	-0.5611992	0.433	0.707	2.10E-50	1
S100a10.1	2.73E-54	-0.719246	0.218	0.496	4.49E-50	1
Rpl27a.1	3.16E-54	0.3421694	0.926	0.883	5.19E-50	1
Rpl34.1	2.34E-52	0.28680791	0.96	0.944	3.84E-48	1
Aplp2.1	2.46E-52	-0.8084261	0.043	0.264	4.04E-48	1
Atp2b1.1	3.29E-52	-0.6687502	0.121	0.381	5.41E-48	1
Rrbp1.1	4.84E-52	-0.6529051	0.122	0.383	7.97E-48	1
Ehd4.1	1.73E-51	-0.7954427	0.067	0.297	2.84E-47	1
Sem1	1.74E-51	-0.5460659	0.287	0.589	2.86E-47	1
Tspo	2.94E-50	-0.588844	0.18	0.46	4.83E-46	1
Itgb2.1	4.60E-49	-0.7123142	0.07	0.297	7.57E-45	1
Pde4b.1	6.14E-49	0.69642528	0.542	0.399	1.01E-44	1
Gadd45b.1	7.92E-49	-0.8348005	0.062	0.279	1.30E-44	1
Akr1a1.1	8.51E-49	-0.5981627	0.129	0.386	1.40E-44	1
Neat1.1	1.13E-48	-0.8423648	0.121	0.358	1.86E-44	1
Rps26.1	2.55E-48	0.29173808	0.954	0.932	4.20E-44	1
Swap70	2.56E-48	0.82063577	0.269	0.12	4.22E-44	1
Rps4x.1	3.01E-48	0.26481611	0.981	0.96	4.95E-44	1
Serf2	3.62E-48	-0.4355017	0.541	0.795	5.96E-44	1
Clta.1	5.63E-47	-0.5289912	0.303	0.586	9.27E-43	1
Coro1a.1	5.75E-47	0.46469494	0.741	0.621	9.46E-43	1
Il2rg.1	6.86E-47	0.69441888	0.431	0.262	1.13E-42	1

Rpl7.1	8.92E-47	0.36638171	0.863	0.838	1.47E-42	1
Rpl35.1	2.80E-46	0.30180067	0.936	0.923	4.60E-42	1
Lgmn.1	3.30E-46	-0.8774774	0.09	0.308	5.44E-42	1
Vamp8.1	8.67E-46	-0.564983	0.127	0.374	1.43E-41	1
Tln1	3.99E-45	-0.520324	0.193	0.463	6.56E-41	1
Pold4	9.30E-45	0.81445292	0.297	0.148	1.53E-40	1
Sat1.1	1.10E-43	-0.6716834	0.136	0.37	1.82E-39	1
Atp6v0c.1	1.11E-43	-0.5986973	0.204	0.457	1.83E-39	1
Gltp.1	5.73E-43	-0.5733391	0.074	0.286	9.43E-39	1
Rpl3.1	1.36E-42	0.32082501	0.879	0.831	2.24E-38	1
Tsc22d3	1.70E-42	0.74451778	0.334	0.182	2.79E-38	1
Gng5.1	1.73E-42	-0.4249121	0.342	0.635	2.84E-38	1
S100a13	1.90E-42	-0.6327241	0.059	0.258	3.12E-38	1
Fth1.1	1.35E-41	-0.5265467	0.944	0.96	2.21E-37	1
Man2b1.1	7.97E-41	-0.5637507	0.108	0.328	1.31E-36	1
Arpc1b	2.08E-40	-0.4363286	0.393	0.658	3.42E-36	1
Rac1	9.39E-40	-0.4373498	0.207	0.468	1.54E-35	1
Rps13.1	1.20E-39	0.32847455	0.863	0.826	1.98E-35	1
Smdt1	2.10E-39	-0.5062217	0.152	0.383	3.45E-35	1
Arf5	2.66E-39	-0.4687575	0.193	0.445	4.37E-35	1
Kdm6b.1	7.36E-39	-0.5473812	0.121	0.341	1.21E-34	1
Rpl11.1	1.18E-38	0.26648076	0.952	0.922	1.95E-34	1
Snx3.1	1.80E-38	-0.4892002	0.148	0.381	2.96E-34	1
Atpif1.1	2.23E-38	-0.5090666	0.123	0.344	3.67E-34	1
Cd52.1	2.70E-38	0.35260661	0.845	0.717	4.44E-34	1
Kctd12.1	8.04E-38	-0.6132255	0.175	0.4	1.32E-33	1
Cyth4.1	2.82E-37	-0.5521782	0.068	0.257	4.64E-33	1
Vps37b.1	3.38E-37	0.62988822	0.382	0.223	5.55E-33	1
Zfand5.1	4.79E-37	-0.6195798	0.092	0.288	7.88E-33	1
Gm2a.1	6.28E-37	-0.6483975	0.113	0.313	1.03E-32	1
Rps18.1	9.03E-37	0.28049698	0.889	0.867	1.49E-32	1
Txnip	1.38E-36	0.67893456	0.37	0.222	2.28E-32	1
Dbi	2.95E-36	-0.479188	0.112	0.319	4.85E-32	1
Ctsa.1	1.11E-35	-0.5267486	0.109	0.311	1.83E-31	1
Cstb.1	1.28E-35	-0.5579901	0.09	0.283	2.11E-31	1
AW112010.1	1.48E-35	-1.0847516	0.103	0.285	2.43E-31	1
Sec61b.1	1.59E-35	-0.43343	0.262	0.516	2.61E-31	1
Rpl36.1	3.30E-35	0.26422674	0.9	0.9	5.44E-31	1
Napsa.1	4.77E-35	0.61934877	0.39	0.245	7.84E-31	1
mt-Nd4l	5.37E-35	0.2825418	0.917	0.899	8.83E-31	1
Pomp	1.26E-34	-0.4114304	0.136	0.351	2.06E-30	1
Fcgr2b.1	2.67E-34	-0.5799225	0.112	0.304	4.40E-30	1
Uqcr11	3.45E-34	-0.4127093	0.113	0.316	5.68E-30	1

Spi1.1	1.89E-33	-0.4783474	0.128	0.332	3.10E-29	1
Rps27l	4.25E-33	-0.4479012	0.13	0.334	6.98E-29	1
Hmgn1	4.48E-33	0.74810084	0.338	0.213	7.38E-29	1
Retnla	6.57E-33	-2.9439881	0.104	0.263	1.08E-28	1
Atp1a1	6.93E-33	-0.4977655	0.074	0.251	1.14E-28	1
Eef2.1	1.01E-32	0.35846488	0.768	0.726	1.66E-28	1
Clic4.1	1.91E-32	-0.5259333	0.093	0.276	3.15E-28	1
Limd2.1	3.01E-32	0.58422821	0.461	0.34	4.96E-28	1
lfrd1.1	8.94E-32	-0.4868651	0.086	0.263	1.47E-27	1
Pitpna	9.35E-32	-0.4600667	0.083	0.262	1.54E-27	1
Rps21.1	1.62E-31	0.26059443	0.891	0.881	2.66E-27	1
Ccnl1.1	2.89E-31	-0.4554505	0.135	0.332	4.76E-27	1
Cox7c	4.64E-31	-0.364952	0.236	0.476	7.64E-27	1
Sp140	4.72E-31	0.72556935	0.274	0.154	7.77E-27	1
Rtn4.1	4.86E-31	-0.4192425	0.093	0.275	8.00E-27	1
Cd83.1	1.07E-30	0.45510703	0.576	0.455	1.76E-26	1
Txn1	1.23E-30	-0.4788371	0.097	0.274	2.02E-26	1
Fkbp1a.1	1.33E-30	-0.4461992	0.097	0.276	2.18E-26	1
Rpl29.1	8.59E-30	0.26296533	0.878	0.854	1.41E-25	1
Arhgdib.1	1.96E-29	0.42819579	0.638	0.589	3.23E-25	1
mt-Nd5	4.12E-29	0.38663502	0.69	0.655	6.77E-25	1
Tomm7	4.90E-29	-0.3584121	0.153	0.35	8.05E-25	1
Rbms1.1	1.30E-28	-0.4133537	0.104	0.28	2.14E-24	1
Rpl10a.1	1.44E-28	0.25640736	0.883	0.861	2.37E-24	1
Rel.1	4.85E-28	0.68137143	0.377	0.266	7.97E-24	1
Nrros.1	5.39E-28	-0.4391177	0.127	0.308	8.86E-24	1
Nfkbid.1	6.18E-28	-0.477551	0.098	0.266	1.02E-23	1
Arpc2	1.65E-27	-0.3151844	0.466	0.697	2.72E-23	1
Cybb.1	1.86E-27	-0.4953322	0.169	0.353	3.06E-23	1
Plek.1	3.16E-27	-0.4202678	0.179	0.372	5.20E-23	1
Foxp1.1	3.18E-27	0.69548565	0.359	0.252	5.23E-23	1
Fam107b	4.99E-27	0.69483859	0.278	0.166	8.20E-23	1
Glud1	5.54E-27	-0.3554537	0.115	0.292	9.11E-23	1
Cox6a1	9.83E-27	-0.3266555	0.233	0.457	1.62E-22	1
Atp6v0b.1	1.06E-26	-0.3689594	0.185	0.386	1.74E-22	1
Dnaja1	2.27E-26	-0.4180613	0.111	0.278	3.73E-22	1
Ywhah	5.97E-26	-0.3759905	0.115	0.286	9.82E-22	1
Gnb2	8.23E-26	-0.3204804	0.238	0.456	1.35E-21	1
Uqcrq	8.46E-26	-0.3160636	0.167	0.362	1.39E-21	1
Msn.1	1.48E-25	0.5054808	0.501	0.425	2.44E-21	1
Tpm3	1.65E-25	-0.2930852	0.289	0.525	2.71E-21	1
Rpl14.1	2.46E-25	0.27058905	0.816	0.782	4.04E-21	1
Ucp2.1	3.06E-25	-0.3006124	0.405	0.627	5.03E-21	1

Rps6.1	6.52E-25	0.27893164	0.799	0.767	1.07E-20	1
Prdx1.1	7.45E-25	-0.3328415	0.202	0.406	1.23E-20	1
Ddx3x.1	8.09E-25	-0.4040124	0.123	0.29	1.33E-20	1
Anapc11	8.26E-25	-0.3323379	0.097	0.254	1.36E-20	1
Ostf1	2.42E-24	-0.3304879	0.154	0.338	3.98E-20	1
Cox5a	2.44E-24	-0.3038989	0.205	0.407	4.01E-20	1
Ptma.1	3.04E-24	0.28388054	0.811	0.779	4.99E-20	1
Erp29	4.09E-24	-0.3020997	0.195	0.393	6.72E-20	1
Cltc.1	6.90E-24	-0.3902714	0.175	0.355	1.14E-19	1
H2-Ob.2	1.37E-32	0.99058097	0.538	0.148	2.25E-28	13
H2afy.1	1.42E-23	-0.3792839	0.115	0.273	2.34E-19	1
Hsp90b1	2.17E-23	-0.3549956	0.287	0.504	3.57E-19	1
Eif3f.1	4.14E-23	0.38287095	0.647	0.613	6.81E-19	1
Coro1b.1	4.80E-23	-0.317	0.108	0.265	7.90E-19	1
Rpl4.1	5.84E-23	0.34420964	0.666	0.641	9.61E-19	1
Eif4a1	6.84E-23	-0.2946672	0.164	0.347	1.12E-18	1
Capzb.1	6.84E-23	-0.3062012	0.287	0.502	1.13E-18	1
Abracl.1	7.14E-23	-0.3086074	0.119	0.282	1.17E-18	1
Hint1	9.53E-23	-0.2763871	0.27	0.489	1.57E-18	1
Ptp4a2	1.14E-22	-0.3252005	0.149	0.32	1.88E-18	1
2010107E04Ri	1.52E-22	-0.3178973	0.152	0.325	2.51E-18	1
Ly6a	1.80E-22	0.52560497	0.273	0.16	2.96E-18	1
Ppdpf	2.17E-22	0.64632306	0.271	0.172	3.56E-18	1
Pdia3	3.66E-22	-0.2924589	0.203	0.395	6.01E-18	1
Tmem50a	3.92E-22	-0.2934704	0.187	0.37	6.46E-18	1
Calm1	3.95E-22	-0.2936338	0.547	0.743	6.49E-18	1
Rpl36a.1	3.96E-22	0.25133154	0.786	0.757	6.51E-18	1
Cox6c	7.90E-22	-0.2783419	0.268	0.475	1.30E-17	1
Canx.1	9.09E-22	-0.2665743	0.141	0.309	1.50E-17	1
Gsta4	1.72E-21	0.59156421	0.315	0.212	2.82E-17	1
Mat2a.1	2.21E-21	-0.368599	0.114	0.262	3.64E-17	1
Ssr4	2.23E-21	-0.2729972	0.205	0.395	3.67E-17	1
Ezr.1	3.87E-21	0.63823226	0.319	0.224	6.36E-17	1
Pou2f2	4.25E-21	0.60735073	0.282	0.183	6.99E-17	1
Ier2.1	7.43E-21	-0.4367228	0.384	0.582	1.22E-16	1
Capns1	1.09E-20	-0.2971963	0.115	0.262	1.79E-16	1
Smim14	1.29E-20	0.63569642	0.264	0.17	2.12E-16	1
Calm2.1	1.29E-20	-0.2924847	0.222	0.412	2.13E-16	1
Ctsz.1	1.43E-20	-0.2963269	0.198	0.376	2.36E-16	1
Rap1a	2.19E-20	-0.2586601	0.135	0.296	3.60E-16	1
Serinc3.1	2.32E-20	-0.4081317	0.213	0.379	3.81E-16	1
Arhgap45.1	4.33E-20	0.56642406	0.39	0.304	7.13E-16	1
Capza2	4.34E-20	-0.2789628	0.127	0.278	7.13E-16	1

Psmc2.1	4.45E-20	-0.2753381	0.183	0.358	7.32E-16	1
Prdx5	4.86E-20	-0.3305769	0.186	0.358	7.99E-16	1
P4hb	7.15E-20	-0.2505407	0.11	0.256	1.18E-15	1
Sp100	5.66E-19	0.60734696	0.296	0.207	9.32E-15	1
Sdcbp.1	7.11E-19	-0.2854565	0.144	0.295	1.17E-14	1
Rnaset2a.1	1.37E-18	-0.2717768	0.146	0.299	2.26E-14	1
Ptpn18	1.54E-18	-0.2678083	0.435	0.641	2.54E-14	1
Myl12b.1	3.49E-18	0.40774813	0.539	0.503	5.75E-14	1
Ppp1r15a.1	5.60E-18	-0.2973775	0.215	0.378	9.20E-14	1
Adgre5.1	1.44E-17	-0.3110491	0.125	0.259	2.38E-13	1
Ptpn6.1	1.03E-16	0.5437377	0.327	0.248	1.70E-12	1
S100a11.1	1.32E-16	-0.2997835	0.257	0.42	2.17E-12	1
Bri3.1	1.88E-16	-0.2649949	0.229	0.393	3.10E-12	1
Ier5.1	2.98E-16	-0.2767568	0.231	0.392	4.90E-12	1
Cd81.1	4.93E-16	-0.3208696	0.167	0.304	8.11E-12	1
Arhgef1	5.95E-16	0.55670659	0.284	0.204	9.79E-12	1
Rbm39.1	8.61E-16	0.37987911	0.545	0.529	1.42E-11	1
Ubc.1	6.83E-15	-0.2585395	0.379	0.565	1.12E-10	1
Dennd4a.1	1.08E-14	0.53917862	0.307	0.234	1.78E-10	1
Cnbp.1	5.78E-14	0.4470817	0.457	0.425	9.50E-10	1
Lsp1.1	4.51E-13	-0.3305902	0.283	0.413	7.42E-09	1
Apobec3	6.26E-13	0.50224472	0.254	0.184	1.03E-08	1
S100a6.1	6.79E-13	-0.3257992	0.665	0.765	1.12E-08	1
Zfp36l1.1	1.08E-12	0.28768198	0.568	0.522	1.78E-08	1
Rac2.1	3.49E-12	0.31024306	0.52	0.475	5.73E-08	1
Kmt2e.1	1.76E-10	0.47052832	0.317	0.263	2.90E-06	1
Macf1.1	2.12E-10	0.48232262	0.294	0.237	3.48E-06	1
Rpl21.1	2.13E-10	0.26900216	0.655	0.681	3.50E-06	1
Syk	2.36E-09	0.49037775	0.256	0.205	3.89E-05	1
Polr2a	1.27E-08	0.4645302	0.258	0.209	0.00020972	1
Irf8	2.93E-08	0.27757357	0.286	0.223	0.000482	1
Lyn	5.85E-08	0.45306805	0.278	0.236	0.00096297	1
Snx5.1	1.14E-05	0.35833719	0.335	0.314	0.18833883	1
Ncl	0.00012349	0.33043232	0.372	0.375	1	1
Tax1bp1.1	0.00127888	0.37660427	0.28	0.274	1	1
Ypel3	0.00335012	0.30411596	0.304	0.306	1	1
Eef1g.1	0.00489109	0.28665492	0.359	0.378	1	1
Gdi2	0.00824062	0.27871291	0.357	0.378	1	1
Cd209a	0	1.91455752	0.759	0.092	0	2
Tnip3	0	1.6379445	0.634	0.073	0	2
Tnfsf9	6.68E-303	1.35077595	0.422	0.042	1.10E-298	2
Cd209c	7.67E-260	1.02113267	0.281	0.017	1.26E-255	2
H2-Q7.10	2.66E-19	0.9796681	0.608	0.25	4.38E-15	15

Plbd1.1	6.77E-237	1.12069278	0.719	0.19	1.11E-232	2
Gm2a.2	1.98E-231	1.15598832	0.767	0.236	3.26E-227	2
Il1b.1	4.17E-222	1.23564449	0.707	0.196	6.85E-218	2
Olfm1	5.13E-222	1.14896212	0.442	0.071	8.44E-218	2
Lsp1.2	2.09E-210	1.06267041	0.865	0.347	3.44E-206	2
H2-Ab1.12	5.04E-22	0.97491939	1	0.707	8.29E-18	17
Cd74.2	3.94E-203	0.82036814	0.995	0.809	6.49E-199	2
H2-Aa.13	8.93E-16	0.96463422	1	0.742	1.47E-11	18
Crip1.2	1.81E-194	0.88606625	0.985	0.692	2.98E-190	2
Tmsb4x.1	2.34E-173	0.53280747	1	0.992	3.84E-169	2
Ly6e.1	6.97E-172	-1.4812618	0.349	0.793	1.15E-167	2
Cbfa2t3	4.82E-171	1.00868156	0.495	0.116	7.94E-167	2
Ckb.1	5.34E-159	0.90565624	0.633	0.193	8.79E-155	2
Ccnd1	3.80E-157	0.98986365	0.44	0.099	6.25E-153	2
H2-DMb2.8	4.13E-30	0.95437913	0.664	0.236	6.79E-26	13
Etv3	5.15E-147	1.0095595	0.515	0.144	8.47E-143	2
H2afy.2	5.04E-145	0.89802504	0.63	0.213	8.29E-141	2
Bhlhe40	1.06E-135	0.8571684	0.519	0.148	1.74E-131	2
H2-Aa.12	6.02E-23	0.93512556	1	0.741	9.90E-19	17
Bcl2a1d	4.09E-131	0.87917149	0.467	0.127	6.73E-127	2
Slamf9	1.05E-130	0.84466162	0.378	0.084	1.72E-126	2
Avpi1	3.11E-129	0.93780098	0.344	0.071	5.12E-125	2
Cst3.2	2.98E-126	0.59269228	0.993	0.653	4.90E-122	2
Syng2.1	1.61E-125	0.86571592	0.595	0.211	2.65E-121	2
Apoe.2	2.44E-125	-3.6989216	0.052	0.515	4.01E-121	2
Napsa.2	3.19E-125	0.82067894	0.631	0.225	5.24E-121	2
Nfkbia.2	3.63E-123	0.83611483	0.849	0.485	5.98E-119	2
Actg1.2	2.27E-122	0.54210894	0.993	0.892	3.74E-118	2
Clec4b1	3.99E-121	0.79617343	0.333	0.07	6.57E-117	2
Atox1.1	6.67E-114	0.75496215	0.81	0.419	1.10E-109	2
Lgals3.1	9.36E-114	0.65738138	0.739	0.309	1.54E-109	2
Gng10	2.24E-106	0.83653494	0.519	0.181	3.69E-102	2
Lmo1	4.54E-106	0.69752864	0.26	0.048	7.47E-102	2
Alcam	3.33E-102	0.7229639	0.26	0.051	5.48E-98	2
H3f3b.1	1.41E-101	-0.7656539	0.82	0.91	2.32E-97	2
Slamf7	3.04E-100	0.76100605	0.371	0.102	5.00E-96	2
Ifitm3.2	3.26E-97	0.53245755	0.895	0.448	5.36E-93	2
Mgl2.2	1.15E-96	0.90988462	0.545	0.214	1.90E-92	2
Fxyd5.2	2.04E-95	0.63269985	0.812	0.428	3.36E-91	2
Traf1	3.73E-95	0.68763897	0.401	0.118	6.14E-91	2
Alox5ap.2	1.63E-94	0.60877015	0.781	0.357	2.68E-90	2
Vim.1	1.15E-91	0.68229282	0.897	0.593	1.90E-87	2
Ltb4r1	2.59E-91	0.60307195	0.275	0.06	4.27E-87	2

Zyx.2	4.74E-91	0.71365433	0.572	0.23	7.79E-87	2
Psap.1	4.50E-90	0.56484403	0.948	0.647	7.40E-86	2
S100a4	1.17E-89	0.63395003	0.46	0.152	1.93E-85	2
Ccr2	6.46E-88	0.66184372	0.488	0.171	1.06E-83	2
Ptms.1	3.98E-86	0.71235459	0.593	0.256	6.55E-82	2
Gpx1.2	7.40E-86	0.43576375	0.972	0.684	1.22E-81	2
Ear2	2.49E-85	0.72881697	0.285	0.068	4.09E-81	2
Gsn	9.04E-85	0.66845063	0.389	0.123	1.49E-80	2
Ccdc88a	1.02E-81	0.6705982	0.308	0.084	1.68E-77	2
C1qc.2	2.38E-81	-2.7548077	0.019	0.367	3.91E-77	2
Pim1.1	1.54E-80	0.60637928	0.768	0.416	2.53E-76	2
Rplp0.1	7.07E-80	0.38040623	0.981	0.895	1.16E-75	2
S100a6.2	1.79E-79	0.42129351	0.96	0.73	2.95E-75	2
Gpr132.1	3.99E-79	0.69894202	0.495	0.196	6.57E-75	2
C1qb.2	4.60E-79	-2.6466636	0.044	0.385	7.57E-75	2
Cdkn1a.1	2.26E-76	0.74430547	0.501	0.203	3.73E-72	2
Itm2b.2	6.65E-76	-1.0513629	0.708	0.796	1.09E-71	2
Rpl28.1	3.70E-75	0.38710296	0.977	0.907	6.09E-71	2
C1qa.2	6.33E-75	-2.562342	0.033	0.361	1.04E-70	2
Rps11.1	9.63E-74	0.33582601	0.985	0.965	1.58E-69	2
mt-Cytb	1.18E-72	-0.4987135	0.907	0.94	1.93E-68	2
Wfdc17.2	6.03E-71	0.42947206	0.651	0.296	9.91E-67	2
Anxa2.2	8.05E-71	0.56067105	0.569	0.244	1.32E-66	2
Csrnp1.1	2.98E-70	0.63334836	0.485	0.196	4.91E-66	2
Pf4.2	7.56E-69	-2.5696351	0.028	0.336	1.24E-64	2
Clic4.2	9.51E-69	0.69575503	0.507	0.225	1.56E-64	2
Icam1.1	1.94E-65	0.72318859	0.402	0.152	3.19E-61	2
Bri3bp	1.04E-64	0.5532775	0.322	0.105	1.71E-60	2
Hfe	9.80E-64	0.61495678	0.288	0.088	1.61E-59	2
F13a1.2	1.59E-62	-1.7769338	0.02	0.307	2.61E-58	2
Nr4a1	3.48E-62	0.51823034	0.785	0.476	5.73E-58	2
Gadd45b.2	5.06E-62	0.49213518	0.517	0.223	8.32E-58	2
Rps4x.2	2.38E-61	0.30436456	0.999	0.959	3.91E-57	2
Selenop.2	1.28E-60	-2.3158466	0.183	0.441	2.11E-56	2
mt-Atp8.1	1.25E-59	-0.454379	0.897	0.933	2.06E-55	2
Actb.1	2.85E-58	0.28391529	0.999	0.993	4.69E-54	2
mt-Co3	3.97E-58	-0.3527814	0.977	0.975	6.53E-54	2
Efh2.1	3.64E-57	0.56084711	0.55	0.269	5.99E-53	2
Ifitm6	3.76E-57	0.53057228	0.316	0.106	6.19E-53	2
Nr4a2	6.51E-57	0.52018464	0.431	0.177	1.07E-52	2
Fgfr1	2.87E-56	0.53232641	0.281	0.09	4.73E-52	2
Pid1.1	1.15E-55	0.52415677	0.333	0.119	1.89E-51	2
Myo1g	2.93E-55	0.55481368	0.355	0.136	4.82E-51	2

Cbr2.2	4.33E-55	-1.6637471	0.009	0.267	7.12E-51	2
H2afz.2	5.08E-54	0.40853151	0.834	0.562	8.36E-50	2
Folr2.2	2.28E-53	-1.7622768	0.003	0.252	3.75E-49	2
Pde4b.2	6.71E-53	0.4818059	0.69	0.389	1.10E-48	2
Cd81.2	7.13E-53	-1.1571034	0.049	0.311	1.17E-48	2
Fau.2	2.61E-52	0.25512371	0.996	0.991	4.29E-48	2
Mafb.2	2.75E-52	-1.6694791	0.033	0.288	4.52E-48	2
Tmsb10.1	3.43E-51	0.32176531	0.995	0.764	5.64E-47	2
Ifitm2.2	1.08E-50	0.37452371	0.692	0.359	1.78E-46	2
Nfkbid.2	2.54E-50	0.44273634	0.483	0.218	4.18E-46	2
mt-Co1	1.61E-48	-0.2780324	0.993	0.988	2.64E-44	2
Pmaip1	1.77E-48	0.53272019	0.252	0.084	2.91E-44	2
Cd79a.2	6.97E-48	-1.9351283	0.036	0.274	1.15E-43	2
Klf2.1	2.58E-47	-0.9914693	0.43	0.612	4.25E-43	2
Rassf4.2	3.26E-47	0.51324726	0.467	0.223	5.36E-43	2
Maf.2	6.70E-47	-1.341127	0.023	0.253	1.10E-42	2
Ramp1	8.73E-47	0.36629461	0.305	0.112	1.44E-42	2
Mt2	3.02E-46	0.69653774	0.281	0.103	4.96E-42	2
Tep1	5.23E-46	0.49187521	0.275	0.099	8.60E-42	2
Srgn.1	4.18E-45	0.39208105	0.866	0.652	6.88E-41	2
Ubb.1	6.47E-45	-0.4398136	0.833	0.879	1.06E-40	2
Rps27a.1	1.21E-44	0.27921568	0.983	0.931	1.99E-40	2
Myadm	1.54E-44	0.47983042	0.269	0.098	2.54E-40	2
Csf1r.2	1.88E-44	-1.4243443	0.131	0.354	3.10E-40	2
Dennd4a.2	5.79E-44	0.49395918	0.455	0.221	9.53E-40	2
Nr4a3	9.94E-44	0.50588465	0.255	0.09	1.63E-39	2
Ms4a6c.2	2.23E-43	0.44422488	0.444	0.206	3.67E-39	2
Ccnd2	4.16E-43	0.49489167	0.403	0.184	6.84E-39	2
Tyropb.2	4.88E-43	0.28364195	0.944	0.572	8.03E-39	2
H2-Ab1.13	7.91E-14	0.92701768	0.971	0.708	1.30E-09	18
Tnfaip3.1	1.43E-42	0.43780616	0.566	0.303	2.35E-38	2
Gm10076.1	1.58E-42	0.27576182	0.981	0.95	2.59E-38	2
S100a10.2	1.48E-41	0.39787168	0.711	0.433	2.43E-37	2
Ahnak.2	3.66E-41	0.44300972	0.792	0.521	6.02E-37	2
Nrros.2	4.84E-41	0.44929511	0.509	0.26	7.96E-37	2
Tkt	9.92E-41	0.44027652	0.412	0.195	1.63E-36	2
mt-Nd4l.1	3.27E-40	-0.387396	0.879	0.904	5.38E-36	2
Ywhah.1	6.56E-40	0.44791187	0.471	0.241	1.08E-35	2
Rps27l.1	1.04E-39	0.48894518	0.523	0.285	1.71E-35	2
Serinc3.2	1.11E-39	-0.9909543	0.16	0.378	1.83E-35	2
Sh3bgrl3	1.15E-39	0.34459964	0.898	0.732	1.89E-35	2
Mpeg1	2.84E-39	0.47881872	0.393	0.183	4.68E-35	2
Ctsd.2	3.58E-39	-1.0622778	0.094	0.311	5.89E-35	2

Sec61b.2	5.90E-39	0.408972	0.721	0.457	9.71E-35	2
Cxcl2.2	8.85E-39	-2.0006869	0.062	0.27	1.46E-34	2
Wdfy4	1.16E-38	0.41717436	0.298	0.121	1.91E-34	2
Gstm1.2	1.22E-38	-0.69415	0.495	0.662	2.01E-34	2
Nfkb1	3.16E-38	0.44935618	0.345	0.152	5.19E-34	2
Clec10a.2	5.34E-38	0.32166296	0.462	0.223	8.78E-34	2
Cebpb.2	1.31E-37	-0.9991008	0.131	0.35	2.16E-33	2
Ninj1.2	1.34E-37	-1.1355231	0.058	0.262	2.20E-33	2
Dusp2	1.37E-37	0.49262566	0.31	0.131	2.26E-33	2
Ppp1r15a.2	6.97E-37	0.45031658	0.574	0.334	1.15E-32	2
Flna.1	8.59E-37	0.40231312	0.513	0.275	1.41E-32	2
Itgb7	1.42E-36	0.36182373	0.37	0.168	2.34E-32	2
Cd52.2	2.40E-36	0.26013635	0.948	0.712	3.94E-32	2
Arpc1b.1	2.83E-36	0.34674434	0.834	0.601	4.65E-32	2
H2-DMb1.1	2.48E-151	0.91741003	0.748	0.284	4.08E-147	2
Ctsb.2	6.23E-36	-1.3420068	0.351	0.489	1.02E-31	2
B2m	2.10E-35	-0.4519547	0.755	0.813	3.46E-31	2
Erp29.1	3.40E-35	0.39971257	0.593	0.343	5.59E-31	2
Ubl3	5.38E-35	0.45040739	0.403	0.202	8.85E-31	2
Cd44	6.47E-35	0.42565593	0.365	0.174	1.06E-30	2
Serf2.1	6.73E-35	0.31020633	0.928	0.744	1.11E-30	2
Rpl39.1	3.40E-34	0.26226862	0.964	0.882	5.59E-30	2
Pitpna.1	4.86E-34	0.40962416	0.427	0.218	7.99E-30	2
Rasgef1b	1.07E-33	0.39075713	0.272	0.112	1.76E-29	2
Kdm6b.2	2.85E-33	0.43723393	0.505	0.292	4.68E-29	2
Myl6.1	3.74E-33	0.32248375	0.847	0.632	6.15E-29	2
Rps28.1	3.90E-33	0.29960166	0.923	0.785	6.42E-29	2
Lgmn.2	3.92E-33	-1.0530832	0.105	0.297	6.46E-29	2
Ctss.1	4.38E-33	0.30100021	0.747	0.475	7.20E-29	2
Ly6d.2	6.88E-33	-1.2505885	0.134	0.326	1.13E-28	2
Txnip.1	7.29E-33	-0.9810012	0.072	0.26	1.20E-28	2
S100a11.2	1.04E-32	0.35490553	0.618	0.375	1.70E-28	2
Nfam1	1.05E-32	0.4080901	0.286	0.125	1.73E-28	2
Cd37.2	1.20E-32	-0.9887256	0.159	0.348	1.97E-28	2
Mt1.2	1.84E-32	0.3370185	0.638	0.392	3.02E-28	2
Rpl35a.1	7.84E-32	0.30681591	0.885	0.693	1.29E-27	2
Ighm.1	1.01E-31	-1.5237666	0.257	0.431	1.67E-27	2
Fosl2	2.26E-31	0.42210379	0.387	0.197	3.72E-27	2
Tmem176a.2	6.82E-31	0.25209156	0.558	0.31	1.12E-26	2
Csf2ra	8.16E-31	0.42616888	0.286	0.13	1.34E-26	2
Smdt1.1	1.57E-30	0.36695613	0.564	0.33	2.59E-26	2
Uqcc2	2.57E-30	0.41788583	0.324	0.155	4.23E-26	2
Cytip.2	2.91E-30	0.27381183	0.549	0.304	4.79E-26	2

Rack1.1	3.28E-30	0.27742098	0.905	0.754	5.40E-26	2
Socs3.2	2.61E-29	0.34887282	0.469	0.259	4.30E-25	2
Ssr4.1	2.89E-29	0.38744829	0.565	0.349	4.75E-25	2
Trib1.2	4.58E-29	0.41234833	0.397	0.209	7.54E-25	2
Ndufa6	8.03E-29	0.40536746	0.605	0.389	1.32E-24	2
Twf2	8.56E-29	0.38541242	0.261	0.115	1.41E-24	2
Irf5	1.09E-28	0.40763247	0.312	0.152	1.79E-24	2
Ptprcap.2	1.77E-28	-0.9622536	0.109	0.282	2.91E-24	2
Ccl9.2	2.72E-28	0.29589439	0.415	0.214	4.47E-24	2
Dock10	2.90E-28	0.35303746	0.363	0.186	4.77E-24	2
Mcl1.2	3.22E-28	0.26963835	0.658	0.403	5.30E-24	2
Rel.2	6.46E-28	0.35080688	0.463	0.261	1.06E-23	2
Arpc2.1	1.78E-27	0.31002783	0.836	0.648	2.93E-23	2
Ikbkb	6.46E-27	0.36900898	0.271	0.124	1.06E-22	2
Prcp	8.40E-27	0.33924152	0.342	0.172	1.38E-22	2
Ctsh.1	4.10E-26	0.29458087	0.59	0.364	6.75E-22	2
Elmsan1	9.54E-26	0.33391532	0.28	0.132	1.57E-21	2
Pip4k2a	1.64E-25	0.38145926	0.275	0.131	2.70E-21	2
Cd9	3.74E-25	0.34153604	0.252	0.116	6.16E-21	2
Eps8.1	8.80E-25	0.29150489	0.284	0.135	1.45E-20	2
Snx20	1.73E-24	0.33169152	0.302	0.152	2.84E-20	2
Rala	2.44E-24	0.3760109	0.325	0.168	4.01E-20	2
Bcl2a1b	2.62E-24	0.41608643	0.345	0.184	4.32E-20	2
Spi1.2	3.07E-24	0.27815829	0.488	0.286	5.05E-20	2
Rbpj.1	4.60E-24	0.34364685	0.316	0.161	7.57E-20	2
Ptpre	9.83E-24	0.36089987	0.271	0.132	1.62E-19	2
Tagln2.1	4.34E-23	0.32756218	0.679	0.47	7.13E-19	2
Lamp1.2	6.33E-23	-0.714111	0.289	0.427	1.04E-18	2
H13	1.13E-22	0.305731	0.321	0.168	1.86E-18	2
Rpl23a.1	1.85E-22	0.26062387	0.82	0.618	3.04E-18	2
Sh3bgrl	2.18E-22	0.32045853	0.322	0.172	3.59E-18	2
Marcks.2	2.80E-22	0.25574244	0.516	0.313	4.61E-18	2
Dusp5.1	5.74E-22	0.2541357	0.383	0.214	9.45E-18	2
Stx7	2.51E-21	0.308715	0.28	0.143	4.12E-17	2
AW112010.2	3.03E-21	-1.1310512	0.131	0.275	4.98E-17	2
Plec	4.02E-21	0.30700416	0.3	0.156	6.61E-17	2
Cotl1	5.37E-21	0.30348791	0.532	0.344	8.84E-17	2
Fnbp1	5.56E-21	0.30327007	0.373	0.211	9.15E-17	2
Fmnl1	5.99E-21	0.27463283	0.361	0.199	9.86E-17	2
Iqgap1	9.01E-21	0.29005832	0.621	0.422	1.48E-16	2
Plek.2	1.63E-20	0.27415219	0.519	0.328	2.68E-16	2
Sub1.1	2.10E-20	0.26317383	0.647	0.444	3.46E-16	2
Ccnd3	2.56E-20	0.27176361	0.285	0.148	4.21E-16	2

Eif3k.1	4.65E-20	0.28453385	0.618	0.424	7.66E-16	2
Ii10ra	1.05E-19	0.27046942	0.314	0.17	1.72E-15	2
mt-Nd1	1.29E-19	-0.2779691	0.862	0.869	2.11E-15	2
Plp2	1.47E-19	0.30806918	0.273	0.143	2.41E-15	2
9-Sep	3.66E-19	0.27417757	0.277	0.146	6.03E-15	2
Sdf2l1	5.37E-19	0.34274196	0.281	0.152	8.83E-15	2
Arf5.1	1.48E-18	0.26870923	0.584	0.394	2.44E-14	2
Taok3	2.47E-18	0.31028674	0.329	0.189	4.07E-14	2
Fbl	2.60E-18	0.27630078	0.301	0.166	4.28E-14	2
mt-Atp6	6.04E-18	-0.3188898	0.794	0.797	9.94E-14	2
Ptpn18.1	7.87E-18	-0.4314713	0.569	0.618	1.29E-13	2
mt-Nd2	3.20E-17	-0.3200372	0.786	0.799	5.26E-13	2
mt-Nd5.1	3.73E-17	-0.4046202	0.635	0.662	6.14E-13	2
Plekho2.1	6.17E-17	0.26658152	0.305	0.173	1.01E-12	2
Fyb.2	1.72E-16	-0.6448066	0.139	0.262	2.83E-12	2
Picalm.1	1.05E-15	0.27060035	0.272	0.154	1.72E-11	2
Lbh	1.72E-15	0.27910025	0.288	0.165	2.83E-11	2
Higd2a	2.93E-15	0.26459079	0.306	0.18	4.82E-11	2
Pdia6	7.11E-15	0.25437147	0.318	0.192	1.17E-10	2
Grn.2	1.29E-14	-0.7689149	0.298	0.385	2.11E-10	2
Ccl2.2	1.33E-14	-1.0910636	0.183	0.291	2.19E-10	2
Ctsc.2	5.92E-14	-0.7232003	0.346	0.422	9.74E-10	2
Cltc.2	2.68E-13	-0.595469	0.244	0.341	4.42E-09	2
Shisa5.2	7.46E-13	-0.5634853	0.386	0.458	1.23E-08	2
Calm2.2	3.92E-12	-0.4977395	0.308	0.395	6.45E-08	2
Klf6.2	4.47E-12	-0.6209603	0.488	0.535	7.35E-08	2
Rgs10.2	9.98E-12	-0.5259584	0.187	0.285	1.64E-07	2
Pnrc1	1.34E-11	-0.4101755	0.452	0.523	2.21E-07	2
mt-Nd4.1	1.54E-11	-0.3045064	0.71	0.702	2.54E-07	2
Vps37b.2	4.81E-11	-0.706796	0.163	0.252	7.92E-07	2
Sat1.2	4.92E-11	-0.5166921	0.257	0.348	8.09E-07	2
Gstp1.1	6.80E-11	-0.5054416	0.215	0.306	1.12E-06	2
Jak1	9.93E-11	-0.4944171	0.241	0.328	1.63E-06	2
Jun.2	2.37E-10	-1.1223762	0.456	0.463	3.91E-06	2
Malat1.1	8.20E-10	-0.2666837	0.947	0.935	1.35E-05	2
Ubc.2	1.42E-09	-0.4055913	0.507	0.544	2.34E-05	2
H2-Q7.3	2.95E-95	0.9056003	0.566	0.225	4.86E-91	4
Ddx5.1	1.08E-08	-0.2630828	0.699	0.703	0.00017771	2
Ypel3.1	1.55E-08	-0.456378	0.239	0.312	0.00025541	2
Lyz2.2	1.90E-08	-1.3794983	0.711	0.538	0.00031234	2
Cstb.2	4.03E-08	-0.4906036	0.191	0.264	0.00066236	2
Mrc1.2	1.47E-07	-0.7398007	0.261	0.31	0.00242156	2
Neat1.2	2.29E-07	-0.4785666	0.268	0.333	0.00376015	2

Clta.2	6.32E-07	-0.3633749	0.546	0.549	0.01038861	2
Snx5.2	8.41E-07	-0.3870459	0.26	0.323	0.01383827	2
Pltp.2	1.60E-06	-0.6463263	0.302	0.34	0.02625208	2
Atp2b1.2	2.99E-06	-0.3253077	0.29	0.353	0.04923071	2
Hmgb2.1	5.96E-06	-0.4741124	0.199	0.255	0.09810788	2
Sqstm1.1	1.34E-05	-0.3711426	0.345	0.386	0.221035	2
Ftl1.2	0.00011815	-0.5610168	0.975	0.882	1	2
Laptm4a.1	0.00019933	-0.3237041	0.232	0.276	1	2
Arl6ip1	0.00033401	-0.3589144	0.316	0.343	1	2
Map1lc3b	0.00033652	-0.3298476	0.21	0.251	1	2
Rac2.2	0.00042161	-0.3481795	0.493	0.48	1	2
Klf4.2	0.00113704	-0.7346918	0.386	0.374	1	2
AY036118	0.00153247	-0.2506038	0.793	0.783	1	2
Atp6v0c.2	0.00208961	-0.3018453	0.418	0.424	1	2
Cdk2ap2.1	0.00217189	-0.2983527	0.233	0.269	1	2
Rnaset2a.2	0.00254963	-0.3226737	0.255	0.281	1	2
Ccl6.2	0.00267732	-0.3756135	0.553	0.398	1	2
Ehd4.2	0.002985	-0.3591895	0.244	0.269	1	2
Rap1b.1	0.00460657	-0.2820687	0.412	0.415	1	2
Anp32a	0.00519866	-0.2589933	0.272	0.3	1	2
Cd14.2	0.00664247	-0.5056735	0.243	0.262	1	2
Bri3.2	0.00698525	-0.2899363	0.366	0.372	1	2
Prdx1.2	0.00860663	-0.2658639	0.367	0.381	1	2
Retnla.1	0	2.39605559	0.826	0.186	0	3
Fcna.1	0	1.94811182	0.748	0.117	0	3
Folr2.3	0	1.91470773	0.835	0.17	0	3
Ednrb	0	1.90873779	0.543	0.049	0	3
Cd209f.1	0	1.76714371	0.674	0.103	0	3
F13a1.3	0	1.67919514	0.828	0.227	0	3
Selenop.3	0	1.49165581	0.975	0.362	0	3
Lyve1.1	1.30E-302	1.69622884	0.534	0.076	2.14E-298	3
Pf4.3	1.06E-287	1.26137754	0.912	0.248	1.74E-283	3
C4b.1	2.02E-278	1.58717023	0.54	0.086	3.32E-274	3
Egr1.2	1.34E-275	1.37708226	0.948	0.411	2.20E-271	3
Mafb.3	1.07E-268	1.76898122	0.76	0.216	1.77E-264	3
Clec10a.3	1.10E-262	1.6214631	0.721	0.2	1.81E-258	3
Ccl24.1	1.16E-262	1.59745618	0.58	0.108	1.90E-258	3
Apoe.3	1.13E-256	1.20694434	0.996	0.42	1.85E-252	3
C1qc.3	1.58E-250	1.12237958	0.946	0.275	2.59E-246	3
Cd36.1	3.73E-250	1.5611801	0.576	0.118	6.13E-246	3
Tmsb10.2	9.39E-246	-2.5418869	0.195	0.842	1.54E-241	3
Maf.3	1.90E-239	1.45471066	0.687	0.187	3.13E-235	3
Gas6.1	6.07E-239	1.49636028	0.589	0.129	9.99E-235	3

C1qb.3	5.20E-236	1.09665438	0.946	0.295	8.55E-232	3
Pltp.3	1.21E-232	1.37753532	0.816	0.291	1.99E-228	3
Cd52.3	6.62E-222	-2.1503942	0.122	0.793	1.09E-217	3
Ctsb.3	1.42E-221	1.18749164	0.916	0.434	2.34E-217	3
Klf4.3	1.04E-216	1.57205964	0.8	0.334	1.72E-212	3
Fcgrt.2	2.60E-216	1.52446196	0.683	0.216	4.27E-212	3
Mrc1.3	4.99E-215	1.29411279	0.773	0.261	8.21E-211	3
Ltc4s.1	1.55E-213	1.48535468	0.528	0.112	2.54E-209	3
Ftl1.3	8.31E-211	0.92895961	0.997	0.88	1.37E-206	3
Ccl6.3	1.96E-210	1.29928549	0.867	0.369	3.23E-206	3
Timp2.1	9.02E-207	1.47994968	0.605	0.164	1.48E-202	3
Jun.3	1.12E-201	1.20323247	0.886	0.422	1.84E-197	3
C1qa.3	2.56E-198	0.93272029	0.894	0.276	4.22E-194	3
Fth1.2	3.31E-193	0.79088811	0.993	0.954	5.44E-189	3
Cbr2.3	6.53E-191	1.2466376	0.676	0.201	1.07E-186	3
Csf1r.3	2.55E-190	1.17224787	0.787	0.289	4.19E-186	3
Cd209g.1	6.07E-189	1.34534109	0.427	0.075	9.98E-185	3
Fos.2	1.40E-181	0.98426284	0.955	0.589	2.31E-177	3
Igfbp4.1	3.28E-179	1.27068067	0.603	0.172	5.40E-175	3
Rplp0.2	6.97E-175	-1.1209187	0.637	0.929	1.15E-170	3
Rpsa.2	1.33E-173	-1.0760228	0.737	0.954	2.18E-169	3
Mt1.3	1.53E-173	1.12093519	0.86	0.373	2.51E-169	3
Cfh.1	2.41E-171	1.34542018	0.556	0.156	3.96E-167	3
Rpl13.2	3.68E-171	-0.8308659	0.904	0.989	6.06E-167	3
Ctsc.3	1.64E-158	1.17997634	0.779	0.38	2.70E-154	3
Ninj1.3	1.00E-157	1.28300449	0.608	0.207	1.65E-153	3
Fxyd2.1	3.94E-154	1.36174468	0.391	0.08	6.48E-150	3
Cd209d	1.60E-152	1.33151109	0.334	0.057	2.63E-148	3
Dab2.2	1.37E-151	1.22116914	0.585	0.189	2.25E-147	3
Dusp1.2	4.47E-149	0.95696117	0.899	0.578	7.35E-145	3
Jund.2	8.45E-149	0.99016346	0.916	0.66	1.39E-144	3
Mmp9.1	3.84E-147	1.18145154	0.524	0.145	6.32E-143	3
Itm2b.3	2.58E-142	0.80120733	0.952	0.772	4.24E-138	3
Wwp1.1	1.10E-141	1.22642872	0.501	0.145	1.81E-137	3
Zfp36.2	1.68E-141	0.84036229	0.923	0.582	2.76E-137	3
Cd209b	6.05E-141	1.33101326	0.266	0.037	9.95E-137	3
Glul.1	7.44E-138	1.30949651	0.554	0.19	1.22E-133	3
Cd163.1	1.24E-130	1.25348491	0.452	0.122	2.03E-126	3
Rpl8.2	1.47E-130	-0.8612121	0.702	0.938	2.42E-126	3
Junb.2	2.06E-130	0.72647998	0.964	0.831	3.38E-126	3
Tgfb.2	3.46E-129	1.22583934	0.559	0.205	5.69E-125	3
Coro1a.2	4.85E-129	-1.3907373	0.171	0.682	7.98E-125	3
Rpl19.2	9.32E-128	-0.7422881	0.831	0.967	1.53E-123	3

Grn.3	4.58E-127	1.04467615	0.718	0.344	7.53E-123	3
Lgmn.3	1.45E-125	1.13723136	0.616	0.247	2.38E-121	3
Rps7.2	2.77E-124	-0.7900618	0.795	0.956	4.55E-120	3
Marcksl1.2	1.60E-122	0.89692781	0.802	0.4	2.63E-118	3
Hmox1.1	2.20E-122	1.27970529	0.386	0.097	3.62E-118	3
Eef1a1.2	1.56E-118	-0.6204295	0.916	0.986	2.57E-114	3
Uba52.2	1.70E-118	-0.6693501	0.907	0.981	2.79E-114	3
Serinc3.3	3.53E-117	1.09603487	0.667	0.327	5.81E-113	3
Rpl18.1	4.59E-114	-0.7526983	0.722	0.942	7.55E-110	3
Igf1.1	6.15E-109	1.13875535	0.37	0.097	1.01E-104	3
Rpl32.1	2.95E-106	-0.6499939	0.836	0.96	4.86E-102	3
Rhob.1	9.15E-106	1.18068523	0.507	0.19	1.50E-101	3
Klf6.3	6.25E-103	0.99798663	0.774	0.507	1.03E-98	3
Rps24.2	5.86E-102	-0.5757473	0.962	0.99	9.63E-98	3
Rps5.2	1.91E-101	-0.6254652	0.87	0.971	3.14E-97	3
Ier2.2	1.97E-100	0.97609034	0.774	0.535	3.24E-96	3
Atf3.2	3.84E-99	0.87733699	0.783	0.48	6.32E-95	3
Fosb.2	1.13E-98	0.85999646	0.784	0.475	1.86E-94	3
Rps16.2	5.33E-98	-0.5756601	0.915	0.98	8.78E-94	3
Lyz2.3	9.16E-98	0.41040815	0.98	0.514	1.51E-93	3
Rpl18a.2	7.34E-97	-0.6333206	0.867	0.971	1.21E-92	3
Tns1	2.41E-95	1.06049382	0.263	0.056	3.96E-91	3
Malat1.2	3.32E-95	-0.7670665	0.725	0.957	5.47E-91	3
Rps3.2	1.55E-93	-0.6674999	0.712	0.932	2.55E-89	3
Ifi27l2a.2	1.74E-93	1.00714863	0.689	0.375	2.85E-89	3
Ccl7.2	1.45E-91	0.79327013	0.537	0.198	2.38E-87	3
Rps15a.2	2.11E-90	-0.6492035	0.851	0.96	3.48E-86	3
C5ar1.1	1.38E-88	1.0011555	0.45	0.161	2.28E-84	3
Rps19.2	1.75E-88	-0.6534433	0.822	0.944	2.87E-84	3
Cst3.3	2.04E-87	0.36259014	0.967	0.658	3.36E-83	3
Wfdc17.3	3.29E-87	1.02121659	0.614	0.302	5.40E-83	3
Ifitm3.3	9.08E-87	0.61892138	0.828	0.459	1.49E-82	3
Nfkbiz.2	1.19E-86	0.83749061	0.728	0.413	1.96E-82	3
Ctsd.3	1.80E-86	1.04127185	0.559	0.265	2.96E-82	3
Lsp1.3	2.89E-85	-1.5595067	0.035	0.431	4.76E-81	3
Rpl14.2	1.36E-84	-0.7778438	0.479	0.816	2.24E-80	3
Ptafr.1	1.75E-84	1.12182608	0.373	0.126	2.88E-80	3
Rps10.2	4.92E-83	-0.5440506	0.858	0.966	8.09E-79	3
Ier3.2	7.27E-83	0.80605801	0.627	0.297	1.20E-78	3
Rpl29.2	2.57E-82	-0.6730044	0.602	0.882	4.22E-78	3
Btg1.2	1.67E-81	-1.0995303	0.198	0.609	2.75E-77	3
mt-Co1.1	1.74E-81	0.37895466	0.99	0.989	2.87E-77	3
Stab1.1	8.13E-81	0.95040786	0.382	0.125	1.34E-76	3

Srgn.2	4.90E-80	-0.9129052	0.315	0.707	8.06E-76	3
Rpl9-ps6.2	3.31E-79	-0.6287042	0.722	0.924	5.45E-75	3
Rps3a1.2	4.29E-79	-0.5052525	0.889	0.971	7.06E-75	3
Stard8.1	9.20E-78	0.97474034	0.294	0.083	1.51E-73	3
Itsn1.1	5.85E-77	0.98725074	0.279	0.075	9.63E-73	3
Mcl1.3	5.14E-76	0.84702612	0.669	0.404	8.46E-72	3
Cytip.3	6.22E-76	-1.479751	0.004	0.358	1.02E-71	3
Pfn1.1	2.79E-75	-0.6765032	0.638	0.881	4.60E-71	3
Marcks.3	2.17E-73	0.9410258	0.572	0.309	3.57E-69	3
Rps29	3.71E-73	0.55399041	0.931	0.89	6.10E-69	3
Lifr	3.86E-73	0.98857947	0.269	0.074	6.35E-69	3
Rpl3.2	4.63E-73	-0.6653714	0.609	0.859	7.61E-69	3
Rnase4	4.67E-73	0.97403242	0.26	0.069	7.68E-69	3
Hexa.2	2.58E-72	0.94376504	0.53	0.269	4.24E-68	3
Fxyd5.3	3.02E-72	-1.1530666	0.124	0.498	4.96E-68	3
Rps2.1	3.13E-72	-0.540244	0.842	0.953	5.14E-68	3
Neat1.3	4.24E-72	0.99725642	0.563	0.304	6.97E-68	3
Ccl2.3	6.91E-72	0.5754845	0.577	0.252	1.14E-67	3
Eef2.2	1.28E-71	-0.7464536	0.408	0.762	2.11E-67	3
Serpnb6a.1	1.97E-71	0.96678018	0.346	0.119	3.25E-67	3
Ctsl.1	5.20E-71	0.9653261	0.346	0.118	8.56E-67	3
Rpl13a.2	3.49E-69	-0.6964676	0.55	0.838	5.74E-65	3
Lamp1.3	4.65E-69	0.79351169	0.641	0.392	7.65E-65	3
S100a11.3	1.30E-66	-1.1693763	0.078	0.429	2.14E-62	3
Dhrs3.1	4.63E-66	1.02013313	0.292	0.094	7.61E-62	3
Ccl8.1	1.14E-64	0.50965519	0.389	0.139	1.87E-60	3
Rpl15.1	3.21E-64	-0.5753608	0.632	0.869	5.29E-60	3
Fgfr1.1	2.25E-63	1.03772045	0.284	0.092	3.70E-59	3
Ppia.1	7.28E-63	-0.5416466	0.713	0.905	1.20E-58	3
Gapdh.1	1.06E-62	-0.7271952	0.408	0.743	1.75E-58	3
Nrp1.1	3.47E-62	0.91543296	0.333	0.122	5.70E-58	3
Pmp22.1	1.01E-61	0.9517704	0.265	0.08	1.66E-57	3
Mgl2.3	1.07E-61	0.84313375	0.482	0.223	1.76E-57	3
Rps13.2	1.51E-61	-0.5939869	0.603	0.853	2.49E-57	3
Cd63.1	2.41E-61	0.77361984	0.443	0.189	3.97E-57	3
Rpl10a.2	2.02E-60	-0.5483571	0.666	0.882	3.32E-56	3
Limd2.2	8.01E-60	-1.1302235	0.062	0.384	1.32E-55	3
Rps18.2	4.90E-59	-0.5683868	0.685	0.888	8.06E-55	3
Clta.3	1.84E-58	0.68152332	0.706	0.533	3.02E-54	3
Napsa.3	3.58E-58	-1.347071	0.003	0.289	5.89E-54	3
Rpl27.1	5.44E-58	-0.5754275	0.59	0.852	8.96E-54	3
Il2rg.2	5.59E-58	-1.2560463	0.016	0.31	9.20E-54	3
Msn.2	1.71E-57	-0.9359458	0.127	0.464	2.81E-53	3

Pde4b.3	4.05E-57	-0.9401486	0.114	0.447	6.67E-53	3
Aplp2.2	7.20E-57	0.94119405	0.433	0.216	1.18E-52	3
Rps4x.3	9.07E-57	-0.4172967	0.884	0.971	1.49E-52	3
Myh9.1	1.11E-56	-0.9177737	0.194	0.532	1.83E-52	3
Rpl6.2	1.39E-56	-0.5008686	0.737	0.912	2.29E-52	3
Lrp6	3.42E-56	0.90705543	0.255	0.08	5.62E-52	3
Psmb8.1	4.59E-56	-0.8248069	0.169	0.509	7.55E-52	3
Rgl1.1	9.56E-56	0.91516416	0.255	0.081	1.57E-51	3
Shisa5.3	4.92E-55	-0.9266039	0.149	0.48	8.09E-51	3
Rpl11.2	7.37E-55	-0.4558124	0.813	0.937	1.21E-50	3
Ptprcap.3	6.64E-54	-1.3468498	0.013	0.289	1.09E-49	3
Blvrb.1	1.15E-53	0.80676797	0.427	0.202	1.89E-49	3
H2-Eb1.1	5.40E-203	0.89885264	0.989	0.679	8.88E-199	2
H2-DMb2.5	5.41E-82	0.85278274	0.644	0.221	8.89E-78	6
Mtss1.1	2.43E-53	0.95442436	0.333	0.135	4.00E-49	3
Kctd12.2	1.28E-52	0.89803156	0.553	0.353	2.11E-48	3
Rac2.3	1.29E-52	-0.8652099	0.187	0.509	2.12E-48	3
Myl12b.2	1.43E-52	-0.766522	0.197	0.537	2.35E-48	3
Ccl9.3	3.19E-52	0.84078543	0.434	0.214	5.24E-48	3
Rpl26.2	8.09E-52	-0.4485218	0.747	0.913	1.33E-47	3
Cd79a.3	1.05E-51	-2.1627227	0.012	0.274	1.72E-47	3
Trf.1	7.62E-51	0.88753924	0.385	0.18	1.25E-46	3
Fau.3	1.92E-50	-0.3399463	0.973	0.993	3.15E-46	3
Rpl12.2	2.17E-50	-0.6399563	0.524	0.784	3.57E-46	3
Rpl4.2	2.86E-50	-0.6303676	0.337	0.674	4.71E-46	3
Ap2a2.1	3.92E-50	0.92275603	0.298	0.118	6.44E-46	3
Ifi207.1	4.62E-50	0.81472239	0.333	0.136	7.59E-46	3
Rpl39.2	9.87E-50	-0.4687741	0.729	0.905	1.62E-45	3
Ehd4.3	2.75E-49	0.77371606	0.465	0.248	4.53E-45	3
Cnn2.1	2.52E-48	-0.8806942	0.084	0.373	4.15E-44	3
Ptprc.1	8.25E-48	-0.8167096	0.159	0.468	1.36E-43	3
Rpl28.2	1.75E-47	-0.4274446	0.795	0.925	2.87E-43	3
H3f3a.2	2.22E-47	-0.6178522	0.475	0.764	3.65E-43	3
Cd74.3	4.24E-47	-0.7495325	0.855	0.824	6.97E-43	3
Rps6.2	1.93E-46	-0.5355963	0.535	0.794	3.17E-42	3
Sub1.2	2.94E-46	-0.7484533	0.184	0.49	4.83E-42	3
Eif3f.2	8.98E-46	-0.6160533	0.327	0.646	1.48E-41	3
Eif5a.1	9.13E-46	-0.7325325	0.145	0.451	1.50E-41	3
Rps26.2	2.78E-44	-0.3863772	0.829	0.945	4.57E-40	3
H2-Aa.2	1.33E-205	0.84687883	0.992	0.717	2.19E-201	2
Rps20.2	2.09E-43	-0.3761187	0.952	0.974	3.44E-39	3
Rps11.2	4.25E-43	-0.3413938	0.929	0.97	6.99E-39	3
Rps27.2	4.40E-43	-0.4907054	0.777	0.914	7.23E-39	3

Il1b.2	8.10E-43	-1.7455752	0.029	0.265	1.33E-38	3
Zeb2.2	1.06E-42	0.7456863	0.476	0.278	1.75E-38	3
Mat2a.2	2.17E-42	0.83804916	0.41	0.226	3.57E-38	3
Hacd4.1	4.78E-42	0.86444662	0.271	0.109	7.86E-38	3
H2-DMa.4	2.34E-59	0.83511128	0.772	0.409	3.85E-55	8
Rpl34.2	5.03E-41	-0.3436433	0.867	0.954	8.28E-37	3
Clic1	6.06E-41	-0.6124558	0.229	0.53	9.97E-37	3
Ly6d.3	5.75E-40	-1.2510466	0.085	0.329	9.46E-36	3
Sh3bgrl3.1	7.75E-40	-0.4802109	0.52	0.769	1.27E-35	3
Dennd4a.3	7.84E-40	-0.894194	0.033	0.264	1.29E-35	3
Ptma.2	9.13E-40	-0.495361	0.544	0.806	1.50E-35	3
C3ar1.1	1.20E-39	0.7241771	0.282	0.116	1.97E-35	3
Ezr.2	2.63E-39	-0.8972563	0.03	0.256	4.33E-35	3
Psme1.1	2.91E-39	-0.7044927	0.151	0.429	4.79E-35	3
Mt2.1	3.37E-39	0.81241209	0.266	0.106	5.54E-35	3
Fcer1g.2	4.81E-39	0.4114653	0.815	0.554	7.92E-35	3
Bri3.3	1.11E-38	0.68798373	0.527	0.357	1.82E-34	3
Pepd.1	4.27E-38	0.87120627	0.292	0.133	7.02E-34	3
Lamp2.1	4.58E-38	0.83477073	0.324	0.158	7.53E-34	3
Ubc.3	8.18E-38	0.58222586	0.66	0.529	1.35E-33	3
Rpl27a.2	8.54E-38	-0.4000705	0.754	0.902	1.40E-33	3
Rplp2.1	2.01E-37	-0.3539082	0.81	0.93	3.31E-33	3
H2-K1.9	3.37E-22	0.82983602	0.959	0.842	5.55E-18	15
H2-DMa	2.29E-132	0.81888248	0.82	0.384	3.76E-128	2
Rpl24.1	8.30E-37	-0.4008202	0.666	0.869	1.37E-32	3
Vps37b.3	8.91E-37	-1.1016088	0.045	0.263	1.46E-32	3
Rbm3.1	1.01E-36	-0.5610286	0.288	0.578	1.67E-32	3
Eef1b2.1	1.90E-36	-0.5309943	0.42	0.694	3.12E-32	3
Klf2.2	4.70E-36	0.5653207	0.726	0.582	7.73E-32	3
Actb.2	5.41E-35	-0.3019831	0.984	0.994	8.90E-31	3
Cebpd.1	6.32E-35	0.82646854	0.275	0.122	1.04E-30	3
S100a6.3	6.44E-35	-0.5290442	0.541	0.772	1.06E-30	3
Plbd1.2	6.65E-35	-0.9401427	0.046	0.259	1.09E-30	3
Psme2.2	1.05E-34	-0.6467473	0.107	0.356	1.73E-30	3
H2-DMb1.16	1.96E-09	0.76402653	0.771	0.326	3.22E-05	18
AW112010.3	9.01E-34	-1.238971	0.065	0.28	1.48E-29	3
Rack1.2	2.09E-33	-0.424199	0.554	0.789	3.44E-29	3
Cnbp.2	1.11E-32	-0.5706982	0.187	0.453	1.82E-28	3
Rpl7a.1	3.91E-32	-0.3900947	0.538	0.784	6.43E-28	3
Eno1.1	5.74E-32	-0.5745388	0.178	0.435	9.44E-28	3
Btg2.2	8.63E-32	0.47035871	0.755	0.663	1.42E-27	3
mt-Nd4.2	1.45E-30	0.45999142	0.754	0.697	2.38E-26	3
Fcgr3.2	2.17E-30	0.639187	0.378	0.212	3.57E-26	3

Atp5d.1	3.66E-30	-0.4668434	0.197	0.461	6.02E-26	3
Btf3.1	4.13E-30	-0.4536687	0.37	0.635	6.80E-26	3
Rpl36a.2	4.20E-30	-0.4149156	0.546	0.781	6.90E-26	3
Rps27a.2	5.19E-30	-0.2986584	0.871	0.943	8.54E-26	3
Cyba	9.69E-30	-0.4431007	0.499	0.738	1.59E-25	3
Anxa2.3	3.13E-29	-0.7789025	0.09	0.293	5.15E-25	3
mt-Nd4l.2	3.51E-29	-0.320425	0.731	0.918	5.78E-25	3
Rel.3	3.89E-29	-0.6733316	0.088	0.299	6.39E-25	3
Rpl36.2	4.07E-29	-0.3387914	0.797	0.909	6.70E-25	3
Lgals3.2	4.97E-29	-0.7312705	0.151	0.369	8.17E-25	3
Cltc.3	5.67E-29	0.61469392	0.467	0.318	9.33E-25	3
Flna.2	1.44E-28	-0.6384107	0.103	0.317	2.37E-24	3
Tyrobp.3	2.05E-28	0.2822794	0.852	0.584	3.37E-24	3
Cd81.3	3.62E-28	0.61993802	0.428	0.272	5.95E-24	3
Cfp.2	8.57E-28	0.58758842	0.462	0.297	1.41E-23	3
Unc93b1.1	1.12E-27	0.5525042	0.572	0.452	1.85E-23	3
Adgre1.1	2.37E-27	0.68603341	0.289	0.148	3.91E-23	3
Stk17b.2	2.41E-27	-0.5541931	0.217	0.458	3.96E-23	3
Adgre5.2	4.95E-27	-0.620385	0.067	0.258	8.14E-23	3
Gpx1.3	1.04E-26	0.30309165	0.845	0.699	1.71E-22	3
Arhgdib.2	1.47E-26	-0.4428275	0.366	0.618	2.43E-22	3
Ctsh.2	1.65E-26	0.61592179	0.502	0.374	2.71E-22	3
Gm2a.3	2.06E-26	-0.7099735	0.107	0.303	3.39E-22	3
Edf1	2.10E-26	-0.5033738	0.145	0.369	3.46E-22	3
Eif3k.2	4.64E-26	-0.4470415	0.221	0.464	7.63E-22	3
Cd37.3	6.94E-26	-0.7602861	0.149	0.347	1.14E-21	3
Psmb1.1	8.26E-26	-0.4435103	0.116	0.33	1.36E-21	3
Rpl5.1	8.95E-26	-0.3849236	0.501	0.738	1.47E-21	3
Npm1.1	1.05E-25	-0.4230471	0.298	0.553	1.72E-21	3
Syngr2.2	2.29E-25	-0.5961984	0.078	0.264	3.76E-21	3
Zfp36l2.1	2.33E-25	0.58172943	0.499	0.368	3.84E-21	3
Aldoa.1	2.34E-25	-0.508637	0.166	0.386	3.85E-21	3
Rpl22.1	2.55E-25	-0.3292765	0.66	0.843	4.20E-21	3
Eps15.1	3.89E-25	0.67733765	0.282	0.151	6.39E-21	3
Arf6.1	4.98E-25	-0.5477586	0.075	0.262	8.20E-21	3
BC005537.1	6.87E-25	0.76475822	0.313	0.18	1.13E-20	3
Tcf4	9.19E-25	0.71255592	0.271	0.142	1.51E-20	3
Psmb3.1	1.07E-24	-0.5201895	0.094	0.287	1.75E-20	3
Naca.1	1.21E-24	-0.3750921	0.431	0.68	1.99E-20	3
Eps8.2	1.34E-24	0.72868341	0.263	0.138	2.20E-20	3
Clic4.3	2.49E-24	-0.6066294	0.084	0.268	4.09E-20	3
Zfp36l1.2	2.88E-24	0.49440552	0.619	0.519	4.74E-20	3
Macf1.2	2.89E-24	-0.5850294	0.08	0.261	4.76E-20	3

Npc2.2	4.65E-24	0.4757627	0.609	0.503	7.65E-20	3
Cebpb.3	5.99E-24	0.58312126	0.466	0.316	9.86E-20	3
H2afz.3	6.10E-24	-0.5938054	0.41	0.605	1.00E-19	3
Sem1.1	7.03E-24	0.48257857	0.614	0.543	1.16E-19	3
H2-Ab1.7	2.78E-76	0.76145816	1	0.698	4.58E-72	9
Eif3i.1	8.74E-24	-0.4975162	0.094	0.283	1.44E-19	3
Rbpj.2	9.93E-24	0.76736104	0.289	0.165	1.63E-19	3
Rpl35.2	9.96E-24	-0.2759803	0.834	0.933	1.64E-19	3
Eif3h.1	1.61E-23	-0.4146279	0.198	0.43	2.64E-19	3
Ppp1ca.1	1.66E-23	-0.430366	0.175	0.396	2.72E-19	3
Psmb9.1	1.69E-23	-0.5200134	0.078	0.258	2.79E-19	3
Dad1.1	1.78E-23	-0.411998	0.135	0.344	2.92E-19	3
Snrpe.1	3.65E-23	-0.4130157	0.122	0.324	6.00E-19	3
Atp5b.1	4.41E-23	-0.4586756	0.164	0.379	7.25E-19	3
Mif.1	7.55E-23	-0.52938	0.085	0.264	1.24E-18	3
Rpl10-ps3	1.31E-22	-0.2666054	0.783	0.904	2.16E-18	3
Fcrls.1	3.08E-22	0.61834549	0.281	0.15	5.06E-18	3
Snx5.3	3.50E-22	0.56497293	0.43	0.306	5.75E-18	3
Ldha.1	3.61E-22	-0.4537823	0.153	0.357	5.94E-18	3
Ifngr1.1	6.40E-22	-0.5293999	0.197	0.4	1.05E-17	3
Tpm4.1	8.28E-22	-0.4622449	0.085	0.259	1.36E-17	3
Actr3.1	1.02E-21	-0.3816057	0.308	0.546	1.68E-17	3
Ywhaz.1	1.07E-21	-0.3630249	0.31	0.551	1.76E-17	3
Gnai2.2	1.16E-21	0.51853135	0.601	0.521	1.90E-17	3
Preli1	1.35E-21	-0.3950219	0.133	0.33	2.22E-17	3
App.2	2.19E-21	0.5870541	0.391	0.262	3.60E-17	3
Erh	2.23E-21	-0.439611	0.096	0.273	3.67E-17	3
Arhgap45.2	2.49E-21	-0.4852138	0.14	0.332	4.10E-17	3
Taldo1.1	3.19E-21	-0.497342	0.114	0.294	5.25E-17	3
Anxa5.2	3.39E-21	0.55225792	0.45	0.332	5.57E-17	3
Pkm.1	5.85E-21	-0.4435683	0.136	0.325	9.62E-17	3
Lcp1	6.51E-21	-0.3814586	0.324	0.554	1.07E-16	3
Capg.1	8.25E-21	-0.5944837	0.106	0.272	1.36E-16	3
Cxcl2.3	1.69E-20	0.28209785	0.408	0.235	2.78E-16	3
Atp5c1.1	1.87E-20	-0.3692156	0.159	0.361	3.07E-16	3
H2afy.3	2.29E-20	-0.4611028	0.097	0.268	3.77E-16	3
Rbm39.2	3.41E-20	-0.3636451	0.324	0.551	5.61E-16	3
Ptpn6.2	3.67E-20	-0.4832774	0.103	0.274	6.04E-16	3
Mrpl52.1	3.69E-20	-0.359475	0.14	0.335	6.07E-16	3
Anp32b.1	9.87E-20	-0.3941001	0.137	0.322	1.62E-15	3
Hmgb2.2	1.24E-19	-0.5841786	0.101	0.264	2.04E-15	3
Tmsb4x.2	1.37E-19	-0.2758113	0.991	0.993	2.25E-15	3
Sumo2	1.71E-19	-0.3464704	0.216	0.43	2.81E-15	3

Ssr4.2	4.74E-19	-0.3871668	0.188	0.387	7.79E-15	3
Ahnak.3	5.08E-19	0.33566479	0.654	0.536	8.36E-15	3
Cycs.1	5.98E-19	-0.4094734	0.096	0.261	9.84E-15	3
Xist	7.21E-19	-0.3921228	0.281	0.493	1.19E-14	3
Snx2.1	7.81E-19	0.61381688	0.324	0.208	1.28E-14	3
mt-Atp8.2	8.12E-19	-0.2579193	0.826	0.939	1.34E-14	3
H2-Q7.8	1.06E-27	0.75828811	0.498	0.245	1.75E-23	10
Nme2.1	1.01E-18	-0.3299005	0.346	0.571	1.66E-14	3
Hnrnpa1.1	1.15E-18	-0.4020493	0.139	0.318	1.90E-14	3
Snrpg.1	2.24E-18	-0.3969897	0.119	0.287	3.69E-14	3
Atox1.2	4.12E-18	-0.4317495	0.279	0.473	6.77E-14	3
Ran.1	4.54E-18	-0.3698317	0.137	0.314	7.46E-14	3
S100a10.3	4.77E-18	-0.4101222	0.282	0.477	7.84E-14	3
AY036118.1	4.81E-18	-0.3398121	0.609	0.801	7.91E-14	3
Selplg.2	5.74E-18	-0.4426117	0.146	0.321	9.44E-14	3
Tnfaip3.2	7.36E-18	-0.475907	0.169	0.344	1.21E-13	3
Nsa2	9.39E-18	-0.3015302	0.23	0.442	1.54E-13	3
Rpl7.2	9.55E-18	-0.261838	0.699	0.855	1.57E-13	3
Asah1.1	1.05E-17	0.63460335	0.258	0.152	1.72E-13	3
Hnrnpf.1	1.25E-17	-0.3214688	0.242	0.452	2.05E-13	3
Serbp1.1	1.37E-17	-0.322654	0.208	0.402	2.26E-13	3
Pabpc1.1	1.42E-17	-0.2980731	0.43	0.653	2.33E-13	3
Arpc4	1.42E-17	-0.3332456	0.172	0.359	2.34E-13	3
Hmgb1	2.03E-17	-0.3567504	0.24	0.437	3.33E-13	3
Fcgr2b.2	2.09E-17	0.55035353	0.378	0.269	3.43E-13	3
Eif3e.1	2.44E-17	-0.3362316	0.114	0.28	4.01E-13	3
Ppp1r18	2.44E-17	-0.3552783	0.111	0.273	4.01E-13	3
Atp2b1.3	5.98E-17	0.52045457	0.433	0.338	9.83E-13	3
Hnrnpu	7.11E-17	-0.2936279	0.191	0.381	1.17E-12	3
Sri	9.37E-17	-0.3843872	0.11	0.266	1.54E-12	3
Tmem176b.2	1.00E-16	0.31578011	0.562	0.427	1.64E-12	3
Arpc3	1.71E-16	-0.3254383	0.336	0.544	2.81E-12	3
Atp6v0b.2	1.74E-16	0.52760291	0.441	0.352	2.86E-12	3
Atp5o.1.1	1.84E-16	-0.3275753	0.104	0.258	3.02E-12	3
Ncl.1	1.90E-16	-0.3524123	0.208	0.391	3.12E-12	3
Zfand5.2	2.00E-16	0.56553154	0.359	0.252	3.29E-12	3
Fam49b.1	2.47E-16	-0.3164347	0.145	0.315	4.06E-12	3
Creg1.1	2.81E-16	0.61340277	0.298	0.195	4.62E-12	3
lfitm2.3	3.96E-16	0.41865691	0.501	0.38	6.52E-12	3
Hnrnpa2b1	5.53E-16	-0.2889822	0.355	0.572	9.10E-12	3
Rpl21.2	6.68E-16	-0.2941651	0.489	0.695	1.10E-11	3
Hspe1.1	6.95E-16	-0.3108253	0.142	0.311	1.14E-11	3
Rpl36al.1	7.23E-16	-0.2654658	0.412	0.63	1.19E-11	3

Alox5ap.3	7.86E-16	0.36439476	0.505	0.387	1.29E-11	3
Ywhah.2	9.35E-16	-0.2932928	0.12	0.277	1.54E-11	3
Sf3b1	1.07E-15	-0.3420223	0.156	0.323	1.77E-11	3
Nol7.1	1.19E-15	-0.2738413	0.123	0.284	1.96E-11	3
Rgs10.3	1.22E-15	0.56170205	0.365	0.267	2.01E-11	3
Rpl17.1	1.96E-15	-0.2842283	0.375	0.59	3.23E-11	3
Myl12a.1	2.65E-15	-0.2907759	0.219	0.41	4.36E-11	3
Ndufa13	3.18E-15	-0.2802636	0.227	0.418	5.24E-11	3
Atp5a1	4.34E-15	-0.2735772	0.205	0.389	7.13E-11	3
Nop10	4.70E-15	-0.3209169	0.13	0.283	7.73E-11	3
Atp5h.1	5.22E-15	-0.281379	0.307	0.516	8.59E-11	3
Abracl.2	9.03E-15	-0.321338	0.123	0.274	1.49E-10	3
Cox5b	9.21E-15	-0.281315	0.258	0.452	1.52E-10	3
Tax1bp1.2	9.87E-15	-0.3203852	0.133	0.288	1.62E-10	3
Ccn1.2	1.30E-14	0.57653447	0.385	0.298	2.13E-10	3
Snrpf.1	1.35E-14	-0.3032698	0.116	0.263	2.21E-10	3
Rrbp1.2	1.50E-14	0.55379552	0.42	0.342	2.47E-10	3
Atf4.1	1.92E-14	0.58723554	0.297	0.203	3.16E-10	3
Rnf130.1	2.60E-14	0.59421675	0.255	0.162	4.28E-10	3
Cotl1.1	2.99E-14	-0.3166147	0.205	0.377	4.93E-10	3
Nrros.3	3.27E-14	0.50807139	0.372	0.276	5.38E-10	3
Lsm4.1	3.56E-14	-0.3082975	0.11	0.251	5.86E-10	3
Arpc2.2	4.57E-14	-0.2578322	0.491	0.683	7.52E-10	3
Sap18	6.68E-14	-0.2922463	0.13	0.276	1.10E-09	3
Rpl22l1.1	6.73E-14	-0.2974109	0.275	0.458	1.11E-09	3
Itgb2.2	1.30E-13	-0.3770734	0.137	0.28	2.13E-09	3
Lyn.1	1.42E-13	-0.3116899	0.116	0.254	2.34E-09	3
Gnas.1	1.59E-13	-0.2709262	0.291	0.491	2.61E-09	3
Srrm1	2.32E-13	-0.3049689	0.117	0.254	3.82E-09	3
Socs3.3	3.12E-13	0.57423819	0.359	0.271	5.13E-09	3
Rpl10	3.36E-13	0.33260643	0.686	0.676	5.52E-09	3
Grcc10	6.79E-13	-0.2925043	0.246	0.415	1.12E-08	3
Ddx3x.2	7.62E-13	0.58467008	0.344	0.261	1.25E-08	3
Cd68.2	1.13E-12	0.46817561	0.355	0.264	1.86E-08	3
Atp5e.1	1.36E-12	-0.2721412	0.452	0.639	2.23E-08	3
Zcchc6.1	1.57E-12	0.5187094	0.258	0.17	2.58E-08	3
Fis1.1	2.04E-12	-0.2522669	0.164	0.312	3.35E-08	3
mt-Nd2.1	1.05E-11	0.2545481	0.787	0.799	1.72E-07	3
Zyx.3	1.11E-11	-0.3011323	0.142	0.275	1.82E-07	3
Slc6a6.1	2.29E-11	0.55253623	0.259	0.18	3.77E-07	3
Park7	3.83E-11	-0.2706864	0.145	0.277	6.29E-07	3
Sat1.3	4.75E-11	0.43354564	0.411	0.332	7.82E-07	3
Mycbp2	4.97E-11	-0.2582903	0.13	0.256	8.17E-07	3

Prr13.1	8.26E-11	-0.2754388	0.149	0.278	1.36E-06	3
Ctsa.2	9.56E-11	0.47744355	0.353	0.278	1.57E-06	3
Dock2.1	1.84E-10	-0.2632498	0.137	0.262	3.02E-06	3
Scamp2.1	2.06E-10	0.54136727	0.276	0.203	3.39E-06	3
Calm2.3	2.14E-10	0.44262073	0.443	0.381	3.52E-06	3
Ralbp1	7.97E-10	0.50586406	0.263	0.191	1.31E-05	3
Tgfbr2.1	9.77E-10	0.45475662	0.295	0.219	1.61E-05	3
Aldh2.1	5.44E-09	0.44081721	0.271	0.201	8.94E-05	3
Akr1a1.2	5.87E-09	0.44254437	0.394	0.348	9.65E-05	3
Tubb5.1	1.25E-08	-0.2818243	0.187	0.307	0.00020635	3
Pld4.2	2.05E-08	0.41075032	0.375	0.321	0.00033685	3
Ap2m1	2.22E-08	0.53069481	0.278	0.22	0.0003644	3
Prdx5.1	2.23E-08	-0.2597759	0.22	0.347	0.00036732	3
Gng5.2	2.30E-08	0.33982599	0.588	0.598	0.00037812	3
Vim.2	4.10E-08	-0.3665379	0.54	0.63	0.00067445	3
Cdk2ap2.2	6.29E-08	-0.2905665	0.168	0.275	0.00103527	3
Man2b1.2	8.72E-08	0.4378201	0.343	0.295	0.00143394	3
Snx3.2	1.20E-07	0.41969982	0.386	0.347	0.0019722	3
Rap1b.2	5.95E-07	0.37333244	0.438	0.413	0.00978276	3
Lmna.1	6.71E-07	0.36082558	0.268	0.206	0.01102935	3
Vamp8.2	8.30E-07	0.39199062	0.378	0.338	0.01365306	3
Pitpna.2	1.14E-06	0.47708579	0.282	0.234	0.01874847	3
Emp3.1	1.61E-06	0.34006795	0.454	0.432	0.02642283	3
Txnip.2	8.28E-06	0.29820417	0.295	0.237	0.13624445	3
Bst2.1	3.01E-05	0.32219381	0.263	0.214	0.49431729	3
Gabarap.1	9.44E-05	0.25709257	0.535	0.568	1	3
Sdcbp.2	0.0001543	0.3822449	0.301	0.272	1	3
Ier5.2	0.00026174	0.34113625	0.381	0.37	1	3
Ppp1r15a.3	0.00040775	0.2906718	0.379	0.354	1	3
Fkbp1a.2	0.0006949	0.35101766	0.278	0.25	1	3
Canx.2	0.00072763	0.38746438	0.302	0.285	1	3
Srsf5	0.00100305	0.31109726	0.369	0.365	1	3
Rbms1.2	0.00109975	0.36401676	0.279	0.255	1	3
Atpif1.2	0.00300151	0.30436065	0.326	0.314	1	3
Ptp4a2.1	0.00314342	0.34615487	0.307	0.297	1	3
Kdm6b.3	0.00417697	0.34316672	0.326	0.311	1	3
Tmed10.1	0.00450278	0.29424154	0.3	0.284	1	3
Rtn4.2	0.00521389	0.34698479	0.266	0.249	1	3
Wnk1	0.00864987	0.33797366	0.269	0.258	1	3
Ms4a4b	0	1.97817317	0.67	0.06	0	4
Cd3d	0	1.72820835	0.642	0.06	0	4
Cd8b1	0	1.70002528	0.384	0.012	0	4
Cd3e	0	1.64098821	0.641	0.066	0	4

Lat	0	1.58247594	0.557	0.063	0	4
Cd3g	0	1.54399638	0.609	0.076	0	4
Gzmk	1.27E-307	1.40729734	0.267	0.008	2.09E-303	4
Nkg7	8.67E-307	1.54626402	0.603	0.088	1.43E-302	4
Lck	1.58E-254	1.33837495	0.499	0.075	2.59E-250	4
Thy1	1.39E-222	1.16003831	0.512	0.089	2.28E-218	4
Cd27	2.10E-222	1.21543271	0.299	0.025	3.46E-218	4
Ccl5	4.34E-207	2.04565463	0.548	0.121	7.15E-203	4
Vps37b.4	1.42E-203	1.24074359	0.692	0.201	2.34E-199	4
Skap1	2.52E-183	1.1297846	0.416	0.07	4.15E-179	4
Cd247	2.11E-174	1.06397348	0.286	0.032	3.46E-170	4
Cd28	3.60E-173	1.1668479	0.328	0.045	5.93E-169	4
Cd74.4	1.39E-169	-1.6697733	0.5	0.858	2.29E-165	4
Tyrobp.4	1.77E-168	-2.4254139	0.067	0.659	2.91E-164	4
Cst3.4	7.60E-162	-2.6275294	0.255	0.726	1.25E-157	4
H2-Q4.3	1.42E-13	0.75775881	0.515	0.214	2.34E-09	15
Trbc2	9.16E-153	1.06345071	0.328	0.051	1.51E-148	4
Rps15a.3	4.35E-152	0.63098339	0.996	0.946	7.15E-148	4
H2-Q4	6.12E-55	0.72039265	0.441	0.196	1.01E-50	4
Fcer1g.3	6.05E-149	-2.2766152	0.081	0.624	9.95E-145	4
Hcst	3.72E-147	1.09760877	0.553	0.162	6.12E-143	4
H2-DMb1.6	1.61E-45	0.69649199	0.662	0.312	2.66E-41	8
Eef1a1.3	1.17E-144	0.52062267	0.993	0.979	1.92E-140	4
Gpx1.4	1.53E-143	-1.6884743	0.336	0.747	2.52E-139	4
Rpsa.3	7.75E-138	0.60481896	0.993	0.93	1.27E-133	4
Fth1.3	2.16E-135	-1.047337	0.896	0.964	3.56E-131	4
Lyz2.4	2.50E-132	-2.9499282	0.098	0.598	4.11E-128	4
Rps16.3	9.12E-126	0.51890626	0.991	0.972	1.50E-121	4
Zfp36.3	1.10E-124	-1.822038	0.198	0.651	1.81E-120	4
Ftl1.4	4.66E-123	-1.3869104	0.779	0.901	7.67E-119	4
Ifitm3.4	1.69E-120	-2.3402336	0.047	0.533	2.79E-116	4
Rpl12.3	4.02E-120	0.73901416	0.918	0.747	6.61E-116	4
Gimap3	1.68E-119	1.00177232	0.475	0.134	2.76E-115	4
Rpl19.3	2.56E-117	0.50293297	0.994	0.951	4.22E-113	4
Tmsb10.3	8.04E-117	0.62594597	0.996	0.766	1.32E-112	4
Psap.2	1.87E-116	-1.5424108	0.336	0.708	3.08E-112	4
Rps24.3	4.47E-113	0.47740236	0.999	0.987	7.35E-109	4
Gimap6.1	3.60E-112	0.94136011	0.509	0.161	5.93E-108	4
Itk	1.79E-109	0.84405965	0.257	0.043	2.94E-105	4
Uba52.3	8.33E-108	0.457179	0.991	0.973	1.37E-103	4
Rpl13a.3	4.05E-107	0.61999291	0.94	0.801	6.66E-103	4
Rps7.3	1.77E-104	0.52535283	0.991	0.937	2.92E-100	4
Rpl18a.3	3.38E-104	0.47646085	0.99	0.96	5.56E-100	4

Ctsw	8.14E-104	0.80698457	0.277	0.052	1.34E-99	4
Saraf	2.40E-103	1.01816941	0.456	0.147	3.95E-99	4
Rpl18.2	7.43E-100	0.53176988	0.982	0.918	1.22E-95	4
Ets1.1	2.28E-99	0.86020937	0.484	0.156	3.76E-95	4
Shisa5.4	1.01E-98	0.84096643	0.752	0.423	1.66E-94	4
Gimap4	3.02E-98	0.88802038	0.434	0.13	4.96E-94	4
Fos.3	4.15E-97	-1.7176727	0.284	0.653	6.83E-93	4
H2-DMa.5	5.99E-55	0.69624885	0.863	0.409	9.85E-51	9
Rps3.3	7.96E-95	0.51160432	0.966	0.908	1.31E-90	4
H2-Q6.3	8.37E-13	0.69522782	0.29	0.153	1.38E-08	10
AW112010.4	2.03E-93	0.75330512	0.584	0.23	3.34E-89	4
Cd2	3.18E-93	0.88164951	0.364	0.098	5.24E-89	4
Rps10.3	3.34E-93	0.47399922	0.987	0.954	5.49E-89	4
Rpl8.3	1.91E-92	0.51142658	0.974	0.911	3.14E-88	4
Marcksl1.3	2.17E-90	-1.9820096	0.066	0.47	3.57E-86	4
Ccl6.4	2.40E-90	-2.0279925	0.04	0.448	3.95E-86	4
Tmem176b.3	4.02E-90	-1.6674324	0.066	0.474	6.61E-86	4
Apoe.4	1.46E-87	-3.0929941	0.132	0.503	2.40E-83	4
1-Sep	3.25E-87	0.79138791	0.438	0.142	5.34E-83	4
Alox5ap.4	6.14E-87	-1.6628277	0.035	0.432	1.01E-82	4
Rplp0.3	1.04E-86	0.53487562	0.981	0.896	1.71E-82	4
Mt1.4	1.65E-85	-2.2660823	0.059	0.45	2.71E-81	4
Rpl9-ps6.3	8.18E-85	0.4706447	0.968	0.9	1.35E-80	4
Fosb.3	5.26E-84	-1.5359044	0.152	0.535	8.66E-80	4
Rpl13.3	2.33E-81	0.39802756	0.991	0.981	3.83E-77	4
Ifitm2.4	6.86E-81	-1.6932968	0.047	0.423	1.13E-76	4
Egr1.3	1.14E-80	-1.9610318	0.12	0.49	1.87E-76	4
Rps27.3	1.67E-80	0.48819516	0.966	0.896	2.74E-76	4
Rps5.3	2.48E-80	0.42740573	0.982	0.96	4.08E-76	4
Prkch	9.67E-80	0.88099616	0.261	0.061	1.59E-75	4
Limd2.3	3.07E-79	0.78588821	0.645	0.329	5.05E-75	4
Emb	2.07E-77	0.87654878	0.462	0.179	3.40E-73	4
Grn.4	2.21E-77	-1.6051008	0.041	0.408	3.64E-73	4
Unc93b1.2	4.15E-77	-1.2177488	0.123	0.495	6.83E-73	4
Ablim1.1	7.95E-77	0.74153387	0.355	0.106	1.31E-72	4
Nfkbiz.3	7.87E-76	-1.6019846	0.114	0.472	1.29E-71	4
Rps3a1.3	1.79E-75	0.39113942	0.985	0.962	2.94E-71	4
Csf1r.4	4.11E-74	-1.8774975	0.013	0.363	6.75E-70	4
Rpl3.3	4.61E-73	0.51253018	0.934	0.828	7.58E-69	4
Il7r	9.28E-73	0.75998019	0.257	0.062	1.53E-68	4
C1qb.4	3.25E-72	-2.7434848	0.041	0.382	5.34E-68	4
Tmsb4x.3	2.60E-71	-0.4803125	0.991	0.993	4.27E-67	4
Cd83.2	2.88E-70	-1.2158348	0.147	0.501	4.73E-66	4

C1qc.4	8.96E-70	-2.6791402	0.029	0.363	1.47E-65	4
Selenop.4	2.46E-68	-2.2745807	0.117	0.444	4.05E-64	4
Rps18.3	3.63E-68	0.47797398	0.947	0.863	5.98E-64	4
Rpl27.2	8.77E-68	0.46113127	0.931	0.82	1.44E-63	4
Rpl32.2	8.81E-68	0.40438919	0.974	0.947	1.45E-63	4
C1qa.4	1.35E-67	-2.5560659	0.032	0.358	2.23E-63	4
Wfdc17.4	1.39E-66	-1.7437043	0.032	0.358	2.29E-62	4
Klf4.4	2.60E-66	-1.7154632	0.072	0.404	4.27E-62	4
Atf3.3	3.27E-66	-1.4099858	0.21	0.535	5.38E-62	4
Pltp.4	3.49E-66	-1.7035218	0.037	0.365	5.75E-62	4
Mrc1.4	1.53E-65	-1.7943932	0.013	0.333	2.51E-61	4
Ctss.2	1.61E-65	-1.0965671	0.202	0.529	2.65E-61	4
Ms4a6b	5.26E-65	0.82263244	0.362	0.129	8.65E-61	4
Kctd12.3	9.19E-64	-1.273062	0.072	0.399	1.51E-59	4
Cfp.3	1.07E-63	-1.4100575	0.021	0.339	1.75E-59	4
Dusp1.3	2.14E-63	-1.1656698	0.353	0.63	3.52E-59	4
Rps2.2	3.15E-63	0.38854872	0.981	0.94	5.18E-59	4
Pf4.4	3.85E-63	-2.4924307	0.022	0.333	6.33E-59	4
Marcks.4	6.19E-63	-1.3168846	0.04	0.36	1.02E-58	4
Eef2.3	7.65E-63	0.51799808	0.864	0.719	1.26E-58	4
Ltb.2	1.19E-62	0.64498546	0.459	0.183	1.95E-58	4
Ctsh.3	1.21E-62	-1.1697182	0.091	0.414	1.99E-58	4
Ctsb.4	2.38E-61	-1.555676	0.205	0.502	3.92E-57	4
Rpl30.1	2.15E-60	0.35453934	0.984	0.95	3.54E-56	4
Pld4.3	3.55E-59	-1.1692755	0.045	0.352	5.83E-55	4
F13a1.4	1.94E-58	-1.7730226	0.012	0.305	3.19E-54	4
Ptprcap.4	2.90E-58	0.59108095	0.532	0.24	4.77E-54	4
Ccl2.4	1.11E-57	-2.1930236	0.015	0.306	1.82E-53	4
Ccr7.1	1.74E-57	0.567721	0.4	0.149	2.87E-53	4
Rpl36.3	2.60E-57	0.39229746	0.96	0.894	4.27E-53	4
Jun.4	2.94E-57	-1.7040219	0.198	0.487	4.84E-53	4
H2-Q6.2	2.39E-23	0.66457933	0.327	0.149	3.93E-19	7
Ctsc.4	3.44E-56	-1.270167	0.141	0.441	5.66E-52	4
Rps23.1	5.81E-56	0.39791108	0.938	0.892	9.55E-52	4
Jund.3	9.62E-56	-0.8854937	0.456	0.704	1.58E-51	4
Rplp2.2	2.31E-55	0.37213127	0.974	0.914	3.80E-51	4
Tmem176a.3	2.53E-55	-1.2217818	0.06	0.359	4.17E-51	4
Cybb.2	3.41E-55	-1.2263942	0.062	0.354	5.61E-51	4
H2-Ob.1	6.64E-41	0.65128582	0.393	0.141	1.09E-36	6
Mcl1.4	9.02E-55	-1.0617635	0.148	0.453	1.48E-50	4
Leprotl1	1.13E-54	0.73128481	0.333	0.125	1.87E-50	4
Cd14.3	2.33E-54	-1.5832004	0.009	0.284	3.83E-50	4
Rac2.4	3.02E-54	0.571533	0.713	0.459	4.97E-50	4

H2-Q4.2	2.73E-14	0.6162386	0.372	0.212	4.48E-10	10
Rpl23.1	7.14E-54	0.32156852	0.988	0.974	1.17E-49	4
Rps13.3	1.59E-53	0.39911628	0.912	0.824	2.62E-49	4
Spi1.3	3.58E-53	-1.1027349	0.045	0.33	5.90E-49	4
Clec10a.4	2.60E-52	-1.5116839	0.003	0.268	4.28E-48	4
Rps4x.4	9.78E-52	0.32153805	0.982	0.961	1.61E-47	4
Mafb.4	2.91E-51	-1.6971206	0.019	0.287	4.78E-47	4
Rps20.3	3.16E-51	0.35332602	0.977	0.972	5.20E-47	4
Cd68.3	1.29E-50	-1.1609758	0.025	0.295	2.12E-46	4
Zeb2.3	2.19E-50	-1.1461915	0.045	0.319	3.59E-46	4
Rpl11.3	3.22E-50	0.35656706	0.962	0.923	5.29E-46	4
Ly86.1	5.66E-50	-1.0505577	0.066	0.342	9.31E-46	4
Rplp1	1.19E-49	0.32424653	0.982	0.973	1.96E-45	4
Il21r	1.79E-49	0.68740661	0.279	0.095	2.95E-45	4
Lgmn.4	2.72E-49	-1.2989592	0.037	0.302	4.47E-45	4
Tgfb.3	3.92E-49	-1.2654381	0.004	0.258	6.45E-45	4
Cxcl2.4	8.20E-49	-2.2899895	0.016	0.273	1.35E-44	4
Rps19.3	1.40E-48	0.36425863	0.966	0.93	2.31E-44	4
Rpl27a.3	1.51E-48	0.36897974	0.943	0.884	2.48E-44	4
Ctsz.2	2.20E-48	-1.0188346	0.103	0.376	3.62E-44	4
Rassf4.3	1.64E-47	-1.0187745	0.015	0.268	2.70E-43	4
Rpl6.3	1.86E-47	0.39089864	0.952	0.892	3.06E-43	4
Fcgrt.3	2.41E-47	-1.2766249	0.023	0.279	3.96E-43	4
Fcgr2b.3	3.86E-47	-1.0615727	0.041	0.301	6.34E-43	4
B4galnt1	8.36E-47	0.69725623	0.34	0.138	1.38E-42	4
Mgl2.4	1.12E-46	-1.3681396	0.019	0.267	1.84E-42	4
Plbd1.3	5.45E-46	-1.1916783	0.016	0.262	8.97E-42	4
Tpt1	7.80E-46	0.26941207	0.99	0.982	1.28E-41	4
Hexa.3	1.62E-45	-1.0708362	0.056	0.314	2.66E-41	4
Ccl9.4	3.42E-45	-1.1764082	0.013	0.254	5.63E-41	4
Nfkb.3	6.93E-45	-0.8801914	0.292	0.542	1.14E-40	4
Rpl15.2	8.66E-45	0.37430835	0.918	0.841	1.42E-40	4
App.3	2.82E-44	-0.9990291	0.041	0.296	4.64E-40	4
Il2rg.3	3.44E-44	0.56099585	0.504	0.263	5.66E-40	4
Bri3.4	4.00E-44	-0.9416645	0.129	0.395	6.58E-40	4
Rps21.2	9.51E-44	0.35543289	0.924	0.879	1.56E-39	4
Rps6.3	1.77E-43	0.40300106	0.878	0.761	2.91E-39	4
Rps8.2	2.03E-43	0.27607065	0.99	0.982	3.34E-39	4
Il1b.3	2.36E-43	-1.7749649	0.026	0.265	3.89E-39	4
Nrros.4	2.63E-43	-0.9208478	0.053	0.306	4.33E-39	4
Rpl10a.3	3.57E-43	0.37929195	0.909	0.859	5.87E-39	4
Rps14.1	7.91E-43	0.32303924	0.952	0.928	1.30E-38	4
Crip1.3	1.20E-41	-0.8985016	0.625	0.729	1.97E-37	4

Lgals3.3	1.61E-41	-1.029297	0.116	0.372	2.66E-37	4
Ckb.2	1.71E-41	-1.1156126	0.026	0.255	2.81E-37	4
Nr4a1.1	3.28E-41	-0.8203147	0.276	0.527	5.39E-37	4
Rpl29.3	1.82E-40	0.35538393	0.927	0.85	2.99E-36	4
Chd3	2.12E-40	0.65204386	0.283	0.11	3.49E-36	4
Rpl39.3	2.14E-40	0.34070564	0.938	0.885	3.52E-36	4
Plek.3	3.57E-40	-0.8956862	0.117	0.368	5.87E-36	4
Btg1.3	4.31E-40	0.48179879	0.767	0.555	7.09E-36	4
Pim1.2	7.70E-40	-0.7566478	0.21	0.472	1.27E-35	4
Clic4.4	1.03E-39	-1.0205789	0.044	0.271	1.69E-35	4
Cbr2.4	2.18E-39	-1.4318009	0.04	0.262	3.59E-35	4
Serinc3.4	3.43E-39	-0.9292063	0.132	0.378	5.65E-35	4
Rack1.3	9.31E-39	0.38456833	0.842	0.762	1.53E-34	4
Cd81.4	9.33E-39	-0.9494449	0.072	0.306	1.53E-34	4
Rpl34.3	9.88E-39	0.27409271	0.975	0.944	1.63E-34	4
Anxa5.3	1.97E-38	-0.8563872	0.119	0.363	3.24E-34	4
Rpl14.3	5.92E-38	0.38065433	0.861	0.78	9.74E-34	4
Pnrc1.1	2.67E-37	0.50315399	0.695	0.499	4.40E-33	4
Ehd4.4	2.78E-37	-0.9346572	0.06	0.286	4.57E-33	4
Ier3.3	5.02E-37	-1.0956494	0.109	0.346	8.25E-33	4
Ninj1.4	7.14E-37	-1.1257938	0.045	0.261	1.17E-32	4
Lamp1.4	1.61E-36	-0.8711047	0.205	0.434	2.65E-32	4
Rrbp1.3	1.81E-36	-0.7747279	0.126	0.369	2.98E-32	4
Ptprc.2	2.32E-36	0.5111012	0.629	0.423	3.82E-32	4
Rpl5.2	2.64E-36	0.39478923	0.811	0.708	4.34E-32	4
Atox1.3	3.00E-36	-0.7467729	0.238	0.477	4.93E-32	4
Vim.3	3.97E-36	-0.7338055	0.462	0.637	6.53E-32	4
Cnn2.2	7.88E-36	0.59634533	0.532	0.33	1.30E-31	4
H2-Aa.7	7.75E-59	0.61332859	1	0.733	1.27E-54	9
Atp6v0b.3	3.70E-35	-0.7833037	0.145	0.38	6.08E-31	4
Cyba.1	1.10E-34	-0.5131799	0.576	0.731	1.81E-30	4
Jak1.1	3.50E-34	0.5241334	0.507	0.302	5.75E-30	4
Ahnak.4	2.88E-33	-0.7146939	0.345	0.566	4.73E-29	4
Kdm6b.4	2.95E-33	-0.8090141	0.113	0.331	4.86E-29	4
Lyn.2	5.39E-33	-0.8328932	0.054	0.259	8.86E-29	4
Iitm2b.4	2.75E-32	-0.7098097	0.704	0.795	4.52E-28	4
Myl12b.3	3.39E-32	0.4425629	0.677	0.491	5.58E-28	4
Btg2.3	1.88E-31	-0.5431549	0.525	0.685	3.09E-27	4
Rpl37.1	8.13E-31	0.26146655	0.968	0.925	1.34E-26	4
Gm2a.4	1.00E-30	-0.893282	0.103	0.304	1.65E-26	4
Zc3hav1	2.18E-30	0.57569185	0.283	0.13	3.58E-26	4
Rpl22l1.2	5.14E-30	0.47342662	0.609	0.427	8.45E-26	4
Sat1.4	1.69E-29	-0.7594384	0.147	0.358	2.77E-25	4

Neat1.4	2.19E-29	-0.92971	0.144	0.344	3.61E-25	4
Rps26.3	4.16E-29	0.25833467	0.975	0.931	6.84E-25	4
Selplg.3	8.30E-29	0.50941637	0.481	0.289	1.37E-24	4
Rpl7.3	1.23E-28	0.2887331	0.891	0.837	2.02E-24	4
Rpl4.3	1.37E-28	0.36295883	0.764	0.633	2.26E-24	4
Myh9.2	1.66E-28	0.47548025	0.66	0.487	2.72E-24	4
Ly6e.2	3.59E-28	-0.5182613	0.669	0.758	5.90E-24	4
Coro1a.3	4.93E-28	0.31051905	0.817	0.62	8.10E-24	4
Prdx6	9.01E-28	0.56669943	0.328	0.169	1.48E-23	4
Napsa.4	4.59E-27	-0.8383247	0.095	0.28	7.56E-23	4
Rpl24.2	1.41E-26	0.29290069	0.891	0.847	2.33E-22	4
Rpl36a.3	1.86E-26	0.35636356	0.837	0.753	3.07E-22	4
Npm1.2	2.40E-26	0.44773591	0.669	0.517	3.95E-22	4
Tnfaip3.3	2.62E-26	0.51921075	0.494	0.313	4.30E-22	4
Atpif1.3	3.87E-26	-0.6289509	0.135	0.332	6.36E-22	4
Eef1b2.2	8.98E-26	0.37484168	0.765	0.661	1.48E-21	4
Sem1.2	1.32E-25	-0.5198542	0.378	0.565	2.17E-21	4
Zfand5.3	1.72E-25	-0.6965923	0.095	0.278	2.83E-21	4
Erp29.2	4.88E-25	-0.5538611	0.183	0.384	8.03E-21	4
Arhgap45.3	8.05E-25	0.45500961	0.472	0.3	1.32E-20	4
Bin2	3.77E-24	0.48089211	0.265	0.13	6.20E-20	4
Retnla.2	3.82E-24	-2.852773	0.094	0.256	6.29E-20	4
Gabarap.2	4.85E-24	-0.4814479	0.397	0.581	7.98E-20	4
Litaf.1	5.00E-24	-0.5865393	0.097	0.279	8.22E-20	4
Ier5.3	1.21E-23	-0.613564	0.198	0.387	1.98E-19	4
H2-K1.3	3.82E-24	0.60975145	0.937	0.834	6.28E-20	4
Eif3f.3	2.35E-23	0.33412423	0.742	0.606	3.87E-19	4
Fam107b.1	4.32E-23	0.45486823	0.317	0.168	7.11E-19	4
Fyb.3	4.90E-23	0.48059211	0.397	0.236	8.07E-19	4
Cltc.4	5.11E-23	-0.6400991	0.166	0.347	8.40E-19	4
Dusp5.2	1.14E-22	0.54664423	0.371	0.217	1.88E-18	4
Gstm1.3	2.12E-22	0.3350752	0.784	0.633	3.49E-18	4
Cebpb.4	3.32E-22	-0.8075168	0.177	0.344	5.45E-18	4
Rpl21.3	3.70E-22	0.34882267	0.77	0.668	6.09E-18	4
Gadd45b.3	4.01E-22	-0.654875	0.097	0.265	6.59E-18	4
Naca.2	5.32E-22	0.34463696	0.767	0.648	8.74E-18	4
Pabpc1.2	5.91E-22	0.35442209	0.749	0.623	9.72E-18	4
Ptms.2	1.38E-21	-0.5826815	0.129	0.303	2.27E-17	4
Zfp36l1.3	1.46E-21	-0.5151698	0.356	0.544	2.41E-17	4
Sh3bgrl3.2	1.76E-21	-0.3475338	0.652	0.757	2.90E-17	4
Cd82	1.84E-21	0.49046797	0.258	0.129	3.03E-17	4
Gnai2.3	7.69E-21	-0.4826946	0.381	0.542	1.26E-16	4
Efh2.2	1.00E-20	-0.5809132	0.144	0.31	1.65E-16	4

Akap13.1	1.05E-20	0.44114193	0.466	0.309	1.72E-16	4
Gapdh.2	1.37E-20	0.32680016	0.801	0.705	2.25E-16	4
Mif.2	1.72E-20	0.46170441	0.383	0.235	2.82E-16	4
Cnbp.3	2.29E-20	0.38413401	0.572	0.416	3.77E-16	4
Man2b1.3	2.65E-20	-0.5204182	0.144	0.314	4.35E-16	4
Nfkbid.3	3.85E-20	-0.6287615	0.098	0.257	6.34E-16	4
Stk4	4.42E-20	0.470849	0.282	0.151	7.26E-16	4
Atp2b1.4	7.57E-20	-0.5236938	0.192	0.361	1.25E-15	4
Itga4	9.73E-20	0.50565324	0.336	0.201	1.60E-15	4
Arhgdib.3	1.99E-19	0.32721949	0.695	0.586	3.27E-15	4
Akr1a1.3	2.65E-19	-0.5077792	0.198	0.367	4.37E-15	4
Clta.4	2.72E-19	-0.4752291	0.411	0.562	4.47E-15	4
Stk17b.3	3.97E-19	0.34879986	0.581	0.423	6.53E-15	4
Snx5.4	5.07E-19	-0.5956146	0.174	0.33	8.34E-15	4
Stat1	5.11E-19	0.46383563	0.289	0.16	8.41E-15	4
Vamp8.3	7.27E-19	-0.4879373	0.186	0.357	1.20E-14	4
Rps27l.2	1.18E-18	-0.514603	0.158	0.322	1.94E-14	4
Capza2.1	1.46E-18	-0.5279746	0.117	0.271	2.40E-14	4
Ctsa.3	3.95E-18	-0.5452629	0.144	0.297	6.49E-14	4
Arl6ip5	9.09E-18	0.46448128	0.277	0.156	1.49E-13	4
Rps15.1	1.11E-17	0.28672566	0.751	0.667	1.83E-13	4
Ubal2	1.16E-17	0.51872074	0.327	0.204	1.90E-13	4
Arhgef1.1	1.44E-17	0.39898238	0.339	0.202	2.38E-13	4
Smdt1.2	4.03E-17	-0.4602029	0.205	0.366	6.62E-13	4
Btf3.2	4.12E-17	0.29104356	0.71	0.603	6.78E-13	4
Mef2c.2	4.71E-17	-0.6083046	0.113	0.254	7.75E-13	4
Klf6.4	5.03E-17	-0.6513413	0.421	0.541	8.28E-13	4
Syng1.3	7.29E-17	-0.5453309	0.119	0.26	1.20E-12	4
Rel.4	7.33E-17	-0.5928273	0.148	0.293	1.21E-12	4
Rtn4.3	1.23E-16	-0.5158346	0.122	0.263	2.03E-12	4
Tagln2.2	1.52E-16	-0.4567713	0.355	0.502	2.51E-12	4
Snx3.3	1.90E-16	-0.428071	0.208	0.364	3.12E-12	4
Polr2a.1	5.33E-16	0.42981725	0.328	0.204	8.76E-12	4
Pde4b.4	7.43E-16	-0.4545179	0.277	0.431	1.22E-11	4
Ifi27l2a.3	6.51E-15	-0.7425833	0.284	0.414	1.07E-10	4
Rpl17.2	1.33E-14	0.30689014	0.657	0.563	2.18E-10	4
Dad1.2	3.01E-14	0.32657208	0.444	0.314	4.95E-10	4
Birc6	6.19E-14	0.39753099	0.276	0.168	1.02E-09	4
Sdcbp.3	6.71E-14	-0.4590301	0.154	0.286	1.10E-09	4
Serp1.2	7.20E-14	-0.4590621	0.251	0.388	1.18E-09	4
H3f3a.3	9.62E-14	-0.3479707	0.652	0.746	1.58E-09	4
Elf1	9.66E-14	0.41102952	0.317	0.203	1.59E-09	4
Canx.3	1.52E-13	-0.3854513	0.164	0.299	2.51E-09	4

Mbnl1	3.51E-13	0.38820029	0.444	0.33	5.77E-09	4
Psmb8.2	4.34E-13	0.33605357	0.589	0.469	7.14E-09	4
Gng5.3	4.93E-13	-0.3338898	0.479	0.608	8.11E-09	4
Rbm39.3	5.78E-13	0.29941686	0.619	0.523	9.51E-09	4
Tmed10.2	7.68E-13	-0.4052929	0.166	0.296	1.26E-08	4
Nr4a2.1	1.16E-12	0.55269745	0.295	0.193	1.90E-08	4
Serf2.2	3.21E-12	-0.2637665	0.702	0.767	5.28E-08	4
Tgfb1	3.52E-12	-0.3974297	0.208	0.34	5.79E-08	4
Prkar1a	4.13E-12	0.39022978	0.327	0.222	6.79E-08	4
Odc1	4.31E-12	0.34541372	0.287	0.181	7.08E-08	4
Fxyd5.4	4.36E-12	0.25023546	0.594	0.453	7.17E-08	4
Capg.2	4.73E-12	-0.4833995	0.151	0.268	7.77E-08	4
Hsp90b1.1	4.90E-12	-0.3936252	0.353	0.486	8.06E-08	4
Ier2.3	6.36E-12	-0.4928122	0.462	0.565	1.05E-07	4
Rpl9.1	6.99E-12	0.26635691	0.695	0.623	1.15E-07	4
Cdk2ap2.3	9.59E-12	0.29535344	0.371	0.256	1.58E-07	4
Atp6v1g1	1.21E-11	-0.3743709	0.179	0.303	1.99E-07	4
Cstb.3	1.31E-11	-0.4297769	0.151	0.267	2.15E-07	4
Ppp1r18.1	1.66E-11	0.3739904	0.355	0.25	2.73E-07	4
Cirbp	1.79E-11	0.31901115	0.258	0.16	2.95E-07	4
Eif3h.2	1.98E-11	0.31634363	0.507	0.4	3.26E-07	4
Anxa6	2.17E-11	0.33465975	0.28	0.181	3.57E-07	4
Ppp1r12a	2.42E-11	0.39787236	0.298	0.199	3.99E-07	4
Eif3e.2	2.76E-11	0.33829984	0.361	0.256	4.54E-07	4
Ccnl1.3	3.35E-11	-0.3952395	0.195	0.317	5.51E-07	4
Nsa2.1	7.84E-11	0.32537985	0.51	0.415	1.29E-06	4
Rpl10.1	1.01E-10	-0.2593964	0.579	0.686	1.66E-06	4
Gstp1.2	1.07E-10	0.30323242	0.397	0.288	1.76E-06	4
Prdx5.2	1.15E-10	-0.3907968	0.224	0.346	1.89E-06	4
Atp6v0c.3	1.25E-10	-0.4113511	0.326	0.433	2.06E-06	4
Arpc1b.2	1.76E-10	-0.2824446	0.529	0.632	2.90E-06	4
Ezr.3	2.71E-10	0.33406247	0.328	0.228	4.45E-06	4
Psme2.3	3.21E-10	0.33800022	0.425	0.326	5.28E-06	4
Psme1.2	3.44E-10	0.31250573	0.496	0.396	5.67E-06	4
Dbi.1	3.84E-10	-0.3026712	0.182	0.302	6.32E-06	4
Sp100.1	5.17E-10	0.3139983	0.308	0.21	8.51E-06	4
Ighm.2	6.18E-10	-0.7969523	0.315	0.424	1.02E-05	4
Ube2i	1.05E-09	0.30396654	0.323	0.226	1.73E-05	4
Psmb3.2	1.20E-09	0.33338927	0.355	0.262	1.97E-05	4
Rgs10.4	1.28E-09	-0.3644669	0.177	0.285	2.11E-05	4
Ncl.2	1.44E-09	0.2712968	0.465	0.366	2.38E-05	4
Atp1b3	1.60E-09	0.35906479	0.283	0.194	2.64E-05	4
Ldha.2	2.08E-09	0.31126076	0.428	0.331	3.42E-05	4

Aldoa.2	2.27E-09	0.29383584	0.455	0.358	3.74E-05	4
Arl6ip1.1	2.64E-09	0.3240508	0.431	0.332	4.34E-05	4
Gpr132.2	5.22E-09	0.33739391	0.305	0.217	8.59E-05	4
H2-K1.8	4.35E-34	0.60056299	0.978	0.84	7.16E-30	12
Ptpn6.3	1.44E-08	-0.3677794	0.172	0.267	0.00023656	4
Itgb7.1	2.28E-08	0.27867315	0.262	0.18	0.00037462	4
Eif5	2.74E-08	0.30468937	0.358	0.273	0.00045069	4
Eef1d.1	4.39E-08	0.2540311	0.49	0.404	0.00072154	4
Vps28	4.49E-08	0.33109496	0.268	0.189	0.00073879	4
Npc2.3	7.23E-08	-0.2796906	0.435	0.519	0.00119004	4
Itgb2.3	7.54E-08	0.28010995	0.343	0.26	0.00124031	4
Socs3.4	8.65E-08	-0.4095604	0.198	0.287	0.00142361	4
Lgals1.2	9.52E-08	-0.3446556	0.308	0.412	0.00156555	4
Nop53	1.34E-07	0.26287267	0.287	0.205	0.00220792	4
Ndfip1	1.85E-07	0.34531089	0.365	0.291	0.00303886	4
Sri.1	2.72E-07	0.29653041	0.326	0.246	0.00447244	4
Serbp1.2	2.84E-07	0.25236811	0.455	0.379	0.00466405	4
Ypel3.2	3.17E-07	0.27714593	0.383	0.298	0.00522119	4
Gsta4.1	3.96E-07	0.29540272	0.296	0.219	0.0065172	4
Laptm4a.2	4.18E-07	-0.2863563	0.191	0.28	0.00687109	4
Rbms1.3	8.80E-07	-0.2911938	0.179	0.264	0.01448136	4
Ctsd.4	1.02E-06	-0.4100319	0.217	0.297	0.01672139	4
Psmb1.2	1.02E-06	0.2609528	0.383	0.305	0.01683854	4
Prrc2c	1.18E-06	0.28637919	0.348	0.27	0.01942699	4
Ppp1cc	1.19E-06	0.32782195	0.274	0.203	0.01955087	4
Apbb1ip	1.36E-06	0.29246947	0.268	0.196	0.02229151	4
Ddx3x.3	2.17E-06	-0.2980054	0.194	0.275	0.03569474	4
Park7.1	3.53E-06	0.25781241	0.331	0.259	0.05801497	4
Nap1l1.1	6.90E-06	-0.2655237	0.189	0.268	0.11341895	4
Cct2	7.34E-06	0.25187561	0.251	0.186	0.12074744	4
Sqstm1.2	8.78E-06	-0.2901269	0.306	0.389	0.14450344	4
Tuba1b	1.02E-05	-0.3055352	0.248	0.327	0.16781698	4
Ptp4a2.2	2.48E-05	-0.2778342	0.233	0.304	0.40799203	4
Anxa2.4	2.55E-05	-0.3081251	0.213	0.281	0.41978201	4
Igkv1-117	4.03E-05	-1.1431288	0.273	0.197	0.66232183	4
Akr1b3	5.15E-05	0.28639192	0.265	0.207	0.84775361	4
Dnaja1.1	5.65E-05	0.26196844	0.308	0.251	0.92938284	4
Lsp1.4	5.78E-05	-0.3472633	0.355	0.4	0.95109532	4
Klf2.3	0.00083669	-0.2787714	0.559	0.598	1	4
Cd79a.4	0.00971924	-0.6157789	0.236	0.253	1	4
Chil3	0	2.21125505	0.33	0.002	0	5
Thbs1	0	2.1447133	0.481	0.015	0	5
Plac8	4.47E-308	2.10492597	0.766	0.132	7.34E-304	5

Gngt2	0	2.02542473	0.627	0.073	0	5
Msrb1	0	1.98133707	0.663	0.084	0	5
Hp	0	1.63564917	0.387	0.003	0	5
Ly6c2	6.05E-215	1.57318114	0.4	0.039	9.96E-211	5
Lyz2.5	1.25E-183	1.55911005	0.989	0.529	2.05E-179	5
Ace	0	1.55554308	0.319	0.003	0	5
Ifitm3.5	1.73E-196	1.54060813	0.96	0.463	2.84E-192	5
Gsr	5.07E-277	1.4643368	0.445	0.037	8.34E-273	5
Lst1.1	5.91E-195	1.4238104	0.681	0.147	9.72E-191	5
Il1b.4	1.57E-141	1.42285622	0.733	0.215	2.58E-137	5
Cebpb.5	2.11E-172	1.41777715	0.838	0.299	3.47E-168	5
Ifitm6.1	7.88E-192	1.41684111	0.562	0.1	1.30E-187	5
Sirpb1c	0	1.3928211	0.411	0.006	0	5
Ms4a6c.3	3.47E-156	1.35633028	0.692	0.201	5.70E-152	5
Pglyrp1	6.24E-57	1.308631	0.27	0.068	1.03E-52	5
Prdx5.3	1.54E-120	1.30491913	0.746	0.311	2.53E-116	5
Cd300a	9.73E-194	1.27568882	0.465	0.064	1.60E-189	5
Plaur	5.71E-152	1.25394168	0.458	0.08	9.39E-148	5
Gm9733	0	1.25377666	0.315	0.004	0	5
Lgals3.4	5.52E-140	1.24937281	0.809	0.322	9.09E-136	5
Fgr	9.42E-184	1.20662853	0.389	0.046	1.55E-179	5
Cybb.3	7.66E-146	1.19917183	0.809	0.3	1.26E-141	5
Ifitm2.5	1.46E-141	1.19589453	0.874	0.362	2.40E-137	5
Cd300c2	1.25E-159	1.18742276	0.445	0.072	2.06E-155	5
Clec4a3	1.47E-151	1.13258231	0.497	0.093	2.41E-147	5
Alox5ap.5	2.95E-127	1.12238193	0.854	0.37	4.86E-123	5
Fyb.4	6.88E-121	1.11616449	0.692	0.223	1.13E-116	5
Cdk2ap2.4	3.50E-84	1.10957212	0.629	0.244	5.75E-80	5
Fn1	3.07E-144	1.10303886	0.413	0.064	5.05E-140	5
Tyrobp.5	5.11E-160	1.09948648	0.978	0.586	8.41E-156	5
Slc16a3	1.88E-210	1.07027488	0.285	0.018	3.09E-206	5
Nfil3	1.27E-110	1.03747894	0.42	0.088	2.08E-106	5
Taldo1.2	1.34E-93	1.03673164	0.663	0.256	2.20E-89	5
Lrp1	6.03E-102	1.01288649	0.461	0.113	9.91E-98	5
Emilin2	6.05E-150	1.0123271	0.355	0.046	9.96E-146	5
Ceacam1	9.16E-164	1.01181398	0.267	0.022	1.51E-159	5
Gpx1.5	8.32E-133	1.01122454	0.984	0.695	1.37E-128	5
Smpdl3a	8.78E-79	1.01085984	0.463	0.142	1.44E-74	5
Fcer1g.4	7.07E-141	1.00930653	0.982	0.553	1.16E-136	5
Spi1.4	4.50E-83	0.99552401	0.67	0.283	7.39E-79	5
Cd44.1	1.40E-61	0.97418562	0.483	0.175	2.30E-57	5
Sat1.5	1.75E-63	0.96902279	0.667	0.32	2.88E-59	5
Psap.3	7.87E-122	0.96734699	0.962	0.659	1.29E-117	5

Adgre5.3	5.01E-77	0.96021301	0.584	0.221	8.25E-73	5
Rnf149	4.30E-84	0.95378165	0.373	0.088	7.07E-80	5
Ncf2	5.18E-79	0.95159457	0.494	0.156	8.53E-75	5
Ctss.3	5.17E-102	0.95007058	0.856	0.48	8.50E-98	5
Ms4a4c	4.81E-104	0.94484851	0.326	0.056	7.92E-100	5
Hck	2.85E-86	0.94224328	0.353	0.078	4.70E-82	5
Irf7	2.95E-91	0.93355007	0.27	0.043	4.85E-87	5
Sgk1	1.03E-76	0.92730786	0.261	0.048	1.69E-72	5
Ifi27l2a.4	2.25E-59	0.92257315	0.708	0.384	3.70E-55	5
Cx3cr1	2.35E-117	0.91556283	0.335	0.051	3.87E-113	5
Cdkn1a.2	7.44E-76	0.91550922	0.578	0.21	1.22E-71	5
Mgst1	7.57E-85	0.90943365	0.342	0.072	1.24E-80	5
Plbd1.4	5.16E-86	0.90192976	0.618	0.218	8.48E-82	5
Tpd52	6.35E-83	0.89442214	0.483	0.142	1.04E-78	5
Samhd1	3.19E-71	0.89336735	0.643	0.279	5.25E-67	5
Prkcd	4.88E-77	0.88724095	0.503	0.164	8.02E-73	5
Ccr2.1	7.55E-59	0.88283165	0.492	0.184	1.24E-54	5
Tnfrsf1b	3.78E-57	0.88073965	0.346	0.101	6.21E-53	5
Itgal	3.24E-57	0.86263195	0.351	0.104	5.33E-53	5
Ms4a4a.1	9.73E-75	0.84488317	0.351	0.084	1.60E-70	5
Stk10	5.80E-52	0.84424529	0.393	0.135	9.54E-48	5
Flna.3	1.93E-59	0.84270172	0.62	0.279	3.18E-55	5
Fxyd5.5	4.12E-74	0.83340744	0.793	0.445	6.77E-70	5
Nfam1.1	1.03E-54	0.83006763	0.384	0.125	1.69E-50	5
Mpeg1.1	2.66E-65	0.82772374	0.51	0.185	4.37E-61	5
Cyp4f18	8.55E-69	0.81965896	0.319	0.075	1.41E-64	5
Tkt.1	2.42E-56	0.81587978	0.499	0.199	3.99E-52	5
Gm36161	5.61E-80	0.81485442	0.339	0.075	9.24E-76	5
Anxa2.5	1.31E-54	0.81427651	0.578	0.257	2.16E-50	5
Itga4.1	3.13E-68	0.80170804	0.535	0.194	5.14E-64	5
Clec4a1.1	9.17E-66	0.79866519	0.375	0.105	1.51E-61	5
Cyba.2	2.97E-100	0.79220907	0.962	0.703	4.89E-96	5
Tnfrsf1a.1	1.81E-55	0.79017992	0.42	0.145	2.98E-51	5
Pou2f2.1	1.65E-38	0.78850077	0.425	0.182	2.71E-34	5
Ptpre.1	2.89E-46	0.78568173	0.371	0.132	4.75E-42	5
Ear2.1	3.30E-36	0.76483335	0.252	0.079	5.43E-32	5
Gm21188	1.83E-70	0.76156497	0.308	0.069	3.01E-66	5
Rap1a.1	7.38E-49	0.74940747	0.553	0.258	1.21E-44	5
Nadk	1.60E-53	0.74897109	0.326	0.095	2.62E-49	5
Tnfsf13	2.59E-89	0.74657914	0.297	0.052	4.26E-85	5
Irf5.1	2.44E-47	0.73542508	0.409	0.153	4.01E-43	5
Pla2g7.1	7.26E-51	0.73114396	0.346	0.106	1.19E-46	5
Apbb1ip.1	8.99E-48	0.73043828	0.463	0.187	1.48E-43	5

Coro1a.4	2.06E-78	0.72320507	0.924	0.62	3.38E-74	5
S100a4.1	1.57E-50	0.72284878	0.445	0.165	2.59E-46	5
Pirb	1.78E-47	0.7182871	0.351	0.118	2.93E-43	5
Agpat4	1.31E-45	0.71754484	0.265	0.075	2.16E-41	5
Itgb2.4	2.00E-36	0.7116683	0.506	0.253	3.28E-32	5
Rasgrp2	3.72E-44	0.71048822	0.297	0.09	6.12E-40	5
Ccl6.5	1.83E-60	0.70737165	0.773	0.391	3.00E-56	5
Lyn.3	6.23E-47	0.69894492	0.517	0.225	1.03E-42	5
Mrpl33	1.35E-45	0.69131636	0.483	0.203	2.22E-41	5
Myo1g.1	2.95E-35	0.68684491	0.362	0.145	4.85E-31	5
Arpc1b.3	1.37E-64	0.68000174	0.876	0.608	2.25E-60	5
Ifngr1.2	9.47E-46	0.67561676	0.676	0.365	1.56E-41	5
AB124611	3.25E-46	0.67533939	0.357	0.12	5.35E-42	5
Metrn1	2.01E-49	0.67304548	0.306	0.088	3.30E-45	5
Nfe2l2.1	1.07E-35	0.66984722	0.413	0.179	1.76E-31	5
Ptpn1	9.75E-46	0.66638932	0.521	0.23	1.60E-41	5
Plin2	4.19E-42	0.65806298	0.328	0.109	6.90E-38	5
Bin2.1	4.43E-40	0.64178181	0.355	0.129	7.28E-36	5
Csf2ra.1	9.31E-41	0.64107582	0.362	0.132	1.53E-36	5
Rap1b.3	2.54E-33	0.63989058	0.654	0.401	4.18E-29	5
Anxa1	3.89E-29	0.63934792	0.339	0.142	6.39E-25	5
Srgn.3	6.73E-43	0.63686106	0.881	0.66	1.11E-38	5
Tln1.1	1.25E-42	0.63286632	0.703	0.411	2.06E-38	5
Eno1.2	5.14E-42	0.6316999	0.676	0.397	8.45E-38	5
Tgfb1.1	2.98E-35	0.63142699	0.589	0.313	4.89E-31	5
Fmnl1.1	2.64E-37	0.63091658	0.454	0.201	4.34E-33	5
Calm1.1	3.54E-38	0.62708866	0.874	0.707	5.83E-34	5
Degs1	2.62E-41	0.621512	0.292	0.092	4.32E-37	5
Gda	1.41E-31	0.6202545	0.301	0.112	2.33E-27	5
Msn.3	2.06E-33	0.61921513	0.683	0.42	3.39E-29	5
Rhog	1.27E-32	0.61558013	0.53	0.278	2.09E-28	5
Pld4.4	1.71E-36	0.60887412	0.587	0.31	2.81E-32	5
Pkm.2	2.18E-33	0.60759202	0.551	0.294	3.59E-29	5
Cytip.4	4.64E-36	0.6062288	0.589	0.312	7.63E-32	5
Ucp2.2	1.14E-49	0.60609945	0.831	0.584	1.87E-45	5
H3f3a.4	2.70E-63	0.60502351	0.91	0.728	4.45E-59	5
Psm7.1	5.56E-42	0.60433651	0.611	0.315	9.14E-38	5
Prr13.2	4.70E-22	0.60320126	0.454	0.256	7.72E-18	5
Klf13	1.86E-30	0.60168334	0.348	0.146	3.05E-26	5
Sln5	2.14E-35	0.60011675	0.258	0.082	3.52E-31	5
Emp3.2	2.66E-29	0.58825518	0.654	0.421	4.37E-25	5
Glud1.1	5.50E-35	0.57845375	0.515	0.254	9.05E-31	5
Aprt	9.59E-38	0.56830477	0.375	0.145	1.58E-33	5

Lsp1.5	1.34E-44	0.56760511	0.724	0.377	2.20E-40	5
Tgfb1.4	1.57E-37	0.56266759	0.494	0.22	2.58E-33	5
Vim.4	4.89E-26	0.56223128	0.796	0.612	8.04E-22	5
Il10ra.1	6.93E-26	0.55936572	0.371	0.173	1.14E-21	5
Fam49b.2	2.28E-28	0.55896899	0.526	0.286	3.75E-24	5
Napsa.5	2.35E-38	0.55843459	0.535	0.248	3.86E-34	5
Ptpn6.4	4.02E-28	0.54249389	0.476	0.246	6.61E-24	5
Lrrc25.1	4.34E-37	0.54232962	0.326	0.115	7.14E-33	5
Lrrfip1	8.62E-27	0.54127771	0.339	0.149	1.42E-22	5
Gm2a.5	1.82E-35	0.5412191	0.551	0.27	3.00E-31	5
Coro1b.2	1.44E-26	0.53453459	0.449	0.232	2.37E-22	5
Myo1f	2.69E-24	0.53316208	0.281	0.118	4.43E-20	5
Adipor1	6.27E-23	0.53252786	0.375	0.182	1.03E-18	5
Cd14.4	1.59E-30	0.52936705	0.499	0.246	2.62E-26	5
Sem1.3	1.47E-32	0.52371026	0.773	0.536	2.42E-28	5
Atp1a1.1	1.85E-21	0.51907403	0.409	0.217	3.05E-17	5
Capza2.2	2.43E-27	0.51525227	0.479	0.245	4.00E-23	5
Klf3	2.21E-23	0.51490485	0.344	0.16	3.64E-19	5
S100a6.4	4.76E-43	0.51278422	0.93	0.742	7.83E-39	5
1110008F13Ri	8.66E-23	0.50937222	0.373	0.183	1.42E-18	5
Ccdc12	1.48E-18	0.50829855	0.391	0.218	2.44E-14	5
Gpcpd1	4.33E-15	0.50760949	0.285	0.149	7.12E-11	5
Tmem14c	2.12E-30	0.50759347	0.382	0.166	3.49E-26	5
Clec12a	4.04E-28	0.50130467	0.272	0.102	6.65E-24	5
Atp6v1b2	4.07E-23	0.49704295	0.285	0.122	6.70E-19	5
Cd68.4	4.89E-29	0.49417416	0.506	0.258	8.04E-25	5
Sema4d	3.49E-25	0.49040774	0.283	0.114	5.75E-21	5
Csf2rb	3.78E-21	0.48881633	0.267	0.116	6.22E-17	5
Atox1.4	9.99E-33	0.48671619	0.724	0.44	1.64E-28	5
Npc2.4	7.45E-26	0.48625513	0.692	0.501	1.23E-21	5
Rac1.1	4.98E-26	0.48202683	0.652	0.421	8.19E-22	5
Ms4a6b.1	6.91E-23	0.48007393	0.315	0.139	1.14E-18	5
Ostf1.1	7.94E-19	0.47247012	0.499	0.303	1.31E-14	5
Rhoa	3.69E-24	0.47049643	0.706	0.492	6.07E-20	5
Fam105a	1.01E-27	0.46520682	0.297	0.116	1.66E-23	5
Ccnd3.1	6.39E-22	0.46469391	0.324	0.151	1.05E-17	5
Ctsa.4	1.45E-29	0.46123663	0.53	0.269	2.39E-25	5
Snx20.1	5.12E-23	0.46015228	0.339	0.156	8.42E-19	5
Rassf4.4	7.21E-22	0.45797718	0.436	0.234	1.19E-17	5
Arpc2.3	8.83E-34	0.45795477	0.858	0.655	1.45E-29	5
Sirpa.1	2.84E-25	0.45786187	0.38	0.176	4.67E-21	5
Ptprc.3	6.59E-26	0.45738525	0.667	0.427	1.08E-21	5
Ccl9.5	5.29E-25	0.45588274	0.447	0.221	8.71E-21	5

Ctsz.3	1.58E-21	0.4550949	0.553	0.341	2.60E-17	5
Aup1	6.73E-17	0.44502326	0.373	0.206	1.11E-12	5
Atp6v1e1	1.37E-16	0.44363994	0.254	0.118	2.25E-12	5
Fam96a	1.75E-16	0.4426553	0.263	0.127	2.87E-12	5
Dbi.2	3.30E-22	0.44246392	0.494	0.28	5.43E-18	5
Gstp1.3	2.39E-15	0.44216574	0.465	0.288	3.93E-11	5
Actg1.3	1.10E-42	0.44157392	0.969	0.897	1.81E-38	5
Zeb2.4	3.13E-24	0.43872369	0.519	0.282	5.14E-20	5
Iscu	7.35E-18	0.43598774	0.348	0.182	1.21E-13	5
Il6ra	9.76E-20	0.43523173	0.254	0.109	1.61E-15	5
Creg1.2	1.18E-16	0.43220091	0.362	0.195	1.95E-12	5
Mtpn	2.01E-15	0.43054846	0.285	0.147	3.31E-11	5
Dusp5.3	2.62E-13	0.42861212	0.369	0.222	4.31E-09	5
Lamtor4	7.47E-20	0.42547785	0.387	0.201	1.23E-15	5
Cmpk1	2.88E-20	0.4206722	0.317	0.149	4.73E-16	5
Zyx.4	6.05E-17	0.42043988	0.434	0.253	9.96E-13	5
Ncf4	3.96E-23	0.41996148	0.285	0.12	6.51E-19	5
Rnh1	4.51E-18	0.41454363	0.308	0.152	7.41E-14	5
Ppp1ca.2	5.35E-23	0.4124606	0.596	0.363	8.80E-19	5
Capzb.2	1.02E-19	0.41092119	0.663	0.462	1.67E-15	5
Trim25	7.87E-24	0.41039424	0.294	0.123	1.30E-19	5
Lamp1.5	7.70E-28	0.40947358	0.674	0.399	1.27E-23	5
Iqgap1.1	1.51E-19	0.40836019	0.64	0.429	2.48E-15	5
Arpc3.1	2.41E-24	0.40793271	0.735	0.513	3.96E-20	5
Ly86.2	2.30E-16	0.40792184	0.492	0.308	3.78E-12	5
Nr4a1.2	4.78E-21	0.40700811	0.726	0.492	7.86E-17	5
Laptm4a.3	4.41E-21	0.4045816	0.476	0.26	7.25E-17	5
Fis1.2	2.65E-15	0.40122579	0.463	0.29	4.35E-11	5
Myl12b.4	8.79E-21	0.40087885	0.701	0.496	1.45E-16	5
Pomp.1	1.04E-17	0.39739518	0.51	0.311	1.70E-13	5
Cmtm7	1.16E-15	0.3963588	0.378	0.213	1.91E-11	5
Ikkkb.1	2.20E-17	0.39574184	0.274	0.13	3.63E-13	5
H2afj	1.13E-14	0.39368748	0.542	0.366	1.87E-10	5
Atp6v0c.4	1.82E-16	0.39136711	0.6	0.413	2.99E-12	5
Add3	8.35E-16	0.38771931	0.299	0.153	1.37E-11	5
Esd	3.01E-16	0.38255672	0.342	0.184	4.95E-12	5
Gnb2.1	4.64E-15	0.37936282	0.602	0.417	7.63E-11	5
Fosl2.1	7.12E-15	0.3777536	0.362	0.206	1.17E-10	5
Mia2	6.66E-15	0.37401667	0.279	0.141	1.10E-10	5
Fermt3	3.46E-12	0.37216501	0.303	0.172	5.70E-08	5
Scand1	6.65E-19	0.37065989	0.539	0.324	1.09E-14	5
Anxa5.4	1.81E-18	0.36867516	0.539	0.331	2.98E-14	5
Actr3.2	6.23E-15	0.36694871	0.69	0.515	1.03E-10	5

Slc25a5	2.55E-18	0.36632132	0.521	0.317	4.20E-14	5
Arhgap9	1.32E-15	0.36623567	0.254	0.12	2.17E-11	5
Arpc4.1	3.87E-16	0.36539648	0.526	0.332	6.37E-12	5
Gpr132.3	5.88E-14	0.3650835	0.373	0.215	9.67E-10	5
Laptm5	3.59E-23	0.36438185	0.858	0.642	5.90E-19	5
Pim1.3	1.17E-18	0.36410432	0.652	0.437	1.93E-14	5
Dynll1	1.53E-15	0.36061594	0.483	0.298	2.51E-11	5
Hcls1	8.50E-14	0.35722069	0.389	0.229	1.40E-09	5
Diaph1	1.20E-12	0.35427996	0.31	0.173	1.97E-08	5
Snrpb	1.60E-13	0.35375911	0.436	0.268	2.63E-09	5
Pgam1	2.96E-13	0.35300853	0.283	0.151	4.87E-09	5
Cycs.2	6.60E-11	0.3518684	0.378	0.238	1.09E-06	5
Vsir.1	1.33E-16	0.34780724	0.308	0.152	2.19E-12	5
Ywhab	4.53E-10	0.34631148	0.353	0.224	7.45E-06	5
Tmed5	1.86E-13	0.3442181	0.303	0.165	3.05E-09	5
Cdc42	1.42E-14	0.34144968	0.692	0.529	2.34E-10	5
Pid1.2	4.34E-13	0.33835635	0.261	0.133	7.14E-09	5
Atp1b3.1	5.02E-14	0.33693123	0.346	0.193	8.26E-10	5
B2m.1	7.25E-22	0.33197948	0.935	0.8	1.19E-17	5
Zbtb7a	4.38E-11	0.33021349	0.281	0.157	7.20E-07	5
Xbp1	6.51E-17	0.32781187	0.326	0.164	1.07E-12	5
Asap1	1.72E-15	0.32764583	0.265	0.128	2.83E-11	5
Gapdh.3	3.01E-19	0.32729831	0.856	0.705	4.95E-15	5
H2-Eb1.6	2.42E-55	0.59573926	0.993	0.697	3.98E-51	9
Prdx1.3	4.84E-12	0.32487855	0.542	0.37	7.97E-08	5
Uqcrrf1	6.12E-10	0.32355129	0.357	0.23	1.01E-05	5
Aldh2.2	5.41E-16	0.32281545	0.369	0.197	8.90E-12	5
Arl6ip5.1	2.43E-13	0.32274156	0.297	0.159	4.00E-09	5
Emb.1	9.55E-16	0.32073673	0.36	0.194	1.57E-11	5
Mpc2	6.90E-10	0.31980338	0.319	0.196	1.14E-05	5
Vamp8.4	3.43E-11	0.31583763	0.497	0.333	5.64E-07	5
Tmsb10.4	4.56E-23	0.31505424	0.948	0.776	7.50E-19	5
Plec.1	6.08E-10	0.31466639	0.281	0.163	9.99E-06	5
Ssh2	1.90E-08	0.31299796	0.258	0.156	0.00031251	5
Atp5c1.2	2.50E-11	0.31299525	0.492	0.334	4.11E-07	5
Fcgr3.3	8.65E-14	0.30903562	0.384	0.217	1.42E-09	5
Btg1.4	5.04E-19	0.30850687	0.782	0.56	8.29E-15	5
Nrros.5	1.14E-13	0.30739284	0.452	0.274	1.88E-09	5
Clic1.1	4.57E-13	0.30629646	0.665	0.494	7.53E-09	5
Efhd2.3	1.09E-09	0.30458765	0.429	0.288	1.79E-05	5
Atp6v0d1	1.28E-13	0.30437869	0.279	0.144	2.11E-09	5
Cap1	2.20E-09	0.3016483	0.33	0.203	3.62E-05	5
Aif1.1	6.74E-10	0.30142605	0.319	0.193	1.11E-05	5

Psmb5	6.44E-10	0.30037381	0.324	0.199	1.06E-05	5
Ly6e.3	2.69E-21	0.30022351	0.903	0.741	4.42E-17	5
Chmp2a	9.44E-11	0.29969639	0.306	0.18	1.55E-06	5
Capns1.1	1.24E-10	0.29871681	0.378	0.235	2.04E-06	5
Pycard	7.94E-10	0.29862672	0.321	0.198	1.31E-05	5
Trib1.3	5.62E-12	0.29681778	0.364	0.219	9.24E-08	5
Syk.1	6.94E-11	0.29613821	0.342	0.204	1.14E-06	5
Bax	4.52E-09	0.2956102	0.337	0.217	7.44E-05	5
Cotl1.2	1.33E-10	0.29462175	0.508	0.353	2.19E-06	5
D8Ertd738e	5.27E-09	0.29116978	0.506	0.371	8.67E-05	5
Arhgap30	1.05E-11	0.29112799	0.317	0.18	1.73E-07	5
H13.1	7.24E-10	0.2910284	0.294	0.176	1.19E-05	5
Fam174a	8.85E-08	0.29102228	0.256	0.157	0.0014565	5
Ndufa11	8.95E-12	0.28959614	0.346	0.203	1.47E-07	5
Ywhaz.2	2.74E-09	0.288727	0.649	0.522	4.51E-05	5
Sec61g	9.84E-11	0.28507312	0.49	0.337	1.62E-06	5
Litaf.2	4.12E-10	0.28406452	0.396	0.256	6.78E-06	5
Slfn2.1	3.44E-11	0.28364763	0.353	0.21	5.67E-07	5
Hspa8.1	3.59E-10	0.28235711	0.791	0.721	5.91E-06	5
Ifnar2.1	6.78E-11	0.28134937	0.315	0.183	1.11E-06	5
Arpc5	1.94E-09	0.2804139	0.515	0.371	3.18E-05	5
Tspo.1	7.85E-11	0.28023359	0.582	0.414	1.29E-06	5
Atp2b1.5	3.75E-10	0.28003669	0.49	0.338	6.17E-06	5
Pde4b.5	1.92E-10	0.2799867	0.578	0.408	3.16E-06	5
S100a11.4	1.68E-05	0.27762875	0.526	0.391	0.27655503	5
Atp5l	4.37E-11	0.27602747	0.658	0.507	7.19E-07	5
H2afz.4	3.73E-16	0.27533475	0.762	0.577	6.14E-12	5
Abracl.3	5.50E-12	0.27465066	0.409	0.252	9.05E-08	5
Erp29.3	1.01E-09	0.27241227	0.512	0.358	1.66E-05	5
Csf1r.5	6.35E-31	0.27077296	0.654	0.314	1.04E-26	5
Grk2	1.38E-08	0.27046422	0.283	0.173	0.00022627	5
Reep5	9.61E-12	0.27012237	0.521	0.344	1.58E-07	5
Gnai2.4	1.09E-10	0.26899389	0.692	0.518	1.80E-06	5
Eif3k.3	4.18E-10	0.26739085	0.589	0.434	6.87E-06	5
Ndufc2.1	3.59E-06	0.26724858	0.312	0.219	0.05911577	5
Was	1.23E-09	0.26637636	0.256	0.145	2.03E-05	5
Rbms1.4	9.96E-12	0.26407846	0.409	0.248	1.64E-07	5
Atp6v0b.4	4.97E-13	0.26379441	0.539	0.349	8.18E-09	5
Arf5.2	8.89E-10	0.26236313	0.555	0.403	1.46E-05	5
Serf2.3	6.60E-16	0.26224896	0.872	0.755	1.09E-11	5
Dazap2	1.14E-08	0.26203144	0.449	0.313	0.00018703	5
Stk24	1.01E-06	0.26012271	0.254	0.161	0.01657058	5
Ypel3.3	1.51E-06	0.2599118	0.418	0.299	0.02490118	5

Psmb2	1.22E-08	0.25970635	0.299	0.185	0.00019986	5
Txn1.1	0.0008326	0.25837164	0.321	0.247	1	5
Psm2	2.19E-09	0.25802413	0.351	0.22	3.59E-05	5
Cope	2.23E-09	0.25802218	0.308	0.185	3.67E-05	5
Tspan13	4.21E-09	0.25775113	0.27	0.158	6.93E-05	5
Mob1a	1.55E-08	0.25701108	0.258	0.155	0.00025534	5
Tmbim6	7.87E-09	0.25492928	0.56	0.418	0.00012945	5
Prdx2	3.82E-08	0.25329629	0.333	0.218	0.00062774	5
Atp5f1	5.06E-08	0.2514506	0.472	0.333	0.00083261	5
H2-K1.7	1.31E-42	0.59401041	0.952	0.839	2.16E-38	10
Cnbp.4	0.00657421	-0.2591875	0.402	0.431	1	5
Rps4x.5	2.08E-15	-0.2592502	0.948	0.964	3.42E-11	5
Rpl32.3	4.49E-13	-0.2628852	0.928	0.95	7.39E-09	5
Cd74.5	2.95E-11	-0.2642533	0.771	0.83	4.85E-07	5
Hnrnpa1.2	0.00184923	-0.2678356	0.254	0.305	1	5
Rpsa.4	8.71E-09	-0.2686482	0.944	0.934	0.00014331	5
Tbca	0.00092328	-0.2701412	0.22	0.283	1	5
Rpl36.4	5.74E-12	-0.2733886	0.865	0.902	9.45E-08	5
Clic4.5	0.00261851	-0.2740404	0.2	0.255	1	5
Nol7.2	0.00108153	-0.2798288	0.216	0.273	1	5
Hmgb1.1	0.00037376	-0.2832287	0.369	0.422	1	5
Rps2.3	5.54E-14	-0.2870836	0.921	0.945	9.11E-10	5
Rps6.4	1.42E-08	-0.2888167	0.755	0.772	0.00023301	5
Jak1.2	0.00402927	-0.2908409	0.279	0.322	1	5
H2-T22.2	3.32E-06	0.59032247	0.32	0.157	0.05458064	15
Mif.3	0.0036864	-0.3000179	0.202	0.251	1	5
mt-Co2	2.13E-28	-0.3038808	0.939	0.974	3.50E-24	5
Mbnl1.1	0.00231319	-0.3082039	0.299	0.342	1	5
AY036118.2	0.0086107	-0.3098444	0.784	0.784	1	5
Rpl22l1.3	0.00031019	-0.3106764	0.409	0.444	1	5
Rpl30.2	3.65E-19	-0.3128513	0.917	0.955	6.01E-15	5
Gm8186.1	0.00074217	-0.3137113	0.202	0.261	1	5
S100a10.4	1.81E-05	-0.3242669	0.396	0.464	0.29743905	5
Rps18.4	2.19E-12	-0.3278111	0.845	0.872	3.60E-08	5
Pnrc1.2	5.04E-07	-0.3284698	0.427	0.522	0.008293	5
Rps27.4	6.16E-12	-0.3312819	0.91	0.901	1.01E-07	5
Rpl39.4	1.07E-15	-0.3346088	0.883	0.89	1.76E-11	5
Rps29.1	2.41E-19	-0.3368255	0.867	0.896	3.96E-15	5
Ncl.3	8.82E-05	-0.3402936	0.312	0.378	1	5
mt-Atp6.1	2.88E-15	-0.3408289	0.748	0.8	4.74E-11	5
Npm1.3	2.05E-06	-0.3423922	0.474	0.534	0.03373968	5
Rpl14.4	6.84E-12	-0.3428212	0.784	0.787	1.13E-07	5
mt-Nd4.3	1.61E-10	-0.3473697	0.638	0.706	2.65E-06	5

Eef1d.2	2.62E-05	-0.3487082	0.353	0.415	0.43055714	5
Klf2.4	0.00320997	-0.3507887	0.598	0.594	1	5
H2-K1.4	1.97E-53	0.5746849	0.934	0.838	3.24E-49	7
Junb.3	1.91E-10	-0.3580559	0.834	0.843	3.15E-06	5
Rps24.4	3.44E-27	-0.3580921	0.975	0.988	5.65E-23	5
Rps12.1	2.56E-27	-0.3602324	0.915	0.939	4.22E-23	5
Cltc.5	0.00053102	-0.3634244	0.281	0.334	1	5
Ctsd.5	0.00333803	-0.3637666	0.252	0.293	1	5
Wnk1.1	2.11E-05	-0.3675027	0.184	0.264	0.34762218	5
Rps15a.4	3.71E-21	-0.3744172	0.93	0.952	6.10E-17	5
Atpif1.4	5.80E-06	-0.3746325	0.234	0.32	0.09542721	5
Ppp1r15a.4	3.64E-06	-0.3773244	0.276	0.361	0.05985965	5
Foxp1.2	0.00061645	-0.3776129	0.213	0.269	1	5
Serinc3.5	0.00069694	-0.3865512	0.312	0.36	1	5
mt-Nd3	8.30E-07	-0.3941392	0.231	0.328	0.01365747	5
mt-Co3.1	1.59E-41	-0.3971654	0.942	0.977	2.61E-37	5
mt-Nd4l.3	2.74E-24	-0.3982466	0.865	0.903	4.50E-20	5
Socs3.5	6.78E-05	-0.4033678	0.211	0.283	1	5
Snx5.5	2.80E-05	-0.4115621	0.249	0.321	0.46004336	5
Rps21.3	1.43E-25	-0.4121121	0.825	0.886	2.36E-21	5
Rpl13a.4	4.46E-16	-0.4173367	0.775	0.815	7.34E-12	5
Eef1g.2	3.67E-08	-0.4185199	0.276	0.382	0.00060352	5
Il2rg.4	0.00151918	-0.4235718	0.243	0.287	1	5
Ndfip1.1	2.03E-06	-0.4236376	0.211	0.302	0.03339166	5
mt-Co1.2	1.97E-54	-0.4263527	0.971	0.99	3.24E-50	5
mt-Atp8.3	5.42E-34	-0.4308921	0.888	0.932	8.92E-30	5
Ier2.4	7.84E-05	-0.4311181	0.533	0.557	1	5
Cxcl2.5	0.00297528	-0.4382446	0.207	0.253	1	5
Xist.1	7.08E-10	-0.4435338	0.369	0.481	1.17E-05	5
Rpl36a.4	4.61E-20	-0.4490031	0.683	0.765	7.59E-16	5
Rps20.4	3.94E-38	-0.4513946	0.944	0.974	6.48E-34	5
mt-Nd1.1	5.58E-34	-0.4556455	0.782	0.874	9.19E-30	5
Ptms.3	1.67E-06	-0.4713581	0.204	0.293	0.0274522	5
mt-Cytb.1	6.19E-41	-0.4770631	0.874	0.941	1.02E-36	5
mt-Nd2.2	3.56E-25	-0.4774629	0.676	0.805	5.86E-21	5
Atf3.4	0.00045923	-0.494739	0.499	0.507	1	5
mt-Nd5.2	1.18E-17	-0.5034925	0.546	0.667	1.94E-13	5
Kctd12.4	5.42E-06	-0.5057518	0.306	0.375	0.08910182	5
Lgals1.3	1.07E-05	-0.5097757	0.344	0.406	0.175518	5
Cfp.4	9.07E-06	-0.5175925	0.24	0.316	0.14911718	5
Apoe.5	1.26E-10	-0.5327941	0.793	0.451	2.07E-06	5
Cd83.3	1.40E-09	-0.5366676	0.378	0.476	2.31E-05	5
Tuba1b.1	5.69E-07	-0.5394349	0.236	0.325	0.00936257	5

Gadd45b.4	1.49E-10	-0.5780276	0.128	0.258	2.45E-06	5
Pltp.5	0.00012171	-0.5997755	0.292	0.34	1	5
Zfp36l1.4	1.41E-22	-0.6775381	0.335	0.539	2.32E-18	5
Rplp1.1	6.29E-95	-0.6817406	0.924	0.976	1.03E-90	5
Tubb5.2	2.13E-14	-0.7048167	0.148	0.305	3.51E-10	5
Rpl12.4	5.22E-37	-0.7076119	0.62	0.77	8.59E-33	5
H2-Oa.5	1.09E-16	0.56551159	0.574	0.141	1.79E-12	17
Tnfaip3.4	1.84E-15	-0.7425341	0.173	0.338	3.03E-11	5
Cd37.4	8.07E-13	-0.7501322	0.198	0.337	1.33E-08	5
Fcgrt.4	2.80E-10	-0.802228	0.146	0.263	4.61E-06	5
Txnip.3	2.74E-16	-0.8120062	0.085	0.251	4.50E-12	5
Nfkbiz.4	4.44E-16	-0.8374792	0.299	0.449	7.31E-12	5
AW112010.5	2.79E-06	-0.8717941	0.182	0.266	0.04597272	5
Clec10a.5	6.66E-14	-0.9004687	0.106	0.254	1.10E-09	5
Klf6.5	3.23E-20	-0.9026201	0.387	0.539	5.31E-16	5
Jund.4	3.38E-37	-0.9193135	0.506	0.693	5.56E-33	5
Fosb.4	1.15E-21	-0.9210249	0.337	0.512	1.89E-17	5
Ly6d.4	1.11E-11	-1.0033194	0.189	0.315	1.82E-07	5
Cd81.5	4.72E-29	-1.0134257	0.054	0.299	7.77E-25	5
H2-Q6	1.74E-35	0.55653031	0.32	0.142	2.86E-31	4
Mgl2.5	5.09E-23	-1.092084	0.052	0.257	8.37E-19	5
Marcksl1.4	1.44E-23	-1.1108013	0.245	0.446	2.37E-19	5
Ptprcap.5	4.58E-26	-1.1812853	0.056	0.278	7.54E-22	5
Mrc1.5	3.72E-25	-1.2141185	0.092	0.318	6.11E-21	5
Ighm.3	7.12E-09	-1.2307669	0.328	0.42	0.00011708	5
Selenop.5	0.00039187	-1.2620772	0.452	0.414	1	5
Jun.5	1.32E-22	-1.271612	0.276	0.473	2.18E-18	5
Cbr2.5	2.74E-22	-1.3574425	0.058	0.254	4.51E-18	5
Ccl2.5	1.88E-15	-1.3805883	0.133	0.29	3.10E-11	5
C1qb.5	4.42E-23	-1.426987	0.16	0.364	7.27E-19	5
Egr1.4	2.01E-38	-1.4436427	0.175	0.475	3.31E-34	5
C1qa.5	9.16E-27	-1.6246373	0.115	0.343	1.51E-22	5
Mt1.5	2.67E-33	-1.6904893	0.173	0.43	4.39E-29	5
Cd79a.5	4.34E-22	-1.7049604	0.067	0.262	7.14E-18	5
C1qc.5	1.49E-28	-1.7824048	0.112	0.347	2.46E-24	5
Pf4.5	3.47E-35	-2.2811858	0.049	0.322	5.70E-31	5
Retnla.3	2.74E-15	-2.6108645	0.097	0.251	4.50E-11	5
AC133103.1	0	1.82934118	0.529	0.018	0	6
Ighv1-52	0	1.55174492	0.449	0.018	0	6
Mzb1	1.84E-307	1.60889751	0.684	0.081	3.02E-303	6
Fcrl5	3.19E-307	1.19855821	0.328	0.012	5.24E-303	6
C130026l21Ril	2.98E-260	1.19081899	0.336	0.018	4.90E-256	6
Ms4a1.1	8.99E-258	1.50570949	0.709	0.107	1.48E-253	6

Cd79a.6	3.03E-223	1.3501431	0.927	0.215	4.99E-219	6
Igkv1-117.1	3.31E-207	1.39819449	0.737	0.175	5.45E-203	6
Iglc2.1	1.19E-190	1.38761236	0.614	0.105	1.96E-186	6
Cd79b.1	1.24E-161	1.20911197	0.719	0.17	2.04E-157	6
Fcmr.1	1.41E-150	1.11927532	0.549	0.1	2.31E-146	6
Iglc3.1	3.02E-146	1.18464721	0.521	0.095	4.96E-142	6
Plac8.1	1.05E-145	1.15447416	0.634	0.143	1.73E-141	6
Ighm.4	3.49E-145	0.72001482	0.89	0.389	5.74E-141	6
Myo1e	5.74E-143	1.14198702	0.391	0.055	9.44E-139	6
A530040E14R	3.31E-140	1.05092728	0.311	0.034	5.44E-136	6
Nfatc1	2.21E-134	1.25223997	0.521	0.11	3.63E-130	6
Ly6a.1	9.25E-129	1.27239654	0.612	0.152	1.52E-124	6
Ly6d.5	4.06E-128	1.159419	0.807	0.281	6.67E-124	6
Camk2d	2.99E-126	1.10468419	0.511	0.108	4.92E-122	6
Blk	3.70E-118	0.93751031	0.308	0.04	6.09E-114	6
Spib	1.46E-114	0.92478336	0.263	0.03	2.40E-110	6
Sp140.1	1.27E-113	1.17702956	0.561	0.149	2.09E-109	6
Cd19.1	1.31E-111	0.94359535	0.358	0.057	2.15E-107	6
Cd24a	6.03E-110	1.28632944	0.491	0.117	9.92E-106	6
Iglc1	8.17E-110	0.91724017	0.266	0.032	1.34E-105	6
Ebf1.1	3.19E-97	0.82087388	0.524	0.125	5.24E-93	6
Napsa.6	2.07E-89	1.0143051	0.667	0.243	3.41E-85	6
Tyrobp.6	2.65E-89	-2.3371518	0.123	0.634	4.36E-85	6
Fam43a	2.24E-88	1.13376874	0.386	0.083	3.69E-84	6
Odc1.1	1.67E-87	1.18826274	0.544	0.172	2.75E-83	6
Fcer1g.5	4.15E-85	-2.2201211	0.073	0.604	6.83E-81	6
Cst3.5	3.76E-83	-2.4988448	0.331	0.704	6.18E-79	6
Cd37.5	8.50E-83	0.96176784	0.727	0.308	1.40E-78	6
Cxcr5	5.19E-82	0.8106669	0.261	0.04	8.53E-78	6
H2-Q7.9	1.10E-14	0.55210408	0.484	0.249	1.81E-10	12
Zbtb20	2.04E-81	0.97228408	0.456	0.123	3.35E-77	6
Bank1.1	2.13E-81	0.8895982	0.511	0.144	3.51E-77	6
Lyz2.6	1.13E-77	-3.1071387	0.09	0.579	1.85E-73	6
Vars	6.87E-73	0.90484847	0.411	0.109	1.13E-68	6
Snn	8.09E-71	0.70838217	0.276	0.051	1.33E-66	6
Dok3	9.48E-71	0.84428886	0.336	0.076	1.56E-66	6
Ifitm3.6	1.59E-69	-2.3031332	0.04	0.515	2.61E-65	6
Dnajc7	3.23E-67	0.98354753	0.441	0.136	5.31E-63	6
Gm15987	4.90E-67	0.81569785	0.278	0.057	8.06E-63	6
Igkc.1	4.14E-66	0.31671424	0.501	0.156	6.80E-62	6
Fth1.4	1.16E-65	-0.9371893	0.917	0.96	1.91E-61	6
Ctla4	1.29E-63	0.80287259	0.256	0.05	2.12E-59	6
Zfp36.4	3.75E-62	-1.6231366	0.246	0.631	6.16E-58	6

Ero1lb	1.43E-61	0.87952888	0.303	0.072	2.36E-57	6
Uchl3	1.79E-60	0.82881564	0.313	0.077	2.95E-56	6
Ftl1.5	2.69E-59	-1.2513748	0.82	0.894	4.42E-55	6
Ltb.3	1.71E-57	0.75742871	0.534	0.189	2.81E-53	6
Fos.4	4.15E-56	-1.7285013	0.291	0.638	6.83E-52	6
Tmem176b.4	9.46E-56	-1.7799238	0.048	0.46	1.56E-51	6
Rpl13.4	3.38E-55	0.39035649	0.997	0.981	5.56E-51	6
Ccl6.6	7.99E-55	-2.1754807	0.028	0.433	1.31E-50	6
Alox5ap.6	1.21E-54	-1.7791434	0.013	0.418	1.98E-50	6
Cd72	1.27E-54	0.81351912	0.301	0.076	2.08E-50	6
Sh3bp5	2.50E-54	0.71864047	0.316	0.081	4.11E-50	6
Txnip.4	8.79E-54	0.84252008	0.554	0.225	1.45E-49	6
Dusp1.4	3.31E-53	-1.4333528	0.258	0.624	5.45E-49	6
Ptprcap.6	1.59E-52	0.65195142	0.612	0.247	2.62E-48	6
Rpsa.5	3.32E-52	0.44529532	0.99	0.932	5.47E-48	6
Mt1.6	4.91E-52	-2.3617234	0.045	0.436	8.08E-48	6
Ifitm2.6	5.35E-52	-1.8279239	0.02	0.41	8.79E-48	6
mt-Cytb.2	6.59E-51	0.45494226	0.987	0.934	1.08E-46	6
Itm2b.5	7.72E-51	-1.1125985	0.594	0.798	1.27E-46	6
Siglecg	6.03E-50	0.67479307	0.261	0.062	9.91E-46	6
Tmsb4x.4	7.02E-50	-0.5227399	0.997	0.993	1.15E-45	6
Selenop.6	1.85E-48	-2.4471182	0.063	0.435	3.05E-44	6
Nfkbiz.5	2.48E-48	-1.742773	0.093	0.459	4.08E-44	6
Rps18.5	3.70E-48	0.46892009	0.965	0.865	6.09E-44	6
Ezr.4	4.24E-48	0.77772235	0.521	0.221	6.97E-44	6
mt-Co3.2	9.38E-48	0.35648561	0.992	0.974	1.54E-43	6
Gimap5	3.98E-47	0.61865497	0.288	0.076	6.55E-43	6
Rac2.5	5.35E-47	0.60392213	0.784	0.465	8.80E-43	6
Ctsb.5	2.71E-46	-1.7678907	0.143	0.494	4.46E-42	6
Tnfrsf13b	3.26E-45	0.74599256	0.296	0.085	5.36E-41	6
Rps19.4	4.00E-44	0.42908655	0.975	0.931	6.58E-40	6
C1qb.6	4.43E-44	-2.7601313	0.025	0.37	7.28E-40	6
Swap70.1	8.69E-44	0.71065691	0.373	0.127	1.43E-39	6
Csf1r.6	1.21E-43	-1.8813658	0.008	0.35	1.99E-39	6
Pdia4	1.87E-43	0.68215284	0.386	0.135	3.08E-39	6
Gpx1.6	3.12E-43	-1.1063212	0.546	0.721	5.13E-39	6
mt-Nd4l.4	5.01E-43	0.41845272	0.975	0.897	8.25E-39	6
Egr1.5	8.75E-43	-1.7295205	0.133	0.475	1.44E-38	6
Rpl8.4	8.79E-43	0.38742794	0.982	0.913	1.45E-38	6
Gimap4.1	2.17E-42	0.60541373	0.406	0.143	3.57E-38	6
Junb.4	2.24E-42	-0.6984782	0.682	0.851	3.68E-38	6
Rpl3.4	4.27E-42	0.45018647	0.937	0.832	7.02E-38	6
mt-Atp8.4	8.14E-42	0.37200798	0.972	0.927	1.34E-37	6

Ikzf3	2.70E-41	0.62562184	0.333	0.105	4.44E-37	6
Rps20.5	3.53E-41	0.34021005	0.995	0.971	5.81E-37	6
Cd52.4	5.43E-41	0.54462095	0.917	0.724	8.93E-37	6
H2-Q7.11	1.66E-08	0.54312183	0.524	0.252	0.00027262	16
C1qc.6	6.42E-40	-2.6371775	0.03	0.35	1.06E-35	6
Rps2.4	1.16E-39	0.36510722	0.982	0.942	1.91E-35	6
Pltp.6	1.50E-39	-1.7394018	0.03	0.353	2.47E-35	6
Pold4.1	3.40E-39	0.76720806	0.398	0.155	5.59E-35	6
Rps3a1.4	1.09E-38	0.32551697	0.995	0.962	1.80E-34	6
Wfdc17.5	2.20E-38	-1.6916925	0.03	0.346	3.62E-34	6
Ier3.4	2.50E-38	-1.7637821	0.025	0.342	4.11E-34	6
Nfkbia.4	5.05E-38	-1.2930274	0.253	0.534	8.31E-34	6
Rpl9-ps6.4	5.79E-38	0.37411589	0.972	0.902	9.52E-34	6
Rps8.3	8.76E-38	0.29096542	0.997	0.982	1.44E-33	6
Tmem176a.4	3.31E-37	-1.3848743	0.038	0.349	5.45E-33	6
Pf4.6	8.98E-37	-2.5036306	0.02	0.322	1.48E-32	6
Klf4.5	9.82E-37	-1.6413175	0.08	0.391	1.62E-32	6
Mdh1	2.13E-36	0.73824139	0.444	0.201	3.51E-32	6
C1qa.6	8.26E-36	-2.4109794	0.05	0.345	1.36E-31	6
Mrc1.6	1.44E-35	-1.7184384	0.025	0.321	2.36E-31	6
Cnp	1.77E-35	0.69004064	0.323	0.115	2.92E-31	6
Atp2a3	1.78E-35	0.6363358	0.256	0.076	2.92E-31	6
Pkig	2.60E-35	0.59681056	0.386	0.15	4.28E-31	6
Rpl12.5	2.94E-35	0.41720448	0.912	0.753	4.84E-31	6
mt-Nd5.3	5.31E-35	0.51255678	0.832	0.651	8.73E-31	6
Hvcn1.1	6.83E-35	0.54847036	0.273	0.085	1.12E-30	6
Pou2f2.2	1.93E-34	0.60842403	0.434	0.183	3.18E-30	6
F13a1.5	4.95E-34	-1.7541721	0.01	0.294	8.14E-30	6
Fosb.5	7.05E-34	-1.1091787	0.226	0.517	1.16E-29	6
Ccl2.6	1.06E-33	-2.1823053	0.013	0.295	1.75E-29	6
Rps15a.5	1.51E-33	0.31234138	0.995	0.948	2.49E-29	6
Eef1a1.4	1.53E-33	0.28291081	0.997	0.979	2.52E-29	6
Hist1h1e	2.33E-33	0.66677666	0.276	0.09	3.84E-29	6
Tsc22d3.1	5.49E-33	0.698047	0.429	0.19	9.03E-29	6
Rps7.4	5.99E-33	0.32263795	0.977	0.94	9.85E-29	6
Gpcpd1.1	6.28E-33	0.66541358	0.363	0.145	1.03E-28	6
Capg.3	6.84E-33	0.63536126	0.506	0.245	1.13E-28	6
Npc2.5	1.97E-32	-0.9306395	0.246	0.526	3.23E-28	6
Tagln2.3	4.59E-32	-0.9841606	0.226	0.504	7.55E-28	6
Man1a	2.87E-31	0.61609842	0.396	0.167	4.72E-27	6
Rps5.4	3.06E-31	0.28674937	0.99	0.961	5.03E-27	6
Rpl32.4	3.38E-31	0.2977935	0.985	0.947	5.56E-27	6
Fcgrt.5	5.04E-31	-1.3959371	0.008	0.27	8.29E-27	6

Rilpl2.1	5.63E-31	0.67117187	0.439	0.205	9.27E-27	6
Cd14.5	6.09E-31	-1.5247027	0.01	0.274	1.00E-26	6
Mafb.5	6.15E-31	-1.74054	0.013	0.277	1.01E-26	6
Aldoa.3	6.20E-31	0.59658548	0.619	0.353	1.02E-26	6
Ifngr1.3	7.36E-31	-1.1269664	0.115	0.397	1.21E-26	6
Rps27.5	9.40E-31	0.36366377	0.952	0.899	1.55E-26	6
Vgll4	1.15E-30	0.59350767	0.283	0.1	1.90E-26	6
Rpl14.5	2.55E-30	0.40082777	0.905	0.78	4.20E-26	6
Ctsd.6	2.58E-30	-1.2769616	0.038	0.304	4.25E-26	6
Cxcl2.6	1.65E-29	-2.3403017	0.01	0.263	2.71E-25	6
Tcf4.1	4.11E-29	0.58745416	0.348	0.143	6.77E-25	6
Rgs10.5	7.52E-29	-1.0949295	0.033	0.288	1.24E-24	6
Clec10a.6	9.06E-29	-1.4393432	0.01	0.258	1.49E-24	6
Rpl27a.4	9.64E-29	0.33288082	0.957	0.885	1.59E-24	6
Rps13.4	1.74E-28	0.33801698	0.94	0.825	2.86E-24	6
Hsp90ab1.1	2.91E-28	0.46217274	0.902	0.801	4.79E-24	6
Cd68.5	3.55E-28	-1.1279371	0.033	0.285	5.84E-24	6
Laptm5.1	3.57E-28	-0.6639892	0.439	0.666	5.86E-24	6
Cybb.4	8.78E-28	0.61747545	0.564	0.317	1.44E-23	6
Mgl2.6	1.19E-27	-1.3292162	0.015	0.258	1.96E-23	6
Grn.5	2.38E-27	-1.1818444	0.135	0.389	3.91E-23	6
Rplp0.4	3.01E-27	0.33832137	0.97	0.9	4.96E-23	6
Rpl19.4	6.57E-27	0.27667304	0.987	0.953	1.08E-22	6
Ptpn6.5	6.65E-27	0.62132839	0.474	0.247	1.09E-22	6
Rps9.1	8.74E-27	0.27501327	0.987	0.962	1.44E-22	6
Rps26.4	1.02E-26	0.30102051	0.977	0.932	1.67E-22	6
Rpl10a.4	2.63E-26	0.36154236	0.917	0.861	4.32E-22	6
Ier2.5	3.43E-26	-0.8421959	0.336	0.568	5.64E-22	6
Psap.4	4.87E-26	-0.9238527	0.589	0.681	8.01E-22	6
Lamp1.6	5.49E-26	-0.9803985	0.183	0.426	9.03E-22	6
Macf1.3	6.80E-26	0.56123079	0.456	0.234	1.12E-21	6
Fyb.5	9.83E-26	-1.0563015	0.028	0.262	1.62E-21	6
Rpl18a.4	1.30E-25	0.26609253	0.985	0.961	2.14E-21	6
Zfp36l2.2	1.69E-25	-0.9758997	0.143	0.392	2.78E-21	6
Plp2.1	2.18E-25	0.54083185	0.336	0.146	3.59E-21	6
Rpl29.4	3.10E-25	0.31470163	0.93	0.853	5.10E-21	6
Foxp1.3	3.46E-25	0.52915343	0.481	0.255	5.69E-21	6
Cd2.1	6.87E-25	0.50534128	0.288	0.112	1.13E-20	6
Blnk	8.17E-25	0.53439081	0.296	0.118	1.34E-20	6
Rpl30.3	8.33E-25	0.25601172	0.982	0.952	1.37E-20	6
Rps11.3	9.12E-25	0.26863225	0.985	0.966	1.50E-20	6
Zyx.5	1.28E-24	-0.9603502	0.043	0.275	2.11E-20	6
Ly6e.4	1.55E-24	0.32250057	0.927	0.741	2.55E-20	6

Lyn.4	2.29E-24	0.54821522	0.444	0.231	3.77E-20	6
Gadd45b.5	2.39E-24	-1.1131526	0.038	0.262	3.94E-20	6
Socs3.6	2.47E-24	-1.0631097	0.058	0.291	4.06E-20	6
Crip1.4	6.11E-24	-0.843414	0.604	0.727	1.00E-19	6
Gimap1	7.41E-24	0.4231328	0.256	0.094	1.22E-19	6
Lgals1.4	8.96E-24	-0.9578855	0.175	0.415	1.47E-19	6
Rpl18.3	1.15E-23	0.2855475	0.972	0.921	1.89E-19	6
Atox1.5	1.78E-23	-0.8625223	0.248	0.467	2.92E-19	6
Rpl35.3	2.49E-23	0.28855019	0.972	0.922	4.09E-19	6
Il1b.5	2.54E-23	-1.7632844	0.038	0.255	4.18E-19	6
Rps3.4	4.10E-23	0.27457633	0.97	0.91	6.74E-19	6
Rpl36.5	7.48E-23	0.30509869	0.952	0.897	1.23E-18	6
Cd83.4	8.59E-23	0.48237622	0.702	0.458	1.41E-18	6
Lgals3.5	1.20E-22	-0.9789214	0.128	0.361	1.98E-18	6
Vim.5	3.57E-22	-0.6824921	0.426	0.633	5.87E-18	6
Btg2.4	7.25E-22	-0.5620551	0.511	0.679	1.19E-17	6
Lgmn.5	7.43E-22	-1.0866815	0.073	0.29	1.22E-17	6
Gimap6.2	8.89E-22	0.33261278	0.393	0.181	1.46E-17	6
Efhd2.4	1.44E-21	-0.8634735	0.088	0.307	2.37E-17	6
Ninj1.5	1.80E-21	-1.086699	0.045	0.253	2.96E-17	6
Arf6.2	4.02E-21	0.53692224	0.431	0.235	6.61E-17	6
Hexa.4	4.16E-21	-0.9332519	0.088	0.302	6.84E-17	6
Zeb2.5	4.31E-21	-0.9405723	0.093	0.306	7.09E-17	6
Rpl13a.5	4.87E-21	0.31557277	0.89	0.809	8.01E-17	6
Ahnak.5	8.15E-21	-0.8026932	0.376	0.556	1.34E-16	6
App.4	1.56E-20	-0.8791489	0.073	0.284	2.57E-16	6
Rpl26.3	3.35E-20	0.28587793	0.952	0.896	5.51E-16	6
Rps12.2	3.46E-20	0.27962906	0.952	0.937	5.69E-16	6
Npm1.4	8.26E-20	0.48983305	0.694	0.522	1.36E-15	6
Rpl11.4	9.44E-20	0.25688967	0.955	0.925	1.55E-15	6
Rpl36a.5	1.05E-19	0.34927637	0.842	0.756	1.73E-15	6
Syk.2	1.26E-19	0.49252393	0.391	0.202	2.07E-15	6
H2-T23.1	1.21E-05	0.54102726	0.625	0.22	0.19853968	20
Ifi2712a.5	2.62E-19	-1.21411	0.228	0.412	4.31E-15	6
Fxyd5.6	3.03E-19	-0.7500435	0.286	0.475	4.98E-15	6
Malat1.3	3.07E-19	0.32632359	0.955	0.935	5.05E-15	6
Anxa5.5	3.52E-19	-0.7632106	0.14	0.353	5.79E-15	6
Cbr2.6	3.61E-19	-1.2909623	0.063	0.252	5.93E-15	6
Mif4gd	5.51E-19	0.45992708	0.263	0.113	9.06E-15	6
Emp3.3	6.03E-19	-0.6857058	0.233	0.444	9.92E-15	6
Jun.6	8.66E-19	-1.3157876	0.296	0.471	1.42E-14	6
Anxa2.6	9.53E-19	-0.8806512	0.085	0.285	1.57E-14	6
Marcks.5	9.93E-19	-0.8803211	0.143	0.342	1.63E-14	6

Ctsa.5	1.16E-18	-0.8171087	0.095	0.294	1.91E-14	6
Stk17b.4	1.94E-18	0.4472479	0.619	0.427	3.18E-14	6
Rpl39.5	2.09E-18	0.27602279	0.947	0.887	3.44E-14	6
Rpl6.4	2.11E-18	0.25383812	0.962	0.893	3.47E-14	6
Eef2.4	2.11E-18	0.348958	0.855	0.725	3.48E-14	6
Tnfaip3.5	5.34E-18	-0.7629616	0.13	0.339	8.78E-14	6
Rab4b	7.63E-18	0.42946326	0.261	0.116	1.25E-13	6
Aldh2.3	8.96E-18	0.48639955	0.373	0.198	1.47E-13	6
Eef1g.3	9.39E-18	0.41468473	0.569	0.365	1.54E-13	6
Kmt2e.2	2.68E-17	0.4498003	0.446	0.261	4.41E-13	6
Serf2.4	4.34E-17	-0.4072051	0.682	0.766	7.13E-13	6
Gm26917.1	7.03E-17	0.61456461	0.571	0.392	1.16E-12	6
Ppdpf.1	7.12E-17	0.480197	0.338	0.177	1.17E-12	6
Prkcb	8.51E-17	0.422058	0.296	0.141	1.40E-12	6
Klf6.6	1.02E-16	-0.7783492	0.373	0.539	1.67E-12	6
Serp1.3	2.13E-16	0.41715209	0.564	0.366	3.50E-12	6
Ehd4.5	2.28E-16	-0.7852679	0.095	0.276	3.75E-12	6
Myl6.2	2.99E-16	-0.4826021	0.521	0.66	4.91E-12	6
Mcl1.5	3.71E-16	-0.7263985	0.258	0.436	6.10E-12	6
Atf3.5	8.52E-16	-0.8137434	0.351	0.515	1.40E-11	6
Ncf1	1.10E-15	0.41219625	0.283	0.138	1.81E-11	6
Cfp.5	1.66E-15	-0.8389885	0.145	0.321	2.73E-11	6
Arhgdib.4	2.74E-15	0.33204339	0.734	0.588	4.51E-11	6
Rpl22.2	4.64E-15	0.25477827	0.89	0.824	7.63E-11	6
Srsf11	1.01E-14	0.41792584	0.321	0.172	1.66E-10	6
Gimap3.1	1.04E-14	0.32816713	0.311	0.155	1.71E-10	6
Sub1.3	1.07E-14	0.39553531	0.627	0.455	1.76E-10	6
Ncf4.1	1.40E-14	0.39839824	0.256	0.122	2.31E-10	6
H2afz.5	2.14E-14	-0.623084	0.469	0.594	3.52E-10	6
Rrbp1.4	2.36E-14	-0.6213804	0.178	0.357	3.88E-10	6
Rel.5	2.76E-14	0.43445664	0.439	0.272	4.54E-10	6
Gstm1.4	2.92E-14	0.32634133	0.799	0.637	4.80E-10	6
Hspa4	5.45E-14	0.41800953	0.353	0.199	8.97E-10	6
Rpl4.4	1.85E-13	0.3139048	0.769	0.638	3.04E-09	6
Rps6.5	2.08E-13	0.255295	0.862	0.767	3.43E-09	6
Tgif1	2.95E-13	0.39297032	0.256	0.128	4.85E-09	6
Smim14.1	3.64E-13	0.39324606	0.318	0.175	5.98E-09	6
Sem1.4	4.29E-13	-0.4962134	0.416	0.556	7.06E-09	6
Selplg.4	4.39E-13	-0.6493719	0.15	0.314	7.22E-09	6
B2m.2	4.53E-13	-0.342376	0.727	0.812	7.45E-09	6
Eef1d.3	6.86E-13	0.36336683	0.571	0.403	1.13E-08	6
Sept1.1	7.65E-13	0.27621828	0.308	0.161	1.26E-08	6
Coro1a.5	8.86E-13	0.27208797	0.802	0.628	1.46E-08	6

Bri3.5	9.04E-13	-0.5681203	0.213	0.38	1.49E-08	6
Uvrag	1.25E-12	0.38734843	0.303	0.166	2.05E-08	6
Nrros.6	1.47E-12	-0.6594148	0.138	0.292	2.41E-08	6
Hmgn1.1	1.77E-12	0.36904393	0.378	0.221	2.91E-08	6
Marcksl1.5	1.87E-12	-0.89003	0.308	0.442	3.08E-08	6
H2afy.4	2.25E-12	-0.6483403	0.11	0.26	3.70E-08	6
Rpl5.3	2.42E-12	0.26776541	0.822	0.711	3.98E-08	6
H2-D1.11	2.13E-08	0.53665943	1	0.89	0.00035028	18
Ehd1.1	3.98E-12	0.31726786	0.331	0.187	6.54E-08	6
Tspo.2	5.68E-12	-0.4789976	0.276	0.431	9.35E-08	6
Naca.3	5.70E-12	0.28645181	0.757	0.653	9.38E-08	6
Rpl21.4	5.87E-12	0.28354878	0.789	0.671	9.66E-08	6
Zfp706	6.44E-12	0.41610946	0.466	0.316	1.06E-07	6
Ptms.4	7.09E-12	-0.5954415	0.143	0.296	1.17E-07	6
Ctsc.5	1.28E-11	-0.751933	0.288	0.422	2.10E-07	6
Wdfy4.1	1.57E-11	0.2530058	0.256	0.132	2.59E-07	6
Eif3i.2	1.64E-11	0.42441357	0.404	0.259	2.70E-07	6
Csk	1.97E-11	0.32187409	0.341	0.197	3.24E-07	6
Tmod3	2.02E-11	0.34951306	0.273	0.147	3.33E-07	6
Gnai2.5	2.24E-11	-0.4789454	0.401	0.535	3.68E-07	6
Gdi2.1	2.27E-11	0.38392992	0.519	0.367	3.73E-07	6
Eif3f.4	2.59E-11	0.2691111	0.739	0.611	4.27E-07	6
Zfand5.4	2.74E-11	-0.6474458	0.128	0.269	4.50E-07	6
Ly86.3	3.74E-11	0.32780838	0.474	0.31	6.16E-07	6
Gmfg	3.87E-11	-0.4868952	0.193	0.35	6.36E-07	6
Atp6v0b.5	4.27E-11	-0.5689333	0.226	0.367	7.02E-07	6
Rbm3.2	5.26E-11	0.29856313	0.679	0.546	8.65E-07	6
Atpif1.5	8.88E-11	-0.5543912	0.183	0.322	1.46E-06	6
Gns.1	1.09E-10	0.35221679	0.273	0.152	1.79E-06	6
Kdm6b.5	1.19E-10	-0.5844035	0.175	0.319	1.95E-06	6
Ppm1g	1.33E-10	0.41560883	0.261	0.146	2.18E-06	6
Ctss.4	1.95E-10	-0.4958283	0.378	0.508	3.21E-06	6
Neat1.5	2.07E-10	-0.7311298	0.201	0.333	3.41E-06	6
Gng5.4	2.48E-10	-0.3868517	0.504	0.602	4.08E-06	6
H2-T22	1.74E-23	0.53319329	0.286	0.147	2.86E-19	4
Ptpn1.1	3.33E-10	0.34257947	0.378	0.239	5.47E-06	6
Tmem123	3.39E-10	0.29491763	0.273	0.151	5.58E-06	6
Cebpb.6	3.44E-10	-0.6904218	0.203	0.336	5.66E-06	6
Kctd12.5	5.13E-10	-0.5863457	0.241	0.378	8.43E-06	6
Msn.4	5.29E-10	0.31694487	0.576	0.427	8.70E-06	6
Nol7.3	6.86E-10	0.31151036	0.404	0.263	1.13E-05	6
S100a6.5	7.77E-10	-0.3643697	0.727	0.754	1.28E-05	6
Rhog.1	1.04E-09	-0.4870264	0.165	0.299	1.71E-05	6

Itgb2.5	1.16E-09	-0.5633469	0.143	0.274	1.92E-05	6
Serbp1.3	1.29E-09	0.34884065	0.514	0.378	2.12E-05	6
Hnrnpa1.3	1.35E-09	0.33460253	0.436	0.295	2.22E-05	6
Gm2a.6	3.60E-09	-0.5807561	0.168	0.293	5.92E-05	6
Spi1.5	4.20E-09	-0.5136943	0.185	0.312	6.92E-05	6
Akr1a1.4	4.82E-09	-0.4616868	0.228	0.359	7.93E-05	6
AY036118.3	4.90E-09	0.61899065	0.872	0.779	8.06E-05	6
Sat1.6	5.89E-09	-0.5502644	0.221	0.346	9.68E-05	6
Snx3.4	6.63E-09	-0.4449217	0.228	0.357	0.00010901	6
Add3.1	7.41E-09	0.28522019	0.266	0.156	0.00012182	6
Clta.5	7.77E-09	-0.4276394	0.456	0.554	0.00012776	6
Apobec3.1	8.05E-09	0.36462001	0.301	0.187	0.00013239	6
Luc7l2	8.05E-09	0.33289619	0.356	0.234	0.0001324	6
Nop10.1	8.61E-09	0.294257	0.393	0.263	0.00014171	6
Prpf8	9.16E-09	0.34048126	0.263	0.157	0.00015072	6
Thrap3	9.40E-09	0.32447031	0.268	0.16	0.0001546	6
Ccnl1.4	9.79E-09	-0.4624827	0.183	0.313	0.00016097	6
Rnaset2a.3	1.43E-08	-0.4487792	0.16	0.285	0.00023597	6
Vamp8.5	1.59E-08	-0.4527941	0.223	0.348	0.00026118	6
Dbi.3	1.66E-08	-0.4605909	0.175	0.298	0.00027373	6
Tubb4b	1.98E-08	0.27386259	0.266	0.156	0.00032651	6
Nap1l1.2	2.04E-08	0.30461382	0.376	0.255	0.0003354	6
Arf5.3	2.04E-08	-0.4224289	0.296	0.418	0.00033584	6
Gltp.2	2.21E-08	-0.4879584	0.145	0.264	0.00036433	6
Ppp1r15a.5	2.34E-08	-0.3878497	0.228	0.363	0.00038481	6
Hnrnpa2b1.1	2.61E-08	0.27885729	0.677	0.547	0.00042941	6
Eif4a2	2.61E-08	0.31945622	0.256	0.152	0.00042996	6
Atp5b.2	2.72E-08	0.29427629	0.484	0.353	0.0004476	6
Rpl17.3	2.84E-08	0.26222288	0.679	0.566	0.00046776	6
Gsta4.2	3.30E-08	0.34446222	0.338	0.219	0.0005427	6
Eif5a.2	3.69E-08	0.27589901	0.551	0.417	0.00060654	6
Sp100.2	4.93E-08	0.26196324	0.331	0.212	0.00081015	6
Zfp106	5.01E-08	0.29071113	0.263	0.159	0.00082447	6
Eif4b	6.87E-08	0.27867214	0.303	0.192	0.00113001	6
Rtn4.4	1.23E-07	-0.4701447	0.145	0.256	0.00202388	6
Man2b1.4	1.25E-07	-0.4359156	0.188	0.305	0.00205075	6
Atp6v0c.5	1.31E-07	-0.4718875	0.323	0.429	0.00215287	6
Ncl.4	1.73E-07	0.33881035	0.486	0.369	0.0028489	6
Nme2.2	1.79E-07	0.25541444	0.647	0.546	0.00294385	6
Tnfaip8	2.02E-07	0.33559637	0.283	0.179	0.00332376	6
Cstb.4	2.15E-07	-0.4464438	0.153	0.263	0.00353231	6
Rac1.2	2.32E-07	-0.3767023	0.333	0.439	0.00381583	6
Psmb9.2	2.61E-07	0.34663943	0.346	0.236	0.00428864	6

Prrc2c.1	2.91E-07	0.28429056	0.383	0.271	0.00478849	6
Selenok	5.10E-07	-0.4290922	0.266	0.367	0.00838982	6
Reep5.1	8.72E-07	-0.3340294	0.243	0.36	0.01434751	6
Calr	9.02E-07	-0.3660766	0.226	0.342	0.01483973	6
Vdac2	1.07E-06	0.27227147	0.331	0.224	0.01763477	6
Ier5.4	1.08E-06	-0.377616	0.263	0.377	0.01783514	6
Psme1.3	1.11E-06	0.27126697	0.526	0.398	0.01827531	6
Sdcbp.4	1.12E-06	-0.424846	0.178	0.28	0.01847307	6
Ccnd2.1	1.28E-06	0.28322633	0.298	0.2	0.02105326	6
Tcp1	1.35E-06	0.26230646	0.273	0.177	0.02224471	6
Rap1b.4	1.70E-06	-0.3972443	0.328	0.42	0.02803532	6
Pomp.2	1.88E-06	-0.3221527	0.216	0.328	0.03093644	6
Eif3e.3	2.09E-06	0.27419114	0.368	0.26	0.03439491	6
Tomm20.1	2.41E-06	0.27497017	0.353	0.248	0.03961449	6
Prdx5.4	2.73E-06	-0.4378651	0.243	0.34	0.04483113	6
Inpp5d	2.80E-06	0.31919238	0.268	0.18	0.04600292	6
Cnbp.5	3.61E-06	0.25303055	0.539	0.424	0.05932593	6
Hspe1.2	3.87E-06	0.266999	0.396	0.291	0.06363008	6
Dbnl	6.01E-06	0.30178691	0.286	0.197	0.09886315	6
Ddx6	6.01E-06	0.2569403	0.283	0.189	0.09892458	6
Polr2a.2	6.34E-06	0.25848028	0.303	0.21	0.10426322	6
Cdc42se2	7.90E-06	0.28095391	0.266	0.181	0.12996314	6
Mif.4	8.50E-06	0.27548804	0.341	0.243	0.13979958	6
Smdt1.3	8.81E-06	-0.3559467	0.261	0.357	0.14498825	6
Ybx1	9.16E-06	0.27875284	0.647	0.55	0.15068402	6
Atp2b1.6	9.91E-06	-0.3992726	0.258	0.351	0.16307456	6
Sec61b.3	1.10E-05	-0.3305897	0.421	0.486	0.18082806	6
Tmsb10.5	1.25E-05	-0.4372646	0.952	0.777	0.20533457	6
Ppp1r18.2	1.30E-05	-0.3885101	0.173	0.264	0.21345677	6
Arpc1b.4	1.37E-05	-0.2820351	0.596	0.624	0.22537309	6
Lsm4.2	1.56E-05	0.28083841	0.323	0.234	0.25597918	6
Syngt2.4	1.66E-05	-0.3718407	0.163	0.252	0.27237457	6
Ubc.4	1.84E-05	-0.3528685	0.476	0.544	0.30296852	6
Rbms1.5	1.85E-05	-0.3586957	0.173	0.261	0.30510232	6
Ptges3	2.09E-05	0.260155	0.268	0.184	0.34307653	6
Ubl3.1	2.58E-05	0.29356093	0.301	0.217	0.42415181	6
Cyfp1.1	3.39E-05	0.2653724	0.253	0.173	0.55737929	6
Atp5j2	3.99E-05	-0.2856527	0.343	0.428	0.6566644	6
Tmed10.3	4.15E-05	-0.3172123	0.198	0.29	0.68310028	6
Jund.5	4.61E-05	-0.3290493	0.634	0.685	0.75784412	6
Dnaja1.2	4.90E-05	-0.4125415	0.178	0.26	0.80598279	6
Tmem50a.1	6.06E-05	-0.2985266	0.261	0.35	0.99721131	6
Sf1	8.56E-05	0.25905605	0.291	0.21	1	6

Calm3	0.00037789	-0.2902982	0.18	0.254	1	6
Fkbp1a.3	0.00048429	-0.3462803	0.19	0.256	1	6
Ctsh.4	0.0005442	-0.3006198	0.326	0.389	1	6
Snx5.6	0.00055837	-0.304413	0.248	0.321	1	6
Gpi1	0.00058187	0.28059983	0.383	0.31	1	6
Serinc3.6	0.000674	-0.4041759	0.303	0.36	1	6
S100a10.5	0.00082652	-0.3369059	0.416	0.462	1	6
Flna.4	0.000839	-0.2988274	0.233	0.302	1	6
Cd53	0.00121169	-0.250011	0.251	0.319	1	6
Ran.2	0.00148085	0.25325354	0.358	0.296	1	6
Wnk1.2	0.00196351	-0.267745	0.201	0.263	1	6
Fcgr2b.4	0.00309234	-0.2773251	0.221	0.282	1	6
Selenof	0.00348483	-0.2658451	0.228	0.284	1	6
Gzma	0	4.19953522	0.77	0.01	0	7
Gzmb	0	2.72756723	0.56	0.01	0	7
Nkg7.1	0	2.58716753	0.936	0.091	0	7
Ccl5.1	0	2.45294648	0.959	0.116	0	7
AW112010.6	0	2.39397334	0.939	0.226	0	7
Il2rb	0	2.35098058	0.801	0.061	0	7
Prf1	0	2.19965252	0.499	0.01	0	7
Klrb1c	0	2.04972599	0.504	0.005	0	7
Ncr1	0	1.9671383	0.473	0.004	0	7
Ctsw.1	0	1.68691492	0.54	0.047	0	7
Klre1	0	1.60011999	0.376	0.007	0	7
Serpinb9	9.98E-287	1.76236884	0.442	0.032	1.64E-282	7
Klrk1	1.82E-275	1.62461526	0.468	0.039	3.00E-271	7
Xcl1	4.08E-262	1.65746542	0.317	0.015	6.70E-258	7
Serpinb6b	3.07E-241	1.57106578	0.396	0.031	5.05E-237	7
Cd7	1.66E-227	1.69564774	0.419	0.038	2.73E-223	7
Fasl	5.11E-192	1.18260896	0.274	0.017	8.40E-188	7
Sh2d2a	1.57E-188	1.38089897	0.455	0.057	2.58E-184	7
Txk	5.50E-161	1.16770602	0.286	0.024	9.04E-157	7
Cd74.6	4.17E-160	-3.3915131	0.192	0.86	6.85E-156	7
Ms4a4b.1	2.86E-142	1.20718222	0.509	0.092	4.70E-138	7
Klrd1	4.40E-139	1.37029487	0.366	0.051	7.23E-135	7
Cst7	2.67E-138	1.24766902	0.317	0.037	4.40E-134	7
H2-Oa.4	1.56E-08	0.52642206	0.319	0.141	0.00025698	13
H2-K1.10	1.87E-11	0.52199256	0.929	0.842	3.08E-07	16
H2-Ab1.6	1.50E-46	0.50568779	0.989	0.695	2.46E-42	8
Tmsb10.6	2.66E-116	0.84441183	1	0.775	4.38E-112	7
Irf8.1	4.93E-115	1.48708305	0.65	0.209	8.12E-111	7
Pfn1.2	4.54E-114	0.92129396	0.959	0.854	7.46E-110	7
Gimap4.2	1.50E-108	1.25033542	0.532	0.136	2.47E-104	7

Lgals1.5	4.75E-107	1.32331124	0.79	0.383	7.81E-103	7
Ugcg	2.37E-99	1.18439566	0.304	0.048	3.90E-95	7
Fth1.5	5.09E-98	-1.1891843	0.844	0.964	8.37E-94	7
Cst3.6	1.19E-95	-2.6839711	0.217	0.709	1.96E-91	7
Arsb	6.97E-94	1.10879534	0.322	0.058	1.15E-89	7
Lck.1	1.52E-93	1.0852451	0.425	0.095	2.50E-89	7
Skap1.1	5.80E-92	1.02359185	0.399	0.085	9.53E-88	7
Ptprcap.7	9.53E-92	1.05922683	0.675	0.244	1.57E-87	7
Vps37b.5	3.04E-90	1.06887835	0.645	0.223	5.00E-86	7
Hcst.1	3.90E-90	1.17601996	0.56	0.176	6.41E-86	7
Sept1.2	1.80E-86	1.10848725	0.514	0.15	2.97E-82	7
Ftl1.6	2.56E-86	-1.5345314	0.696	0.901	4.21E-82	7
Psap.5	2.06E-82	-1.7637927	0.217	0.7	3.38E-78	7
Ptprc.4	2.97E-78	1.07210066	0.77	0.423	4.88E-74	7
Gpx1.7	4.83E-78	-1.6172651	0.34	0.731	7.94E-74	7
Pik3r1	6.06E-75	1.24004354	0.422	0.12	9.97E-71	7
Lyz2.7	9.65E-75	-2.7710173	0.087	0.579	1.59E-70	7
Ccl4	2.01E-74	1.32114751	0.43	0.117	3.31E-70	7
Zfp36.5	4.27E-74	-1.8611733	0.161	0.635	7.02E-70	7
Itgal.1	3.30E-73	1.1183141	0.391	0.103	5.43E-69	7
Ifitm3.7	4.15E-71	-2.3426678	0.023	0.515	6.82E-67	7
Tyrobp.7	3.14E-67	0.76473417	0.91	0.592	5.16E-63	7
Cd83.5	2.25E-66	-1.8939102	0.026	0.494	3.70E-62	7
Fcer1g.6	7.88E-66	0.72751192	0.931	0.558	1.30E-61	7
Ifngr1.4	1.37E-65	0.91530082	0.706	0.366	2.26E-61	7
Ctss.5	1.66E-65	-1.6496513	0.056	0.524	2.73E-61	7
H2-Q6.4	5.82E-06	0.4987245	0.32	0.156	0.09571244	15
Bcl2	5.24E-64	1.04166254	0.338	0.085	8.61E-60	7
Atf3.6	1.38E-62	-1.9735857	0.082	0.529	2.27E-58	7
Anxa2.7	4.72E-62	0.97504461	0.588	0.259	7.77E-58	7
Fos.5	5.28E-61	-1.874103	0.251	0.64	8.69E-57	7
Apoe.6	4.33E-59	-3.2722076	0.066	0.492	7.13E-55	7
Gimap5.1	3.43E-58	0.92594978	0.307	0.075	5.64E-54	7
Fosb.6	1.13E-56	-1.6994009	0.1	0.523	1.86E-52	7
Unc93b1.3	1.14E-54	-1.4285042	0.064	0.484	1.87E-50	7
Ccl6.7	1.33E-53	-2.1205228	0.026	0.433	2.19E-49	7
H2-D1.4	2.57E-32	0.47786198	0.959	0.887	4.23E-28	10
Nfkbia.5	8.88E-53	-1.4615435	0.136	0.54	1.46E-48	7
Marcksl1.6	1.41E-52	-1.9783075	0.054	0.455	2.31E-48	7
Egr1.6	1.04E-51	-2.0907362	0.084	0.477	1.71E-47	7
Cd52.5	1.76E-51	0.6038462	0.931	0.724	2.90E-47	7
Mt1.7	3.28E-51	-2.3734278	0.043	0.435	5.40E-47	7
Alox5ap.7	1.22E-50	-1.6688872	0.023	0.417	2.00E-46	7

Selplg.5	1.31E-50	0.92838486	0.591	0.291	2.16E-46	7
D16Ertd472e	1.38E-50	0.8843032	0.271	0.068	2.28E-46	7
lfitm2.7	1.39E-50	-1.7678415	0.018	0.41	2.29E-46	7
Ccnd2.2	6.03E-50	1.04852413	0.471	0.191	9.91E-46	7
lfi27l2a.6	3.71E-49	-1.9237764	0.038	0.421	6.10E-45	7
ltgb2.6	5.55E-49	0.99969491	0.537	0.253	9.14E-45	7
Spn	1.88E-48	0.96618179	0.276	0.074	3.09E-44	7
Jun.7	7.32E-48	-2.056536	0.107	0.481	1.20E-43	7
H2-D1.9	1.11E-10	0.47745468	0.988	0.889	1.83E-06	16
Ctsh.5	1.47E-47	-1.4168465	0.028	0.404	2.43E-43	7
Pglyrp1.1	3.16E-47	0.67997143	0.271	0.069	5.20E-43	7
Nfkbiz.6	3.71E-47	-1.6698386	0.087	0.459	6.09E-43	7
Rac2.6	1.58E-46	0.75667579	0.734	0.468	2.60E-42	7
Ctsb.6	2.70E-46	-1.7292913	0.13	0.494	4.44E-42	7
Dusp5.4	3.80E-46	0.87529884	0.501	0.216	6.26E-42	7
Id2	9.28E-46	0.9610057	0.476	0.201	1.53E-41	7
C1qb.7	5.33E-44	-2.7941386	0.02	0.37	8.77E-40	7
Dusp1.5	2.72E-43	-1.2988439	0.309	0.621	4.47E-39	7
Tmem176b.5	4.19E-43	-1.3962924	0.095	0.457	6.90E-39	7
Wfdc17.6	1.97E-41	-1.8001956	0.01	0.346	3.24E-37	7
Pltp.7	2.58E-41	-1.8372761	0.018	0.353	4.24E-37	7
Grn.6	4.51E-41	-1.4715425	0.049	0.393	7.42E-37	7
Cybb.5	8.38E-41	-1.4426115	0.013	0.346	1.38E-36	7
Csf1r.7	1.83E-40	-1.7777262	0.018	0.349	3.01E-36	7
Ccnd3.2	7.65E-40	0.93062608	0.381	0.149	1.26E-35	7
Gimap3.2	8.69E-40	0.81462788	0.396	0.151	1.43E-35	7
Pld4.5	6.60E-39	-1.2752266	0.018	0.342	1.09E-34	7
Ly86.4	7.28E-39	-1.2809764	0.013	0.334	1.20E-34	7
Selenop.7	1.05E-38	-2.2188346	0.113	0.432	1.72E-34	7
H2-DMb2.9	2.35E-13	0.45896283	0.741	0.239	3.86E-09	17
C1qa.7	1.47E-38	-2.4738426	0.028	0.346	2.42E-34	7
C1qc.7	2.70E-38	-2.4988243	0.033	0.35	4.44E-34	7
Marcks.6	3.00E-38	-1.3250146	0.023	0.348	4.93E-34	7
Mrc1.7	5.51E-38	-1.7944416	0.008	0.321	9.07E-34	7
Myl6.3	1.28E-37	0.67463357	0.803	0.645	2.10E-33	7
Ctsc.6	1.47E-37	-1.3233729	0.1	0.431	2.42E-33	7
Cfp.6	2.77E-37	-1.4537771	0.015	0.327	4.56E-33	7
Klf4.6	5.81E-37	-1.667975	0.072	0.391	9.56E-33	7
Mcl1.6	2.38E-36	-1.124285	0.115	0.443	3.92E-32	7
Spi1.6	6.00E-36	-1.2146533	0.015	0.32	9.87E-32	7
Jak1.3	8.46E-36	0.83733183	0.558	0.308	1.39E-31	7
Junb.5	1.52E-35	-0.699546	0.66	0.852	2.50E-31	7
Ier3.5	3.10E-35	-1.7085294	0.038	0.341	5.10E-31	7

Pf4.7	3.80E-35	-2.4969638	0.026	0.321	6.25E-31	7
Ctsz.4	4.20E-35	-1.1557165	0.061	0.368	6.90E-31	7
Ly6e.5	5.51E-35	-0.7544978	0.537	0.761	9.06E-31	7
H2afz.6	3.64E-34	0.68432742	0.785	0.578	5.99E-30	7
Ccl2.7	6.65E-34	-2.2036245	0.008	0.295	1.09E-29	7
Rinl	1.77E-33	0.69593522	0.251	0.077	2.90E-29	7
Klf6.7	7.42E-33	-1.0871048	0.243	0.545	1.22E-28	7
Zfp36l1.5	1.50E-32	-0.9392648	0.235	0.543	2.47E-28	7
F13a1.6	1.69E-32	-1.6837438	0.013	0.293	2.78E-28	7
Cd68.6	5.90E-32	-1.234123	0.01	0.286	9.70E-28	7
S100a10.6	1.26E-31	0.577737	0.691	0.448	2.07E-27	7
Gm2a.7	1.65E-31	-1.2383196	0.023	0.3	2.72E-27	7
Lgmn.6	2.76E-31	-1.3662172	0.018	0.293	4.54E-27	7
App.5	4.64E-31	-1.1796916	0.015	0.287	7.64E-27	7
Fcgrt.6	9.58E-31	-1.3923971	0.005	0.27	1.58E-26	7
Zfp36l2.3	1.25E-30	0.67032661	0.614	0.368	2.06E-26	7
Cd81.6	6.22E-30	-1.1824663	0.031	0.299	1.02E-25	7
Clec10a.7	9.79E-30	-1.4913765	0.003	0.258	1.61E-25	7
Cd14.6	1.12E-29	-1.4908806	0.013	0.273	1.84E-25	7
B4galnt1.1	1.26E-29	0.79839492	0.343	0.146	2.07E-25	7
Thy1.1	1.99E-29	0.53665747	0.312	0.115	3.27E-25	7
Nr4a1.3	2.81E-29	-0.9120901	0.228	0.52	4.63E-25	7
Rgs10.6	3.76E-29	-1.0944339	0.026	0.289	6.19E-25	7
Cxcl2.7	7.43E-29	-2.3363807	0.01	0.263	1.22E-24	7
Mafb.6	1.15E-28	-1.6662007	0.02	0.276	1.89E-24	7
Npc2.6	1.83E-28	-0.8275844	0.248	0.526	3.01E-24	7
Tmem176a.5	3.00E-28	-1.0798336	0.074	0.347	4.93E-24	7
Kctd12.6	3.00E-28	-1.0504298	0.11	0.384	4.94E-24	7
Anxa5.6	4.33E-28	-1.0192788	0.087	0.356	7.13E-24	7
Mgl2.7	5.03E-28	-1.3721	0.01	0.258	8.28E-24	7
Rassf4.5	5.22E-28	-1.0446543	0.01	0.258	8.59E-24	7
Lamp1.7	6.74E-28	-0.9853789	0.153	0.428	1.11E-23	7
Fcgr2b.5	1.36E-27	-1.0041237	0.033	0.291	2.23E-23	7
Cfl1	2.33E-27	0.47909614	0.847	0.786	3.83E-23	7
Jund.6	4.00E-27	-0.7630979	0.465	0.694	6.58E-23	7
Ppia.2	5.54E-27	0.36216363	0.923	0.887	9.11E-23	7
Il1b.6	2.76E-26	-1.857215	0.018	0.256	4.54E-22	7
Ywhaq	4.14E-26	0.73355334	0.402	0.202	6.80E-22	7
Plbd1.5	4.86E-26	-1.1957788	0.018	0.252	8.00E-22	7
Erp29.4	1.81E-25	-0.7980979	0.113	0.38	2.97E-21	7
Cd79a.7	2.16E-25	-1.8147726	0.028	0.263	3.56E-21	7
Cbr2.7	1.26E-24	-1.4370754	0.026	0.254	2.07E-20	7
H2-Eb1	1.50E-57	0.42974373	0.85	0.673	2.47E-53	0

Cnn2.3	7.29E-24	0.60708414	0.535	0.338	1.20E-19	7
Rel.6	1.49E-23	-0.9264047	0.056	0.292	2.44E-19	7
Esyt1	1.58E-23	0.72236675	0.317	0.144	2.60E-19	7
H2-Q6.5	9.18E-12	0.4229571	0.452	0.155	1.51E-07	16
Nrros.7	3.88E-23	-0.8400495	0.059	0.296	6.38E-19	7
Actb.3	6.56E-23	0.30095421	0.995	0.993	1.08E-18	7
Anxa6.1	1.09E-22	0.73522065	0.358	0.18	1.79E-18	7
Myl12a.2	1.24E-22	0.65398819	0.56	0.384	2.05E-18	7
Ets1.2	1.26E-22	0.55701658	0.373	0.175	2.07E-18	7
Hexa.5	1.79E-22	-0.9255527	0.072	0.303	2.95E-18	7
Ighm.5	1.88E-22	-1.4669597	0.182	0.427	3.09E-18	7
Fxyd5.7	3.62E-22	0.56936505	0.632	0.456	5.95E-18	7
Lgals3.6	4.86E-22	-0.9805868	0.128	0.361	7.99E-18	7
Pim1.4	3.35E-21	-0.6146277	0.21	0.462	5.51E-17	7
Leprotl1.1	5.28E-21	0.6843657	0.294	0.135	8.69E-17	7
Gadd45b.6	5.78E-21	-0.9472348	0.049	0.261	9.50E-17	7
Ninj1.6	5.86E-21	-1.0973769	0.046	0.253	9.65E-17	7
Cox8a	7.43E-21	0.42116501	0.806	0.683	1.22E-16	7
Gimap6.3	2.16E-20	0.52735933	0.373	0.182	3.55E-16	7
Mef2c.3	2.98E-20	-0.9040784	0.046	0.252	4.90E-16	7
Zyx.6	5.40E-20	0.66966151	0.43	0.254	8.89E-16	7
Efhd2.5	2.27E-19	0.6200049	0.465	0.287	3.73E-15	7
Tpm4.2	4.36E-19	0.6614179	0.407	0.235	7.18E-15	7
Itm2b.6	5.46E-19	-0.6981313	0.701	0.792	8.98E-15	7
Vasp	9.96E-19	0.62613349	0.338	0.175	1.64E-14	7
Shisa5.5	1.57E-18	0.4592431	0.621	0.442	2.58E-14	7
Clic4.6	3.29E-18	-0.8436364	0.066	0.261	5.42E-14	7
Cd2.2	4.81E-18	0.54384915	0.258	0.114	7.91E-14	7
Pde4b.6	9.73E-18	-0.6023252	0.199	0.429	1.60E-13	7
Ldha.3	9.75E-18	0.55498889	0.491	0.331	1.60E-13	7
Ppp1r15a.6	1.01E-17	-0.6769992	0.153	0.367	1.67E-13	7
Serp1.4	1.36E-17	-0.7107462	0.174	0.386	2.23E-13	7
Nfkbid.4	2.09E-17	-0.7076921	0.061	0.253	3.43E-13	7
Atp6v0c.6	2.51E-17	-0.6377233	0.207	0.435	4.12E-13	7
Napsa.7	3.83E-17	-0.8598634	0.084	0.274	6.31E-13	7
Sh3bgrl3.3	7.37E-17	0.3302183	0.829	0.743	1.21E-12	7
Ptpn18.2	1.31E-16	0.42815956	0.701	0.609	2.15E-12	7
Prex1	1.53E-16	0.69542038	0.284	0.147	2.52E-12	7
Dad1.3	1.58E-16	0.58668667	0.473	0.318	2.59E-12	7
Ablim1.2	1.80E-16	0.51967517	0.261	0.121	2.96E-12	7
Fgl2	1.96E-16	0.71509782	0.251	0.121	3.22E-12	7
Adgre5.4	2.28E-16	0.64871549	0.399	0.233	3.75E-12	7
Sat1.7	2.66E-16	-0.6756712	0.141	0.35	4.37E-12	7

Bri3.6	2.75E-16	-0.6649453	0.182	0.381	4.52E-12	7
Gabarap.3	2.81E-16	-0.457018	0.361	0.576	4.62E-12	7
Rpl27.3	6.91E-16	0.3096876	0.849	0.828	1.14E-11	7
Klf2.5	1.10E-15	-0.5897841	0.404	0.605	1.82E-11	7
Eif5a.3	3.30E-15	0.52306184	0.552	0.417	5.44E-11	7
Rpl13a.6	5.43E-15	0.25787822	0.867	0.81	8.94E-11	7
Atp6v0b.6	5.55E-15	-0.5191615	0.169	0.37	9.12E-11	7
Cltc.6	7.65E-15	-0.6664256	0.159	0.34	1.26E-10	7
Ctsa.6	1.75E-14	-0.6076216	0.113	0.293	2.88E-10	7
Serf2.5	1.83E-14	0.31590983	0.836	0.758	3.00E-10	7
Ndufb7	2.85E-14	0.56751269	0.404	0.256	4.68E-10	7
Dnajc15	2.85E-14	0.58086333	0.266	0.139	4.69E-10	7
Kdm6b.6	3.08E-14	-0.6213489	0.136	0.321	5.07E-10	7
Ier5.5	4.03E-14	-0.5061963	0.176	0.381	6.63E-10	7
Zeb2.6	4.37E-14	-0.5586632	0.118	0.305	7.18E-10	7
Bin2.2	4.84E-14	0.59640604	0.261	0.135	7.96E-10	7
Scand1.1	5.14E-14	-0.455633	0.153	0.346	8.45E-10	7
Socs3.7	5.46E-14	-0.7346866	0.118	0.287	8.99E-10	7
Capg.4	6.25E-14	-0.7196511	0.1	0.266	1.03E-09	7
Ppp1r12a.1	7.78E-14	0.57410821	0.338	0.201	1.28E-09	7
Hmgb2.3	1.03E-13	0.45869162	0.394	0.243	1.69E-09	7
B2m.3	1.18E-13	0.28674686	0.841	0.806	1.95E-09	7
Arhgdib.5	1.50E-13	0.39660693	0.701	0.59	2.46E-09	7
Rnaset2b	1.50E-13	0.5758544	0.353	0.212	2.47E-09	7
Syngr2.5	1.78E-13	-0.5927039	0.09	0.256	2.92E-09	7
Zfand5.5	2.37E-13	-0.5704958	0.1	0.27	3.89E-09	7
Slc9a3r1	2.48E-13	0.53656277	0.263	0.139	4.08E-09	7
Rpl22l1.4	2.98E-13	0.44645935	0.555	0.437	4.90E-09	7
Il2rg.5	4.19E-13	0.50252459	0.43	0.277	6.90E-09	7
Gnas.2	4.51E-13	0.39520566	0.598	0.467	7.42E-09	7
Itgb1.1	5.03E-13	0.64311377	0.368	0.238	8.28E-09	7
Ehd4.6	5.15E-13	-0.635839	0.107	0.275	8.48E-09	7
Cyca.3	5.41E-13	0.62087952	0.373	0.239	8.91E-09	7
Atp5g3	6.54E-13	0.47170936	0.568	0.452	1.08E-08	7
S100a6.6	8.91E-13	0.31820631	0.831	0.748	1.47E-08	7
S100a13.1	1.15E-12	0.54652257	0.361	0.225	1.90E-08	7
Ly6d.6	1.30E-12	-0.9313946	0.156	0.316	2.13E-08	7
Ndufa4	3.26E-12	0.51380831	0.517	0.405	5.36E-08	7
Reep5.2	3.47E-12	0.51258438	0.481	0.348	5.70E-08	7
Clta.6	3.91E-12	-0.462282	0.386	0.557	6.43E-08	7
Itga4.2	8.61E-12	0.66881549	0.327	0.207	1.42E-07	7
Elob	9.46E-12	0.43973059	0.55	0.43	1.56E-07	7
H3f3a.5	1.28E-11	-0.3818295	0.616	0.745	2.10E-07	7

Atpif1.6	1.53E-11	-0.5169561	0.161	0.323	2.51E-07	7
Neat1.6	1.78E-11	-0.6324036	0.171	0.335	2.92E-07	7
Serbp1.4	1.81E-11	0.46623603	0.501	0.379	2.98E-07	7
Epsti1	2.21E-11	0.47809727	0.304	0.183	3.63E-07	7
Atp5h.2	2.57E-11	0.39371391	0.591	0.493	4.22E-07	7
Ier2.6	2.62E-11	-0.5411099	0.409	0.563	4.31E-07	7
Dok2	2.82E-11	0.49273436	0.258	0.142	4.63E-07	7
Ppp1r18.3	3.24E-11	0.54318793	0.379	0.253	5.33E-07	7
Arcp2.4	3.47E-11	0.29407525	0.762	0.661	5.71E-07	7
Gltp.3	4.61E-11	-0.4294969	0.11	0.266	7.59E-07	7
Polr2l	5.60E-11	0.51763097	0.261	0.149	9.21E-07	7
Btg2.5	6.20E-11	-0.3891619	0.535	0.678	1.02E-06	7
Prr13.3	7.32E-11	0.46105101	0.389	0.261	1.20E-06	7
Man2b1.5	9.40E-11	-0.4574352	0.151	0.307	1.55E-06	7
Cox5b.1	9.91E-11	0.45098341	0.545	0.429	1.63E-06	7
Pabpc1.3	1.15E-10	0.36301818	0.701	0.63	1.89E-06	7
Arhgef1.2	1.23E-10	0.41388724	0.338	0.208	2.03E-06	7
Krtcap2.1	1.40E-10	0.45608594	0.422	0.29	2.30E-06	7
Eno1.3	2.95E-10	0.43844081	0.514	0.407	4.86E-06	7
Samhd1.1	3.13E-10	-0.4781543	0.156	0.307	5.15E-06	7
Rtn4.5	4.28E-10	-0.4424557	0.115	0.258	7.04E-06	7
S100a11.5	4.69E-10	0.35241942	0.517	0.392	7.71E-06	7
Capzb.3	6.49E-10	0.37713571	0.57	0.468	1.07E-05	7
Tma7.1	6.83E-10	0.44242951	0.445	0.331	1.12E-05	7
Atox1.6	7.06E-10	-0.4681843	0.322	0.463	1.16E-05	7
Atp5j2.1	7.58E-10	0.41320181	0.522	0.419	1.25E-05	7
Snrpg.2	8.63E-10	0.44869991	0.384	0.267	1.42E-05	7
Atp5e.2	1.42E-09	0.32857002	0.678	0.62	2.34E-05	7
Cstb.5	1.71E-09	-0.5472723	0.133	0.264	2.82E-05	7
Capza1	2.00E-09	0.48571421	0.274	0.168	3.29E-05	7
Abracl.4	2.43E-09	0.5536354	0.358	0.256	4.00E-05	7
Cd47.1	2.86E-09	0.41963397	0.453	0.344	4.70E-05	7
Ctsd.7	4.38E-09	0.38136262	0.414	0.284	7.21E-05	7
Ccnl1.5	4.57E-09	-0.3957636	0.166	0.313	7.52E-05	7
Ubc.5	4.67E-09	-0.4215981	0.404	0.548	7.69E-05	7
Cebpb.7	5.23E-09	-0.5709871	0.202	0.336	8.61E-05	7
Sub1.4	6.64E-09	0.39815473	0.547	0.459	0.00010919	7
Gdi2.2	9.18E-09	-0.3671086	0.238	0.382	0.00015103	7
Sptbn1	9.87E-09	0.46616147	0.258	0.157	0.00016242	7
Bhlhe40.1	1.55E-08	0.43386944	0.281	0.179	0.00025453	7
Arhgap45.4	1.66E-08	0.42078802	0.422	0.309	0.00027329	7
Dock2.2	1.75E-08	0.44610868	0.348	0.246	0.00028706	7
Ccr2.2	1.97E-08	0.35939397	0.309	0.196	0.00032454	7

Dennd4a.4	2.03E-08	0.4549164	0.345	0.238	0.00033325	7
Atp2b1.7	2.24E-08	-0.3697885	0.21	0.354	0.00036866	7
Rps19.5	2.93E-08	-0.2515792	0.859	0.937	0.00048184	7
Prkar1a.1	2.99E-08	0.42908954	0.327	0.226	0.00049182	7
Oaz1	3.06E-08	0.25739332	0.798	0.774	0.00050292	7
Mbnl1.2	3.07E-08	0.42456233	0.435	0.335	0.00050539	7
Atp5d.2	3.28E-08	0.36278838	0.519	0.434	0.0005396	7
Nr4a2.2	3.98E-08	0.34379083	0.304	0.196	0.00065438	7
Crip1.5	3.99E-08	-0.5708613	0.68	0.722	0.00065594	7
Sumo2.1	4.16E-08	0.3812965	0.496	0.407	0.00068455	7
Lsp1.6	4.62E-08	-0.5191658	0.281	0.402	0.00075973	7
Cap1.1	5.31E-08	0.496324	0.302	0.205	0.00087412	7
H2-DMb1.15	3.22E-09	0.4086531	0.796	0.325	5.29E-05	17
Neur13	6.13E-08	0.43745265	0.276	0.177	0.00100892	7
Vamp8.6	6.28E-08	-0.3159499	0.21	0.349	0.00103368	7
Ddx5.2	6.60E-08	-0.2610952	0.563	0.71	0.00108589	7
Ran.3	7.33E-08	0.3742973	0.394	0.294	0.00120625	7
Tspo.3	8.09E-08	0.33423074	0.522	0.418	0.0013314	7
Serinc3.7	8.70E-08	-0.387552	0.228	0.364	0.00143034	7
Ppp1ca.3	9.57E-08	0.40359726	0.46	0.372	0.00157362	7
Ubald2.1	1.26E-07	0.42992115	0.304	0.21	0.00206695	7
Edf1.1	1.27E-07	0.43920425	0.427	0.345	0.00208904	7
Nap1l1.3	1.40E-07	-0.4135776	0.148	0.267	0.00230979	7
Plekhj1	1.42E-07	0.41015092	0.271	0.177	0.00233218	7
Ankrd44	1.48E-07	0.46335638	0.251	0.159	0.00242728	7
Ube2i.1	1.73E-07	0.38755289	0.33	0.23	0.0028399	7
Laptm4a.4	2.17E-07	-0.3278486	0.153	0.278	0.00356839	7
Ddx3x.4	2.94E-07	-0.3305521	0.151	0.274	0.00483924	7
Ncl.5	3.42E-07	0.43601874	0.448	0.371	0.00562544	7
Cox7a2l	4.44E-07	-0.2941953	0.24	0.369	0.00730984	7
Akr1a1.5	5.10E-07	-0.3097914	0.23	0.359	0.00839252	7
Diaph1.1	5.15E-07	0.42334275	0.266	0.176	0.00847062	7
Pycard.1	6.13E-07	0.44924759	0.289	0.2	0.01007849	7
Rbm3.3	6.92E-07	0.28786645	0.598	0.55	0.01137752	7
Psme1.4	9.65E-07	0.32698339	0.494	0.4	0.01586758	7
Tln1.2	1.06E-06	0.36182774	0.499	0.424	0.0174406	7
Rrbp1.5	1.23E-06	-0.2709174	0.225	0.355	0.02028977	7
Ywhab.1	1.24E-06	0.45445331	0.315	0.227	0.02043967	7
Preli1.1	1.27E-06	0.39430742	0.391	0.308	0.02083161	7
Myh9.3	1.28E-06	0.3516493	0.565	0.499	0.02098455	7
Psmb10	1.44E-06	0.44103295	0.274	0.192	0.02372155	7
H2-Oa.2	1.36E-19	0.39056137	0.303	0.135	2.24E-15	6
Rbx1	1.65E-06	0.39948152	0.379	0.293	0.02708568	7

Hmgb1.2	2.32E-06	0.29743269	0.494	0.415	0.03819307	7
Txn1.2	2.52E-06	0.31048208	0.343	0.246	0.04139958	7
Sap18.1	3.69E-06	0.38116234	0.348	0.259	0.0606214	7
Gstm1.5	4.02E-06	-0.2928995	0.532	0.652	0.06614652	7
Tmem258	4.94E-06	0.3746818	0.332	0.249	0.08127467	7
Wnk1.3	4.95E-06	-0.2857408	0.156	0.265	0.0814692	7
Clic1.2	5.27E-06	0.26159593	0.578	0.5	0.08671156	7
Tmed10.4	5.74E-06	-0.31781	0.184	0.29	0.09436119	7
Ndufa13.1	6.09E-06	0.31389086	0.483	0.397	0.10015354	7
Tuba1b.2	6.56E-06	-0.3358573	0.212	0.326	0.10784254	7
Snx5.7	8.84E-06	-0.3200155	0.217	0.322	0.14544806	7
Arcp1b.5	9.59E-06	0.26893163	0.655	0.621	0.15774481	7
Psma2.1	9.77E-06	0.3188424	0.307	0.224	0.16070577	7
Raly	9.96E-06	0.4191668	0.302	0.227	0.16385509	7
Cytip.5	1.11E-05	-0.3402369	0.225	0.333	0.1821136	7
Vps28.1	1.56E-05	0.35178811	0.271	0.192	0.25671067	7
Atp5g1	2.72E-05	0.36138828	0.292	0.217	0.44676629	7
Calm2.4	2.96E-05	0.32328209	0.458	0.383	0.48710391	7
Snrpe.2	4.02E-05	0.31119761	0.379	0.303	0.66167453	7
Ppp4c	4.54E-05	0.35960454	0.281	0.208	0.74622603	7
Ostf1.2	4.85E-05	0.41235516	0.376	0.311	0.797168	7
Wdr1	5.39E-05	0.36901572	0.33	0.259	0.88616191	7
Ppp1cc.1	5.58E-05	0.28424455	0.284	0.205	0.91811158	7
Flna.5	6.09E-05	0.37552751	0.366	0.295	1	7
Bag1	6.12E-05	0.34274017	0.279	0.206	1	7
Sp100.3	6.51E-05	0.3158617	0.289	0.215	1	7
Eif3c	6.97E-05	0.31978452	0.33	0.254	1	7
Vim.6	7.14E-05	-0.3752596	0.581	0.624	1	7
Cox17	8.02E-05	0.38159279	0.276	0.204	1	7
Psmb5.1	0.00010158	0.31514502	0.274	0.203	1	7
Gpsm3	0.00011576	0.36806878	0.274	0.206	1	7
Gabarapl2	0.00015605	0.38843122	0.276	0.213	1	7
Trir	0.00017742	0.32406942	0.292	0.222	1	7
Erh.1	0.00017876	0.36590824	0.315	0.255	1	7
Psmb3.3	0.00018314	0.36394489	0.332	0.266	1	7
Fosl2.2	0.00023045	0.33760303	0.279	0.211	1	7
Sri.2	0.0002524	0.39011952	0.309	0.249	1	7
Cox7a2	0.0003676	0.25842276	0.404	0.341	1	7
Mrps24	0.00038569	0.31072502	0.281	0.217	1	7
H2afj.1	0.00044602	0.3221864	0.427	0.373	1	7
Srp9	0.00044973	0.28187767	0.363	0.301	1	7
AY036118.4	0.00056	-0.376035	0.696	0.789	1	7
Lcp1.1	0.00060565	0.25995494	0.552	0.533	1	7

Atp5a1.1	0.00063847	0.31129955	0.419	0.37	1	7
Atp5o.1.2	0.00068084	0.30457271	0.304	0.242	1	7
Atp5j	0.00077249	0.2596162	0.427	0.379	1	7
Anp32b.2	0.00118152	0.30332905	0.353	0.304	1	7
Psemb1.3	0.00126449	0.26475955	0.363	0.309	1	7
Cox5a.1	0.00147298	0.25823836	0.419	0.378	1	7
1810058I24Ril	0.00148961	0.30353201	0.253	0.195	1	7
Mrpl33.1	0.00161678	0.2821816	0.274	0.216	1	7
Cox7b	0.00177332	0.31137345	0.34	0.295	1	7
Ndufa1	0.00177651	0.291783	0.256	0.2	1	7
Anp32a.1	0.00183635	0.25807941	0.353	0.294	1	7
Tomm22	0.00202202	0.33903541	0.261	0.208	1	7
Ndfip1.2	0.00241881	0.30499446	0.35	0.295	1	7
Stat3	0.00310115	0.26115339	0.297	0.243	1	7
Ywhah.3	0.00316013	0.33031842	0.307	0.261	1	7
Arf1	0.00352839	0.322955	0.373	0.328	1	7
Set	0.00539134	0.3127597	0.274	0.227	1	7
Ndufb11.1	0.00684378	0.28163304	0.371	0.336	1	7
Hnrnpl	0.00739607	0.26940866	0.253	0.204	1	7
Uqcrcq.1	0.00952938	0.27065708	0.368	0.334	1	7
Lyz1	0	2.43370661	0.448	0.025	0	8
Fn1.1	0	2.24109915	0.791	0.049	0	8
Ear2.2	0	1.95910017	0.69	0.06	0	8
Retnla.4	4.14E-243	2.14040464	0.893	0.21	6.81E-239	8
Lpl	1.70E-189	1.57736547	0.525	0.074	2.80E-185	8
Tnip3.1	8.06E-155	1.3144262	0.571	0.105	1.33E-150	8
Ccl6.8	8.77E-149	1.30523526	0.945	0.387	1.44E-144	8
Crip1.6	1.48E-147	1.24271921	0.992	0.707	2.44E-143	8
Ccr2.3	3.26E-139	1.27855378	0.695	0.178	5.36E-135	8
Ccl9.6	2.88E-129	1.22436399	0.725	0.21	4.74E-125	8
Psap.6	2.26E-102	0.927622	0.984	0.661	3.71E-98	8
Cxcl2.8	1.51E-97	0.9870185	0.717	0.228	2.48E-93	8
Gpx1.8	3.69E-97	0.89344648	0.992	0.698	6.07E-93	8
Gda.1	6.29E-94	1.00322895	0.467	0.106	1.04E-89	8
Ly6e.6	2.89E-93	-1.6644275	0.264	0.774	4.76E-89	8
Il1b.7	2.12E-91	0.9559821	0.692	0.223	3.49E-87	8
Tmsb4x.5	1.89E-85	0.52525619	1	0.993	3.11E-81	8
Dok2.1	4.93E-76	0.88175082	0.484	0.131	8.11E-72	8
Lyz2.8	1.11E-73	0.69023277	0.981	0.534	1.82E-69	8
S100a6.7	1.50E-72	0.73499641	0.953	0.743	2.46E-68	8
Fcrls.2	4.75E-72	0.87994998	0.505	0.145	7.81E-68	8
Mcub	8.66E-70	0.90417878	0.368	0.088	1.42E-65	8
Lgals3.7	2.53E-68	0.89597896	0.742	0.331	4.17E-64	8

Unc119	5.01E-67	0.88452189	0.374	0.093	8.23E-63	8
mt-Atp8.5	9.88E-66	-0.7348995	0.802	0.935	1.63E-61	8
Anxa2.8	2.08E-65	0.88617799	0.648	0.257	3.43E-61	8
Batf3	3.20E-63	0.93286304	0.363	0.093	5.26E-59	8
Ahnak.6	2.26E-61	0.79115714	0.879	0.53	3.71E-57	8
S100a4.2	8.26E-60	0.8679025	0.497	0.166	1.36E-55	8
H2-Ke6	9.57E-05	0.37911802	0.333	0.09	1	20
Alox5ap.8	1.24E-56	0.73630207	0.775	0.379	2.03E-52	8
Ifitm6.2	8.67E-56	0.82877037	0.393	0.114	1.43E-51	8
Pltp.8	8.30E-53	0.66281333	0.725	0.318	1.36E-48	8
Olfm1.1	8.87E-52	0.73322097	0.346	0.095	1.46E-47	8
mt-Nd4l.5	1.25E-50	-0.6714195	0.755	0.908	2.05E-46	8
Dbi.4	3.44E-48	0.86448261	0.599	0.277	5.66E-44	8
H2-Ab1	3.05E-58	0.36793827	0.878	0.667	5.03E-54	0
Smdt1.4	3.69E-46	0.77903904	0.662	0.338	6.07E-42	8
H2-D1.12	0.00327791	0.36448309	0.966	0.89	1	19
Capg.5	6.55E-44	0.70720439	0.569	0.243	1.08E-39	8
Actg1.4	4.43E-43	0.40929647	0.992	0.897	7.29E-39	8
Metrl.1	8.86E-43	0.72745081	0.31	0.09	1.46E-38	8
Naaa	4.68E-42	0.71636819	0.354	0.113	7.70E-38	8
Lsp1.7	1.39E-41	0.63298901	0.739	0.38	2.28E-37	8
Clec4b1.1	2.30E-41	0.73331671	0.297	0.085	3.79E-37	8
Phlda1	2.69E-41	0.87942383	0.404	0.146	4.43E-37	8
Sem1.5	5.48E-41	0.62985392	0.808	0.537	9.02E-37	8
Areg	5.38E-40	0.71761857	0.253	0.066	8.86E-36	8
Arpc1b.6	1.03E-39	0.57689944	0.843	0.612	1.69E-35	8
Slamf9.1	2.92E-38	0.69892924	0.319	0.102	4.81E-34	8
S100a10.7	2.98E-38	0.65738201	0.753	0.446	4.90E-34	8
Gm2a.8	3.93E-38	0.65783323	0.582	0.272	6.46E-34	8
Mt1.8	7.43E-38	0.43580281	0.772	0.399	1.22E-33	8
H2-D1.8	5.10E-09	0.36433803	0.979	0.889	8.39E-05	15
Ifi27l2a.7	4.79E-37	0.55313153	0.717	0.387	7.87E-33	8
Rps27l.3	4.85E-37	0.76299539	0.577	0.294	7.98E-33	8
Serf2.6	3.42E-36	0.4963458	0.92	0.754	5.62E-32	8
Sdc3.1	3.74E-36	0.63465969	0.412	0.159	6.16E-32	8
Pitpna.3	6.23E-36	0.68083579	0.503	0.225	1.02E-31	8
Cotl1.3	1.89E-35	0.71067638	0.629	0.349	3.12E-31	8
Atp5e.3	3.89E-35	0.57729483	0.827	0.613	6.40E-31	8
Eef1a1.5	2.83E-34	-0.4228505	0.975	0.98	4.66E-30	8
Zyx.7	4.05E-34	0.6180362	0.536	0.25	6.67E-30	8
Lilr4b	5.33E-33	0.60237167	0.294	0.096	8.76E-29	8
Cfp.7	5.78E-33	0.57411231	0.591	0.298	9.51E-29	8
Cyba.3	1.29E-31	0.47625823	0.865	0.71	2.12E-27	8

Colgalt1	1.69E-31	0.61828702	0.332	0.121	2.78E-27	8
H3f3b.2	2.98E-31	-0.556133	0.805	0.906	4.90E-27	8
Cdkn1a.3	4.65E-31	0.59765684	0.486	0.219	7.64E-27	8
Gm10076.2	4.95E-30	0.3976508	0.992	0.951	8.14E-26	8
Csf2ra.2	1.65E-29	0.58968118	0.346	0.135	2.72E-25	8
Efhd2.6	1.74E-29	0.59319801	0.56	0.283	2.86E-25	8
Vim.7	3.57E-29	0.48135089	0.863	0.61	5.87E-25	8
Lmna.2	4.47E-29	0.58869008	0.448	0.2	7.35E-25	8
Myl6.4	1.06E-28	0.48034208	0.841	0.644	1.74E-24	8
Flna.6	3.00E-28	0.61991572	0.544	0.286	4.94E-24	8
mt-Co3.3	5.50E-28	-0.3250654	0.978	0.975	9.05E-24	8
Bcl2a1b.1	6.86E-28	0.55468139	0.423	0.188	1.13E-23	8
Ifitm3.8	8.12E-28	0.31716598	0.816	0.475	1.34E-23	8
Rbpj.3	1.55E-27	0.60327705	0.385	0.166	2.55E-23	8
Nfkbia.6	6.15E-27	0.35352293	0.824	0.505	1.01E-22	8
Atox1.7	7.45E-27	0.4875578	0.72	0.443	1.23E-22	8
Ctsd.8	9.91E-27	0.50121445	0.547	0.278	1.63E-22	8
Fxyd5.8	4.07E-26	0.47823207	0.736	0.452	6.69E-22	8
Tyrobp.8	1.02E-25	0.35623265	0.918	0.593	1.68E-21	8
Zeb2.7	1.35E-25	0.49482812	0.547	0.283	2.22E-21	8
Rpl9-ps6.5	1.47E-25	-0.4729003	0.854	0.908	2.41E-21	8
Icam1.2	3.17E-25	0.57241023	0.382	0.166	5.21E-21	8
Prkcd.1	5.68E-25	0.57639794	0.385	0.174	9.35E-21	8
Sept9.1	4.61E-24	0.58466536	0.346	0.149	7.59E-20	8
Tagln2.4	9.84E-24	0.47394606	0.728	0.478	1.62E-19	8
Cd14.7	1.14E-23	0.42391988	0.505	0.249	1.88E-19	8
Cd44.2	1.33E-23	0.59387033	0.39	0.183	2.20E-19	8
Ubb.2	5.38E-23	-0.4256495	0.769	0.88	8.84E-19	8
Zfp36l1.6	8.11E-23	-0.8038589	0.299	0.539	1.33E-18	8
Mcl1.7	9.01E-23	0.47583334	0.657	0.416	1.48E-18	8
Cebpb.8	4.75E-22	0.37019412	0.588	0.317	7.82E-18	8
Adam15	7.28E-22	0.50644361	0.255	0.097	1.20E-17	8
Nfil3.1	2.50E-21	0.51997371	0.255	0.1	4.11E-17	8
Pid1.3	3.49E-21	0.52608389	0.308	0.132	5.73E-17	8
Fgfr1.2	6.29E-21	0.49296406	0.258	0.101	1.04E-16	8
Rps27.6	1.15E-20	-0.4624774	0.849	0.904	1.88E-16	8
Bcl2a1d.1	1.26E-20	0.46489152	0.335	0.151	2.08E-16	8
B2m.4	1.49E-20	-0.4589933	0.706	0.812	2.45E-16	8
Prcp.1	1.68E-20	0.47961445	0.376	0.179	2.76E-16	8
Id2.1	3.64E-20	0.48868936	0.412	0.205	5.99E-16	8
Apoe.7	4.63E-20	-1.6023466	0.291	0.479	7.61E-16	8
Cd79a.8	6.92E-20	-1.7457674	0.055	0.261	1.14E-15	8
Tgfb1.5	1.59E-19	0.3927243	0.445	0.226	2.61E-15	8

Nme2.3	1.77E-19	0.43989493	0.736	0.542	2.92E-15	8
Eps8.3	1.87E-19	0.49341298	0.313	0.141	3.07E-15	8
Arf5.4	2.04E-19	0.49755576	0.615	0.402	3.36E-15	8
Laptm5.2	2.24E-19	0.4209658	0.827	0.646	3.68E-15	8
Itm2b.7	2.89E-19	-0.7073861	0.709	0.791	4.76E-15	8
Sec61b.4	3.14E-19	0.4903994	0.679	0.473	5.17E-15	8
Malt1	3.53E-19	0.55092296	0.288	0.124	5.81E-15	8
Rpl41.1	4.78E-19	0.46598049	0.876	0.739	7.86E-15	8
Rpl18a.5	8.23E-19	-0.3595906	0.937	0.963	1.35E-14	8
Plbd1.6	9.18E-19	0.40240086	0.448	0.231	1.51E-14	8
Ptprcap.8	1.23E-18	-1.0831772	0.074	0.274	2.03E-14	8
mt-Cytb.3	1.52E-18	-0.3474215	0.879	0.94	2.50E-14	8
2010107E04Ri	2.66E-18	0.47026749	0.505	0.293	4.38E-14	8
Uba52.4	3.27E-18	-0.3299845	0.97	0.975	5.37E-14	8
Arpc2.5	4.61E-18	0.37065144	0.816	0.659	7.58E-14	8
Capza2.3	5.90E-18	0.48808568	0.445	0.249	9.70E-14	8
Psma7.2	6.01E-18	0.46135292	0.527	0.322	9.88E-14	8
Ccnl1.6	6.30E-18	0.47210133	0.505	0.296	1.04E-13	8
Rpl35a.2	7.97E-18	0.36098355	0.843	0.705	1.31E-13	8
Clec4a2.1	1.80E-17	0.41257544	0.275	0.119	2.96E-13	8
Lamtor4.1	2.56E-17	0.45729477	0.387	0.202	4.22E-13	8
Stk17b.5	4.85E-17	-0.8050772	0.255	0.446	7.98E-13	8
Cd37.6	6.79E-17	-0.9763733	0.151	0.338	1.12E-12	8
Uqcc2.1	6.88E-17	0.44749933	0.332	0.164	1.13E-12	8
Limd2.4	9.97E-17	-0.7875833	0.17	0.365	1.64E-12	8
Ramp1.1	1.19E-16	0.3178747	0.277	0.123	1.96E-12	8
Lrp1.1	3.43E-16	0.3976716	0.277	0.125	5.64E-12	8
Ptpre.2	4.37E-16	0.46621627	0.291	0.138	7.19E-12	8
AW112010.7	4.49E-16	-1.2416097	0.082	0.27	7.38E-12	8
Ighm.6	4.60E-16	-1.3794496	0.239	0.423	7.57E-12	8
Tkt.2	8.47E-16	0.53665159	0.379	0.208	1.39E-11	8
Anxa1.1	2.16E-15	0.46980079	0.302	0.146	3.56E-11	8
Rassf4.6	2.87E-15	0.4001557	0.426	0.237	4.72E-11	8
Uqcrq.2	3.02E-15	0.43285605	0.519	0.327	4.97E-11	8
Nfam1.2	3.22E-15	0.37621242	0.283	0.133	5.29E-11	8
Gstm1.6	3.74E-15	-0.5632799	0.475	0.654	6.15E-11	8
Prdx5.5	8.70E-15	0.41565137	0.522	0.326	1.43E-10	8
Ptp4a2.3	1.87E-14	0.40373027	0.473	0.289	3.08E-10	8
Ptafr.2	1.95E-14	0.3772811	0.294	0.141	3.22E-10	8
Sirpa.2	2.53E-14	0.38038752	0.343	0.179	4.16E-10	8
mt-Nd5.4	2.67E-14	-0.4523561	0.53	0.666	4.40E-10	8
Ly6d.7	3.38E-14	-1.1682893	0.148	0.315	5.56E-10	8
Vps37b.6	3.61E-14	-0.9926563	0.085	0.251	5.93E-10	8

Mrpl33.2	3.67E-14	0.42404887	0.379	0.212	6.04E-10	8
Etv3.1	4.61E-14	0.46314845	0.327	0.172	7.58E-10	8
Kctd12.7	4.90E-14	0.29783132	0.571	0.361	8.05E-10	8
Mgl2.8	5.43E-14	0.32278884	0.429	0.237	8.93E-10	8
Rpl3.5	5.50E-14	-0.3751898	0.764	0.841	9.05E-10	8
Glud1.2	7.92E-14	0.45341036	0.437	0.26	1.30E-09	8
Ndufa6.1	8.57E-14	0.40383444	0.577	0.401	1.41E-09	8
Csrnp1.2	1.39E-13	0.3895255	0.382	0.216	2.28E-09	8
Ybx1.1	1.58E-13	0.3674105	0.706	0.547	2.60E-09	8
Tmem160	1.60E-13	0.455182	0.349	0.189	2.62E-09	8
Pim1.5	1.85E-13	0.30020786	0.67	0.439	3.04E-09	8
Kdm6b.7	2.13E-13	0.40528313	0.492	0.303	3.50E-09	8
Atpif1.7	2.78E-13	0.41264624	0.486	0.307	4.57E-09	8
Emp3.4	2.82E-13	0.40180618	0.593	0.426	4.64E-09	8
Malat1.4	3.12E-13	-0.4100759	0.929	0.937	5.13E-09	8
Plek.4	3.41E-13	0.32665712	0.533	0.338	5.60E-09	8
H2-T22.3	0.00173765	0.36243236	0.417	0.158	1	20
Pycard.2	4.37E-13	0.39135554	0.354	0.198	7.19E-09	8
Rac1.3	4.56E-13	0.35471474	0.613	0.425	7.51E-09	8
Iqgap1.2	5.10E-13	0.39942433	0.607	0.433	8.39E-09	8
Gnai2.6	5.28E-13	0.30988977	0.679	0.521	8.69E-09	8
Ctsz.5	5.55E-13	0.36395521	0.53	0.344	9.12E-09	8
Gadd45b.7	9.85E-13	0.27496555	0.426	0.242	1.62E-08	8
Ucp2.3	1.16E-12	0.28694051	0.772	0.589	1.91E-08	8
Capzb.4	1.20E-12	0.35783772	0.643	0.465	1.97E-08	8
Erp29.5	1.72E-12	0.36666131	0.538	0.358	2.83E-08	8
Selenop.8	1.78E-12	-1.3915425	0.299	0.422	2.93E-08	8
H2afz.7	1.82E-12	0.25678194	0.775	0.579	2.99E-08	8
Irf5.2	2.51E-12	0.38407156	0.302	0.161	4.14E-08	8
Reep3	3.75E-12	0.34036159	0.258	0.127	6.17E-08	8
Diaph1.2	4.45E-12	0.30253095	0.324	0.174	7.31E-08	8
Rps3.5	4.50E-12	-0.2955071	0.907	0.913	7.39E-08	8
H2afj.2	4.63E-12	0.37064706	0.547	0.368	7.62E-08	8
Il2rg.6	6.01E-12	-0.716204	0.135	0.291	9.89E-08	8
Egr2.1	6.02E-12	0.28211206	0.272	0.135	9.90E-08	8
Cox4i1	6.85E-12	0.2735396	0.83	0.693	1.13E-07	8
Rrbp1.6	7.11E-12	0.38668721	0.514	0.34	1.17E-07	8
Rpl13a.7	8.29E-12	-0.3807958	0.794	0.814	1.36E-07	8
Marcks.7	8.38E-12	0.32441255	0.5	0.324	1.38E-07	8
Preli1.2	9.22E-12	0.34189751	0.475	0.305	1.52E-07	8
Rpl8.5	9.55E-12	-0.3225353	0.929	0.916	1.57E-07	8
Gltf.4	1.08E-11	0.30965481	0.42	0.25	1.77E-07	8
Rpl19.5	1.93E-11	-0.2676517	0.959	0.954	3.18E-07	8

Nrros.8	1.94E-11	0.33357741	0.448	0.276	3.18E-07	8
Shisa5.6	2.96E-11	-0.6806602	0.332	0.457	4.88E-07	8
Klf2.6	3.41E-11	-0.6319259	0.492	0.6	5.61E-07	8
Ctss.6	6.26E-11	0.25122166	0.69	0.492	1.03E-06	8
Sdf2l1.1	1.14E-10	0.39514734	0.286	0.158	1.88E-06	8
Ncf2.1	1.19E-10	0.35789994	0.299	0.169	1.96E-06	8
Tubb6.1	1.71E-10	0.29780982	0.277	0.148	2.81E-06	8
Bhlhe40.2	1.85E-10	0.25029729	0.319	0.177	3.04E-06	8
Ndufc1	1.96E-10	0.40499725	0.297	0.168	3.22E-06	8
Abracl.5	1.97E-10	0.36525204	0.407	0.254	3.24E-06	8
Chmp4b	2.66E-10	0.3106695	0.365	0.217	4.38E-06	8
Usmg5	2.70E-10	0.38108397	0.412	0.268	4.45E-06	8
Adgre5.5	2.78E-10	0.30631721	0.387	0.234	4.57E-06	8
Rpl10-ps3.1	3.51E-10	-0.2504256	0.863	0.895	5.77E-06	8
Bola2	4.42E-10	0.441461	0.266	0.15	7.27E-06	8
mt-Nd2.3	5.10E-10	-0.3040899	0.731	0.801	8.40E-06	8
H2-T22.1	5.80E-08	0.35866933	0.253	0.154	0.00095406	7
Atp5l.1	5.42E-10	0.35858711	0.651	0.509	8.91E-06	8
Sfr1	5.59E-10	0.362342	0.319	0.189	9.19E-06	8
Cox7c.1	5.98E-10	0.36065948	0.582	0.437	9.83E-06	8
Ptpn18.3	6.08E-10	-0.4135473	0.516	0.618	1.00E-05	8
Plekho1	6.32E-10	0.38046428	0.253	0.137	1.04E-05	8
Pf4.8	7.34E-10	-1.2283897	0.192	0.312	1.21E-05	8
Myo1g.2	8.25E-10	0.31155945	0.272	0.151	1.36E-05	8
Sfn2.2	8.68E-10	0.31948094	0.352	0.212	1.43E-05	8
Rps15a.6	1.03E-09	-0.2857774	0.94	0.951	1.70E-05	8
Mrps24.1	1.23E-09	0.27076108	0.357	0.213	2.02E-05	8
Rpl12.6	1.32E-09	-0.3971411	0.725	0.763	2.17E-05	8
Serinc3.8	1.40E-09	-0.5900622	0.225	0.363	2.30E-05	8
Mrps21	1.45E-09	0.30736936	0.371	0.231	2.38E-05	8
Hexa.6	2.02E-09	0.28908829	0.445	0.284	3.32E-05	8
Cdk2ap2.5	2.15E-09	0.33564907	0.407	0.259	3.54E-05	8
Timm13	3.66E-09	0.34274782	0.343	0.211	6.03E-05	8
Arpc5.1	3.74E-09	0.35401073	0.525	0.372	6.15E-05	8
Cox6b1	4.15E-09	0.32716428	0.56	0.42	6.82E-05	8
Cops9	4.87E-09	0.39504398	0.332	0.207	8.02E-05	8
Mpeg1.2	5.43E-09	0.27255349	0.33	0.197	8.92E-05	8
Txn2	6.09E-09	0.28940897	0.341	0.205	0.0001001	8
Rex1bd	6.90E-09	0.28747959	0.264	0.148	0.00011342	8
Gsn.1	7.54E-09	0.35269099	0.253	0.143	0.00012406	8
S100a13.2	8.65E-09	0.29472082	0.363	0.225	0.00014231	8
Cdc42.1	8.91E-09	0.2759966	0.67	0.532	0.00014654	8
BC005537.2	9.22E-09	0.27066182	0.31	0.186	0.00015164	8

Tspo.4	9.64E-09	0.27622339	0.569	0.416	0.00015853	8
Ypel3.4	1.45E-08	-0.5474524	0.187	0.311	0.00023779	8
H13.2	1.51E-08	0.28173052	0.299	0.177	0.00024911	8
Hsp90b1.2	2.57E-08	0.26730121	0.629	0.468	0.0004224	8
Eif3f.5	2.65E-08	-0.3854771	0.555	0.621	0.00043529	8
Uqcr10	3.32E-08	0.34201082	0.401	0.266	0.00054602	8
Arpc4.2	3.44E-08	0.33825967	0.481	0.336	0.00056633	8
Ndufb8	4.03E-08	0.33753478	0.387	0.257	0.00066224	8
Cox5b.2	5.16E-08	0.25402292	0.574	0.428	0.00084914	8
Metap2	7.22E-08	0.28546704	0.277	0.166	0.00118815	8
Cox6a1.1	8.32E-08	0.27666745	0.56	0.421	0.00136902	8
Kmt2e.3	8.97E-08	-0.5101423	0.157	0.276	0.00147596	8
Taok3.1	1.04E-07	0.31804039	0.313	0.197	0.00170472	8
Fosl2.3	1.21E-07	0.2713401	0.332	0.209	0.00198415	8
Eno1.4	1.86E-07	0.25800349	0.547	0.406	0.00305227	8
Rac2.7	1.86E-07	-0.5090101	0.407	0.485	0.00306622	8
Ddx5.3	1.87E-07	-0.3187873	0.654	0.705	0.00307358	8
Ndufa2	2.49E-07	0.298725	0.462	0.333	0.00408759	8
Jun.8	2.63E-07	-0.986613	0.396	0.466	0.00433109	8
Rpl10.2	2.66E-07	0.25070033	0.799	0.671	0.00437684	8
Grb2	2.99E-07	0.29139553	0.291	0.183	0.00491158	8
Cox6c.1	3.81E-07	0.27480517	0.566	0.442	0.00627451	8
Tma7.2	5.14E-07	0.28414641	0.467	0.33	0.00845825	8
Ndufb4	7.16E-07	0.27783714	0.319	0.209	0.01178007	8
Minos1	9.06E-07	0.28543011	0.299	0.194	0.01489843	8
Ndufv3	9.86E-07	0.25316501	0.338	0.222	0.01621844	8
Pkm.3	1.09E-06	0.26037552	0.423	0.303	0.01788375	8
Atp5g3.1	1.17E-06	0.31571166	0.563	0.453	0.01919235	8
Sec61g.1	1.33E-06	0.26050596	0.473	0.34	0.02184817	8
Tacc1	1.38E-06	0.25834479	0.294	0.187	0.02269219	8
Fkbp2.1	1.54E-06	0.26326296	0.275	0.175	0.02528416	8
Tpm3.1	1.68E-06	0.25765115	0.602	0.489	0.02767633	8
Ifrd1.2	1.93E-06	0.27690585	0.352	0.234	0.0316663	8
Rbm39.4	2.49E-06	-0.3463346	0.459	0.535	0.04099861	8
Ndufa13.2	4.53E-06	0.27985385	0.505	0.396	0.07446283	8
Cox5a.2	1.08E-05	0.28320102	0.481	0.375	0.17825715	8
Atp5g1.1	1.98E-05	0.2720978	0.31	0.216	0.32526552	8
Lcp1.2	2.31E-05	-0.3162495	0.492	0.536	0.38036718	8
Cnbp.6	2.66E-05	-0.3500849	0.357	0.433	0.43718571	8
Naca.4	3.80E-05	-0.2651396	0.621	0.66	0.62486447	8
Srrm2	7.61E-05	-0.2787817	0.442	0.514	1	8
Foxp1.4	7.77E-05	-0.452331	0.192	0.27	1	8
Laptm4a.5	7.78E-05	-0.3792445	0.195	0.276	1	8

Psemb8.3	0.00019127	-0.3421947	0.448	0.481	1	8
Rnaset2a.4	0.00023036	-0.3734543	0.212	0.282	1	8
Fcgrt.7	0.00026618	-0.5329736	0.19	0.26	1	8
Pnrc1.3	0.00027394	-0.3148621	0.456	0.519	1	8
Ctsb.7	0.00032745	-0.7248064	0.475	0.476	1	8
Xist.2	0.00035131	-0.3261575	0.418	0.477	1	8
Ubc.6	0.00045331	-0.3405767	0.503	0.543	1	8
Park7.2	0.00047472	-0.3445941	0.198	0.269	1	8
Arl6ip1.2	0.00075934	-0.2912732	0.272	0.343	1	8
Arpc3.2	0.00094726	-0.2574135	0.497	0.527	1	8
Myl12b.5	0.00096534	-0.2665659	0.462	0.51	1	8
Ccl2.8	0.00105856	-0.2587316	0.393	0.276	1	8
Prrc2c.2	0.0014017	-0.3435097	0.217	0.279	1	8
Hmgb1.3	0.00278012	-0.2684299	0.365	0.422	1	8
Ifngr1.5	0.00300131	-0.3670742	0.341	0.384	1	8
Egr1.7	0.00311095	-0.2742605	0.629	0.449	1	8
Calm2.5	0.00386447	-0.3002809	0.349	0.389	1	8
Snrpb.1	0.00801102	-0.2533859	0.228	0.28	1	8
Sh3glb1.1	0.00854215	-0.279065	0.313	0.353	1	8
Lgmn.7	0.00965389	-0.4759195	0.247	0.281	1	8
Naaa.1	0	1.77032492	0.805	0.098	0	9
Rtl8c	0	1.55194753	0.594	0.026	0	9
Clec9a	0	1.52589831	0.584	0.008	0	9
Ifi205	0	1.41431598	0.498	0.009	0	9
Xcr1	0	1.30322908	0.481	0.002	0	9
Itgae	0	1.0312617	0.348	0.008	0	9
3-Sep	0	1.02772774	0.365	0.006	0	9
Ppt1	9.68E-277	1.58578481	0.737	0.086	1.59E-272	9
Tlr3	2.72E-272	0.79022123	0.256	0.005	4.47E-268	9
Wdfy4.2	2.61E-237	1.57556429	0.768	0.114	4.29E-233	9
Qpct	7.97E-226	1.02228075	0.399	0.026	1.31E-221	9
Irf8.2	1.89E-216	1.54129126	0.928	0.204	3.11E-212	9
Naga	5.01E-208	1.26077489	0.594	0.071	8.24E-204	9
Pianp	2.48E-200	0.74541874	0.266	0.011	4.08E-196	9
Plbd1.7	2.02E-189	1.53080409	0.901	0.215	3.32E-185	9
Cst3.7	1.79E-185	2.08888798	1	0.673	2.95E-181	9
Anpep	3.24E-177	0.82058256	0.317	0.021	5.32E-173	9
Slc25a20	1.18E-170	0.93257554	0.399	0.036	1.93E-166	9
Rtl8b	4.81E-159	0.90309577	0.352	0.03	7.92E-155	9
Ckb.3	5.98E-154	1.36324001	0.836	0.212	9.83E-150	9
Mpeg1.3	2.27E-152	1.31611503	0.785	0.181	3.74E-148	9
St3gal5	2.88E-151	0.91145985	0.461	0.056	4.74E-147	9
Flt3	5.11E-151	0.7814388	0.341	0.03	8.41E-147	9

Tnni2	4.65E-146	0.70819174	0.276	0.019	7.64E-142	9
Gm2a.9	4.72E-143	1.30317726	0.894	0.263	7.76E-139	9
Pak1	2.31E-137	0.8253415	0.413	0.049	3.80E-133	9
Trim35	4.75E-137	1.11990234	0.512	0.077	7.81E-133	9
Rab7b	1.64E-135	1.03854887	0.505	0.075	2.70E-131	9
Pkib	4.93E-133	0.88248037	0.437	0.056	8.12E-129	9
Jaml	3.74E-127	0.85041298	0.416	0.054	6.16E-123	9
Rab32	3.41E-125	0.79947089	0.358	0.04	5.61E-121	9
Cd24a.1	3.62E-125	0.93461031	0.621	0.117	5.95E-121	9
Ahr	2.26E-120	0.92357916	0.478	0.074	3.71E-116	9
Psap.7	5.55E-116	1.06441505	0.997	0.664	9.13E-112	9
Ece1	8.40E-114	0.79160144	0.328	0.037	1.38E-109	9
Ncoa7	3.38E-112	0.86028516	0.478	0.079	5.56E-108	9
Grasp	9.18E-110	0.88221114	0.365	0.048	1.51E-105	9
Ptms.5	7.31E-108	1.12985288	0.819	0.267	1.20E-103	9
H2-Aa	1.65E-51	0.35506248	0.895	0.705	2.72E-47	0
Gng10.1	6.06E-106	1.02388217	0.72	0.194	9.96E-102	9
BC028528	4.88E-105	0.96656227	0.42	0.067	8.02E-101	9
Hepacam2	2.22E-102	0.69971997	0.307	0.036	3.66E-98	9
Ppm1m	1.98E-100	0.8294528	0.427	0.071	3.26E-96	9
Pfkip	3.21E-96	0.7765324	0.457	0.082	5.29E-92	9
Nr4a2.3	5.37E-95	1.0919849	0.672	0.183	8.83E-91	9
Anxa1.2	7.70E-95	0.91235262	0.59	0.136	1.27E-90	9
Rab11fip1	1.20E-94	0.91910192	0.362	0.055	1.97E-90	9
Tmsb10.7	1.23E-93	0.91776471	1	0.777	2.03E-89	9
Atox1.8	9.98E-91	1.00136442	0.918	0.438	1.64E-86	9
Fgl2.1	2.26E-89	0.8573919	0.522	0.112	3.72E-85	9
Arsb.1	8.50E-87	0.70830062	0.369	0.059	1.40E-82	9
Rnase6	1.08E-86	0.77370178	0.451	0.088	1.78E-82	9
Txndc15	7.83E-85	0.6756507	0.375	0.063	1.29E-80	9
Tmsb4x.6	9.26E-84	0.60070314	1	0.993	1.52E-79	9
Cbfa2t3.1	9.78E-84	0.85526217	0.563	0.136	1.61E-79	9
Bcl2a1a	1.42E-83	0.73812217	0.365	0.061	2.34E-79	9
Lsp1.8	1.11E-81	0.90181398	0.915	0.376	1.83E-77	9
Psemb9.3	3.28E-81	0.89575494	0.713	0.224	5.39E-77	9
Pmaip1.1	3.60E-81	0.84587865	0.433	0.087	5.92E-77	9
H2-Oa.1	4.73E-36	0.34228296	0.305	0.127	7.78E-32	2
Olfm1.2	4.54E-75	0.76429455	0.44	0.094	7.47E-71	9
Atpif1.8	2.51E-72	0.85978051	0.795	0.296	4.13E-68	9
Lrrk2	1.37E-71	0.55776983	0.266	0.038	2.25E-67	9
Gm6377	2.42E-70	0.63596991	0.324	0.056	3.97E-66	9
Camk1d	5.29E-70	0.66896556	0.41	0.086	8.70E-66	9
Tbc1d8	1.48E-69	0.5794365	0.266	0.039	2.44E-65	9

Tbc1d9	6.59E-67	0.67178232	0.317	0.057	1.08E-62	9
Bcl2a1d.2	1.09E-66	0.76202387	0.536	0.145	1.79E-62	9
Alox5ap.9	1.24E-65	0.77901697	0.884	0.379	2.03E-61	9
Shtn1	7.48E-65	0.61825904	0.328	0.061	1.23E-60	9
Ucp2.4	3.70E-64	0.79238194	0.935	0.585	6.08E-60	9
H2afz.8	2.10E-63	0.83806782	0.945	0.574	3.46E-59	9
Crip1.7	9.80E-62	0.67093068	0.993	0.71	1.61E-57	9
Gpr171	1.56E-59	0.57546638	0.345	0.07	2.56E-55	9
Plp2.2	2.86E-59	0.65471562	0.512	0.142	4.71E-55	9
H2-K1.12	0.000461	0.33852785	0.971	0.842	1	18
H2afy.5	1.77E-56	0.67670086	0.679	0.236	2.91E-52	9
Gpr65	3.92E-56	0.57362635	0.311	0.062	6.44E-52	9
H2-D1.1	4.48E-28	0.32546915	0.964	0.886	7.37E-24	5
Eef1b2.3	4.85E-55	0.70168353	0.952	0.659	7.98E-51	9
Fnbp1.1	5.04E-55	0.76082999	0.618	0.211	8.29E-51	9
S100a11.6	5.25E-55	0.7632421	0.823	0.382	8.64E-51	9
H2-Q4.4	3.91E-05	0.32034699	0.417	0.215	0.64342673	16
Pomp.3	9.38E-55	0.73231205	0.741	0.306	1.54E-50	9
Rab43	1.29E-54	0.51046561	0.314	0.064	2.13E-50	9
Sh3bp1	2.48E-54	0.55662512	0.362	0.082	4.09E-50	9
Bri3bp.1	2.87E-53	0.62929001	0.43	0.114	4.72E-49	9
Actg1.5	6.68E-53	0.51684197	0.993	0.898	1.10E-48	9
Cd180	1.30E-51	0.62761162	0.389	0.098	2.14E-47	9
Commd8	2.52E-51	0.62125162	0.345	0.08	4.14E-47	9
Cd74.7	3.25E-51	0.54492347	1	0.82	5.34E-47	9
Rps11.4	8.68E-51	0.42521071	0.99	0.966	1.43E-46	9
Egr3	1.60E-49	0.55917991	0.358	0.086	2.63E-45	9
Slamf7.1	2.35E-49	0.69994835	0.416	0.116	3.87E-45	9
Itgb7.2	3.46E-49	0.53009104	0.553	0.173	5.69E-45	9
Taldo1.3	4.58E-49	0.64241677	0.679	0.263	7.54E-45	9
Batf3.1	4.87E-49	0.58480684	0.375	0.095	8.01E-45	9
Man2b1.6	8.89E-49	0.69270751	0.7	0.284	1.46E-44	9
Prkar2a	1.46E-48	0.55130944	0.297	0.064	2.40E-44	9
Cd9.1	2.07E-48	0.55199708	0.427	0.117	3.41E-44	9
Sub1.5	4.91E-48	0.66306996	0.853	0.448	8.08E-44	9
6-Sep	1.84E-47	0.54001787	0.403	0.108	3.03E-43	9
Unc119.1	3.15E-47	0.62751463	0.369	0.096	5.18E-43	9
Phf11b	3.97E-47	0.56063642	0.304	0.068	6.53E-43	9
Cyca.4	3.95E-45	0.62291054	0.621	0.232	6.50E-41	9
Irf5.3	7.10E-45	0.58838229	0.488	0.155	1.17E-40	9
Fgd2	4.63E-44	0.55349891	0.334	0.084	7.62E-40	9
Psme1.5	5.76E-44	0.64833903	0.785	0.39	9.48E-40	9
Rala.1	1.34E-43	0.584614	0.505	0.17	2.20E-39	9

Actb.4	1.72E-43	0.41972045	1	0.993	2.83E-39	9
Psmb8.4	4.87E-43	0.58271726	0.86	0.465	8.02E-39	9
Dynlt1b	8.76E-43	0.55400077	0.304	0.073	1.44E-38	9
Basp1	1.16E-42	0.54887285	0.304	0.073	1.92E-38	9
Clic4.7	6.14E-40	0.53434744	0.614	0.238	1.01E-35	9
Cd52.6	1.50E-39	0.49007515	0.973	0.725	2.47E-35	9
Anxa2.9	1.74E-39	0.5605352	0.638	0.261	2.87E-35	9
Cytip.6	3.49E-38	0.48764634	0.727	0.312	5.74E-34	9
Rplp0.5	9.94E-38	0.40099019	0.993	0.9	1.63E-33	9
Apoe.8	1.49E-37	-2.7486214	0.119	0.484	2.45E-33	9
Ccnd1.1	3.08E-37	0.55512409	0.396	0.122	5.07E-33	9
Cass4	1.32E-36	0.45279455	0.263	0.064	2.17E-32	9
Lgals3.8	7.52E-36	0.47751607	0.747	0.334	1.24E-31	9
Itpr1	5.96E-35	0.34574232	0.294	0.077	9.80E-31	9
Alcam.1	9.68E-35	0.48137946	0.256	0.064	1.59E-30	9
Dctpp1	1.32E-34	0.48247607	0.266	0.068	2.18E-30	9
Vim.8	1.42E-34	0.5688801	0.928	0.61	2.34E-30	9
Chd7	4.02E-34	0.47139941	0.355	0.107	6.62E-30	9
Tmem176b.6	5.78E-34	-1.5057273	0.092	0.452	9.51E-30	9
Ppp1r11	8.40E-34	0.45856145	0.468	0.167	1.38E-29	9
Agpat4.1	1.37E-33	0.53539624	0.283	0.078	2.25E-29	9
Zyx.8	1.44E-33	0.55911985	0.587	0.25	2.37E-29	9
Pafah1b3	2.18E-33	0.42935124	0.27	0.07	3.59E-29	9
Id2.2	2.37E-33	0.5481813	0.515	0.203	3.90E-29	9
Clec12a.1	3.27E-33	0.42978127	0.341	0.102	5.39E-29	9
H2-Q4.1	1.61E-06	0.31632959	0.309	0.213	0.02643882	7
Arpc2.6	7.47E-33	0.49256241	0.932	0.656	1.23E-28	9
Gsn.2	7.48E-33	0.40110895	0.413	0.138	1.23E-28	9
Efhd2.7	2.66E-32	0.48611505	0.642	0.283	4.38E-28	9
Calm1.2	3.27E-32	0.43531342	0.959	0.708	5.39E-28	9
Got2	1.69E-31	0.38575508	0.273	0.074	2.78E-27	9
Lmnb1	1.85E-31	0.47573588	0.311	0.093	3.04E-27	9
Plekho2.2	3.39E-31	0.45053419	0.471	0.174	5.57E-27	9
Hfe.1	5.80E-31	0.5268036	0.321	0.099	9.55E-27	9
Gusb	1.85E-30	0.43922912	0.345	0.11	3.05E-26	9
Actr3.3	2.26E-30	0.51791592	0.857	0.512	3.72E-26	9
Aif1.2	6.32E-30	0.41690691	0.498	0.189	1.04E-25	9
Fuca1	8.46E-30	0.46255762	0.406	0.143	1.39E-25	9
Selenop.9	1.42E-29	-2.2445488	0.116	0.428	2.34E-25	9
Tbca.1	2.82E-29	0.51065815	0.608	0.267	4.64E-25	9
Ifi35	1.17E-28	0.46923312	0.266	0.077	1.93E-24	9
Cxcl16	1.27E-28	0.35197943	0.328	0.103	2.08E-24	9
Skap2	1.83E-28	0.41446177	0.338	0.111	3.01E-24	9

Sh3bgrl3.4	2.40E-28	0.41233299	0.969	0.739	3.95E-24	9
S100a6.8	2.43E-28	-0.8463568	0.631	0.757	4.00E-24	9
Rpl18.4	4.18E-28	0.30994841	0.99	0.921	6.88E-24	9
Myadm.1	4.20E-28	0.39560576	0.328	0.106	6.91E-24	9
Cyb5a	6.06E-28	0.4453115	0.522	0.214	9.97E-24	9
Rps5.5	1.03E-26	0.28511698	0.983	0.961	1.69E-22	9
Napsa.8	1.25E-26	0.29630806	0.597	0.251	2.06E-22	9
Cpne3	3.69E-26	0.36320018	0.3	0.096	6.08E-22	9
Gdi2.3	4.87E-26	0.45508085	0.717	0.362	8.00E-22	9
Skil	1.05E-25	0.50024338	0.341	0.12	1.73E-21	9
Dock10.1	5.37E-25	0.45304488	0.464	0.193	8.83E-21	9
Syng2.6	5.41E-25	0.38735177	0.539	0.237	8.90E-21	9
Rpl28.3	5.86E-25	0.30987925	0.983	0.911	9.64E-21	9
Sec61g.2	5.97E-25	0.41723678	0.686	0.333	9.82E-21	9
C1qb.8	6.90E-25	-2.1135993	0.082	0.363	1.13E-20	9
Csf1r.8	7.00E-25	-1.6058449	0.061	0.343	1.15E-20	9
H3f3b.3	1.44E-24	-0.5810399	0.915	0.901	2.37E-20	9
Tbrg1	1.93E-24	0.40636821	0.283	0.093	3.17E-20	9
C1qc.8	2.80E-24	-2.1450618	0.068	0.344	4.61E-20	9
Trib1.4	4.51E-24	0.40406481	0.495	0.217	7.41E-20	9
Anxa6.2	5.00E-24	0.36966736	0.444	0.179	8.22E-20	9
Cybb.6	5.81E-24	-1.2649381	0.065	0.339	9.56E-20	9
Csf2ra.3	6.68E-24	0.38351648	0.365	0.137	1.10E-19	9
Hcls1.1	9.28E-24	0.37434008	0.522	0.227	1.53E-19	9
Cnih4	1.24E-23	0.39987655	0.311	0.107	2.04E-19	9
Rgs10.7	1.38E-23	0.35143045	0.584	0.264	2.27E-19	9
Rps26.5	2.79E-23	0.28127386	0.99	0.932	4.59E-19	9
Ccdc12.1	4.79E-23	0.41916784	0.491	0.217	7.88E-19	9
Rps27a.3	4.99E-23	0.27603976	0.993	0.934	8.22E-19	9
Cd86	6.54E-23	0.35477208	0.273	0.09	1.08E-18	9
Tmem176a.6	1.04E-22	-1.3069648	0.082	0.343	1.71E-18	9
Fbl.1	1.24E-22	0.33547165	0.42	0.169	2.04E-18	9
C1qa.8	1.40E-22	-2.0386847	0.078	0.34	2.30E-18	9
Rgs2	1.86E-22	0.28313146	0.474	0.2	3.06E-18	9
B2m.5	1.86E-22	-0.5508753	0.799	0.808	3.07E-18	9
Mrc1.8	5.17E-22	-1.4858095	0.055	0.315	8.50E-18	9
Fam129a	1.07E-21	0.29955208	0.273	0.092	1.76E-17	9
Tap1	1.67E-21	0.34872943	0.348	0.134	2.74E-17	9
Ier5.6	1.98E-21	0.35008585	0.703	0.358	3.25E-17	9
H13.3	2.64E-21	0.30443048	0.42	0.173	4.35E-17	9
Rpl10-ps3.2	2.85E-21	0.30552185	0.983	0.89	4.68E-17	9
H2-Q6.1	3.20E-12	0.29820543	0.288	0.151	5.26E-08	6
Cebpb.9	4.49E-21	-1.2954896	0.085	0.339	7.38E-17	9

Arhgap18	4.95E-21	0.30923731	0.283	0.098	8.15E-17	9
Itm2c.1	5.24E-21	0.33245089	0.464	0.2	8.61E-17	9
Pltp.9	7.37E-21	-1.331307	0.089	0.346	1.21E-16	9
Rpl37.2	1.13E-20	0.29802879	0.98	0.927	1.85E-16	9
H2-Oa.3	2.96E-21	0.29739866	0.352	0.136	4.87E-17	9
Rpl17.4	1.51E-20	0.37072198	0.863	0.56	2.48E-16	9
Phlda1.1	1.92E-20	0.43821528	0.365	0.15	3.15E-16	9
Pf4.9	1.92E-20	-1.8965806	0.068	0.315	3.15E-16	9
Mrpl52.2	2.32E-20	0.33205697	0.614	0.307	3.82E-16	9
Wfdc17.7	3.24E-20	-1.398398	0.092	0.339	5.32E-16	9
Sec61b.5	3.67E-20	0.39273349	0.788	0.471	6.04E-16	9
Zeb2.8	4.08E-20	-1.1113282	0.061	0.305	6.71E-16	9
Spi1.7	4.22E-20	0.34753794	0.601	0.294	6.95E-16	9
F13a1.7	4.68E-20	-1.5378866	0.048	0.288	7.70E-16	9
Tes	4.97E-20	0.25158812	0.28	0.099	8.18E-16	9
Lamp1.8	5.34E-20	-1.125344	0.205	0.422	8.78E-16	9
Rpl22.3	9.67E-20	0.29891927	0.973	0.822	1.59E-15	9
Rpl36al.2	1.07E-19	0.35365014	0.87	0.601	1.76E-15	9
Mlec	1.44E-19	0.32434321	0.273	0.098	2.36E-15	9
Nfkbiz.7	1.67E-19	-1.2550071	0.232	0.449	2.75E-15	9
Fgfr1.3	1.87E-19	0.26501315	0.283	0.102	3.07E-15	9
Txn1.3	1.89E-19	0.37754836	0.505	0.241	3.10E-15	9
Mvb12a	1.90E-19	0.25898876	0.276	0.099	3.13E-15	9
Myo1f.1	2.26E-19	0.29289015	0.314	0.12	3.72E-15	9
Plekho1.1	2.97E-19	0.25239286	0.345	0.134	4.89E-15	9
Rtraf.1	2.98E-19	0.36702659	0.529	0.257	4.90E-15	9
Gstm1.7	3.18E-19	-0.7404955	0.529	0.65	5.23E-15	9
Evi2a	3.31E-19	0.29592206	0.294	0.109	5.44E-15	9
Nr4a1.4	3.58E-19	0.30461054	0.823	0.493	5.89E-15	9
Ctsd.9	4.10E-19	-1.1902208	0.065	0.299	6.74E-15	9
Atg3	4.53E-19	0.3275318	0.314	0.121	7.45E-15	9
Pdia3.1	7.65E-19	0.36591046	0.662	0.358	1.26E-14	9
Rpl14.6	1.07E-18	0.28986971	0.962	0.78	1.76E-14	9
Spag9	1.46E-18	0.27329417	0.314	0.122	2.40E-14	9
Nr4a3.1	1.87E-18	0.38301666	0.266	0.099	3.07E-14	9
Cyth4.2	2.14E-18	0.31196589	0.478	0.223	3.52E-14	9
Il2rg.7	3.64E-18	-1.1085938	0.068	0.292	5.99E-14	9
Cd83.6	4.35E-18	0.27698302	0.799	0.458	7.15E-14	9
Cd79a.9	4.37E-18	-1.9504424	0.041	0.259	7.19E-14	9
Rps28.2	5.09E-18	0.32300446	0.956	0.792	8.37E-14	9
Notch2	6.78E-18	0.32247827	0.29	0.113	1.12E-13	9
Itm2b.8	7.77E-18	-0.809607	0.826	0.786	1.28E-13	9
P2ry10	1.77E-17	0.25311628	0.273	0.102	2.91E-13	9

Avpi1.1	1.83E-17	0.25351954	0.253	0.091	3.00E-13	9
Cbr2.8	2.03E-17	-1.3325765	0.034	0.251	3.33E-13	9
Tnfaip8.1	2.10E-17	0.36888279	0.389	0.177	3.45E-13	9
Serf2.7	2.36E-17	0.32449054	0.935	0.755	3.88E-13	9
Ifngr1.6	3.32E-17	0.25845192	0.683	0.371	5.45E-13	9
Fxyd5.9	3.33E-17	0.2654277	0.778	0.453	5.47E-13	9
Nap11.4	3.70E-17	0.32581638	0.509	0.251	6.08E-13	9
Ptprcap.9	3.87E-17	-1.2114738	0.061	0.273	6.37E-13	9
Rpl27.4	5.04E-17	0.2567866	0.959	0.824	8.29E-13	9
Ldha.4	5.09E-17	0.2652396	0.625	0.328	8.37E-13	9
Fth1.6	1.16E-16	-0.5598905	0.962	0.958	1.90E-12	9
Mafb.7	1.17E-16	-1.4708481	0.061	0.272	1.92E-12	9
Rpl39.6	1.20E-16	0.25460136	0.973	0.886	1.97E-12	9
Clec10a.8	1.35E-16	-1.2993873	0.048	0.253	2.23E-12	9
Jun.9	1.75E-16	-1.5500976	0.3	0.469	2.88E-12	9
Psme2.4	1.99E-16	0.31713968	0.597	0.324	3.27E-12	9
Sept9.2	2.33E-16	0.26046303	0.352	0.151	3.83E-12	9
Pgam1.1	2.38E-16	0.26754714	0.352	0.151	3.92E-12	9
Plin2.1	2.68E-16	0.26019744	0.29	0.115	4.40E-12	9
Rps27l.4	3.21E-16	0.25194025	0.577	0.297	5.28E-12	9
Ctsb.8	3.33E-16	-1.4094107	0.345	0.481	5.48E-12	9
Lgmn.8	5.76E-16	-1.153845	0.082	0.287	9.48E-12	9
Usmg5.1	7.43E-16	0.2819512	0.526	0.265	1.22E-11	9
Atp6v1g1.1	1.04E-15	0.26037724	0.553	0.282	1.71E-11	9
Serinc3.9	1.38E-15	-1.0548417	0.174	0.364	2.27E-11	9
Twf2.1	1.44E-15	0.2817792	0.297	0.123	2.36E-11	9
C1qbp	1.74E-15	0.26972088	0.311	0.131	2.87E-11	9
Ctnna1	2.19E-15	0.26962787	0.263	0.105	3.61E-11	9
Mgl2.9	3.90E-15	-1.1587148	0.058	0.253	6.41E-11	9
Atp1a1.2	3.91E-15	0.26297636	0.451	0.219	6.42E-11	9
Sdf2l1.2	3.94E-15	0.2769651	0.348	0.157	6.48E-11	9
Tspan13.1	5.25E-15	0.25998383	0.352	0.158	8.63E-11	9
Gpcpd1.2	6.10E-15	0.25482419	0.338	0.15	1.00E-10	9
Ssr4.3	6.17E-15	0.29572711	0.648	0.359	1.02E-10	9
Capg.6	9.09E-15	-0.9575146	0.072	0.265	1.50E-10	9
Ctsa.7	1.48E-14	-0.9383056	0.102	0.291	2.44E-10	9
Mpc2.1	1.75E-14	0.26360187	0.406	0.196	2.88E-10	9
Mdh1.1	3.49E-14	0.26596464	0.42	0.205	5.73E-10	9
Rbm17	4.43E-14	0.25555002	0.259	0.107	7.29E-10	9
M6pr	5.75E-14	0.25766763	0.365	0.171	9.46E-10	9
Stard3nl	7.87E-14	0.28819986	0.321	0.144	1.29E-09	9
Ppib	9.61E-14	0.2841755	0.676	0.401	1.58E-09	9
Sh3bgrl.1	1.03E-13	0.26856762	0.379	0.178	1.69E-09	9

Ighm.7	1.19E-13	-1.5647993	0.263	0.42	1.96E-09	9
Ndufa6.2	1.26E-13	0.29609327	0.672	0.399	2.07E-09	9
Eif1	1.31E-13	-0.342008	0.894	0.872	2.15E-09	9
Sdc3.2	1.41E-13	0.26840425	0.348	0.164	2.32E-09	9
Fcer1g.7	1.93E-13	-0.9808924	0.587	0.576	3.18E-09	9
Eif3k.4	3.52E-13	0.27060449	0.724	0.432	5.79E-09	9
Atp5e.4	3.66E-13	0.26256254	0.874	0.613	6.03E-09	9
mt-Atp8.6	3.73E-13	-0.3153294	0.976	0.927	6.14E-09	9
Tagln2.5	3.77E-13	0.25568564	0.771	0.479	6.21E-09	9
Marcksl1.7	4.15E-13	-1.1857453	0.304	0.44	6.83E-09	9
Polr1d	4.89E-13	0.26361216	0.532	0.289	8.04E-09	9
Cxcl2.9	7.29E-13	-1.6716604	0.078	0.257	1.20E-08	9
Klf2.7	8.38E-13	-0.820054	0.519	0.598	1.38E-08	9
Smdt1.5	1.01E-12	0.29123138	0.587	0.344	1.67E-08	9
Csf2rb.1	1.14E-12	0.25156937	0.27	0.119	1.88E-08	9
Fyb.6	1.22E-12	-0.9056338	0.085	0.256	2.00E-08	9
Ppp2ca	1.33E-12	0.25380242	0.283	0.127	2.18E-08	9
mt-Nd2.4	2.20E-12	-0.4323215	0.846	0.796	3.63E-08	9
Socs3.8	3.26E-12	-0.9611855	0.119	0.285	5.37E-08	9
Ly6d.8	3.78E-12	-1.1946983	0.147	0.314	6.21E-08	9
Junb.6	5.45E-12	-0.5132011	0.87	0.842	8.97E-08	9
Gltf.5	1.00E-11	0.28369619	0.461	0.25	1.65E-07	9
Rac2.8	3.72E-11	-0.7436007	0.392	0.485	6.12E-07	9
Cd14.8	4.77E-11	-1.1685536	0.116	0.266	7.85E-07	9
Mt1.9	5.92E-11	-1.3158983	0.304	0.42	9.74E-07	9
Arhgdib.6	7.61E-11	-0.6020546	0.58	0.596	1.25E-06	9
Ifi2712a.8	1.00E-10	-1.0257939	0.27	0.408	1.65E-06	9
Herpud1.1	5.19E-10	0.29103679	0.338	0.18	8.54E-06	9
Ier3.6	9.12E-10	-1.057396	0.195	0.331	1.50E-05	9
Hspa8.2	1.60E-09	0.2632696	0.894	0.719	2.62E-05	9
Nfkbia.7	2.24E-09	-0.6059192	0.413	0.524	3.68E-05	9
Calm2.6	2.44E-09	-0.7354967	0.283	0.391	4.02E-05	9
Ly6e.7	2.60E-09	-0.5099412	0.846	0.747	4.27E-05	9
Limd2.5	3.93E-09	-0.7574254	0.242	0.36	6.46E-05	9
Cfp.8	4.85E-08	-0.7654064	0.198	0.316	0.00079697	9
Ctsc.7	5.66E-08	-0.8760705	0.341	0.418	0.00093033	9
Tnfaip3.6	5.83E-08	-0.7078068	0.215	0.333	0.00095977	9
Atp6v0c.7	8.45E-08	-0.7119222	0.358	0.426	0.00138981	9
Ccl2.9	1.29E-07	-1.231429	0.167	0.285	0.00211724	9
Lgals1.6	1.75E-07	-0.829202	0.331	0.406	0.00288326	9
Cd37.7	2.08E-07	-0.8356384	0.239	0.333	0.0034218	9
Ypel3.5	2.09E-07	-0.688975	0.205	0.309	0.00343266	9
H2-T23	4.59E-05	0.2855631	0.571	0.22	0.75497138	18

Pnrc1.4	7.31E-07	-0.5874141	0.519	0.516	0.0120265	9
Gm42418	1.11E-06	-0.2660992	1	1	0.01823208	9
mt-Nd4.4	1.40E-06	-0.3379562	0.747	0.701	0.02310969	9
mt-Nd5.5	2.61E-06	-0.3786376	0.703	0.658	0.04289859	9
Cltc.7	2.78E-06	-0.6459507	0.249	0.335	0.04573852	9
Gadd45b.8	3.25E-06	-0.6359331	0.15	0.255	0.05340212	9
Jund.7	4.41E-06	-0.5532367	0.751	0.68	0.07259562	9
Shisa5.7	8.39E-06	-0.6675147	0.437	0.452	0.13794015	9
Neat1.7	1.47E-05	-0.7753996	0.259	0.329	0.24122073	9
Ftl1.7	3.53E-05	-0.6417042	0.962	0.888	0.58089104	9
Gpx4	5.36E-05	-0.4567143	0.41	0.444	0.88170624	9
Jak1.4	5.95E-05	-0.5796452	0.256	0.322	0.97939458	9
Rap1b.5	6.89E-05	-0.5252545	0.382	0.416	1	9
Emp3.5	0.00010252	-0.5075647	0.406	0.435	1	9
Snx5.8	0.00011798	-0.6046499	0.266	0.319	1	9
Ehd4.7	0.00013132	-0.6194654	0.201	0.269	1	9
Ubc.7	0.00014387	-0.4743682	0.556	0.54	1	9
Ifitm2.8	0.00014855	-0.698654	0.365	0.392	1	9
Ccl6.9	0.00014906	-0.9377623	0.403	0.413	1	9
Foxp1.5	0.00019252	-0.5721986	0.201	0.268	1	9
Ddx5.4	0.00020481	-0.3049959	0.765	0.7	1	9
Klf6.8	0.00022054	-0.5851143	0.529	0.53	1	9
Tmem50a.2	0.00031675	-0.5244806	0.307	0.347	1	9
AW112010.8	0.00062841	-0.9548156	0.205	0.263	1	9
Ctss.7	0.00068486	-0.5192359	0.56	0.499	1	9
Cstb.6	0.00159273	-0.5278027	0.208	0.259	1	9
Ier2.7	0.00235952	-0.4949139	0.608	0.554	1	9
Ctsh.6	0.00335761	-0.4671415	0.382	0.386	1	9
Bri3.7	0.00382176	-0.5216519	0.369	0.372	1	9
Zfp36l1.7	0.0046332	-0.4349633	0.573	0.526	1	9
Laptm4a.6	0.00614407	-0.4516782	0.239	0.273	1	9
Cxcr6	0	2.1937639	0.655	0.026	0	10
Actn2	0	1.52292754	0.345	0.004	0	10
Thy1.2	3.71E-291	2.17630575	0.775	0.1	6.10E-287	10
Il7r.1	4.67E-253	1.86792881	0.587	0.059	7.68E-249	10
Cd3e.1	5.87E-231	1.75960323	0.689	0.094	9.66E-227	10
Cd3g.1	2.37E-218	1.74826244	0.686	0.1	3.90E-214	10
Il18r1	1.69E-193	1.25777321	0.263	0.012	2.79E-189	10
Ramp1.2	2.35E-193	1.88324257	0.655	0.11	3.87E-189	10
Lat.1	6.76E-163	1.50062864	0.57	0.088	1.11E-158	10
Cd3d.1	1.06E-134	1.44376823	0.539	0.094	1.75E-130	10
Icos	4.13E-118	1.28649865	0.345	0.042	6.79E-114	10
Cd74.8	4.70E-113	-3.3082494	0.273	0.848	7.73E-109	10

Rora	1.67E-101	1.16274924	0.304	0.037	2.75E-97	10
Serpinb1a	6.12E-97	1.22284945	0.341	0.049	1.01E-92	10
Tmem176a.7	6.75E-97	1.38843522	0.778	0.316	1.11E-92	10
H2-DMa.12	0.00021896	0.28457354	0.857	0.424	1	18
H2-DMa.11	2.60E-05	0.28043092	0.815	0.423	0.42791856	17
S100a6.9	6.93E-93	1.05110346	0.966	0.744	1.14E-88	10
H2-Aa.1	2.78E-57	0.27580154	0.991	0.705	4.58E-53	1
Pxdc1	8.48E-83	1.12567388	0.283	0.04	1.39E-78	10
Ifngr1.7	2.16E-80	1.27324873	0.775	0.367	3.55E-76	10
Lmo4	3.78E-80	1.30252909	0.399	0.085	6.21E-76	10
Rinl.1	5.77E-79	1.20723856	0.375	0.075	9.48E-75	10
Rgcc	1.04E-78	1.32065311	0.352	0.065	1.71E-74	10
Tyrobp.9	1.05E-74	-2.6219905	0.034	0.63	1.73E-70	10
Emb.2	2.10E-74	1.30687172	0.57	0.189	3.46E-70	10
Bcl11b	2.04E-71	1.05530944	0.266	0.041	3.35E-67	10
Skap1.2	3.84E-71	1.11735755	0.396	0.089	6.31E-67	10
Sept1.3	7.24E-70	1.16701177	0.519	0.155	1.19E-65	10
Tmem176b.7	2.55E-68	1.13310494	0.816	0.424	4.19E-64	10
Itgb7.3	3.85E-64	1.19976398	0.519	0.174	6.34E-60	10
Ckb.4	5.21E-64	1.18530693	0.584	0.222	8.57E-60	10
Ltb.4	2.57E-63	1.1978995	0.567	0.193	4.23E-59	10
Fcer1g.8	1.08E-61	-2.0399481	0.055	0.597	1.78E-57	10
S100a10.8	4.95E-60	0.94007971	0.795	0.447	8.14E-56	10
Tmsb10.8	7.92E-60	0.68784694	0.986	0.778	1.30E-55	10
Cst3.8	1.27E-59	-2.3457128	0.304	0.7	2.09E-55	10
Klf2.8	8.02E-59	-1.9269844	0.099	0.614	1.32E-54	10
Lyz2.9	3.97E-58	-3.005481	0.072	0.573	6.52E-54	10
S100a11.7	5.12E-58	0.978888	0.734	0.385	8.42E-54	10
Ltb4r1.1	2.90E-57	1.12128481	0.317	0.071	4.77E-53	10
Capg.7	2.52E-56	1.11370675	0.59	0.245	4.15E-52	10
AW112010.9	3.74E-56	0.83131461	0.628	0.247	6.15E-52	10
Itk.1	9.13E-56	0.99293628	0.273	0.053	1.50E-51	10
Selplg.6	5.04E-55	1.02741858	0.638	0.293	8.30E-51	10
Rasgrp1	9.48E-55	1.02625653	0.287	0.06	1.56E-50	10
Zfp36.6	2.92E-54	-1.8363364	0.167	0.629	4.81E-50	10
S100a4.3	7.42E-54	1.20440446	0.481	0.17	1.22E-49	10
Ifitm3.9	1.37E-53	-2.451422	0.024	0.509	2.25E-49	10
Tmem64	3.48E-52	1.10699263	0.3	0.068	5.73E-48	10
Uba52.5	7.66E-51	0.45922452	0.997	0.974	1.26E-46	10
Ikzf3.1	3.17E-50	1.063476	0.379	0.107	5.21E-46	10
Hcst.2	7.08E-50	1.00206769	0.502	0.184	1.16E-45	10
Gimap3.3	5.62E-49	0.9665749	0.457	0.152	9.25E-45	10
Ptprcap.10	5.74E-49	0.9245947	0.604	0.252	9.44E-45	10

Ftl1.8	1.50E-47	-1.2828596	0.737	0.897	2.48E-43	10
Unc93b1.4	8.23E-46	-1.5566834	0.031	0.48	1.35E-41	10
Trbc2.1	1.49E-45	0.98378776	0.283	0.067	2.44E-41	10
Cd83.7	1.92E-45	-1.6986482	0.044	0.487	3.16E-41	10
Cd82.1	2.18E-45	1.07860853	0.399	0.13	3.59E-41	10
Fgl2.2	9.57E-45	1.10580252	0.372	0.118	1.57E-40	10
Marcksl1.8	7.21E-44	-2.1597289	0.024	0.451	1.19E-39	10
H2-D1.5	1.33E-08	0.27079763	0.935	0.889	0.00021895	12
H2-DMb1.9	2.30E-09	0.26599441	0.541	0.322	3.78E-05	11
Apoe.9	1.08E-41	-3.1414335	0.085	0.486	1.78E-37	10
Eef1a1.6	1.34E-41	0.38245866	1	0.979	2.20E-37	10
Alox5ap.10	1.65E-41	-1.8266866	0.003	0.413	2.71E-37	10
Ctss.8	1.77E-41	-1.3919759	0.092	0.517	2.92E-37	10
Ccl6.10	3.01E-41	-2.1252114	0.017	0.428	4.95E-37	10
H3f3b.4	4.15E-40	-0.7598906	0.686	0.91	6.82E-36	10
Jund.8	1.76E-39	-1.1404385	0.304	0.697	2.90E-35	10
Mt1.10	1.11E-37	-2.3274815	0.048	0.43	1.83E-33	10
Ifi27l2a.9	1.12E-37	-1.9266216	0.031	0.417	1.84E-33	10
Nfkbiz.8	5.66E-37	-1.7381609	0.075	0.455	9.32E-33	10
Lgals1.7	1.33E-35	0.89166039	0.655	0.393	2.18E-31	10
Itgal.2	1.84E-35	0.84082691	0.334	0.109	3.03E-31	10
Egr1.8	2.79E-35	-1.938054	0.106	0.471	4.59E-31	10
Ifitm2.9	3.94E-35	-1.5641569	0.031	0.404	6.48E-31	10
Gpr183	1.34E-34	0.90876411	0.338	0.114	2.20E-30	10
Plek.5	3.35E-34	-1.4440818	0.003	0.36	5.52E-30	10
Il2rg.8	8.03E-34	0.84982547	0.546	0.274	1.32E-29	10
Ctsh.7	1.13E-33	-1.2947494	0.034	0.399	1.85E-29	10
Pltp.10	1.68E-32	-1.8759205	0.007	0.35	2.76E-28	10
H2-Q7.13	0.00248688	0.25539121	0.583	0.254	1	20
H2-Aa.5	5.60E-14	-0.2528905	0.546	0.755	9.20E-10	5
Ccnd3.3	2.04E-31	1.0161005	0.375	0.153	3.36E-27	10
Fos.6	4.17E-31	-1.3748743	0.324	0.632	6.85E-27	10
Tagln2.6	4.85E-31	0.74068543	0.71	0.481	7.98E-27	10
Pld4.6	5.39E-31	-1.3245817	0.007	0.338	8.87E-27	10
Cfp.9	1.81E-30	-1.5414717	0	0.324	2.98E-26	10
Csf1r.9	2.36E-30	-1.7534884	0.017	0.345	3.89E-26	10
Ctsc.8	2.89E-30	-1.4188599	0.089	0.427	4.76E-26	10
Marcks.8	4.19E-30	-1.4189085	0.017	0.344	6.89E-26	10
Atf3.7	4.95E-30	-1.4323608	0.184	0.519	8.14E-26	10
Ly86.5	8.19E-30	-1.3035159	0.01	0.33	1.35E-25	10
Sptssa	8.25E-30	0.92236256	0.389	0.167	1.36E-25	10
C1qb.9	9.04E-30	-2.519345	0.044	0.364	1.49E-25	10
Wfdc17.8	9.41E-30	-1.6924664	0.017	0.342	1.55E-25	10

Saraf.1	4.92E-29	0.85817509	0.389	0.166	8.09E-25	10
Mcl1.8	1.10E-28	-1.1732625	0.102	0.44	1.81E-24	10
Spi1.8	2.10E-28	-1.2668637	0.007	0.317	3.45E-24	10
C1qc.9	2.23E-28	-2.5220921	0.038	0.345	3.67E-24	10
Nr4a1.5	3.73E-28	-1.0953334	0.191	0.518	6.13E-24	10
Jun.10	3.96E-28	-1.7784791	0.16	0.474	6.51E-24	10
H2-D1	8.84E-19	-0.2680465	0.783	0.9	1.45E-14	3
Mrc1.9	1.31E-27	-1.7362194	0.014	0.317	2.15E-23	10
Grn.7	1.37E-27	-1.3441084	0.068	0.388	2.26E-23	10
Cybb.7	1.66E-27	-1.2484702	0.027	0.341	2.74E-23	10
Ppia.3	3.05E-27	0.41338203	0.956	0.886	5.01E-23	10
Zeb2.9	7.60E-27	-1.3162998	0.01	0.307	1.25E-22	10
C1qa.9	1.49E-26	-2.1940504	0.044	0.341	2.45E-22	10
Pf4.10	1.55E-26	-2.4394424	0.024	0.317	2.56E-22	10
Ier3.7	3.31E-26	-1.6397397	0.038	0.337	5.45E-22	10
F13a1.8	1.43E-25	-1.7677554	0.007	0.29	2.36E-21	10
Nfkbia.8	2.72E-25	-0.9243603	0.212	0.532	4.48E-21	10
Lgmn.9	3.98E-25	-1.3938947	0.007	0.29	6.55E-21	10
Ier5.7	6.31E-25	-1.0431384	0.072	0.383	1.04E-20	10
Fcgr2b.6	8.63E-25	-1.2097375	0.01	0.289	1.42E-20	10
Fth1.7	9.34E-25	-0.6905627	0.942	0.958	1.54E-20	10
Fxyd5.10	1.04E-24	0.6304859	0.683	0.457	1.72E-20	10
Ctsb.9	2.51E-24	-1.3921185	0.205	0.486	4.12E-20	10
Ctsz.6	2.91E-24	-1.0221099	0.065	0.364	4.78E-20	10
Ly6e.8	2.93E-24	0.44983822	0.904	0.744	4.82E-20	10
Cd68.7	3.31E-24	-1.2567364	0.01	0.282	5.45E-20	10
Nrros.9	4.79E-24	-1.1060797	0.017	0.295	7.88E-20	10
Oaz1.1	5.45E-24	0.46606948	0.863	0.772	8.97E-20	10
Cd81.7	8.64E-24	-1.1911089	0.02	0.296	1.42E-19	10
Ccl2.10	1.08E-23	-2.105583	0.02	0.291	1.77E-19	10
Fcgrt.8	1.72E-23	-1.4027825	0.003	0.267	2.83E-19	10
App.6	7.27E-23	-1.1430345	0.017	0.284	1.20E-18	10
Ehd4.8	8.47E-23	-1.162395	0.014	0.277	1.39E-18	10
Fosb.7	1.11E-22	-1.0082069	0.218	0.513	1.82E-18	10
Dusp1.6	2.10E-22	-1.0205925	0.369	0.615	3.45E-18	10
Mgl2.10	3.12E-22	-1.4167672	0.003	0.255	5.14E-18	10
Rassf4.7	3.50E-22	-1.0788321	0.003	0.255	5.75E-18	10
Prdx6.1	3.59E-22	0.85374822	0.365	0.176	5.90E-18	10
Mafb.8	4.14E-22	-1.6731181	0.017	0.273	6.80E-18	10
Psap.8	8.02E-22	-0.922013	0.502	0.683	1.32E-17	10
Ii1b.8	1.12E-21	-2.0292755	0.007	0.254	1.84E-17	10
Ier2.8	1.44E-21	-0.8987975	0.28	0.566	2.36E-17	10
Napsa.9	1.90E-21	-1.1696006	0.02	0.274	3.12E-17	10

Clec10a.9	3.65E-21	-1.4100861	0.01	0.255	6.01E-17	10
Lyn.5	3.89E-21	-1.0479973	0.007	0.251	6.39E-17	10
Kdm6b.8	5.30E-21	-1.0193063	0.058	0.322	8.71E-17	10
Rpl13a.8	6.91E-21	0.39633507	0.904	0.81	1.14E-16	10
Cd14.9	8.56E-21	-1.4212803	0.024	0.27	1.41E-16	10
Tspo.5	1.06E-20	0.63963736	0.597	0.416	1.75E-16	10
Bri3.8	1.52E-20	-0.8791063	0.102	0.382	2.50E-16	10
Rps24.5	1.69E-20	0.25866382	0.993	0.987	2.78E-16	10
Litaf.3	1.83E-20	-0.9357559	0.024	0.273	3.00E-16	10
Gstp1.4	3.90E-20	0.79951982	0.481	0.291	6.42E-16	10
Hexa.7	8.96E-20	-0.9807932	0.048	0.301	1.47E-15	10
H2-Ab1.4	4.91E-13	-0.2928835	0.521	0.72	8.08E-09	5
Cd69	1.43E-19	0.83312005	0.256	0.099	2.35E-15	10
Eno1.5	3.02E-19	0.63239681	0.58	0.406	4.97E-15	10
Cxcl2.10	8.25E-19	-2.0460712	0.031	0.259	1.36E-14	10
Ncor1	8.29E-19	0.72933999	0.369	0.192	1.36E-14	10
Rel.7	2.40E-18	-0.8588266	0.048	0.289	3.95E-14	10
Rpl12.7	3.37E-18	0.35568251	0.894	0.756	5.55E-14	10
Klf4.7	4.28E-18	-1.2116953	0.137	0.384	7.04E-14	10
Ninj1.7	5.19E-18	-1.1343708	0.027	0.251	8.54E-14	10
Shisa5.8	8.77E-18	0.57390822	0.625	0.445	1.44E-13	10
Prr13.4	1.11E-17	0.67452261	0.44	0.26	1.82E-13	10
Atox1.9	1.17E-17	-0.7364221	0.201	0.466	1.92E-13	10
Gpx1.9	2.14E-17	-0.7529025	0.58	0.717	3.52E-13	10
Gimap4.3	4.24E-17	0.60035402	0.324	0.149	6.97E-13	10
Aldoa.4	4.27E-17	0.64773829	0.529	0.36	7.02E-13	10
B2m.6	5.29E-17	0.37247498	0.881	0.805	8.71E-13	10
Stk24.1	5.65E-17	0.71498189	0.324	0.161	9.30E-13	10
Socs3.9	6.73E-17	-0.9528005	0.061	0.287	1.11E-12	10
Anxa6.3	1.20E-16	0.68139531	0.348	0.183	1.97E-12	10
Neat1.8	1.80E-16	-0.9095928	0.099	0.335	2.95E-12	10
Ly6a.2	2.17E-16	0.76639244	0.341	0.169	3.57E-12	10
Rexo2	3.19E-16	0.72182834	0.321	0.166	5.25E-12	10
H2afz.9	5.68E-16	-0.7157996	0.362	0.597	9.34E-12	10
mt-Atp8.7	5.82E-16	0.27214168	0.956	0.928	9.58E-12	10
Rpl14.7	6.12E-16	0.35781399	0.877	0.783	1.01E-11	10
Kctd12.8	6.20E-16	-0.8490098	0.143	0.38	1.02E-11	10
Atp6v0c.8	6.36E-16	-0.7193939	0.188	0.433	1.05E-11	10
Rplp2.3	6.79E-16	0.28083057	0.959	0.918	1.12E-11	10
Klf6.9	7.89E-16	-0.7558649	0.29	0.539	1.30E-11	10
Rrbp1.7	5.15E-15	-0.6353138	0.119	0.357	8.47E-11	10
Snx5.9	5.50E-15	-0.7195362	0.099	0.325	9.05E-11	10
Ppp1r18.4	6.93E-15	0.63809835	0.413	0.253	1.14E-10	10

Cd79a.10	8.53E-15	-1.5693024	0.065	0.258	1.40E-10	10
Arf5.5	9.85E-15	0.65697044	0.532	0.407	1.62E-10	10
Chd3.1	1.01E-14	0.68076727	0.259	0.12	1.67E-10	10
Cd164	1.03E-14	0.68370684	0.256	0.117	1.70E-10	10
Btg2.6	2.08E-14	-0.527608	0.464	0.679	3.43E-10	10
H2-D1.2	3.98E-13	-0.3079294	0.827	0.893	6.55E-09	8
Cebpb.10	3.64E-14	-0.8724591	0.123	0.337	5.98E-10	10
Smpdl3a.1	5.95E-14	0.64756782	0.3	0.155	9.79E-10	10
Stat1.1	6.83E-14	0.82531	0.311	0.165	1.12E-09	10
Rpl28.4	8.68E-14	-0.3213325	0.843	0.916	1.43E-09	10
Ccn1.7	9.35E-14	-0.6642431	0.099	0.314	1.54E-09	10
Pfn1.3	1.09E-13	0.2653176	0.918	0.857	1.80E-09	10
Rac2.9	1.18E-13	0.43198883	0.621	0.476	1.94E-09	10
Gdi2.4	1.69E-13	-0.5725015	0.154	0.384	2.78E-09	10
Erp29.6	2.05E-13	-0.5817401	0.147	0.375	3.37E-09	10
Atp6v0b.7	2.46E-13	-0.6213948	0.143	0.368	4.04E-09	10
Psmb8.5	2.76E-13	0.52076903	0.597	0.475	4.53E-09	10
Sdcbp.5	3.60E-13	-0.6660469	0.082	0.282	5.92E-09	10
Man2b1.7	3.89E-13	-0.6564156	0.099	0.307	6.40E-09	10
Gstm1.8	4.78E-13	0.44132233	0.741	0.642	7.87E-09	10
Serp1.5	5.94E-13	-0.5569601	0.16	0.384	9.77E-09	10
Pkm.4	6.90E-13	0.6219354	0.444	0.303	1.14E-08	10
Rabac1	7.99E-13	0.62856613	0.437	0.3	1.31E-08	10
H2-Eb1.4	6.46E-19	-0.3513964	0.485	0.722	1.06E-14	5
Rps29.2	1.38E-12	-0.3305626	0.788	0.898	2.27E-08	10
Ubc.8	1.63E-12	-0.5157202	0.311	0.55	2.68E-08	10
Gapdh.4	2.68E-12	0.37066205	0.788	0.711	4.41E-08	10
Junb.7	3.54E-12	-0.4067689	0.73	0.847	5.82E-08	10
Laptm5.3	5.80E-12	0.33965844	0.754	0.651	9.54E-08	10
Ets1.3	5.84E-12	0.44724688	0.334	0.179	9.61E-08	10
Myh9.4	6.67E-12	0.48099118	0.604	0.498	1.10E-07	10
Ptms.6	7.00E-12	-0.5922601	0.102	0.295	1.15E-07	10
Clta.7	9.74E-12	-0.462795	0.321	0.557	1.60E-07	10
Foxp1.6	1.10E-11	-0.6407234	0.089	0.273	1.80E-07	10
1810058I24Ril	1.22E-11	0.63515531	0.324	0.193	2.01E-07	10
Zfand5.6	1.33E-11	-0.6415411	0.085	0.269	2.19E-07	10
Ucp2.5	1.68E-11	0.43079177	0.669	0.595	2.77E-07	10
Leprot1.2	1.91E-11	0.59291395	0.263	0.138	3.13E-07	10
Akr1a1.6	2.20E-11	-0.4946578	0.15	0.36	3.61E-07	10
Rps27l.5	2.78E-11	-0.5016227	0.116	0.315	4.57E-07	10
Cd52.7	3.93E-11	0.28024608	0.901	0.728	6.46E-07	10
Ccnd2.3	9.87E-11	0.53473168	0.334	0.2	1.62E-06	10
Fyb.7	1.69E-10	-0.6225879	0.085	0.256	2.78E-06	10

Ppp1r12a.2	2.13E-10	0.60590585	0.328	0.203	3.50E-06	10
Clic4.8	3.06E-10	-0.5951685	0.089	0.258	5.03E-06	10
Atpif1.9	4.33E-10	-0.4852372	0.133	0.322	7.12E-06	10
Lgals3.9	4.60E-10	-0.6784439	0.181	0.356	7.56E-06	10
Ighm.8	6.43E-10	-1.1839262	0.239	0.421	1.06E-05	10
Eif4a1.1	6.89E-10	-0.4671258	0.143	0.33	1.13E-05	10
H3f3a.6	7.42E-10	-0.4126272	0.587	0.744	1.22E-05	10
Rps26.6	8.29E-10	-0.2733874	0.887	0.936	1.36E-05	10
Npc2.7	2.13E-09	-0.4515912	0.331	0.519	3.51E-05	10
Rpl35a.3	3.19E-09	-0.3409146	0.543	0.718	5.25E-05	10
Crip1.8	3.21E-09	-0.6319326	0.652	0.723	5.27E-05	10
Diaph1.3	6.86E-09	0.56267398	0.287	0.176	0.00011291	10
Tax1bp1.3	7.10E-09	0.47445499	0.386	0.27	0.00011674	10
Cltc.8	8.04E-09	-0.5164507	0.171	0.338	0.00013224	10
Id2.3	9.30E-09	0.39759038	0.338	0.21	0.00015293	10
Myl12b.6	1.21E-08	0.36884488	0.601	0.504	0.00019868	10
Tgfb1.2	1.25E-08	-0.4064724	0.16	0.335	0.0002057	10
Arpc1b.7	1.50E-08	-0.3438067	0.457	0.629	0.0002474	10
Tuba1b.3	1.63E-08	-0.4855459	0.157	0.327	0.00026881	10
Ppp1r15a.7	1.82E-08	-0.4666249	0.191	0.363	0.00029879	10
Dbi.5	1.85E-08	-0.4082183	0.13	0.298	0.0003039	10
Efhd2.8	1.88E-08	-0.441787	0.133	0.302	0.00030902	10
Plp2.3	2.68E-08	0.50397964	0.256	0.152	0.00044154	10
Ctsa.8	2.87E-08	-0.479094	0.133	0.29	0.00047185	10
Atp5h.3	3.35E-08	0.41291163	0.567	0.495	0.00055038	10
Lamp1.9	4.35E-08	-0.4927605	0.253	0.42	0.0007149	10
Ddx3x.5	5.94E-08	-0.4227284	0.119	0.274	0.00097727	10
Rbm39.5	6.92E-08	0.36596449	0.611	0.528	0.00113782	10
Ndfip1.3	1.21E-07	0.52288882	0.389	0.294	0.00199734	10
Gm42418.1	1.39E-07	0.35740421	1	1	0.00228397	10
Sat1.8	1.90E-07	-0.4474773	0.184	0.345	0.00311848	10
Ccr2.4	1.96E-07	0.49961151	0.307	0.197	0.00322113	10
Fam49b.3	1.96E-07	-0.3782099	0.15	0.305	0.00322133	10
Capza2.4	2.17E-07	-0.3655839	0.116	0.263	0.0035663	10
Prdx1.4	2.30E-07	-0.3492531	0.208	0.386	0.00377838	10
Ndufv3.1	2.77E-07	0.5646907	0.317	0.224	0.00455936	10
Stat3.1	2.80E-07	-0.4313868	0.113	0.251	0.00459759	10
Psme2.5	2.81E-07	0.44598172	0.423	0.331	0.00462551	10
Dock2.3	2.82E-07	0.55039787	0.341	0.247	0.00464565	10
Gltp.6	3.51E-07	-0.3047059	0.116	0.263	0.0057747	10
S100a13.3	3.89E-07	0.56586731	0.321	0.228	0.00639766	10
Ndufa13.3	4.51E-07	0.39062276	0.478	0.398	0.00741598	10
Gm2a.10	5.17E-07	-0.4632277	0.15	0.292	0.00850342	10

Cd37.8	6.18E-07	0.32276629	0.437	0.325	0.01017332	10
Limd2.6	6.43E-07	0.42994973	0.447	0.352	0.01057636	10
Ahnak.7	6.75E-07	0.28929317	0.648	0.543	0.01110314	10
Rap1a.2	7.73E-07	-0.3024799	0.137	0.28	0.01272113	10
Gabarap.4	9.00E-07	-0.292373	0.389	0.572	0.01480391	10
Rpl5.4	1.00E-06	0.29512856	0.727	0.717	0.01646377	10
Spcs2	1.05E-06	0.55865758	0.287	0.198	0.01720468	10
Dock10.2	1.15E-06	0.4363806	0.294	0.199	0.01885896	10
Ldha.5	1.70E-06	0.38432341	0.427	0.336	0.02791858	10
Ptpn1.2	2.40E-06	-0.3469509	0.119	0.251	0.03940342	10
Krtcap2.2	2.63E-06	0.46123572	0.379	0.293	0.04333716	10
Selenow	3.42E-06	0.41286652	0.481	0.432	0.05617787	10
Gng5.5	4.99E-06	-0.2554861	0.427	0.603	0.08213763	10
Sqstm1.3	4.99E-06	-0.3572859	0.242	0.387	0.0821546	10
Cnn2.4	5.34E-06	0.43271608	0.416	0.345	0.08788009	10
Srsf5.1	5.40E-06	-0.2976108	0.215	0.371	0.08888187	10
Calm2.7	6.63E-06	-0.3391287	0.242	0.392	0.10912026	10
Wasf2	7.92E-06	-0.2968142	0.16	0.297	0.13034746	10
Cnbp.7	8.44E-06	0.35043834	0.495	0.427	0.13890101	10
Smdt1.6	9.40E-06	-0.2775123	0.212	0.358	0.15461085	10
Cdk2ap2.6	9.72E-06	0.48215696	0.345	0.262	0.15994952	10
Ptp4a2.4	9.87E-06	-0.2708299	0.164	0.303	0.16230781	10
Ptpn6.6	1.01E-05	-0.2788407	0.133	0.263	0.16685885	10
Vasp.1	1.02E-05	0.44241635	0.263	0.18	0.16810815	10
Clic1.3	1.42E-05	0.33442532	0.546	0.502	0.23425653	10
Syng2.7	1.66E-05	-0.3172498	0.13	0.252	0.27235984	10
Aes	1.67E-05	0.49788702	0.287	0.211	0.27441353	10
Rnf187	1.87E-05	0.48294812	0.266	0.189	0.30710186	10
Hectd1	2.38E-05	0.40221443	0.253	0.173	0.39158593	10
Tmem59	3.12E-05	0.47995375	0.307	0.235	0.51398011	10
Arl6ip1.3	3.20E-05	0.37116109	0.41	0.337	0.52583805	10
Tmed2	3.33E-05	0.40774442	0.331	0.256	0.54819712	10
Xist.3	3.52E-05	0.35500159	0.515	0.473	0.5797218	10
Serinc3.10	3.91E-05	-0.3737854	0.235	0.362	0.64383606	10
Jpt1	4.13E-05	-0.2585204	0.191	0.326	0.6793405	10
Dusp5.5	4.14E-05	0.35550338	0.311	0.227	0.68085855	10
Vps37b.7	5.13E-05	0.31425448	0.334	0.24	0.84372038	10
Prdx5.6	5.27E-05	-0.2932058	0.208	0.34	0.86726849	10
Rbm3.4	5.63E-05	0.29523696	0.587	0.551	0.92639882	10
Cytip.7	6.01E-05	-0.3448902	0.212	0.332	0.98814083	10
Bcl2a1b.2	6.76E-05	0.42432868	0.273	0.196	1	10
Btg1.5	0.00010108	-0.3638515	0.468	0.577	1	10
Vps28.2	0.00011032	0.47522663	0.259	0.194	1	10

Gabarapl2.1	0.00012788	0.49220882	0.28	0.214	1	10
Rpl4.5	0.00015059	0.28346793	0.652	0.644	1	10
Sec11c.1	0.00020218	0.37934655	0.328	0.26	1	10
Mif.5	0.00020868	0.37258752	0.311	0.246	1	10
Dnajc3	0.00022877	0.4267404	0.297	0.234	1	10
Prkar1a.2	0.00029699	0.39850647	0.294	0.228	1	10
Fis1.3	0.00029804	0.3866078	0.355	0.297	1	10
Arhgap45.5	0.00031885	0.34957729	0.379	0.312	1	10
Sdf4	0.00034905	0.36471273	0.273	0.211	1	10
Atp5b.3	0.00040542	0.37913839	0.403	0.358	1	10
Gpsm3.1	0.00041103	0.49769528	0.266	0.207	1	10
Selenof.1	0.00041425	0.43392391	0.331	0.279	1	10
Cox5a.3	0.00048094	0.3423249	0.427	0.378	1	10
Gnas.3	0.00049498	0.29127924	0.502	0.472	1	10
Snrpg.3	0.0005266	0.39015305	0.324	0.27	1	10
AY036118.5	0.00098724	0.26886325	0.805	0.783	1	10
Psmb3.4	0.00102546	0.337407	0.324	0.268	1	10
Ppp1cc.2	0.00150608	0.38469284	0.263	0.207	1	10
Ube2i.2	0.00180066	0.37085542	0.283	0.233	1	10
Lars2	0.00214644	0.32968405	0.727	0.711	1	10
Park7.3	0.00278427	0.37316598	0.307	0.264	1	10
Pebp1	0.0034864	0.30146602	0.266	0.215	1	10
Tma7.3	0.00368068	0.36069614	0.365	0.335	1	10
Gsta4.3	0.00383654	0.28533922	0.28	0.223	1	10
Arhgef1.3	0.0041171	0.33495492	0.263	0.212	1	10
Atp5c1.3	0.00440066	0.33425009	0.379	0.342	1	10
Cox6c.2	0.00441748	0.29778327	0.461	0.447	1	10
Myl12a.3	0.00443607	0.35578408	0.413	0.392	1	10
Tmbim6.1	0.0044906	0.26817381	0.444	0.425	1	10
Grcc10.1	0.00496611	0.30274453	0.42	0.399	1	10
Cyb5a.1	0.00502248	0.33966122	0.27	0.224	1	10
Akr1b3.1	0.00604066	0.33595253	0.256	0.21	1	10
Hmgbl.4	0.00764981	0.28230468	0.44	0.419	1	10
Arf6.3	0.00840214	0.29575333	0.287	0.244	1	10
Hist1h2ap	0	2.40141717	0.672	0.034	0	11
Ube2c	0	2.11318764	0.699	0.006	0	11
Mki67	0	2.03180868	0.699	0.019	0	11
Top2a	0	1.97890132	0.782	0.012	0	11
Pclaf	0	1.92494816	0.716	0.011	0	11
Stmn1	0	1.8670971	0.747	0.026	0	11
Birc5	0	1.73499038	0.668	0.006	0	11
Hist1h1b	0	1.66648045	0.437	0.013	0	11
Hist1h2af	0	1.52148756	0.284	0.001	0	11

Cenpf	0	1.44113136	0.472	0.002	0	11
Cks1b	0	1.35609931	0.568	0.024	0	11
Ccnb2	0	1.25218713	0.472	0.005	0	11
Ccna2	0	1.23258396	0.454	0.002	0	11
Cdca8	0	1.17352292	0.41	0.007	0	11
Cdca3	0	1.15953113	0.445	0.003	0	11
Tpx2	0	1.13000706	0.358	0.004	0	11
Hist1h2ab	0	1.05385286	0.258	0.002	0	11
Kif11	0	1.04414528	0.376	0.003	0	11
Ncapd2	0	1.02648879	0.41	0.01	0	11
Spc24	0	1.02350079	0.358	0.005	0	11
Aurkb	0	0.96155246	0.358	0.008	0	11
Prc1	0	0.96114986	0.328	0.004	0	11
Rrm2	0	0.95600974	0.31	0.004	0	11
Cdk1	0	0.93210464	0.297	0.004	0	11
Tk1	0	0.89376603	0.328	0.007	0	11
Cenpe	0	0.88370106	0.31	0.003	0	11
Nusap1	0	0.83641516	0.279	0.002	0	11
Kif15	0	0.7549832	0.262	0.003	0	11
Bub1b	2.86E-304	0.71612577	0.266	0.004	4.70E-300	11
Cenpm	2.66E-276	0.86681277	0.306	0.007	4.38E-272	11
Ckap2l	1.45E-270	0.84113396	0.284	0.006	2.39E-266	11
Smc2	5.12E-270	1.17858496	0.533	0.032	8.43E-266	11
H2afx	2.60E-251	1.83168247	0.703	0.072	4.28E-247	11
Asf1b	1.01E-245	0.79997173	0.284	0.007	1.66E-241	11
Racgap1	4.95E-214	0.99440592	0.393	0.021	8.15E-210	11
Knstrn	2.36E-207	0.725128	0.271	0.009	3.88E-203	11
Hist1h2ae	1.63E-206	1.17146787	0.349	0.017	2.68E-202	11
Incenp	1.08E-205	0.97048568	0.393	0.022	1.77E-201	11
Kif23	3.39E-191	1.04811097	0.349	0.019	5.58E-187	11
Hmgb2.4	3.44E-191	1.9663148	0.952	0.229	5.66E-187	11
Cks2	5.43E-187	1.0714944	0.467	0.038	8.93E-183	11
Tacc3	2.70E-180	0.69964022	0.279	0.012	4.44E-176	11
Tubb5.3	3.07E-158	1.77905188	0.943	0.277	5.05E-154	11
Lmnb1.1	1.22E-154	1.2068708	0.62	0.085	2.00E-150	11
Cenpw	2.61E-147	0.65084857	0.253	0.013	4.30E-143	11
Ezh2	1.15E-145	0.84077676	0.371	0.03	1.90E-141	11
Tuba1b.4	3.71E-145	1.79448167	0.93	0.302	6.10E-141	11
Cenpa	6.85E-141	1.12367621	0.493	0.057	1.13E-136	11
Smc4	3.16E-139	1.04624289	0.611	0.088	5.20E-135	11
H2afv	8.58E-136	1.44651516	0.847	0.209	1.41E-131	11
Tmpo	1.04E-131	1.15753364	0.563	0.082	1.72E-127	11
Hist1h1d	4.24E-125	1.57281419	0.279	0.02	6.97E-121	11

Rrm1	7.07E-124	0.84174772	0.336	0.029	1.16E-119	11
Ccdc34	2.54E-120	0.79492019	0.345	0.032	4.17E-116	11
Gmnn	9.55E-119	0.75488461	0.288	0.022	1.57E-114	11
Kpna2	1.68E-116	0.81323168	0.31	0.026	2.76E-112	11
Hmgn2	7.40E-111	1.13440781	0.668	0.132	1.22E-106	11
H2afz.10	2.58E-108	1.35393435	0.987	0.576	4.25E-104	11
Hist1h1e.1	4.91E-103	1.6298939	0.52	0.087	8.08E-99	11
Ube2s	3.24E-93	0.98214057	0.642	0.139	5.33E-89	11
Ptma.3	9.94E-93	1.05644443	0.987	0.777	1.64E-88	11
Hjurp	1.25E-89	0.61221529	0.258	0.024	2.06E-85	11
Nucks1	1.36E-87	0.89303906	0.546	0.104	2.23E-83	11
Nsd2	7.44E-87	0.71824191	0.293	0.032	1.22E-82	11
Dut	1.24E-84	0.84924029	0.362	0.05	2.04E-80	11
Selenoh	1.97E-84	0.90401519	0.541	0.108	3.24E-80	11
Gm10282	2.67E-82	0.59117208	0.293	0.033	4.39E-78	11
Hmgb1.5	8.75E-82	1.09208782	0.943	0.404	1.44E-77	11
Ckap5	6.81E-80	0.71255858	0.301	0.036	1.12E-75	11
Tubb4b.1	7.87E-80	1.04546608	0.62	0.148	1.29E-75	11
Anp32b.3	9.94E-78	1.02020229	0.838	0.29	1.64E-73	11
Anp32e	4.80E-74	0.94659979	0.585	0.141	7.89E-70	11
Atad2	8.43E-72	0.70993676	0.293	0.038	1.39E-67	11
Mcm7	1.30E-70	0.67591174	0.262	0.031	2.15E-66	11
Tipin	4.01E-68	0.64823993	0.279	0.037	6.60E-64	11
Ran.4	6.18E-66	0.87797476	0.808	0.284	1.02E-61	11
Nrm	4.49E-64	0.60936178	0.341	0.056	7.38E-60	11
Dek	1.73E-61	0.88559697	0.655	0.201	2.85E-57	11
Cdkn2d	3.77E-61	0.59043068	0.314	0.05	6.21E-57	11
Usp1	1.02E-60	0.61983972	0.345	0.06	1.68E-56	11
Hist1h1c	4.27E-60	1.01489921	0.402	0.083	7.03E-56	11
Rangap1	1.15E-56	0.53773629	0.275	0.042	1.90E-52	11
Dnmt1	1.72E-49	0.57995482	0.345	0.07	2.83E-45	11
Alyref	1.87E-46	0.62935493	0.319	0.065	3.08E-42	11
Tagln2.7	9.26E-45	0.73214689	0.895	0.478	1.52E-40	11
Nap1l1.5	3.29E-44	0.73289962	0.677	0.248	5.42E-40	11
Ncaph2	8.97E-44	0.58759528	0.332	0.071	1.48E-39	11
Tuba1c	1.75E-43	0.77476671	0.537	0.17	2.88E-39	11
Calm3.1	3.78E-43	0.60667609	0.672	0.238	6.21E-39	11
Ppia.4	4.00E-43	0.58222281	0.987	0.886	6.58E-39	11
Lsm2	1.22E-41	0.4599871	0.319	0.069	2.01E-37	11
Anapc5	1.37E-41	0.58805036	0.476	0.135	2.26E-37	11
Plp2.4	3.65E-41	0.55937714	0.498	0.146	6.01E-37	11
Rad21	2.64E-40	0.57669149	0.406	0.106	4.34E-36	11
Hdgf	1.02E-39	0.55038018	0.428	0.117	1.68E-35	11

Dnajc9	1.03E-39	0.4756801	0.266	0.052	1.69E-35	11
Dctpp1.1	1.17E-39	0.63607344	0.306	0.069	1.92E-35	11
Csrp1	4.46E-39	0.51565679	0.288	0.062	7.34E-35	11
Snrpd1	1.24E-38	0.529598	0.498	0.151	2.04E-34	11
Hpf1	1.69E-38	0.41386618	0.279	0.058	2.77E-34	11
Ywhah.4	1.87E-38	0.6606124	0.664	0.251	3.08E-34	11
Cbx3	9.78E-37	0.42844822	0.253	0.051	1.61E-32	11
Jpt1.1	1.40E-35	0.61451001	0.721	0.309	2.31E-31	11
Nudt21	2.14E-35	0.5293271	0.432	0.127	3.52E-31	11
Banf1	4.80E-35	0.57292282	0.568	0.202	7.89E-31	11
Maz	8.25E-35	0.40855342	0.31	0.074	1.36E-30	11
Pcna	1.23E-34	0.62679342	0.341	0.09	2.02E-30	11
Pmf1	3.26E-34	0.40006939	0.275	0.061	5.36E-30	11
Txn1.4	4.28E-34	0.65554604	0.611	0.24	7.04E-30	11
Hnrnpab	5.64E-34	0.62274961	0.716	0.308	9.28E-30	11
H2afy.6	5.93E-34	0.73813509	0.603	0.242	9.76E-30	11
Hint1.1	9.30E-34	0.59324044	0.873	0.448	1.53E-29	11
Rbm3.5	2.53E-33	0.60367048	0.904	0.542	4.16E-29	11
Crip1.9	3.21E-33	0.7125057	0.961	0.713	5.28E-29	11
Arl6ip1.4	4.64E-33	0.83659988	0.699	0.329	7.63E-29	11
Snrpg.4	9.66E-33	0.52656791	0.659	0.261	1.59E-28	11
Siva1	1.17E-32	0.49148996	0.354	0.097	1.92E-28	11
Ranbp1	3.74E-32	0.65582197	0.485	0.171	6.15E-28	11
Mrpl18	8.87E-32	0.49101876	0.376	0.109	1.46E-27	11
Lsm5	1.21E-31	0.38318863	0.319	0.082	1.99E-27	11
Actg1.6	3.01E-31	0.443465	0.991	0.899	4.95E-27	11
Sae1	1.26E-30	0.34420876	0.253	0.057	2.07E-26	11
Bub3	1.87E-30	0.49666948	0.332	0.093	3.07E-26	11
Smc6	5.39E-30	0.45540166	0.384	0.115	8.87E-26	11
Dnajc2	6.41E-30	0.4839798	0.362	0.107	1.05E-25	11
Tmsb10.9	1.18E-28	0.55854297	0.983	0.78	1.93E-24	11
Slbp	1.44E-28	0.49240674	0.367	0.112	2.36E-24	11
Pa2g4	1.91E-28	0.42978789	0.437	0.144	3.14E-24	11
Lbr	2.46E-28	0.45476352	0.354	0.106	4.05E-24	11
Lgals1.8	3.74E-28	0.59794245	0.76	0.392	6.15E-24	11
Smc1a	4.39E-28	0.41458987	0.437	0.145	7.22E-24	11
Srsf3	4.44E-28	0.53021444	0.585	0.239	7.30E-24	11
Hnrnpa3.1	5.08E-28	0.55548408	0.86	0.492	8.35E-24	11
Anapc11.1	1.01E-27	0.51888966	0.563	0.224	1.66E-23	11
Exosc8	2.44E-27	0.402191	0.262	0.067	4.01E-23	11
Mrpl51	3.21E-27	0.40046872	0.306	0.085	5.28E-23	11
Anxa2.10	1.05E-26	0.5614311	0.603	0.265	1.73E-22	11
Snrpe.3	1.44E-26	0.48978249	0.668	0.296	2.37E-22	11

S100a10.9	1.80E-26	0.54852498	0.808	0.449	2.96E-22	11
Rps27l.6	2.27E-26	0.50647113	0.664	0.297	3.73E-22	11
S100a4.4	6.29E-26	0.49451308	0.463	0.173	1.04E-21	11
Erh.2	6.46E-26	0.49302865	0.594	0.248	1.06E-21	11
Gapdh.5	6.58E-26	0.50330311	0.948	0.706	1.08E-21	11
Vim.9	1.38E-25	0.62773427	0.9	0.614	2.28E-21	11
Ssrp1	2.37E-25	0.44423016	0.38	0.125	3.90E-21	11
Lsm3	2.77E-25	0.35561343	0.288	0.081	4.56E-21	11
Lsm4.3	4.05E-25	0.38809046	0.576	0.229	6.67E-21	11
Actn4	8.32E-25	0.48809832	0.367	0.122	1.37E-20	11
Elob.1	9.39E-25	0.48241888	0.821	0.425	1.55E-20	11
Ctcf	9.82E-25	0.32817931	0.319	0.095	1.62E-20	11
Ddx39	2.23E-24	0.35202402	0.271	0.075	3.66E-20	11
Clic1.4	3.20E-24	0.50484239	0.834	0.494	5.26E-20	11
Med30	9.29E-24	0.35901539	0.279	0.08	1.53E-19	11
Raly.1	1.18E-23	0.46987335	0.537	0.222	1.94E-19	11
Psip1	5.45E-23	0.43517216	0.306	0.096	8.96E-19	11
Pfdn6	2.25E-22	0.30378844	0.284	0.084	3.70E-18	11
Actb.5	4.40E-22	0.26985404	1	0.993	7.23E-18	11
Mrpl28	4.68E-22	0.35564977	0.314	0.1	7.71E-18	11
1810037l17Ril	5.89E-22	0.4286762	0.607	0.267	9.69E-18	11
Nudc	1.01E-21	0.4153959	0.371	0.132	1.66E-17	11
Pdap1	1.06E-21	0.40549445	0.323	0.107	1.75E-17	11
Mrpl57	1.27E-21	0.3833173	0.358	0.125	2.10E-17	11
Lsp1.9	2.74E-21	0.44621181	0.729	0.386	4.51E-17	11
Set.1	3.92E-21	0.44671168	0.515	0.221	6.45E-17	11
Hnrnpd	4.34E-21	0.36653388	0.349	0.122	7.13E-17	11
Cox5b.3	7.97E-21	0.39985126	0.803	0.424	1.31E-16	11
Ptms.7	1.18E-20	0.53303009	0.581	0.279	1.94E-16	11
Sf3b5	1.38E-20	0.38284989	0.55	0.239	2.27E-16	11
Snrpc	1.53E-20	0.34703358	0.362	0.129	2.51E-16	11
Cbfb	1.62E-20	0.35259522	0.279	0.088	2.66E-16	11
Rbbp7	1.78E-20	0.39657479	0.367	0.134	2.93E-16	11
Ybx1.2	2.38E-20	0.46787428	0.865	0.545	3.91E-16	11
Sumo2.2	2.52E-20	0.44143825	0.747	0.401	4.14E-16	11
Ndufb7.1	3.15E-20	0.39675441	0.568	0.255	5.19E-16	11
Trim28	3.57E-20	0.2981271	0.328	0.111	5.88E-16	11
Lsm6	7.44E-20	0.33725042	0.41	0.157	1.22E-15	11
Baz1b	7.59E-20	0.28224862	0.31	0.103	1.25E-15	11
Oaz1.2	7.70E-20	0.34740993	0.969	0.77	1.27E-15	11
Vdac1	9.18E-20	0.34330106	0.297	0.098	1.51E-15	11
Ndufb8.1	1.03E-19	0.40681007	0.555	0.254	1.70E-15	11
Gnb2.2	1.10E-19	0.40944956	0.782	0.417	1.81E-15	11

Sms	2.23E-19	0.31965262	0.258	0.081	3.68E-15	11
Calm2.8	4.73E-19	0.43099203	0.712	0.377	7.78E-15	11
Smdt1.7	6.45E-19	0.41315165	0.672	0.343	1.06E-14	11
Atpif1.10	6.63E-19	0.38135186	0.642	0.305	1.09E-14	11
Olfm1.3	1.95E-18	0.45740575	0.288	0.101	3.21E-14	11
Sept9.3	2.50E-18	0.32060043	0.389	0.152	4.12E-14	11
Tnip3.2	2.97E-18	0.3997916	0.328	0.121	4.89E-14	11
Snrpd2	3.10E-18	0.25564028	0.463	0.189	5.10E-14	11
Cenpx	3.98E-18	0.37594463	0.397	0.16	6.55E-14	11
Gng10.2	5.61E-18	0.36373585	0.472	0.206	9.24E-14	11
Pycard.3	6.02E-18	0.38018115	0.463	0.197	9.91E-14	11
Atp5g2	8.43E-18	0.3980861	0.817	0.497	1.39E-13	11
Snrpf.2	1.04E-17	0.31063679	0.541	0.241	1.72E-13	11
Mapre1	1.07E-17	0.31316777	0.384	0.152	1.76E-13	11
Pgam1.2	1.26E-17	0.3816014	0.376	0.152	2.08E-13	11
Purb	1.65E-17	0.30745523	0.319	0.116	2.72E-13	11
Hnrnpa2b1.2	2.03E-17	0.39923757	0.843	0.545	3.34E-13	11
Dazap1	2.80E-17	0.28994936	0.275	0.094	4.60E-13	11
Nol7.4	3.17E-17	0.30417227	0.563	0.261	5.21E-13	11
Ssna1	3.60E-17	0.28636365	0.266	0.089	5.92E-13	11
Kpnb1	3.72E-17	0.3026206	0.297	0.106	6.13E-13	11
Coro1c	5.46E-17	0.29474284	0.279	0.097	8.99E-13	11
Tpm4.3	5.66E-17	0.34855769	0.511	0.236	9.32E-13	11
Tmsb4x.7	6.18E-17	0.27286466	1	0.993	1.02E-12	11
Hnrnpul2	6.84E-17	0.30980958	0.424	0.177	1.13E-12	11
Aurkaip1	8.70E-17	0.31230635	0.402	0.164	1.43E-12	11
Zyx.9	1.07E-16	0.29855864	0.555	0.254	1.76E-12	11
Rnaseh2c	1.77E-16	0.35189453	0.341	0.132	2.91E-12	11
Stub1	1.83E-16	0.32949225	0.384	0.157	3.02E-12	11
Cd24a.2	1.88E-16	0.56086553	0.323	0.13	3.09E-12	11
Nono	1.99E-16	0.28565744	0.384	0.155	3.27E-12	11
Cdk4	2.43E-16	0.36068767	0.345	0.136	4.00E-12	11
Cyca.5	2.46E-16	0.33660622	0.511	0.238	4.05E-12	11
Vdac3	2.52E-16	0.31119814	0.301	0.112	4.15E-12	11
Hsp90aa1	3.31E-16	0.38233913	0.646	0.333	5.45E-12	11
Srsf2	3.67E-16	0.34774014	0.55	0.268	6.04E-12	11
Tmem14c.1	4.19E-16	0.30120598	0.406	0.171	6.89E-12	11
Cdkn1a.4	5.92E-16	0.4673468	0.467	0.224	9.74E-12	11
Cbfa2t3.2	6.13E-16	0.44424257	0.349	0.146	1.01E-11	11
Cfl1.1	7.21E-16	0.32037727	0.961	0.783	1.19E-11	11
Vps36	7.41E-16	0.30508344	0.262	0.093	1.22E-11	11
Cox7a2.1	8.31E-16	0.32713157	0.646	0.335	1.37E-11	11
Vars.1	1.20E-15	0.33486291	0.31	0.119	1.98E-11	11

Bax.1	1.32E-15	0.32878059	0.476	0.217	2.17E-11	11
Trir.1	1.50E-15	0.32023493	0.476	0.218	2.46E-11	11
Ccr2.5	2.49E-15	0.30320444	0.432	0.195	4.10E-11	11
Dbi.6	2.71E-15	0.31015458	0.576	0.283	4.46E-11	11
Smchd1	3.77E-15	0.3316477	0.323	0.13	6.20E-11	11
Tra2b	4.38E-15	0.33248806	0.511	0.245	7.21E-11	11
Tubb2a	5.04E-15	0.34854864	0.262	0.096	8.29E-11	11
Rps27.7	5.33E-15	-0.5032313	0.948	0.901	8.76E-11	11
Ndufa11.1	5.41E-15	0.32753205	0.45	0.204	8.90E-11	11
Srsf7	5.82E-15	0.31565473	0.459	0.209	9.58E-11	11
Emp3.6	5.86E-15	0.36319132	0.738	0.425	9.64E-11	11
Taf10	7.41E-15	0.28483646	0.319	0.126	1.22E-10	11
Fam96a.1	8.32E-15	0.29816471	0.323	0.129	1.37E-10	11
Il1b.9	1.39E-14	0.35196064	0.476	0.238	2.29E-10	11
Gstm1.9	1.45E-14	-0.7960031	0.515	0.65	2.39E-10	11
Rwdd1	1.69E-14	0.2506852	0.376	0.158	2.79E-10	11
Ywhae	1.77E-14	0.28536257	0.524	0.251	2.91E-10	11
Pbrm1	1.86E-14	0.25650066	0.31	0.121	3.06E-10	11
Traf1.1	2.12E-14	0.34135464	0.332	0.139	3.49E-10	11
Atp5f1.1	2.57E-14	0.32152846	0.638	0.332	4.22E-10	11
Id2.4	3.37E-14	0.4477394	0.428	0.208	5.54E-10	11
Csnk2b	4.35E-14	0.25914967	0.41	0.182	7.15E-10	11
Uqcr10.1	4.38E-14	0.38044542	0.524	0.265	7.21E-10	11
Lgals3.10	4.46E-14	0.39786266	0.611	0.342	7.33E-10	11
Rbbp4	4.50E-14	0.33706836	0.306	0.124	7.40E-10	11
Atp5o.1.3	4.73E-14	0.28715632	0.493	0.237	7.78E-10	11
Arhgdia	5.90E-14	0.32698392	0.694	0.382	9.71E-10	11
Pkm.5	7.79E-14	0.27735467	0.594	0.3	1.28E-09	11
Npm3	8.61E-14	0.26226919	0.31	0.126	1.42E-09	11
Xist.4	8.70E-14	0.32475052	0.769	0.466	1.43E-09	11
Apoe.10	1.04E-13	-1.3432659	0.262	0.477	1.71E-09	11
Cd44.3	1.62E-13	0.3217578	0.402	0.186	2.66E-09	11
Uqcrfs1.1	1.70E-13	0.30440439	0.472	0.23	2.80E-09	11
Atp5d.3	1.71E-13	0.3069764	0.742	0.429	2.82E-09	11
Atp5g3.2	2.70E-13	0.34540332	0.725	0.45	4.43E-09	11
Eif3l	2.77E-13	0.2555135	0.262	0.1	4.56E-09	11
Preli1.3	2.96E-13	0.32956676	0.576	0.305	4.86E-09	11
Naa38	2.98E-13	0.30877078	0.306	0.126	4.91E-09	11
Cox6a1.2	3.56E-13	0.29357037	0.729	0.419	5.86E-09	11
Atrx	4.79E-13	0.25665537	0.376	0.169	7.88E-09	11
Flna.7	5.66E-13	0.25954757	0.568	0.29	9.31E-09	11
H3f3a.7	6.17E-13	0.25452872	0.93	0.733	1.02E-08	11
Serbp1.5	8.66E-13	0.29904481	0.677	0.376	1.42E-08	11

Gnb1	9.14E-13	0.28684282	0.376	0.17	1.50E-08	11
Fkbp2.2	1.07E-12	0.2606461	0.38	0.173	1.75E-08	11
Gpx1.10	1.20E-12	0.38054573	0.852	0.708	1.98E-08	11
Sh3bgrl3.5	1.63E-12	0.28762421	0.943	0.742	2.68E-08	11
Gtf2h5	1.80E-12	0.25031066	0.301	0.126	2.96E-08	11
Ptges3.1	1.88E-12	0.26042686	0.393	0.182	3.10E-08	11
Sf3b2	1.95E-12	0.25065249	0.533	0.271	3.21E-08	11
Cops9.1	2.56E-12	0.2536183	0.437	0.206	4.21E-08	11
Tcp1.1	2.62E-12	0.26999098	0.38	0.176	4.31E-08	11
S100a11.8	3.37E-12	0.27489638	0.677	0.39	5.54E-08	11
Pcbp2	3.80E-12	0.2765772	0.755	0.442	6.25E-08	11
Uqcrq.3	3.97E-12	0.28916174	0.603	0.328	6.54E-08	11
Tep1.1	5.13E-12	0.32201722	0.266	0.111	8.44E-08	11
Malat1.5	5.80E-12	-0.4403021	0.926	0.937	9.54E-08	11
Hnrnpf.2	6.16E-12	0.29541079	0.721	0.425	1.01E-07	11
Atp5j2.2	6.21E-12	0.2643034	0.699	0.416	1.02E-07	11
Hnrnpu.1	1.48E-11	0.31754281	0.629	0.356	2.43E-07	11
Cotl1.4	1.97E-11	0.31085642	0.633	0.354	3.25E-07	11
Myadm.2	2.19E-11	0.27417846	0.262	0.11	3.61E-07	11
Snrpb.2	2.23E-11	0.2949488	0.507	0.271	3.66E-07	11
Tpi1	2.42E-11	0.25828433	0.284	0.122	3.98E-07	11
Psemb9.4	2.57E-11	0.2534442	0.459	0.235	4.22E-07	11
Csf2ra.4	2.77E-11	0.29260058	0.31	0.14	4.56E-07	11
Atox1.10	3.87E-11	0.26351924	0.738	0.448	6.36E-07	11
Minos1.1	4.47E-11	0.25219847	0.397	0.193	7.36E-07	11
Cd209a.1	5.35E-11	0.31968125	0.323	0.151	8.80E-07	11
mt-Nd2.5	7.16E-11	-0.4369839	0.856	0.796	1.18E-06	11
Cmtm7.1	7.55E-11	0.26869386	0.428	0.216	1.24E-06	11
Atp5j.1	1.12E-10	0.32090504	0.616	0.374	1.84E-06	11
Naaa.2	1.75E-10	0.32160162	0.271	0.12	2.88E-06	11
Itm2b.9	2.27E-10	-0.6594742	0.86	0.785	3.73E-06	11
Eef1a1.7	2.48E-10	-0.2620035	0.991	0.98	4.08E-06	11
Lsm12	3.85E-10	0.26806491	0.266	0.119	6.33E-06	11
Ube2n	4.23E-10	0.25796569	0.297	0.138	6.95E-06	11
Gm2a.11	6.19E-10	0.27908759	0.498	0.28	1.02E-05	11
Selenop.10	8.17E-10	-1.3215223	0.266	0.421	1.34E-05	11
Ndufa4.1	8.41E-10	0.2724348	0.672	0.403	1.38E-05	11
Junb.8	8.99E-10	-0.4986872	0.834	0.843	1.48E-05	11
Cox8a.1	2.27E-09	0.26873029	0.913	0.682	3.74E-05	11
H2-D1.6	7.68E-06	-0.3631097	0.807	0.891	0.12639878	13
C1qa.10	3.56E-09	-1.0332503	0.166	0.335	5.85E-05	11
C1qc.10	3.72E-09	-1.0989771	0.175	0.339	6.12E-05	11
Wdfy4.3	4.92E-09	0.26469789	0.279	0.134	8.09E-05	11

mt-Atp8.8	1.21E-08	-0.2853793	0.93	0.929	0.00019983	11
Fth1.8	1.54E-08	-0.4243953	0.961	0.958	0.00025305	11
Rpl10-ps3.3	3.70E-08	-0.2670747	0.934	0.892	0.00060904	11
Atp5e.5	5.04E-08	0.26048396	0.847	0.616	0.00082907	11
Pf4.11	7.98E-08	-0.625459	0.14	0.311	0.00131201	11
Ccl4.1	9.18E-08	0.38373249	0.253	0.129	0.00151031	11
C1qb.10	1.63E-07	-0.9023477	0.214	0.357	0.00267444	11
Rpl9-ps6.6	4.99E-07	-0.2885128	0.939	0.905	0.00820917	11
Nfkb.9	7.99E-07	0.25877366	0.716	0.514	0.01314798	11
Mafb.9	1.45E-06	-1.0744814	0.144	0.267	0.02381684	11
Ftl1.9	1.01E-05	-0.4757786	0.956	0.889	0.16536365	11
Csf1r.10	1.38E-05	-0.8083061	0.236	0.336	0.22753558	11
Gm42418.2	3.78E-05	-0.2763211	1	1	0.62166979	11
Ctsb.10	6.18E-05	-0.7774692	0.459	0.477	1	11
Sqstm1.4	0.00010735	-0.58912	0.323	0.383	1	11
Btg1.6	0.00012618	-0.5261139	0.594	0.572	1	11
Pnrc1.5	0.00016659	-0.482151	0.507	0.517	1	11
Zfp36l1.8	0.00056957	-0.5470783	0.533	0.528	1	11
Fcgrt.9	0.000572	-0.7107971	0.183	0.259	1	11
Mrc1.10	0.00071584	-0.7685943	0.245	0.307	1	11
Ly6d.9	0.00075435	-0.5670096	0.231	0.31	1	11
Ly6e.9	0.00085325	-0.304513	0.817	0.748	1	11
Lgmn.10	0.00090839	-0.6205492	0.21	0.281	1	11
Ubc.9	0.00125176	-0.5009142	0.585	0.54	1	11
Lyz2.10	0.00160058	-0.7361701	0.568	0.554	1	11
Marcksl1.9	0.00224271	-0.7716498	0.428	0.435	1	11
Cd79a.11	0.00263346	-0.7386329	0.183	0.253	1	11
mt-Nd4.5	0.00288435	-0.2764611	0.821	0.699	1	11
F13a1.9	0.00293872	-0.7258419	0.223	0.281	1	11
Pfdn5	0.00355637	-0.3177674	0.694	0.602	1	11
Cd14.10	0.00361366	-0.5804931	0.192	0.263	1	11
Neat1.9	0.00589983	-0.4747121	0.271	0.328	1	11
Ctss.9	0.0062716	-0.4560151	0.528	0.5	1	11
Klf2.9	0.00823449	-0.5132783	0.655	0.593	1	11
Arg1	0	1.93294515	0.392	0.002	0	12
Csf2	0	1.68416321	0.301	0.002	0	12
Ii5	0	1.60183144	0.269	0	0	12
Ccr8	0	1.49390752	0.323	0.004	0	12
Ccdc184	0	1.4089554	0.274	0.002	0	12
Lif	0	1.34403771	0.285	0.003	0	12
Gata3	2.17E-284	1.98796506	0.559	0.03	3.57E-280	12
Klrg1	1.53E-238	1.42836591	0.339	0.011	2.51E-234	12
Ptpn13	3.76E-224	1.35665877	0.323	0.01	6.19E-220	12

Rnf128	1.32E-220	1.37309038	0.306	0.009	2.18E-216	12
Rora.1	3.29E-178	1.5943136	0.478	0.037	5.40E-174	12
Hs3st1	1.28E-160	1.9098143	0.489	0.044	2.11E-156	12
Il2ra	1.26E-144	1.16690938	0.296	0.016	2.06E-140	12
Areg.1	2.42E-130	2.35480827	0.516	0.064	3.98E-126	12
Il1rl1	1.11E-122	1.36509806	0.344	0.028	1.83E-118	12
Lpcat2	2.53E-119	1.4279511	0.371	0.033	4.17E-115	12
Inpp4b	1.47E-115	1.34258374	0.414	0.044	2.42E-111	12
Itk.2	2.37E-84	1.33345061	0.392	0.053	3.89E-80	12
Tnfrsf18	3.73E-84	1.35703272	0.419	0.062	6.14E-80	12
Cd74.9	6.90E-74	-3.42372	0.237	0.841	1.14E-69	12
Il7r.2	1.50E-73	1.13728707	0.43	0.07	2.47E-69	12
Lmo4.1	2.85E-73	1.49472321	0.462	0.088	4.68E-69	12
Cish	3.13E-73	1.16256016	0.312	0.039	5.15E-69	12
Hilpda	5.04E-72	1.57978348	0.409	0.069	8.29E-68	12
Rplp1.2	2.26E-67	0.77520781	1	0.973	3.73E-63	12
H2-D1.7	2.73E-07	-0.396945	0.882	0.89	0.00449724	14
H2-K1	1.70E-34	-0.3981248	0.818	0.849	2.79E-30	0
H2-DMb1	9.84E-24	-0.4210782	0.177	0.351	1.62E-19	1
Rpl23.2	7.15E-56	0.57912852	1	0.975	1.18E-51	12
Furin	6.49E-53	1.20761129	0.366	0.072	1.07E-48	12
Ftl1.10	8.03E-52	-1.7596424	0.613	0.897	1.32E-47	12
Cxcr6.1	6.03E-48	0.85585705	0.28	0.044	9.92E-44	12
Tmem64.1	9.24E-48	1.06406792	0.349	0.07	1.52E-43	12
Tyrobp.10	6.95E-47	-2.5585155	0.038	0.622	1.14E-42	12
Rps7.5	9.08E-46	0.59702464	1	0.94	1.49E-41	12
Rps10.4	1.63E-45	0.55739844	1	0.956	2.68E-41	12
Rpl37a.1	2.18E-45	0.61824345	0.984	0.939	3.59E-41	12
Cst3.9	7.77E-44	-2.7039971	0.253	0.696	1.28E-39	12
Rpl13.5	6.90E-43	0.50163074	1	0.981	1.14E-38	12
Icos.1	1.16E-42	0.92432851	0.274	0.048	1.91E-38	12
Fcer1g.9	4.42E-41	-2.2387884	0.048	0.59	7.28E-37	12
Ramp1.3	6.87E-40	1.21579757	0.43	0.123	1.13E-35	12
Lyz2.11	1.82E-39	-3.085553	0.043	0.567	2.99E-35	12
Uba52.6	2.20E-39	0.49121145	1	0.974	3.63E-35	12
Rps24.6	3.36E-39	0.48372073	0.995	0.988	5.52E-35	12
Ly6a.3	3.66E-39	1.04713316	0.522	0.167	6.01E-35	12
Alox5	9.48E-39	0.98089403	0.28	0.055	1.56E-34	12
Ltb.5	1.13E-38	1.04960389	0.559	0.198	1.86E-34	12
Rps20.6	1.27E-38	0.51312166	1	0.972	2.09E-34	12
Rpl19.6	2.25E-38	0.49180017	1	0.954	3.70E-34	12
Klf2.10	3.61E-38	-1.9458162	0.091	0.607	5.94E-34	12
Ltb4r1.2	9.12E-38	1.09828669	0.323	0.075	1.50E-33	12

Gadd45b.9	1.33E-37	1.24405985	0.591	0.243	2.19E-33	12
Ahcyl2	1.55E-37	1.01289347	0.312	0.07	2.54E-33	12
Gpx1.11	3.88E-37	-1.554751	0.323	0.721	6.38E-33	12
Emb.3	1.06E-36	1.00918855	0.538	0.195	1.75E-32	12
Nfkb1.1	1.08E-36	1.18679918	0.478	0.163	1.78E-32	12
Skap1.3	3.10E-36	0.89651777	0.371	0.094	5.10E-32	12
Rps2.5	4.02E-36	0.51390008	0.989	0.943	6.61E-32	12
Mdfic	4.86E-36	0.96675404	0.312	0.072	7.99E-32	12
Tnfaip3.7	7.73E-36	1.08125576	0.667	0.32	1.27E-31	12
Ctss.10	1.04E-35	-1.9091249	0.022	0.513	1.71E-31	12
Cnot6l	2.98E-35	1.0150994	0.355	0.092	4.90E-31	12
Gimap3.4	1.21E-34	0.88273466	0.484	0.155	1.98E-30	12
Rpl32.5	1.86E-34	0.5153045	0.995	0.948	3.07E-30	12
Rps15a.7	2.87E-34	0.49749945	1	0.949	4.73E-30	12
H2-D1.3	1.17E-20	-0.455574	0.915	0.889	1.93E-16	9
Rps3.6	6.54E-34	0.50114317	0.978	0.911	1.08E-29	12
Cd69.1	3.85E-33	1.0695331	0.36	0.099	6.33E-29	12
Rpsa.6	4.62E-33	0.5018649	0.995	0.934	7.59E-29	12
Rgs2.1	9.74E-33	1.27321022	0.516	0.203	1.60E-28	12
Ifitm3.10	1.24E-32	-2.2902652	0.038	0.502	2.05E-28	12
Rgcc.1	2.53E-32	1.05532043	0.296	0.07	4.15E-28	12
Psap.9	1.05E-31	-1.4899796	0.312	0.685	1.72E-27	12
Rps18.6	1.14E-31	0.56953844	0.973	0.868	1.87E-27	12
Rpl39.7	1.25E-31	0.56648761	0.973	0.888	2.05E-27	12
Cd83.8	3.99E-31	-1.8472537	0.032	0.481	6.57E-27	12
Rps8.4	2.41E-30	0.41352909	0.995	0.983	3.96E-26	12
Rps16.4	2.53E-30	0.4520065	1	0.973	4.16E-26	12
Rpl8.6	2.98E-30	0.48935935	0.995	0.915	4.90E-26	12
Rpl10a.5	3.70E-30	0.50322221	0.952	0.861	6.09E-26	12
Rps11.5	6.71E-30	0.43853105	0.989	0.966	1.10E-25	12
Rpl15.3	3.02E-29	0.53311535	0.962	0.845	4.97E-25	12
Rpl27a.5	3.47E-29	0.51309719	0.962	0.887	5.70E-25	12
Marcksl1.10	4.04E-29	-2.2508293	0.016	0.445	6.65E-25	12
Apoe.11	2.89E-28	-3.4304214	0.07	0.48	4.76E-24	12
Rps3a1.5	3.37E-28	0.43898379	0.995	0.963	5.54E-24	12
Unc93b1.5	4.83E-28	-1.4934311	0.048	0.473	7.94E-24	12
Fth1.9	8.14E-28	-0.8773835	0.909	0.959	1.34E-23	12
Trbc2.2	1.41E-27	0.85436252	0.28	0.07	2.32E-23	12
Rps5.6	2.51E-26	0.4167363	0.989	0.962	4.13E-22	12
Rpl9-ps6.7	5.13E-26	0.4527259	0.973	0.904	8.45E-22	12
Ccl6.11	6.94E-26	-2.1596789	0.027	0.422	1.14E-21	12
Samsn1	8.25E-26	0.90377377	0.312	0.092	1.36E-21	12
Alox5ap.11	2.10E-25	-1.7388794	0.016	0.407	3.45E-21	12

H2-DMb1.11	0.00233984	-0.4663819	0.21	0.33	1	13
Rpl36a.6	3.20E-25	0.6141929	0.93	0.757	5.26E-21	12
Id2.5	3.20E-25	0.845876	0.5	0.208	5.27E-21	12
Rplp0.6	3.49E-25	0.45043372	0.995	0.901	5.74E-21	12
Rps14.2	2.31E-24	0.46824855	0.968	0.929	3.81E-20	12
Eef1a1.8	2.36E-24	0.36703975	1	0.98	3.88E-20	12
Mt1.11	3.91E-24	-2.2985615	0.048	0.425	6.43E-20	12
Itpr2	4.57E-24	0.86200959	0.274	0.076	7.52E-20	12
Ctsb.11	5.77E-24	-1.7830082	0.108	0.485	9.49E-20	12
Thy1.3	1.09E-23	0.59612521	0.371	0.119	1.79E-19	12
Ifi27l2a.10	1.47E-23	-1.880348	0.038	0.411	2.42E-19	12
Rpl18.5	1.48E-23	0.42622459	0.995	0.921	2.43E-19	12
Ctsc.9	1.74E-23	-1.6661049	0.054	0.424	2.87E-19	12
Rps9.2	2.71E-23	0.40201576	0.995	0.962	4.46E-19	12
Rps4x.6	4.43E-23	0.37390442	1	0.962	7.29E-19	12
Rps19.6	6.58E-23	0.41917302	0.995	0.932	1.08E-18	12
Rps21.4	6.73E-23	0.48090385	0.962	0.881	1.11E-18	12
Rpl30.4	7.48E-23	0.41840745	0.989	0.952	1.23E-18	12
Ccr2.6	7.69E-23	0.82266862	0.468	0.195	1.27E-18	12
Gm10076.3	7.87E-23	0.40827346	0.995	0.952	1.29E-18	12
Ifitm2.10	1.10E-22	-1.5558372	0.032	0.399	1.81E-18	12
Mcl1.9	6.40E-22	-1.3381727	0.075	0.436	1.05E-17	12
Ctsh.8	1.07E-21	-1.3183662	0.038	0.394	1.76E-17	12
Grn.8	1.24E-21	-1.5773624	0.032	0.385	2.04E-17	12
Rplp2.4	2.34E-21	0.42136586	0.952	0.918	3.85E-17	12
C1qb.11	3.05E-21	-2.8291504	0.022	0.36	5.01E-17	12
Pltp.11	3.78E-21	-1.887832	0.005	0.345	6.21E-17	12
Wfdc17.9	4.16E-21	-1.8547571	0	0.338	6.85E-17	12
Tpt1.1	5.88E-21	0.34685815	0.989	0.982	9.67E-17	12
Rpl12.8	6.26E-21	0.5358297	0.892	0.758	1.03E-16	12
Cd82.2	1.44E-20	0.81065506	0.36	0.135	2.37E-16	12
Plek.6	1.66E-20	-1.2661935	0.016	0.355	2.72E-16	12
Zfp36.7	1.93E-20	-1.2286565	0.323	0.618	3.18E-16	12
Rpl36.6	2.99E-20	0.41000222	0.968	0.898	4.92E-16	12
Ly86.6	3.47E-20	-1.3327703	0	0.326	5.71E-16	12
Marcks.9	3.52E-20	-1.4569256	0.011	0.34	5.80E-16	12
C1qc.11	3.86E-20	-2.7485999	0.016	0.342	6.34E-16	12
Rps6.6	5.95E-20	0.5120807	0.914	0.768	9.79E-16	12
Rpl35.4	6.66E-20	0.40598308	0.978	0.923	1.10E-15	12
Rpl29.5	7.28E-20	0.39008539	0.968	0.854	1.20E-15	12
H2-D1.10	2.50E-06	-0.5328944	0.944	0.89	0.04115323	17
Nrip1	1.27E-19	0.86290993	0.301	0.105	2.09E-15	12
Selenop.11	1.36E-19	-2.3469007	0.108	0.423	2.24E-15	12

C1qa.11	2.31E-19	-2.5787695	0.022	0.337	3.79E-15	12
Prdx6.2	2.87E-19	0.93053094	0.403	0.178	4.72E-15	12
Rpl18a.6	2.96E-19	0.34067406	1	0.961	4.87E-15	12
Csf1r.11	3.18E-19	-1.7199122	0.022	0.34	5.23E-15	12
Pld4.7	4.21E-19	-1.2780111	0.016	0.333	6.92E-15	12
Mrc1.11	1.04E-18	-1.7977571	0.005	0.313	1.70E-14	12
Rps27a.4	1.16E-18	0.36156349	0.968	0.936	1.91E-14	12
Rpl14.8	1.29E-18	0.43692382	0.914	0.784	2.12E-14	12
Cfp.10	1.40E-18	-1.459526	0.011	0.319	2.31E-14	12
Pf4.12	2.74E-18	-2.5168576	0.011	0.313	4.51E-14	12
Rpl11.5	4.22E-18	0.34776546	0.978	0.925	6.93E-14	12
Cybb.8	4.38E-18	-1.2857053	0.027	0.336	7.21E-14	12
Rpl27.5	5.12E-18	0.45196096	0.925	0.827	8.43E-14	12
Rpl22.4	6.25E-18	0.41803818	0.941	0.825	1.03E-13	12
Rpl7.4	9.34E-18	0.39393275	0.946	0.839	1.54E-13	12
Itgb7.4	1.22E-17	0.81223048	0.409	0.182	2.01E-13	12
Ccl2.11	2.39E-17	-2.2808215	0	0.288	3.93E-13	12
Spi1.9	4.86E-17	-1.1975502	0.022	0.312	7.99E-13	12
Crip1.10	7.59E-17	-0.9293451	0.516	0.725	1.25E-12	12
Tspan13.2	7.64E-17	0.80230305	0.371	0.16	1.26E-12	12
F13a1.10	9.25E-17	-1.775126	0.005	0.286	1.52E-12	12
Cd68.8	1.06E-16	-1.2950969	0	0.279	1.74E-12	12
Lgals3.11	1.18E-16	-1.3487793	0.065	0.357	1.94E-12	12
B2m.7	1.78E-16	0.41669579	0.909	0.805	2.93E-12	12
Ier3.8	2.51E-16	-1.4996909	0.043	0.332	4.13E-12	12
Rpl38.1	2.98E-16	0.43938471	0.914	0.791	4.91E-12	12
Lgmn.11	3.50E-16	-1.4357957	0.011	0.286	5.76E-12	12
Fcgr2b.7	3.54E-16	-1.2242626	0.011	0.285	5.82E-12	12
Ptprcap.11	4.56E-16	0.58609074	0.522	0.259	7.49E-12	12
Il2rg.9	4.89E-16	0.67810563	0.516	0.279	8.04E-12	12
Rpl5.5	6.40E-16	0.49018999	0.839	0.714	1.05E-11	12
Zeb2.10	6.46E-16	-1.2336496	0.027	0.302	1.06E-11	12
Rpl34.4	7.75E-16	0.30738518	0.989	0.945	1.28E-11	12
Dnaja1.3	1.02E-15	0.9943778	0.457	0.251	1.68E-11	12
App.7	1.08E-15	-1.2052734	0.011	0.28	1.78E-11	12
Mafb.10	1.19E-15	-1.8027014	0.005	0.27	1.96E-11	12
Rpl21.5	1.25E-15	0.46391108	0.855	0.673	2.05E-11	12
Actb.6	1.25E-15	-0.3536203	0.957	0.994	2.05E-11	12
Fcgrt.10	1.31E-15	-1.4100902	0	0.263	2.15E-11	12
Rps26.7	1.37E-15	0.33613528	0.962	0.934	2.25E-11	12
Atf3.8	1.73E-15	-1.091294	0.22	0.514	2.84E-11	12
Rack1.4	1.86E-15	0.46714383	0.892	0.766	3.06E-11	12
Rps27.8	2.47E-15	0.3475751	0.968	0.9	4.07E-11	12

Ldha.6	3.90E-15	0.79102966	0.538	0.334	6.42E-11	12
Cd14.11	6.39E-15	-1.5247507	0.011	0.267	1.05E-10	12
Socs3.10	7.43E-15	-1.1885324	0.022	0.285	1.22E-10	12
Rpl3.6	9.79E-15	0.38743207	0.93	0.835	1.61E-10	12
H2-DMb2.3	5.25E-09	-0.5484342	0.158	0.251	8.63E-05	4
Npc2.8	1.11E-14	-0.8116331	0.231	0.519	1.82E-10	12
Ppp1cc.3	1.53E-14	0.71906984	0.409	0.204	2.51E-10	12
Rassf4.8	2.71E-14	-1.0638187	0.005	0.252	4.46E-10	12
Clec10a.10	2.80E-14	-1.4336011	0.005	0.251	4.61E-10	12
Mgl2.11	2.93E-14	-1.3762331	0.005	0.252	4.82E-10	12
Hcst.3	3.53E-14	0.57227162	0.403	0.19	5.80E-10	12
Selenot	3.94E-14	0.6989253	0.323	0.14	6.48E-10	12
4930523C07R	4.13E-14	0.71210494	0.323	0.14	6.79E-10	12
Rps12.3	6.16E-14	0.30499259	0.973	0.937	1.01E-09	12
Fkbp3	3.20E-13	0.68299922	0.269	0.109	5.27E-09	12
Rpl24.3	3.28E-13	0.38698681	0.93	0.849	5.40E-09	12
Ppia.5	4.25E-13	0.34226901	0.925	0.888	6.99E-09	12
Napsa.10	5.35E-13	-1.110275	0.032	0.27	8.81E-09	12
Cd79a.12	8.09E-13	-1.8931739	0.027	0.257	1.33E-08	12
Nfkb.10	1.12E-12	0.61026072	0.71	0.516	1.85E-08	12
Rps23.2	1.31E-12	0.35149159	0.93	0.895	2.15E-08	12
Clta.8	1.82E-12	-0.6985607	0.285	0.555	2.99E-08	12
Atp6v0b.8	1.93E-12	-0.7985016	0.102	0.366	3.18E-08	12
Rpl26.4	2.00E-12	0.31527909	0.946	0.897	3.29E-08	12
Rpl28.5	3.24E-12	0.29974214	0.946	0.913	5.33E-08	12
Rpl22l1.5	3.40E-12	0.59181353	0.613	0.438	5.59E-08	12
Sat1.9	3.72E-12	-0.9251442	0.097	0.345	6.12E-08	12
S100a4.5	4.80E-12	0.6129823	0.36	0.177	7.89E-08	12
Rpl6.5	4.88E-12	0.32045435	0.952	0.896	8.03E-08	12
Atp6v0c.9	6.82E-12	-0.8132537	0.172	0.43	1.12E-07	12
Iqgap1.3	7.60E-12	-0.7247197	0.188	0.447	1.25E-07	12
Eef1b2.4	9.47E-12	0.44092146	0.812	0.666	1.56E-07	12
H3f3a.8	1.15E-11	-0.5652538	0.532	0.743	1.89E-07	12
Vps37b.8	1.18E-11	0.64736978	0.441	0.239	1.93E-07	12
Srgn.4	1.18E-11	0.50880614	0.806	0.669	1.94E-07	12
Rel.8	2.87E-11	-0.8712784	0.059	0.286	4.72E-07	12
Litaf.4	4.90E-11	-0.7864161	0.048	0.269	8.07E-07	12
Anxa2.11	5.61E-11	-0.9125541	0.059	0.28	9.22E-07	12
Pde4b.7	6.11E-11	-0.6363725	0.177	0.423	1.00E-06	12
Arpc1b.8	8.66E-11	-0.5466193	0.398	0.628	1.42E-06	12
Rpl37.3	9.17E-11	0.26574465	0.957	0.928	1.51E-06	12
Nr4a1.6	9.88E-11	0.68963572	0.634	0.502	1.63E-06	12
Ccnd2.4	1.28E-10	0.5642404	0.376	0.2	2.10E-06	12

Nfkbid.5	1.58E-10	0.58534017	0.425	0.239	2.60E-06	12
Efhd2.9	1.64E-10	-0.7845802	0.081	0.301	2.70E-06	12
Egr1.9	1.80E-10	-1.2332898	0.263	0.462	2.96E-06	12
Rpl9.2	2.05E-10	0.41359134	0.769	0.626	3.37E-06	12
Slc25a3	2.13E-10	0.44625074	0.645	0.49	3.50E-06	12
Hexa.8	2.21E-10	-0.8774283	0.081	0.297	3.64E-06	12
Rpl13a.9	2.45E-10	0.27935921	0.93	0.81	4.02E-06	12
Ptpn18.4	2.48E-10	0.41414227	0.758	0.61	4.08E-06	12
Fosb.8	2.52E-10	0.4694538	0.699	0.497	4.15E-06	12
Nfkbiz.9	2.71E-10	0.37551438	0.667	0.435	4.46E-06	12
Ighm.9	3.63E-10	-1.4383656	0.194	0.42	5.97E-06	12
S100a10.10	4.65E-10	0.51019031	0.629	0.456	7.65E-06	12
Aff4	5.20E-10	0.55475282	0.28	0.131	8.56E-06	12
Tagln2.8	5.29E-10	0.5190295	0.651	0.486	8.70E-06	12
Shisa5.9	5.84E-10	0.43083012	0.624	0.447	9.61E-06	12
Zfp36l1.9	6.04E-10	0.60354564	0.656	0.525	9.93E-06	12
Ctsa.9	6.81E-10	-0.7830233	0.081	0.289	1.12E-05	12
Kctd12.9	6.99E-10	-0.7356879	0.151	0.376	1.15E-05	12
Sptssa.1	7.92E-10	0.67050898	0.323	0.172	1.30E-05	12
Ubc.10	9.31E-10	-0.6592628	0.317	0.546	1.53E-05	12
Dusp5.6	1.21E-09	0.60892507	0.392	0.226	1.98E-05	12
Ctsz.7	1.32E-09	-0.6766339	0.134	0.358	2.18E-05	12
Ptpn6.7	1.39E-09	-0.7689824	0.065	0.263	2.28E-05	12
Ier5.8	1.73E-09	-0.6376954	0.151	0.376	2.85E-05	12
Rps13.5	1.90E-09	0.2803767	0.941	0.829	3.12E-05	12
Bri3.9	3.03E-09	-0.6487127	0.151	0.377	4.98E-05	12
Ets1.4	3.26E-09	0.45329181	0.349	0.18	5.36E-05	12
Plec.2	3.80E-09	0.63127262	0.312	0.166	6.26E-05	12
Cltc.9	6.99E-09	-0.7424521	0.134	0.336	0.00011492	12
Rps28.3	7.47E-09	0.33929428	0.892	0.796	0.00012281	12
Neur13.1	9.22E-09	0.65505369	0.323	0.178	0.00015169	12
Neat1.10	1.01E-08	-0.7980747	0.129	0.331	0.000166	12
Ptms.8	1.12E-08	-0.6367443	0.091	0.293	0.00018468	12
Tmem176b.8	1.16E-08	0.32465645	0.656	0.434	0.00019003	12
Naca.5	1.31E-08	0.36680998	0.769	0.655	0.00021584	12
Clic4.9	1.32E-08	-0.7191847	0.07	0.256	0.00021661	12
H2-K1.2	6.93E-02	-0.5495101	0.676	0.859	1.14E-37	3
Gabarapl2.2	1.41E-08	0.544324	0.366	0.212	0.00023255	12
Man2b1.8	1.42E-08	-0.6761157	0.108	0.304	0.00023311	12
Dusp1.7	1.59E-08	-0.7512764	0.473	0.609	0.00026234	12
Ly6d.10	1.66E-08	-1.1068424	0.129	0.312	0.00027252	12
Hsp90b1.3	1.74E-08	-0.5447309	0.247	0.48	0.00028574	12
Ehd4.9	1.88E-08	-0.748723	0.086	0.271	0.00030986	12

Gdi2.5	1.92E-08	-0.6404869	0.177	0.38	0.0003159	12
Rpl7a.2	2.49E-08	0.35932106	0.839	0.761	0.00040908	12
Esyt1.1	2.66E-08	0.54410654	0.285	0.149	0.00043781	12
Nr3c1	2.87E-08	0.54677767	0.306	0.165	0.00047159	12
Laptm4a.7	2.90E-08	-0.6618751	0.091	0.277	0.00047682	12
Foxp1.7	3.23E-08	-0.6829587	0.086	0.27	0.00053163	12
Saraf.2	4.58E-08	0.50297685	0.312	0.171	0.00075327	12
Gabarap.5	4.75E-08	-0.4660005	0.355	0.57	0.00078186	12
Tmem176a.8	6.16E-08	0.43419327	0.5	0.33	0.00101307	12
Prdx1.5	6.36E-08	-0.6074303	0.188	0.384	0.00104539	12
Rexo2.1	6.76E-08	0.57044714	0.301	0.169	0.00111158	12
Atox1.11	8.16E-08	-0.5916712	0.263	0.461	0.00134202	12
Odc1.2	9.84E-08	0.63626716	0.323	0.187	0.00161891	12
Xist.5	1.01E-07	0.50150794	0.591	0.472	0.00166078	12
mt-Nd1.2	1.24E-07	0.26881088	0.909	0.867	0.00204445	12
Pim1.6	1.30E-07	0.48462147	0.575	0.446	0.0021446	12
Rgs10.8	1.31E-07	-0.6193298	0.102	0.28	0.00216094	12
Ier2.9	1.33E-07	-0.4615204	0.339	0.561	0.00219538	12
Lmna.3	1.58E-07	0.54346342	0.349	0.208	0.00260486	12
Nrros.10	1.60E-07	-0.642158	0.113	0.288	0.00263145	12
Brd2	2.13E-07	-0.6278203	0.091	0.26	0.00350593	12
Erp29.7	2.19E-07	-0.5632855	0.188	0.371	0.00359964	12
Eif4a1.2	2.48E-07	-0.4825538	0.14	0.327	0.00408524	12
Fos.7	3.15E-07	-0.8435176	0.511	0.623	0.00518616	12
Calm1.3	4.31E-07	-0.3839905	0.543	0.721	0.00708475	12
Lcp1.3	4.42E-07	-0.4562826	0.339	0.539	0.00726613	12
Pole4	4.75E-07	0.541179	0.285	0.16	0.0078176	12
Fosl2.4	4.97E-07	0.5914581	0.339	0.212	0.00817877	12
Hspa5.1	5.51E-07	-0.401739	0.269	0.468	0.00907047	12
H2afz.11	5.86E-07	-0.5737277	0.425	0.592	0.00963319	12
Gnai2.7	6.67E-07	-0.4579084	0.349	0.532	0.01097362	12
Fam107b.2	7.45E-07	0.50895787	0.306	0.178	0.01225949	12
Tuba1b.5	8.74E-07	-0.6048713	0.151	0.324	0.01437858	12
Anxa5.7	9.16E-07	-0.4780514	0.167	0.347	0.01506087	12
Btg1.7	9.76E-07	0.34035626	0.688	0.57	0.01606221	12
Uqcrh.1	1.01E-06	0.36688388	0.672	0.559	0.01664334	12
Snx5.10	1.03E-06	-0.5648294	0.151	0.321	0.01700469	12
Npm1.5	1.09E-06	0.36546277	0.64	0.528	0.01788178	12
Jun.11	1.23E-06	-1.0583909	0.323	0.466	0.02020677	12
Ncor1.1	1.39E-06	0.5134526	0.317	0.195	0.02285874	12
Fkbp1a.4	1.45E-06	-0.5225458	0.097	0.256	0.02387538	12
Snx3.5	1.58E-06	-0.4052819	0.167	0.355	0.02606185	12
Myh9.5	2.12E-06	-0.4766586	0.328	0.506	0.03487889	12

Ythdc1	2.17E-06	0.55791074	0.301	0.184	0.03562362	12
Lsp1.10	2.51E-06	-0.674041	0.253	0.4	0.04131305	12
Fam49b.4	2.53E-06	-0.5181783	0.14	0.304	0.04158376	12
Arpc2.7	2.83E-06	-0.3648465	0.532	0.67	0.04655309	12
Sh3bgrl3.6	3.27E-06	0.29252286	0.823	0.746	0.05384857	12
Rps15.2	5.60E-06	0.31518714	0.726	0.673	0.09219201	12
Sept1.4	5.99E-06	0.41059738	0.285	0.165	0.09860096	12
Aes.1	7.10E-06	0.57107908	0.323	0.212	0.11670869	12
Rhoa.1	8.04E-06	-0.3654193	0.323	0.508	0.13232559	12
Lars2.1	8.18E-06	0.36140047	0.817	0.709	0.13449436	12
Ccnl1.8	8.61E-06	-0.4958562	0.151	0.31	0.14154563	12
Akr1a1.7	1.22E-05	-0.3811572	0.188	0.356	0.20010682	12
Fxyd5.11	1.40E-05	0.33257872	0.591	0.462	0.23042096	12
Rpl17.5	1.63E-05	0.35978222	0.645	0.57	0.26866506	12
Canx.4	1.78E-05	-0.5061661	0.145	0.29	0.29249722	12
Cox6c.3	1.80E-05	0.38476435	0.527	0.445	0.29680492	12
lfrd1.3	1.96E-05	0.42842589	0.355	0.237	0.32245562	12
S100a6.10	2.18E-05	0.29868449	0.817	0.751	0.3582499	12
Wnk1.4	2.42E-05	-0.4739189	0.124	0.263	0.39869093	12
Rpl4.6	2.55E-05	0.28315265	0.726	0.642	0.42021209	12
Gstm1.10	2.88E-05	-0.3209777	0.511	0.649	0.47393724	12
Gng5.6	2.94E-05	-0.3390543	0.435	0.601	0.48281837	12
Eif3f.6	3.04E-05	0.28190789	0.699	0.616	0.50036341	12
Atpif1.11	3.21E-05	-0.3160375	0.156	0.319	0.52772921	12
Ucp2.6	3.34E-05	-0.3518038	0.446	0.602	0.54953905	12
Rrbp1.8	3.37E-05	-0.3780857	0.194	0.352	0.55360293	12
Sept9.4	3.43E-05	0.45456564	0.258	0.156	0.56470185	12
Pebp1.1	3.76E-05	0.41782875	0.323	0.214	0.6179333	12
Syng2.8	3.88E-05	-0.4960935	0.118	0.251	0.63758841	12
Rap1a.3	4.49E-05	-0.3655502	0.134	0.278	0.73788651	12
Rtn4.6	5.74E-05	-0.4286227	0.118	0.254	0.94388445	12
Selplg.7	5.90E-05	0.37391211	0.409	0.303	0.96983885	12
Dbi.7	7.23E-05	-0.3912138	0.156	0.295	1	12
Btf3.3	7.60E-05	0.30192325	0.667	0.611	1	12
Mrfap1.1	7.67E-05	-0.3588396	0.134	0.276	1	12
Lamp1.10	7.81E-05	-0.4817383	0.28	0.417	1	12
Rps27l.7	8.32E-05	-0.4519734	0.177	0.311	1	12
Gpx4.1	8.47E-05	0.38483063	0.527	0.441	1	12
Calr.1	8.48E-05	-0.3512759	0.188	0.34	1	12
Aldoa.5	9.17E-05	0.39365932	0.462	0.364	1	12
Bhlhe40.3	9.30E-05	0.4985482	0.28	0.181	1	12
Rac2.10	9.36E-05	0.29853968	0.586	0.479	1	12
Cd52.8	9.95E-05	-0.325552	0.699	0.735	1	12

Sh3glb1.2	0.00013742	-0.3260389	0.21	0.355	1	12
Sub1.6	0.00014608	0.33110885	0.565	0.461	1	12
Klf4.8	0.00017945	-0.6484229	0.247	0.378	1	12
Rpl23a.2	0.00018051	0.33396845	0.661	0.636	1	12
Gpr132.4	0.00019165	0.43614044	0.317	0.222	1	12
Ctsd.10	0.00021723	-0.5468741	0.172	0.293	1	12
Rap1b.6	0.00025412	-0.3324862	0.269	0.418	1	12
Gstp1.5	0.00027561	0.3050242	0.403	0.295	1	12
Scand1.2	0.00033696	-0.2725193	0.199	0.34	1	12
Usmg5.2	0.00037519	0.37053851	0.366	0.272	1	12
Atp6v0e	0.00043228	-0.2556038	0.247	0.392	1	12
Rabac1.1	0.00045756	0.38018101	0.392	0.303	1	12
Spcs2.1	0.00046387	0.46125144	0.28	0.2	1	12
Capza2.5	0.00051024	-0.3505575	0.145	0.261	1	12
Gltf.7	0.00054454	-0.3099031	0.14	0.261	1	12
Elf1.1	0.00057519	0.38392774	0.301	0.21	1	12
Cebpb.11	0.00067536	-0.5075107	0.22	0.332	1	12
Atp5g2.1	0.00071843	0.2924355	0.57	0.505	1	12
Eif5.1	0.00074597	-0.2722199	0.161	0.283	1	12
Jpt1.2	0.00077082	-0.3033939	0.194	0.324	1	12
Rapgef6	0.0007757	0.41824497	0.263	0.178	1	12
Txn1.5	0.00084484	0.26188102	0.339	0.249	1	12
Ptbp3	0.00093022	-0.2723188	0.151	0.266	1	12
Pomp.4	0.00100782	-0.3198379	0.204	0.325	1	12
Vps28.3	0.00104287	0.38599126	0.274	0.194	1	12
Flna.8	0.00112657	-0.4020746	0.188	0.301	1	12
Cyba.4	0.0012072	-0.2549768	0.656	0.719	1	12
Ostf1.3	0.00133367	-0.3428235	0.204	0.317	1	12
Klf6.10	0.00135663	-0.4422237	0.414	0.533	1	12
Gm8186.2	0.00147158	0.3611207	0.333	0.256	1	12
Mrpl33.3	0.00149804	0.36833152	0.296	0.217	1	12
Snrpf.3	0.00154999	0.30670895	0.333	0.248	1	12
Csnk2b.1	0.00158439	0.38933056	0.263	0.187	1	12
Eif3h.3	0.00159561	0.33903556	0.478	0.408	1	12
Vamp8.7	0.00175085	-0.2761094	0.22	0.345	1	12
Uqcrb	0.0018116	-0.3078499	0.177	0.283	1	12
Sdcbp.6	0.00190932	-0.3524944	0.172	0.277	1	12
Dazap2.1	0.00195619	-0.3323863	0.21	0.323	1	12
Elob.2	0.00207325	0.30655749	0.5	0.435	1	12
Zfand5.7	0.00262292	-0.2559859	0.156	0.264	1	12
Atp6v1g1.2	0.00266465	-0.2578407	0.183	0.295	1	12
Tbca.2	0.00287351	0.35154172	0.355	0.278	1	12
Serp1.6	0.00291544	0.35692523	0.441	0.374	1	12

2010107E04Ri	0.00296719	0.38219446	0.366	0.301	1	12
Dynll1.1	0.00309573	-0.2775643	0.204	0.311	1	12
Rpl31.1	0.00322082	0.27274062	0.543	0.496	1	12
Mif.6	0.00324048	0.26446224	0.323	0.246	1	12
Sec11c.2	0.00418211	0.29651034	0.339	0.26	1	12
Sec62	0.00462523	0.29166351	0.253	0.183	1	12
Eif3e.4	0.00477169	0.29768181	0.333	0.263	1	12
Anp32b.4	0.00483311	0.30892683	0.371	0.305	1	12
Prdx5.7	0.00485764	-0.2879414	0.231	0.338	1	12
Eif3a	0.00598483	-0.2661437	0.194	0.291	1	12
Ndufb5	0.00668882	0.257605	0.317	0.244	1	12
Cytip.8	0.00747134	-0.3751317	0.242	0.329	1	12
Itgb2.7	0.00981127	-0.2922452	0.183	0.27	1	12
Lgals1.9	0.00986819	0.33480085	0.462	0.401	1	12
Igkv6-15	0	3.45504337	0.95	0.011	0	13
Ighv1-58	0	3.29225506	0.958	0.005	0	13
Mzb1.1	3.02E-118	1.90059319	0.748	0.102	4.96E-114	13
Fcrl5.1	8.47E-91	1.30220809	0.328	0.023	1.39E-86	13
Cd79a.13	6.34E-71	1.28862611	0.95	0.241	1.04E-66	13
Plac8.2	8.69E-71	1.45459552	0.748	0.159	1.43E-66	13
Ctla4.1	1.21E-63	1.33853277	0.42	0.055	1.99E-59	13
Iglc3.2	1.07E-56	1.3688604	0.571	0.11	1.76E-52	13
Blk.1	2.64E-55	1.19472634	0.37	0.048	4.34E-51	13
Nfatc1.1	3.85E-54	1.48607703	0.58	0.124	6.34E-50	13
Iglc2.2	3.00E-51	1.33835679	0.58	0.124	4.93E-47	13
Cd79b.2	3.44E-51	1.33219115	0.714	0.19	5.66E-47	13
Ms4a1.2	1.11E-47	1.1024838	0.597	0.13	1.82E-43	13
Gm30211	4.04E-46	1.05399164	0.294	0.036	6.65E-42	13
Ly6a.4	1.25E-41	1.11482704	0.63	0.168	2.05E-37	13
Ighm.10	1.01E-39	0.66454863	0.874	0.407	1.65E-35	13
D10Wsu102e	2.66E-38	0.99470715	0.277	0.039	4.38E-34	13
Ly6e.10	5.09E-38	0.86725795	0.983	0.747	8.38E-34	13
Ly6d.11	6.46E-38	1.06364486	0.807	0.3	1.06E-33	13
Rpl8.7	2.56E-37	0.74572249	0.983	0.916	4.21E-33	13
Igkc.2	7.06E-37	0.59985876	0.605	0.167	1.16E-32	13
Hepacam2.1	4.51E-33	0.97818205	0.269	0.043	7.42E-29	13
H2-K1.1	1.05E-42	-0.5530148	0.813	0.846	1.73E-38	2
Rpl30.5	6.78E-32	0.63217224	1	0.952	1.12E-27	13
Cxcr5.1	8.62E-32	1.04273108	0.286	0.048	1.42E-27	13
Fcmr.2	1.35E-30	0.94444929	0.471	0.117	2.23E-26	13
Apobec3.2	2.52E-30	1.11248264	0.563	0.187	4.15E-26	13
H2-DMb1.2	7.03E-24	-0.55912	0.145	0.346	1.16E-19	3
Camk2d.1	1.35E-28	0.97292372	0.454	0.123	2.22E-24	13

Sh3bp5.1	2.21E-28	1.07624264	0.378	0.089	3.63E-24	13
Fcer1g.10	5.46E-28	-2.4341793	0.034	0.585	8.98E-24	13
Tyrobp.11	8.37E-28	-2.3453323	0.101	0.616	1.38E-23	13
Junb.9	1.52E-26	-1.2132851	0.521	0.848	2.49E-22	13
A530040E14R	3.51E-26	0.88403634	0.252	0.045	5.78E-22	13
Cd19.2	4.64E-26	0.89927926	0.319	0.068	7.64E-22	13
Lyz2.12	2.18E-25	-3.4351171	0.059	0.562	3.59E-21	13
Napsa.11	3.30E-25	1.01446758	0.639	0.258	5.43E-21	13
Ebf1.2	4.46E-25	0.67713688	0.496	0.14	7.33E-21	13
Cst3.10	5.36E-24	-2.3640556	0.345	0.69	8.81E-20	13
Bank1.2	1.32E-23	0.85334406	0.496	0.157	2.16E-19	13
Myo1e.1	3.35E-23	0.89490255	0.303	0.068	5.52E-19	13
Dnajc7.1	8.79E-23	1.08507485	0.445	0.147	1.45E-18	13
Cd37.9	1.04E-22	0.85337332	0.706	0.324	1.71E-18	13
Txnip.5	3.33E-22	0.96470567	0.588	0.236	5.47E-18	13
Rpl37.4	3.98E-22	0.54177093	0.958	0.929	6.55E-18	13
mt-Cytb.4	6.26E-22	0.49380745	1	0.936	1.03E-17	13
Rpl3.7	1.47E-21	0.58185557	0.933	0.836	2.42E-17	13
Cd24a.3	2.66E-21	0.99433505	0.412	0.132	4.38E-17	13
Zfp36.8	3.92E-21	-1.7421299	0.21	0.618	6.44E-17	13
Dusp1.8	5.56E-21	-1.6069243	0.168	0.612	9.15E-17	13
Odc1.3	1.26E-20	0.97887894	0.504	0.186	2.07E-16	13
Cyp4f18.1	1.65E-20	0.96860802	0.319	0.085	2.72E-16	13
Foxp1.8	2.12E-20	0.85197218	0.605	0.261	3.49E-16	13
Gimap5.2	3.28E-20	0.87405569	0.319	0.083	5.40E-16	13
Ifitm3.11	4.11E-20	-2.1648605	0.059	0.498	6.77E-16	13
Rpl13.6	7.19E-20	0.40462602	1	0.981	1.18E-15	13
Fcrla	1.16E-19	0.91326151	0.286	0.071	1.91E-15	13
Gm8369	5.27E-19	0.78227594	0.277	0.068	8.67E-15	13
Fos.8	8.17E-19	-1.7767416	0.261	0.626	1.34E-14	13
Rac2.11	9.35E-19	0.81206284	0.756	0.477	1.54E-14	13
Tmsb4x.8	2.14E-18	-0.5686339	0.983	0.993	3.52E-14	13
Nfkbiz.10	2.19E-18	-2.0264972	0.034	0.447	3.59E-14	13
Rps9.3	2.58E-17	0.37197456	0.992	0.963	4.25E-13	13
Ftl1.11	2.76E-17	-1.2121734	0.79	0.892	4.54E-13	13
Rps20.7	3.77E-17	0.39081448	0.992	0.972	6.21E-13	13
Ltb.6	3.92E-17	0.66243894	0.521	0.202	6.45E-13	13
Ptprcap.12	4.97E-17	0.78934978	0.597	0.26	8.17E-13	13
Cybb.9	9.13E-17	0.91593748	0.622	0.325	1.50E-12	13
Ccl6.12	9.70E-17	-2.1554321	0.034	0.418	1.60E-12	13
Tsc22d3.2	9.82E-17	1.10397749	0.471	0.198	1.61E-12	13
Alox5ap.12	1.06E-16	-1.7403517	0.017	0.403	1.75E-12	13
Gm15987.1	2.03E-16	0.78860049	0.252	0.065	3.34E-12	13

Mt1.12	2.31E-16	-2.3852608	0.042	0.422	3.80E-12	13
Gpx1.12	2.98E-16	-1.2358914	0.496	0.715	4.90E-12	13
Rps15a.8	3.30E-16	0.38130723	0.992	0.95	5.43E-12	13
Rps18.7	4.32E-16	0.50399866	0.941	0.869	7.10E-12	13
Cd55.1	4.37E-16	0.7625807	0.311	0.091	7.19E-12	13
Tmem176b.9	4.98E-16	-1.5984563	0.059	0.445	8.20E-12	13
Dok3.1	5.40E-16	0.76733292	0.294	0.086	8.89E-12	13
Ctsb.12	7.33E-16	-1.8656167	0.118	0.481	1.21E-11	13
mt-Atp8.9	1.05E-15	0.39782206	0.992	0.928	1.73E-11	13
mt-Nd4l.6	1.12E-15	0.42261446	0.975	0.9	1.85E-11	13
Rps7.6	1.34E-15	0.38890189	0.975	0.941	2.21E-11	13
Rps19.7	2.34E-15	0.38958527	0.966	0.933	3.84E-11	13
Egr1.10	2.98E-15	-1.8594452	0.092	0.463	4.90E-11	13
Uchl3.1	2.98E-15	0.76649651	0.286	0.086	4.91E-11	13
Rps27.9	3.14E-15	0.43630852	0.966	0.901	5.17E-11	13
Ifitm2.11	6.36E-15	-1.6052175	0.034	0.396	1.05E-10	13
Gimap6.4	7.89E-15	0.74320242	0.462	0.187	1.30E-10	13
Vim.10	8.57E-15	-1.1843715	0.303	0.627	1.41E-10	13
Rps26.8	1.32E-14	0.37893783	0.983	0.934	2.18E-10	13
Tagln2.9	1.44E-14	-1.2001721	0.134	0.495	2.36E-10	13
Fth1.10	1.74E-14	-0.7674705	0.924	0.958	2.85E-10	13
mt-Nd5.6	3.38E-14	0.67595362	0.849	0.657	5.56E-10	13
Rpl9-ps6.8	8.17E-14	0.38556546	0.958	0.905	1.34E-09	13
Pold4.2	9.96E-14	0.78458118	0.403	0.164	1.64E-09	13
Crip1.11	1.03E-13	-1.1349106	0.513	0.723	1.69E-09	13
Csf1r.12	1.58E-13	-1.8021852	0.008	0.338	2.59E-09	13
Gimap1.1	2.46E-13	0.68427734	0.303	0.099	4.05E-09	13
Pltp.12	2.47E-13	-1.8195271	0.017	0.342	4.07E-09	13
Selenop.12	2.69E-13	-2.3579934	0.101	0.421	4.43E-09	13
Rps3a1.6	2.90E-13	0.32470729	0.983	0.964	4.76E-09	13
Atox1.12	3.03E-13	-1.1702243	0.126	0.461	4.98E-09	13
C1qb.12	5.94E-13	-2.609238	0.042	0.357	9.77E-09	13
C1qc.12	7.81E-13	-2.6127886	0.025	0.339	1.28E-08	13
Pf4.13	9.05E-13	-2.6345069	0	0.311	1.49E-08	13
Rps13.6	1.11E-12	0.4102527	0.941	0.83	1.82E-08	13
Ier3.9	2.50E-12	-1.8248521	0.025	0.33	4.11E-08	13
Emp3.7	2.60E-12	-1.0618678	0.126	0.438	4.27E-08	13
Rpsa.7	2.64E-12	0.33610771	0.983	0.934	4.35E-08	13
Psm14	2.73E-12	0.79501558	0.261	0.086	4.49E-08	13
Ifngr1.8	2.90E-12	-1.2546708	0.067	0.387	4.76E-08	13
C1qa.12	3.05E-12	-2.5198071	0.034	0.334	5.01E-08	13
Rps24.7	3.32E-12	0.27280908	1	0.988	5.46E-08	13
Rpl32.6	4.18E-12	0.31992965	0.983	0.949	6.87E-08	13

Nfkbia.11	5.27E-12	-1.2203113	0.227	0.525	8.67E-08	13
Sub1.7	6.82E-12	0.61784777	0.697	0.46	1.12E-07	13
Pdia4.1	6.83E-12	0.7986369	0.353	0.145	1.12E-07	13
Fosb.9	7.84E-12	-1.1236195	0.185	0.507	1.29E-07	13
Vars.2	8.08E-12	0.77815263	0.319	0.121	1.33E-07	13
Syk.3	8.41E-12	0.8249169	0.437	0.209	1.38E-07	13
Mrc1.12	9.41E-12	-1.7176178	0.017	0.31	1.55E-07	13
mt-Co3.4	1.01E-11	0.28322737	0.983	0.975	1.67E-07	13
Psap.10	1.13E-11	-1.0220428	0.496	0.679	1.86E-07	13
Itm2b.10	1.28E-11	-0.9537965	0.664	0.789	2.11E-07	13
F13a1.11	1.77E-11	-1.7990841	0	0.284	2.90E-07	13
Npc2.9	1.83E-11	-0.9449839	0.21	0.517	3.01E-07	13
Pfdn5.1	3.14E-11	0.54127483	0.756	0.602	5.16E-07	13
Rpl19.7	3.40E-11	0.31028266	0.992	0.954	5.59E-07	13
Arpc1b.9	3.65E-11	-0.7571813	0.353	0.627	6.00E-07	13
Rpl27a.6	4.64E-11	0.37266304	0.966	0.888	7.63E-07	13
Mtss1.2	5.46E-11	0.76518223	0.353	0.15	8.99E-07	13
Tmem176a.9	6.67E-11	-1.2711172	0.05	0.338	1.10E-06	13
Rps11.6	9.75E-11	0.2913425	1	0.966	1.60E-06	13
Zfp36l2.4	1.13E-10	-1.0805744	0.092	0.384	1.86E-06	13
Cd68.9	1.15E-10	-1.2567504	0.008	0.276	1.89E-06	13
Rgs10.9	1.16E-10	-1.1619994	0.008	0.28	1.91E-06	13
Fcgrt.11	1.93E-10	-1.4035526	0	0.261	3.18E-06	13
Rps3.7	2.62E-10	0.29582639	0.975	0.912	4.32E-06	13
Klf4.9	2.66E-10	-1.4517	0.101	0.379	4.38E-06	13
Ahnak.8	2.94E-10	-0.9244214	0.277	0.551	4.83E-06	13
Gstm1.11	3.05E-10	0.50092628	0.866	0.642	5.02E-06	13
Rac1.4	3.99E-10	-0.8602994	0.143	0.438	6.57E-06	13
Lgals1.10	4.01E-10	-1.1055073	0.118	0.407	6.59E-06	13
Man1a.1	4.94E-10	0.71017176	0.378	0.175	8.12E-06	13
Hvcn1.2	5.85E-10	0.5436154	0.261	0.092	9.63E-06	13
Actg1.7	7.29E-10	-0.5417229	0.84	0.902	1.20E-05	13
Zfp706.1	7.41E-10	0.65961412	0.538	0.32	1.22E-05	13
Rps2.6	7.67E-10	0.33377832	0.975	0.943	1.26E-05	13
Zyx.10	8.35E-10	-1.1169735	0.017	0.267	1.37E-05	13
Mafb.11	8.81E-10	-1.7109964	0.017	0.267	1.45E-05	13
Cd14.12	1.30E-09	-1.4671352	0.017	0.264	2.14E-05	13
Ccl2.12	1.30E-09	-2.0112631	0.034	0.285	2.15E-05	13
Cd52.9	1.33E-09	0.47388817	0.857	0.732	2.18E-05	13
Ifi27l2a.11	1.60E-09	-1.3881287	0.151	0.406	2.63E-05	13
Rpl34.5	1.60E-09	0.27521035	0.966	0.946	2.64E-05	13
Lgmn.12	2.41E-09	-1.2464432	0.034	0.283	3.97E-05	13
Cxcl2.11	2.85E-09	-2.3535326	0.017	0.254	4.68E-05	13

Cd38	2.88E-09	0.5692046	0.286	0.112	4.73E-05	13
Cfp.11	2.93E-09	-1.1123675	0.059	0.316	4.82E-05	13
Jun.12	3.11E-09	-1.3427565	0.21	0.466	5.12E-05	13
Grn.9	4.59E-09	-1.0913606	0.118	0.38	7.55E-05	13
Gimap3.5	4.71E-09	0.54051792	0.361	0.16	7.75E-05	13
Anxa5.8	4.75E-09	-0.9243159	0.084	0.346	7.82E-05	13
Wfdc17.10	4.76E-09	-1.3402267	0.084	0.334	7.83E-05	13
B2m.8	4.92E-09	-0.4971004	0.647	0.81	8.10E-05	13
Pkig.1	5.74E-09	0.57335372	0.353	0.159	9.44E-05	13
Klf6.11	5.81E-09	-0.8618377	0.269	0.534	9.56E-05	13
Gimap4.4	6.46E-09	0.49740151	0.353	0.153	0.00010624	13
Sp140.2	8.30E-09	0.63202817	0.353	0.167	0.00013654	13
Cd69.2	9.78E-09	0.65550096	0.261	0.103	0.00016086	13
Efhd2.10	1.05E-08	-0.9028312	0.05	0.3	0.00017233	13
Lgals3.12	1.23E-08	-1.092867	0.109	0.353	0.00020203	13
Tnfaip3.8	1.27E-08	-1.0129504	0.084	0.332	0.00020893	13
Itgb2.8	1.36E-08	-0.9437195	0.034	0.271	0.00022297	13
Anxa2.12	1.36E-08	-1.0298941	0.042	0.279	0.00022366	13
H2-DMb1.4	2.88E-10	-0.5599479	0.195	0.335	4.73E-06	6
Eef1d.4	2.46E-08	0.57927649	0.58	0.409	0.00040386	13
Tcf4.2	2.69E-08	0.70291647	0.319	0.151	0.00044316	13
Atpif1.12	4.24E-08	-0.8295959	0.076	0.319	0.00069813	13
Mif4gd.1	4.53E-08	0.58218143	0.277	0.118	0.00074591	13
Kctd12.10	4.97E-08	-0.9325388	0.134	0.374	0.00081811	13
Rpl14.9	5.02E-08	0.34148925	0.882	0.785	0.0008259	13
Pfn1.4	5.17E-08	-0.4663219	0.731	0.861	0.0008507	13
Rap1b.7	5.23E-08	-0.7574899	0.168	0.419	0.0008596	13
Eif4b.1	5.23E-08	0.64484799	0.378	0.195	0.00086086	13
Actb.7	5.51E-08	-0.3189831	0.975	0.994	0.00090688	13
Rpl12.9	6.04E-08	0.40695241	0.857	0.76	0.0009938	13
Man2b1.9	6.70E-08	-0.82034	0.067	0.303	0.00110131	13
Gnai2.8	6.91E-08	-0.6872875	0.286	0.532	0.00113667	13
Zbtb20.1	7.11E-08	0.71175016	0.303	0.137	0.00117	13
Neat1.11	7.26E-08	-1.0333884	0.101	0.33	0.00119457	13
Nrros.11	8.43E-08	-0.8519504	0.059	0.288	0.00138612	13
Myl6.5	9.68E-08	-0.581639	0.454	0.656	0.00159278	13
Lamp1.11	9.69E-08	-0.8298459	0.176	0.418	0.0015944	13
Tmod3.1	9.72E-08	0.54633235	0.319	0.151	0.00159909	13
Cnp.1	1.12E-07	0.59676531	0.277	0.123	0.00184616	13
Gadd45b.10	1.21E-07	-1.0192571	0.042	0.254	0.00199416	13
Zeb2.11	1.34E-07	-0.8597093	0.076	0.299	0.00220649	13
Clta.9	1.79E-07	-0.6682248	0.336	0.552	0.00294514	13
Fyb.8	1.86E-07	-0.8855791	0.042	0.253	0.00305683	13

Ctsc.10	2.08E-07	-1.0134018	0.21	0.418	0.00341366	13
ler5.9	2.09E-07	-0.6897403	0.126	0.375	0.00344094	13
Cox5a.4	2.31E-07	-0.6960851	0.143	0.384	0.0037919	13
Rpl36.7	2.34E-07	0.28388965	0.924	0.899	0.00384712	13
Rel.9	2.56E-07	0.57574159	0.471	0.278	0.00421773	13
Malat1.6	2.99E-07	0.28715708	0.992	0.935	0.00492441	13
App.8	3.31E-07	-0.9021287	0.067	0.277	0.00544977	13
ler2.10	3.33E-07	-0.7849322	0.345	0.559	0.00547749	13
Nr4a1.7	8.88E-07	-0.6503041	0.261	0.509	0.01460534	13
Sem1.6	1.03E-06	-0.61945	0.345	0.552	0.01687046	13
Atp6v0c.10	1.10E-06	-0.7330149	0.21	0.427	0.01814693	13
Marcks.10	1.23E-06	-0.8064797	0.126	0.335	0.02021691	13
Kdm6b.9	1.31E-06	-0.6535879	0.101	0.315	0.02151951	13
Ppp1r18.5	1.84E-06	-0.6982129	0.067	0.262	0.03032927	13
Ctsa.10	1.86E-06	-0.7529409	0.084	0.287	0.03057623	13
H2afz.12	2.15E-06	-0.6764842	0.395	0.591	0.03532202	13
Rab4b.1	3.39E-06	0.60422224	0.252	0.121	0.05568457	13
Rps6.7	3.57E-06	0.29873943	0.891	0.77	0.05870338	13
Ncf4.2	3.73E-06	0.56305382	0.261	0.127	0.06139173	13
Hexa.9	4.02E-06	-0.7515402	0.101	0.295	0.06615813	13
Ly86.7	4.38E-06	0.45905897	0.496	0.315	0.07202657	13
Atp6v0b.9	5.26E-06	-0.5854257	0.151	0.363	0.08647109	13
Pde4b.8	5.70E-06	0.45181406	0.58	0.415	0.09378506	13
Ctsd.11	6.69E-06	-0.7478567	0.101	0.293	0.11004286	13
Serf2.8	6.71E-06	-0.3966934	0.639	0.764	0.11038389	13
Tmem50a.3	6.96E-06	-0.6068336	0.143	0.349	0.11450308	13
Eif3h.4	7.22E-06	0.34124048	0.58	0.407	0.11871856	13
Cdc42.2	7.54E-06	-0.5187599	0.336	0.541	0.12406092	13
H2-Q7.1	2.07E-09	-0.5703948	0.182	0.263	3.40E-05	2
Lyn.6	1.08E-05	0.6280064	0.378	0.239	0.17727811	13
S100a10.11	1.14E-05	-0.6248245	0.269	0.463	0.18825644	13
Cotl1.5	1.15E-05	-0.6557088	0.176	0.365	0.18859992	13
Rilpl2.2	1.43E-05	0.48169729	0.361	0.215	0.2357115	13
Mcl1.10	1.44E-05	-0.6563046	0.244	0.43	0.23615189	13
Gltp.8	1.48E-05	-0.6535183	0.084	0.261	0.24288107	13
Sh3bgrl3.7	1.52E-05	-0.4122614	0.605	0.75	0.25007565	13
Rpl21.6	2.45E-05	0.26455204	0.79	0.676	0.40253253	13
Blnk.1	2.46E-05	0.44340926	0.252	0.125	0.40516945	13
Dnaja1.4	2.60E-05	-0.6286247	0.084	0.259	0.42766715	13
Flna.9	2.88E-05	-0.586097	0.118	0.301	0.47352732	13
Laptm5.4	3.25E-05	-0.4443107	0.479	0.657	0.53538748	13
Arf5.6	3.27E-05	-0.536905	0.227	0.415	0.53754027	13
Arpc2.8	3.28E-05	-0.3524297	0.521	0.669	0.53890476	13

H2afy.7	3.60E-05	-0.5231895	0.084	0.255	0.59256877	13
Calm1.4	3.94E-05	-0.4077583	0.546	0.72	0.64840501	13
Wnk1.5	3.96E-05	-0.5648488	0.092	0.262	0.65118862	13
Sdcbp.7	3.99E-05	-0.5152442	0.101	0.278	0.65563105	13
Rpl22.5	4.12E-05	0.28466194	0.874	0.827	0.67752686	13
Tpm3.2	4.26E-05	-0.5111609	0.328	0.497	0.70011246	13
Ywhaz.3	5.38E-05	0.29210072	0.672	0.527	0.88437686	13
Polr2a.3	5.41E-05	0.43914562	0.353	0.213	0.88938376	13
Gm2a.12	5.65E-05	-0.7187786	0.126	0.289	0.92978488	13
Gng5.7	5.75E-05	-0.4687502	0.445	0.599	0.9459157	13
Oaz1.3	5.89E-05	-0.306629	0.639	0.777	0.96949378	13
Tgfb1.3	7.52E-05	-0.5142138	0.151	0.331	1	13
Dbi.8	7.98E-05	-0.5150327	0.126	0.294	1	13
Myh9.6	8.25E-05	0.41221367	0.63	0.5	1	13
Cfl1.2	8.46E-05	-0.3362	0.681	0.79	1	13
Arcp4.3	9.27E-05	-0.527985	0.168	0.345	1	13
Ndufb8.2	9.57E-05	-0.5247957	0.101	0.265	1	13
Stk17b.6	9.85E-05	0.39705479	0.58	0.435	1	13
Cstb.7	0.00011701	-0.5586265	0.101	0.26	1	13
Ccnl1.9	0.00012612	-0.4664891	0.134	0.309	1	13
Ncl.6	0.00016559	0.44381118	0.496	0.373	1	13
Rbms1.6	0.00017374	-0.4717749	0.101	0.259	1	13
Btg2.7	0.00017792	-0.4154631	0.529	0.673	1	13
Ehd4.10	0.00017847	-0.6356516	0.118	0.269	1	13
Nol7.5	0.00018334	0.42752998	0.403	0.268	1	13
Npm1.6	0.00018477	0.38035237	0.622	0.529	1	13
Tspo.6	0.00018717	-0.4589273	0.244	0.426	1	13
Eif3f.7	0.00020546	0.33002435	0.723	0.616	1	13
Puf60	0.00023676	0.44308262	0.261	0.148	1	13
Atf3.9	0.00025975	-0.7825298	0.378	0.509	1	13
Ptms.9	0.00029611	-0.5374312	0.134	0.29	1	13
Eif4a2.1	0.00029691	0.48291715	0.269	0.156	1	13
Selplg.8	0.00032991	-0.582142	0.16	0.308	1	13
Pou2f2.3	0.00033379	0.31796905	0.328	0.194	1	13
Ctsh.9	0.00036341	-0.4577247	0.218	0.388	1	13
Chd4	0.00038543	-0.493083	0.126	0.272	1	13
Arf6.4	0.00040106	0.44810157	0.361	0.244	1	13
Abracl.6	0.00040477	-0.3855521	0.109	0.263	1	13
Fam49b.5	0.00046392	0.43293224	0.42	0.298	1	13
Prdx5.8	0.00049974	-0.5723494	0.193	0.338	1	13
Cox8a.2	0.00052764	-0.2746662	0.563	0.691	1	13
Zfand5.8	0.00053474	-0.4498063	0.118	0.264	1	13
Hmgn1.2	0.00058949	0.4224265	0.345	0.227	1	13

Cebpb.12	0.0006555	-0.6601994	0.193	0.331	1	13
Aldoa.6	0.00067639	0.28862304	0.504	0.365	1	13
Rpl36a.7	0.00070567	0.25425266	0.824	0.76	1	13
Capg.8	0.00072335	0.38062081	0.387	0.256	1	13
Plp2.5	0.0007412	0.3633093	0.261	0.154	1	13
Mbnl1.3	0.00074521	-0.4424598	0.193	0.342	1	13
Atp5g2.2	0.00100803	0.35499677	0.597	0.505	1	13
Akr1a1.8	0.0010331	-0.3783364	0.202	0.355	1	13
Gm26917.2	0.00104441	0.67736052	0.487	0.4	1	13
Igkv1-117.2	0.0010848	-0.8293403	0.328	0.202	1	13
Ptp4a2.5	0.00110596	-0.4024889	0.16	0.3	1	13
Uvrag.1	0.0011292	0.45748212	0.269	0.171	1	13
Mdh1.2	0.00114406	0.35883509	0.319	0.212	1	13
Ppp1r15a.8	0.00116962	-0.4458008	0.218	0.359	1	13
Vamp8.8	0.00122921	-0.4195109	0.193	0.344	1	13
Jund.9	0.00125818	-0.411861	0.605	0.684	1	13
Eef1b2.5	0.00126456	0.25898089	0.748	0.669	1	13
AY036118.6	0.0012829	0.59560365	0.882	0.783	1	13
Uqcr10.2	0.0013517	-0.448618	0.143	0.274	1	13
1810037117Ril	0.0014612	-0.4185081	0.143	0.279	1	13
Ezr.5	0.00163943	0.37580883	0.345	0.235	1	13
Gabarap.6	0.00168062	-0.3872752	0.445	0.567	1	13
Erp29.8	0.00190682	0.38111802	0.471	0.365	1	13
Snx20.2	0.00192541	0.3934023	0.261	0.165	1	13
Fxyd5.12	0.0020099	-0.4751992	0.345	0.467	1	13
Gdi2.6	0.00203503	0.38572505	0.487	0.373	1	13
Rrbp1.9	0.00210954	-0.3590256	0.202	0.351	1	13
Txn1.6	0.00232497	-0.4578797	0.134	0.253	1	13
H2-DMa.1	2.50E-34	-0.6097602	0.185	0.449	4.12E-30	3
Xist.6	0.00236151	0.3418065	0.588	0.473	1	13
Tmsb10.10	0.00241756	-0.4862964	0.924	0.784	1	13
Reep5.3	0.00247645	-0.3087926	0.218	0.356	1	13
Clic4.10	0.00253181	-0.3549238	0.126	0.254	1	13
Cd53.1	0.00253664	-0.3459279	0.185	0.318	1	13
Ostf1.4	0.00271764	-0.3651396	0.185	0.316	1	13
Ywhae.1	0.00278092	-0.2859972	0.126	0.261	1	13
Prr13.5	0.00294526	0.30712242	0.37	0.265	1	13
Glud1.3	0.00299938	-0.3397455	0.143	0.27	1	13
Atp6v1f	0.00308372	-0.3024121	0.193	0.33	1	13
Fus	0.0030935	0.36605227	0.412	0.309	1	13
Gnb2.3	0.00368324	-0.2766175	0.269	0.43	1	13
Atp6v1g1.3	0.00406901	-0.2771724	0.16	0.294	1	13
Cd83.9	0.00413273	0.26921272	0.58	0.469	1	13

Bri3.10	0.00445194	-0.3922443	0.244	0.374	1	13
Cox6b1.1	0.00447696	-0.2796817	0.277	0.429	1	13
Sec61b.6	0.00461656	-0.3561251	0.353	0.484	1	13
Ddx39b	0.00472372	0.36577728	0.252	0.166	1	13
Pafah1b1	0.00476363	-0.3588499	0.143	0.261	1	13
Eif3e.5	0.00492629	0.32176431	0.361	0.264	1	13
Lamtor2	0.00494153	-0.3945502	0.151	0.266	1	13
Kmt2e.4	0.00518218	0.260956	0.378	0.269	1	13
Cltc.10	0.00521385	-0.3751899	0.21	0.333	1	13
Eef1g.4	0.00523337	0.33212277	0.462	0.374	1	13
Smim14.2	0.00541178	0.38921621	0.269	0.181	1	13
Rhog.2	0.00544935	-0.3392832	0.168	0.294	1	13
Socs3.11	0.00556116	-0.3968905	0.16	0.281	1	13
Psmb1.4	0.00614826	0.29719113	0.403	0.31	1	13
Uqcrq.4	0.00631019	-0.3239222	0.21	0.338	1	13
Pld4.8	0.0069009	-0.3464407	0.202	0.327	1	13
Pcbp2.1	0.00692795	0.29427278	0.538	0.449	1	13
Atp5j.2	0.00712063	-0.3421611	0.252	0.383	1	13
Arpc5.2	0.00722591	-0.4019953	0.277	0.38	1	13
Calm3.2	0.00735905	-0.3681769	0.143	0.252	1	13
Tln1.3	0.00753319	-0.3441623	0.311	0.429	1	13
Hnrnpa1.4	0.00785221	0.45308636	0.37	0.301	1	13
Scaf11	0.0080473	0.55051598	0.261	0.182	1	13
Ywhah.5	0.00805156	-0.4071909	0.16	0.265	1	13
Srsf11.1	0.00833226	0.32541278	0.261	0.178	1	13
Calm2.9	0.00840629	-0.3509932	0.261	0.389	1	13
2010107E04Ri	0.00844341	-0.3516526	0.193	0.304	1	13
Cnbp.8	0.00897652	0.33041706	0.504	0.428	1	13
2410015M20F	0.00938792	0.29417959	0.286	0.198	1	13
Canx.5	0.00949786	-0.2618564	0.168	0.289	1	13
Ndufb10	0.0099682	-0.3691191	0.168	0.275	1	13
Prg2	0	1.47694767	0.291	0	0	14
Derl3	0	1.32668791	0.418	0.002	0	14
Jchain	1.21E-307	5.03610494	0.891	0.052	1.99E-303	14
Eaf2	1.37E-242	0.85862964	0.291	0.004	2.26E-238	14
Iglc1.1	1.27E-216	2.15606412	0.645	0.035	2.09E-212	14
Slpi	4.27E-203	2.25441002	0.418	0.014	7.02E-199	14
Txndc5	2.74E-183	2.12399887	0.809	0.072	4.51E-179	14
Mzb1.2	3.92E-177	2.55693581	0.918	0.101	6.45E-173	14
Plpp5	2.39E-150	0.90627314	0.318	0.011	3.92E-146	14
Iglv1	4.83E-150	4.52550782	0.618	0.047	7.94E-146	14
Creld2	1.51E-144	1.66268686	0.7	0.065	2.48E-140	14
Cacna1s	9.87E-143	0.93184499	0.345	0.014	1.62E-138	14

Trp53inp1	6.65E-142	1.47674207	0.527	0.036	1.09E-137	14
Igkc.3	3.80E-140	4.04601585	0.936	0.163	6.25E-136	14
Iglc2.3	9.01E-140	2.15050544	0.9	0.12	1.48E-135	14
Fam46c	4.13E-119	1.25492575	0.527	0.043	6.79E-115	14
Fam214a	1.48E-116	1.1456887	0.464	0.033	2.43E-112	14
Ckap4	5.87E-109	1.18162186	0.482	0.039	9.66E-105	14
Pdia4.2	3.35E-100	1.81247758	0.827	0.138	5.51E-96	14
Edem2	2.15E-92	1.13129325	0.527	0.054	3.54E-88	14
Xbp1.1	4.58E-91	1.72939622	0.845	0.163	7.54E-87	14
Ighm.11	3.29E-87	4.01906117	0.991	0.406	5.41E-83	14
Pou2af1	4.71E-75	0.89732361	0.418	0.041	7.74E-71	14
Edem1	2.65E-74	1.23982119	0.6	0.088	4.36E-70	14
Txndc11	1.02E-69	0.89482275	0.418	0.045	1.68E-65	14
Sdc1	2.04E-64	0.72305056	0.291	0.024	3.35E-60	14
AC133103.1.1	1.16E-63	0.68401899	0.382	0.039	1.90E-59	14
Isg20	2.44E-61	0.71264984	0.327	0.031	4.02E-57	14
Iglc3.3	1.76E-59	1.13392676	0.627	0.109	2.89E-55	14
Phgdh	4.06E-57	0.8269571	0.364	0.041	6.68E-53	14
Tmsb4x.9	5.09E-53	-1.5349092	0.836	0.995	8.38E-49	14
Spcs2.2	2.50E-51	1.10328551	0.764	0.194	4.11E-47	14
Herpud1.2	9.36E-50	1.23045412	0.718	0.179	1.54E-45	14
Sec11c.3	2.39E-47	1.34970404	0.791	0.255	3.93E-43	14
Hsp90b1.4	1.92E-46	1.74162395	0.927	0.469	3.16E-42	14
Hyou1	3.48E-46	0.75811779	0.382	0.054	5.73E-42	14
Manf	1.11E-44	1.3477835	0.7	0.197	1.83E-40	14
Ly6a.5	1.78E-44	1.0274462	0.691	0.168	2.92E-40	14
Actb.8	7.59E-42	-1.002322	0.955	0.994	1.25E-37	14
Fkbp2.3	1.69E-41	0.8218847	0.7	0.172	2.78E-37	14
Lman1	2.02E-41	0.69496698	0.409	0.066	3.32E-37	14
Sdf2l1.3	1.42E-40	1.0916994	0.627	0.157	2.33E-36	14
Rgcc.2	9.93E-40	0.7299136	0.418	0.071	1.63E-35	14
Tmem154	1.96E-37	0.568464	0.282	0.036	3.22E-33	14
Fth1.11	5.16E-36	-1.3288395	0.882	0.959	8.48E-32	14
Fau.4	1.12E-35	-0.8453199	0.945	0.992	1.84E-31	14
Spcs1	5.39E-35	1.00515716	0.709	0.226	8.87E-31	14
Prdx4	1.69E-33	0.75548376	0.382	0.071	2.79E-29	14
H13.4	1.73E-33	0.94800164	0.636	0.176	2.85E-29	14
Rps9.4	2.78E-32	-0.881282	0.882	0.964	4.56E-28	14
Tpt1.2	2.96E-32	-0.7510211	0.945	0.983	4.87E-28	14
Hdlbp	4.39E-32	0.71868559	0.527	0.127	7.22E-28	14
Serp1.7	6.28E-30	0.88947237	0.845	0.369	1.03E-25	14
Rexo2.2	1.65E-29	0.86711631	0.582	0.166	2.72E-25	14
Ssr4.4	1.90E-29	1.16911131	0.782	0.364	3.13E-25	14

Ctla4.2	3.11E-29	0.72505663	0.318	0.056	5.12E-25	14
Ergic1	4.93E-29	0.56664964	0.3	0.051	8.11E-25	14
Selenos	7.80E-29	0.80193127	0.527	0.14	1.28E-24	14
Spcs3	8.59E-29	0.5778281	0.391	0.08	1.41E-24	14
Junb.10	1.15E-28	-1.4015368	0.527	0.847	1.89E-24	14
Sel1l	1.53E-28	0.74812199	0.373	0.077	2.52E-24	14
Rps29.3	2.73E-27	-0.9749642	0.736	0.896	4.49E-23	14
Rplp1.3	4.27E-27	-0.7519356	0.9	0.974	7.03E-23	14
Actg1.8	1.82E-26	-1.0805402	0.655	0.905	2.99E-22	14
Rpl37a.2	5.26E-26	-0.8359055	0.855	0.941	8.66E-22	14
Trabd	2.55E-25	0.53534654	0.291	0.054	4.20E-21	14
Rps11.7	1.45E-24	-0.7159637	0.9	0.967	2.38E-20	14
Pfn1.5	1.88E-24	-1.0260406	0.755	0.861	3.10E-20	14
Pafah1b3.1	9.28E-24	0.71755495	0.336	0.074	1.53E-19	14
mt-Co1.3	1.11E-23	-0.574043	0.955	0.989	1.82E-19	14
Rps16.5	1.79E-23	-0.7037147	0.918	0.975	2.94E-19	14
Tyropb.12	1.95E-23	-2.0968751	0.145	0.614	3.20E-19	14
Krtcap2.3	2.12E-23	0.83322265	0.709	0.29	3.49E-19	14
Rpn1	4.28E-23	0.76251177	0.518	0.156	7.03E-19	14
Trp53i11	4.52E-23	0.3895878	0.264	0.048	7.44E-19	14
Ddost	1.25E-22	0.68133987	0.6	0.201	2.05E-18	14
Sec61a1	1.49E-22	0.54618273	0.418	0.106	2.45E-18	14
Rps12.4	1.77E-22	-0.743748	0.827	0.939	2.91E-18	14
Tmem248	4.00E-22	0.45399002	0.336	0.075	6.59E-18	14
Ift20	6.01E-22	0.54485604	0.391	0.097	9.89E-18	14
Rpl30.6	9.28E-22	-0.7022304	0.891	0.954	1.53E-17	14
Rpl23.3	9.38E-22	-0.6092365	0.955	0.975	1.54E-17	14
Sh3bgrl3.8	6.35E-21	-1.1132195	0.5	0.751	1.04E-16	14
Fcer1g.11	1.84E-20	-1.9404254	0.155	0.583	3.03E-16	14
Rps23.3	2.11E-20	-0.7524035	0.827	0.897	3.46E-16	14
Gpx1.13	4.58E-20	-1.5638088	0.482	0.715	7.53E-16	14
Pdia6.1	5.94E-20	0.87148483	0.564	0.199	9.78E-16	14
Rpl27a.7	9.57E-20	-0.7824032	0.782	0.89	1.57E-15	14
Cfl1.3	1.83E-19	-0.9477822	0.673	0.79	3.01E-15	14
H2-Aa.3	2.16E-37	-0.662391	0.666	0.75	3.56E-33	3
Rps5.7	2.41E-18	-0.6321996	0.927	0.963	3.97E-14	14
Rps27.10	3.17E-18	-0.7909237	0.782	0.904	5.22E-14	14
Lyz2.13	4.39E-18	-2.4846734	0.164	0.56	7.22E-14	14
Dnajb11	4.67E-18	0.70877097	0.373	0.108	7.68E-14	14
Rpl39.8	7.94E-18	-0.7324631	0.845	0.89	1.31E-13	14
Rps19.8	8.51E-18	-0.7019741	0.9	0.934	1.40E-13	14
Dusp1.9	1.01E-17	-1.7395662	0.273	0.61	1.66E-13	14
Rpl13.7	1.71E-17	-0.5752095	0.982	0.981	2.81E-13	14

Ube2j1	1.72E-17	0.46285684	0.318	0.081	2.84E-13	14
Tmed2.1	2.08E-17	0.54907084	0.645	0.253	3.42E-13	14
Crip1.12	3.30E-17	-1.4032741	0.464	0.724	5.43E-13	14
Rps4x.7	3.46E-17	-0.5385549	0.927	0.964	5.69E-13	14
Rps15a.9	4.29E-17	-0.6602175	0.909	0.951	7.06E-13	14
Rpl32.7	4.69E-17	-0.6081928	0.909	0.95	7.71E-13	14
Rps21.5	5.86E-17	-0.7006093	0.855	0.883	9.64E-13	14
Igkv12-44	8.08E-17	5.64520048	0.309	0.092	1.33E-12	14
Mrpl57.1	1.05E-16	0.48167141	0.418	0.128	1.73E-12	14
Ppia.6	1.24E-16	-0.6274381	0.827	0.889	2.03E-12	14
Spint2	1.41E-16	0.44768104	0.309	0.08	2.32E-12	14
Dnajc3.1	1.51E-16	0.64366057	0.591	0.231	2.49E-12	14
Eef1a1.9	1.82E-16	-0.5306842	0.964	0.98	2.99E-12	14
Clptm1l	2.14E-16	0.4652908	0.336	0.093	3.52E-12	14
Rps13.7	2.35E-16	-0.7624302	0.664	0.834	3.86E-12	14
Slamf7.2	3.04E-16	0.51902952	0.4	0.124	5.01E-12	14
Kdelr1	3.15E-16	0.50225347	0.382	0.113	5.19E-12	14
Ifitm3.12	4.05E-16	-1.9000194	0.109	0.496	6.66E-12	14
Rpl7.5	5.31E-16	-0.7100514	0.745	0.843	8.74E-12	14
Chchd10	5.36E-16	0.36148462	0.273	0.066	8.81E-12	14
Slc39a7	7.89E-16	0.35336842	0.264	0.063	1.30E-11	14
Btg2.8	1.16E-15	-1.1581425	0.445	0.674	1.90E-11	14
mt-Co3.5	1.44E-15	-0.4742647	0.964	0.975	2.37E-11	14
Fcrla.1	2.08E-15	0.31611944	0.282	0.071	3.41E-11	14
H2-Ab1.2	7.62E-37	-0.6806172	0.562	0.723	1.25E-32	3
Rpl34.6	2.25E-15	-0.5347833	0.927	0.947	3.70E-11	14
Cnpy2	2.26E-15	0.36782257	0.327	0.09	3.72E-11	14
Slc35b1	3.29E-15	0.4073724	0.273	0.069	5.41E-11	14
Preb	3.54E-15	0.45748762	0.3	0.08	5.83E-11	14
Rps14.3	3.87E-15	-0.5476211	0.909	0.93	6.37E-11	14
Tram1	3.98E-15	0.46713536	0.4	0.128	6.55E-11	14
Tmed10.5	4.16E-15	0.64069611	0.627	0.28	6.85E-11	14
Erp44	4.64E-15	0.39607982	0.327	0.093	7.64E-11	14
Rps3a1.7	5.05E-15	-0.5004497	0.936	0.964	8.31E-11	14
Vim.11	8.40E-15	-1.3289242	0.336	0.626	1.38E-10	14
Rpl36.8	9.22E-15	-0.6085108	0.809	0.901	1.52E-10	14
Rps10.5	9.30E-15	-0.5277048	0.955	0.957	1.53E-10	14
Rpl11.6	1.02E-14	-0.5479343	0.873	0.927	1.67E-10	14
Rpl18a.7	1.66E-14	-0.5430734	0.945	0.962	2.72E-10	14
Rps7.7	2.40E-14	-0.5952485	0.891	0.942	3.95E-10	14
Rpl19.8	2.42E-14	-0.5411473	0.964	0.955	3.97E-10	14
H2-K1.11	3.94E-06	-0.6957032	0.852	0.843	0.0647722	17
mt-Nd2.6	3.48E-14	-0.7631401	0.655	0.8	5.73E-10	14

Derl1	4.48E-14	0.43641539	0.373	0.119	7.37E-10	14
Myl6.6	4.68E-14	-1.0029027	0.445	0.656	7.70E-10	14
Ptpn18.5	5.90E-14	-1.0025864	0.345	0.618	9.71E-10	14
Rps18.8	6.97E-14	-0.6156572	0.855	0.87	1.15E-09	14
Psap.11	7.77E-14	-1.2974571	0.545	0.678	1.28E-09	14
Ccl6.13	1.15E-13	-1.9754734	0.073	0.417	1.90E-09	14
Uba52.7	1.62E-13	-0.4695026	0.955	0.975	2.67E-09	14
Rpl37.5	1.82E-13	-0.5105617	0.909	0.929	2.99E-09	14
Laptm5.5	1.92E-13	-0.9488093	0.436	0.658	3.16E-09	14
Alox5ap.13	2.15E-13	-1.602974	0.064	0.402	3.54E-09	14
Arpc1b.10	3.03E-13	-1.0345866	0.409	0.626	4.98E-09	14
mt-Atp8.10	3.04E-13	-0.529144	0.918	0.929	5.00E-09	14
mt-Co2.1	3.05E-13	-0.3978945	0.973	0.972	5.02E-09	14
Nfkbiz.11	3.39E-13	-1.7889651	0.127	0.445	5.57E-09	14
Mtdh	4.09E-13	0.68007258	0.691	0.347	6.73E-09	14
Irf4	4.47E-13	0.56478495	0.282	0.082	7.36E-09	14
Srpr	4.93E-13	0.48212203	0.4	0.142	8.10E-09	14
H3f3a.9	5.05E-13	-0.8458175	0.655	0.739	8.30E-09	14
Rplp2.5	5.35E-13	-0.5087043	0.9	0.92	8.80E-09	14
Surf4	7.05E-13	0.46629774	0.364	0.123	1.16E-08	14
Arpc2.9	7.81E-13	-0.8926426	0.491	0.669	1.29E-08	14
Rpl3.8	9.84E-13	-0.6649016	0.764	0.839	1.62E-08	14
Rps27a.5	1.03E-12	-0.4859869	0.936	0.936	1.69E-08	14
Slc3a2.1	1.47E-12	0.57906255	0.518	0.212	2.41E-08	14
Ly6d.12	1.85E-12	0.63367437	0.636	0.303	3.04E-08	14
Rpl15.4	1.86E-12	-0.6146814	0.782	0.849	3.06E-08	14
P4hb.1	2.26E-12	0.48454565	0.555	0.232	3.72E-08	14
Lman2	2.40E-12	0.33070906	0.436	0.155	3.95E-08	14
Cst3.11	2.43E-12	-1.7483672	0.655	0.686	3.99E-08	14
Rpl22.6	2.69E-12	-0.6232949	0.745	0.828	4.43E-08	14
Rps28.4	4.07E-12	-0.658945	0.727	0.799	6.69E-08	14
Ssr2	5.03E-12	0.50356519	0.318	0.104	8.27E-08	14
Cmah	5.12E-12	0.3501294	0.264	0.075	8.42E-08	14
Rps2.7	5.70E-12	-0.4219061	0.945	0.944	9.38E-08	14
Rpl27.6	6.84E-12	-0.5795676	0.791	0.83	1.13E-07	14
Marcksl1.11	7.02E-12	-1.7833927	0.145	0.439	1.15E-07	14
Csf1r.13	7.73E-12	-1.7919884	0.027	0.337	1.27E-07	14
Kdelr2	7.87E-12	0.42453136	0.255	0.074	1.29E-07	14
Rps3.8	8.02E-12	-0.5231649	0.873	0.914	1.32E-07	14
Ifitm2.12	8.80E-12	-1.5632436	0.091	0.395	1.45E-07	14
Coro1a.6	8.86E-12	-1.0120887	0.491	0.639	1.46E-07	14
Rpsa.8	1.27E-11	-0.5723864	0.945	0.935	2.09E-07	14
Rap1a.4	1.43E-11	0.40077353	0.609	0.27	2.34E-07	14

Ier2.11	1.49E-11	-1.1504978	0.3	0.559	2.45E-07	14
Rps6.8	1.52E-11	-0.685818	0.7	0.772	2.51E-07	14
Tspan13.3	1.55E-11	0.37514547	0.427	0.161	2.54E-07	14
Gm10076.4	1.86E-11	-0.4109264	0.945	0.953	3.06E-07	14
1110008P14R	1.99E-11	0.30672389	0.318	0.103	3.27E-07	14
Rpl35.5	2.04E-11	-0.4439342	0.909	0.925	3.36E-07	14
Sars	2.66E-11	0.36060124	0.264	0.08	4.38E-07	14
Rps26.9	2.90E-11	-0.4794209	0.918	0.935	4.77E-07	14
Cd24a.4	3.00E-11	0.32094507	0.373	0.133	4.93E-07	14
Nr4a1.8	3.05E-11	-1.1553655	0.209	0.51	5.01E-07	14
Rpl9-ps6.9	3.43E-11	-0.5243509	0.936	0.906	5.65E-07	14
Ubxn4	3.66E-11	0.46557231	0.409	0.157	6.01E-07	14
Gnai2.9	3.99E-11	-0.9750571	0.264	0.532	6.56E-07	14
Rpl26.5	4.68E-11	-0.4463012	0.864	0.899	7.71E-07	14
Mgat1	4.74E-11	0.36782136	0.264	0.08	7.80E-07	14
Tmsb10.11	4.94E-11	-0.9632398	0.818	0.785	8.13E-07	14
Rpl36a.8	5.68E-11	-0.6900257	0.673	0.762	9.34E-07	14
Clta.10	9.81E-11	-1.0808427	0.364	0.551	1.61E-06	14
Tmbim4	1.02E-10	0.29523864	0.4	0.148	1.67E-06	14
Rps8.5	1.08E-10	-0.3156039	0.991	0.983	1.78E-06	14
Igkv1-117.3	1.10E-10	4.37178765	0.427	0.201	1.82E-06	14
Morf4l2	1.12E-10	0.31510919	0.3	0.099	1.84E-06	14
Rpl6.6	1.16E-10	-0.4854774	0.873	0.897	1.90E-06	14
Rpl12.10	1.24E-10	-0.7223219	0.709	0.762	2.04E-06	14
Rpl28.6	1.33E-10	-0.4487246	0.864	0.914	2.19E-06	14
Tmed9	1.34E-10	0.33698116	0.491	0.203	2.20E-06	14
Odc1.4	1.37E-10	0.30613705	0.464	0.187	2.25E-06	14
Marcks.11	1.45E-10	-1.2920385	0.045	0.336	2.38E-06	14
Cope.1	1.48E-10	0.45603376	0.445	0.189	2.44E-06	14
C1qa.13	1.91E-10	-2.3583529	0.055	0.334	3.15E-06	14
Hspa5.2	1.99E-10	0.79355822	0.755	0.459	3.28E-06	14
Ero1lb.1	2.33E-10	0.38003073	0.255	0.081	3.83E-06	14
Ftl1.12	2.49E-10	-1.0087736	0.918	0.89	4.09E-06	14
Ssr3	3.23E-10	0.35220679	0.327	0.117	5.31E-06	14
Txnl1	3.35E-10	0.34624095	0.3	0.102	5.50E-06	14
St6gal1	6.12E-10	0.40561683	0.255	0.081	1.01E-05	14
Zfp36.9	6.26E-10	-1.243784	0.5	0.613	1.03E-05	14
F13a1.12	8.09E-10	-1.7263407	0.018	0.283	1.33E-05	14
Ctsh.10	1.19E-09	-1.1172995	0.127	0.389	1.96E-05	14
Btg1.8	1.55E-09	-0.9613049	0.373	0.576	2.55E-05	14
mt-Nd1.3	1.91E-09	-0.4614019	0.864	0.869	3.14E-05	14
Gorasp2	1.94E-09	0.2807345	0.255	0.083	3.19E-05	14
Rpl10a.6	2.06E-09	-0.4751937	0.855	0.864	3.39E-05	14

Igkv3-2	2.79E-09	4.99888644	0.273	0.105	4.59E-05	14
Hist1h1c.1	3.01E-09	0.44031172	0.264	0.09	4.95E-05	14
Apoe.12	5.74E-09	-2.2605261	0.264	0.474	9.43E-05	14
Sec61b.7	5.81E-09	0.61042327	0.764	0.478	9.55E-05	14
Uchl3.2	5.98E-09	0.32427734	0.255	0.087	9.83E-05	14
Vcp	6.52E-09	0.34614522	0.545	0.257	0.00010729	14
Pltp.13	7.69E-09	-1.4643231	0.091	0.34	0.00012649	14
Rpl38.2	7.86E-09	-0.541969	0.764	0.795	0.00012931	14
Rpn2	8.07E-09	0.39357357	0.391	0.162	0.00013281	14
Sec61g.3	8.92E-09	0.39563245	0.664	0.341	0.00014678	14
Stk17b.7	9.02E-09	-1.0955013	0.209	0.44	0.0001484	14
Lcp1.4	9.95E-09	-0.8749442	0.336	0.537	0.00016374	14
Pf4.14	1.10E-08	-2.3839375	0.073	0.31	0.00018132	14
Rps20.8	1.10E-08	-0.3552513	0.973	0.972	0.00018143	14
Wfdc17.11	1.38E-08	-1.3456958	0.082	0.333	0.00022618	14
Klf4.10	1.67E-08	-1.5422046	0.145	0.378	0.00027442	14
Rpl35a.4	1.74E-08	-0.6096531	0.682	0.712	0.00028657	14
Cd14.13	1.96E-08	-1.4143596	0.027	0.264	0.00032244	14
Ccl2.13	1.98E-08	-1.9377931	0.045	0.284	0.00032502	14
C1qb.13	2.05E-08	-2.0587807	0.127	0.356	0.00033692	14
Tpm3.3	2.05E-08	-0.8882655	0.309	0.497	0.0003371	14
Mdh1.3	2.44E-08	0.35678562	0.455	0.21	0.00040124	14
C1qc.13	2.44E-08	-2.1074198	0.109	0.337	0.00040204	14
mt-Atp6.2	2.98E-08	-0.5166482	0.745	0.797	0.00049033	14
Tagln2.10	3.13E-08	-0.9875197	0.3	0.492	0.0005147	14
S100a6.11	3.90E-08	-0.710783	0.755	0.752	0.0006423	14
Arf4	4.11E-08	0.32530583	0.482	0.219	0.00067566	14
Ptma.4	4.16E-08	-0.5461544	0.745	0.784	0.00068379	14
Nucb1	4.24E-08	0.32083802	0.327	0.132	0.00069757	14
Cox4i1.1	4.72E-08	-0.5365255	0.627	0.7	0.00077663	14
Serf2.9	4.88E-08	-0.495048	0.764	0.762	0.00080306	14
Zeb2.12	5.54E-08	-1.1261108	0.073	0.299	0.00091082	14
Calr.2	7.13E-08	0.51681456	0.591	0.332	0.00117288	14
Srp9.1	7.97E-08	0.29954634	0.591	0.3	0.00131132	14
Ddx5.5	8.08E-08	-0.6315658	0.664	0.703	0.00132861	14
Cox8a.3	8.28E-08	-0.5848713	0.627	0.69	0.0013616	14
mt-Nd4.6	8.67E-08	-0.6160101	0.609	0.704	0.00142575	14
Ctsc.11	9.24E-08	-1.3314758	0.236	0.417	0.00151968	14
Mrc1.13	9.39E-08	-1.4955076	0.091	0.309	0.00154532	14
H2-K1.5	4.23E-37	-0.7213667	0.687	0.851	6.95E-33	8
H2-Q7.4	2.74E-13	-0.7277447	0.117	0.263	4.51E-09	5
Rpl13a.10	1.22E-07	-0.5259427	0.873	0.812	0.00200749	14
Dnajc7.2	1.23E-07	0.35615766	0.345	0.149	0.00203036	14

H2afz.13	1.24E-07	-0.8276719	0.464	0.59	0.0020446	14
mt-Nd4l.7	1.31E-07	-0.3790181	0.9	0.901	0.00216284	14
Lgals3.13	1.52E-07	-1.155481	0.136	0.353	0.0025028	14
H3f3b.5	1.55E-07	-0.4896226	0.909	0.901	0.00254339	14
Rps15.3	1.86E-07	-0.5623144	0.636	0.674	0.00306434	14
Atf3.10	2.00E-07	-1.2269769	0.355	0.509	0.00328544	14
Ifngr1.9	2.39E-07	-1.0548815	0.182	0.385	0.00393204	14
Actr3.4	2.51E-07	-0.7438892	0.382	0.527	0.00413588	14
H2-DMa.10	5.93E-05	-0.7385786	0.238	0.428	0.97566259	16
Tmem258.1	2.97E-07	0.37179639	0.482	0.25	0.0048841	14
H1f0	3.06E-07	0.38631718	0.255	0.1	0.0050269	14
Cd74.10	3.47E-07	-0.7307519	0.982	0.825	0.00570468	14
Clic1.5	3.60E-07	-0.7760611	0.345	0.506	0.00591872	14
Fcgrt.12	3.70E-07	-1.22475	0.055	0.26	0.00608845	14
Oaz1.4	3.76E-07	-0.4305805	0.8	0.775	0.00619039	14
Ly86.8	4.95E-07	-0.9522692	0.118	0.321	0.00814357	14
Cdc42.3	5.00E-07	-0.7112994	0.445	0.539	0.00821712	14
Ahnak.9	5.12E-07	-0.8452028	0.4	0.549	0.00842669	14
Arpc3.3	5.28E-07	-0.7176632	0.355	0.528	0.00868687	14
Arhgdib.7	5.51E-07	-0.7214077	0.5	0.597	0.00905961	14
Ier3.10	6.15E-07	-1.3940424	0.127	0.328	0.01011643	14
Cotl1.6	6.73E-07	-0.8883073	0.164	0.365	0.01106926	14
Klf2.11	6.74E-07	-0.9536401	0.473	0.596	0.01108965	14
Selenop.13	7.67E-07	-1.9274727	0.255	0.418	0.01261397	14
Rpl21.7	7.71E-07	-0.5443518	0.609	0.678	0.0126775	14
Kdm6b.10	8.44E-07	-0.994801	0.118	0.315	0.01389087	14
Naca.6	9.11E-07	-0.5715764	0.591	0.659	0.01498545	14
Cxcl2.12	9.50E-07	-1.9453862	0.055	0.253	0.01562097	14
Capzb.5	9.54E-07	-0.7705794	0.309	0.476	0.01568999	14
Rpl18.6	9.76E-07	-0.346253	0.955	0.923	0.01604921	14
Mafb.12	1.01E-06	-1.5559433	0.073	0.266	0.01655058	14
Bri3.11	1.03E-06	-0.8987321	0.182	0.374	0.01687451	14
Hspa8.3	1.10E-06	-0.5268687	0.691	0.726	0.01812296	14
Cfp.12	1.28E-06	-1.0619548	0.118	0.314	0.02102172	14
Gm42418.3	1.47E-06	-0.3308924	0.991	1	0.02415013	14
Hsp90ab1.2	1.57E-06	-0.4281865	0.791	0.806	0.02575652	14
Cyba.5	1.67E-06	-0.5374239	0.727	0.717	0.02748947	14
Spi1.10	2.13E-06	-0.9174424	0.118	0.308	0.03498083	14
Rpl23a.3	2.15E-06	-0.5639159	0.582	0.638	0.03541766	14
Cd68.10	2.28E-06	-1.0460545	0.091	0.275	0.03755496	14
Rps25.1	2.38E-06	-0.489253	0.609	0.672	0.03916835	14
Rpl10-ps3.4	2.48E-06	-0.2825151	0.891	0.893	0.04085978	14
Rack1.5	2.63E-06	-0.4396938	0.791	0.768	0.04329212	14

Rpl36al.3	2.77E-06	0.32181852	0.836	0.608	0.04556126	14
Ostc	3.04E-06	0.36276309	0.364	0.177	0.04995292	14
Pld4.9	3.74E-06	-0.8647772	0.145	0.328	0.06146209	14
Ifi27l2a.12	3.82E-06	-1.228571	0.236	0.405	0.06284735	14
Nrros.12	4.74E-06	-0.8477786	0.1	0.287	0.07791331	14
Sat1.10	4.96E-06	-0.9251863	0.164	0.342	0.08152032	14
Fam49b.6	5.24E-06	-0.8645662	0.127	0.302	0.08624749	14
Rpl8.8	5.84E-06	-0.3572205	0.955	0.916	0.09604974	14
Npm1.7	6.59E-06	-0.6634902	0.4	0.532	0.10846069	14
Rps24.8	7.35E-06	-0.2513094	0.973	0.988	0.12096345	14
Capza2.6	8.04E-06	-0.7965135	0.082	0.26	0.13221043	14
Atp2b1.8	8.74E-06	-0.9259828	0.191	0.349	0.14374294	14
Atp5g1.2	8.78E-06	0.35250047	0.409	0.218	0.1444942	14
Rpl24.4	8.93E-06	-0.3390768	0.855	0.851	0.14683276	14
Fus.1	8.96E-06	-0.8625033	0.145	0.313	0.14735672	14
App.9	9.60E-06	-0.8973894	0.1	0.276	0.15786767	14
Arpc5.3	9.84E-06	-0.8484606	0.236	0.381	0.16189533	14
Rac1.5	9.89E-06	-0.7469495	0.291	0.436	0.16271401	14
Mcl1.11	1.05E-05	-0.8866715	0.291	0.429	0.17213197	14
Anxa2.13	1.08E-05	-0.9922443	0.109	0.277	0.17815974	14
Flna.10	1.10E-05	-0.8790461	0.127	0.301	0.18041979	14
Rpl14.10	1.17E-05	-0.3906078	0.827	0.786	0.19324577	14
Zfp36l2.5	1.21E-05	-0.8782669	0.218	0.382	0.19897186	14
Ppib.1	1.21E-05	0.33856514	0.655	0.408	0.19943623	14
Socs3.12	1.45E-05	-1.0133328	0.118	0.281	0.23836922	14
Anxa5.9	1.54E-05	-0.8522487	0.182	0.345	0.25296043	14
Kctd12.11	1.58E-05	-0.9402785	0.218	0.373	0.26070029	14
Sem1.7	1.75E-05	-0.6927188	0.5	0.55	0.28779391	14
Myh9.7	1.77E-05	-0.6761262	0.373	0.504	0.29120711	14
Rpl9.3	1.85E-05	-0.5186231	0.573	0.63	0.30448143	14
Vamp8.9	1.93E-05	-0.7810339	0.182	0.344	0.31702614	14
Eno1.6	2.08E-05	-0.7308323	0.264	0.414	0.34146859	14
Efhd2.11	2.49E-05	-0.825514	0.136	0.298	0.40977046	14
Atox1.13	2.80E-05	-0.8543627	0.364	0.457	0.46081911	14
Ptprc.5	3.10E-05	-0.7732459	0.309	0.442	0.50977223	14
Lamp1.12	3.46E-05	-0.8296937	0.282	0.416	0.5696019	14
Slc25a3.1	3.67E-05	-0.6036316	0.409	0.495	0.60429262	14
Rrbp1.10	3.81E-05	0.3425327	0.591	0.345	0.62654328	14
Eif1.1	3.82E-05	-0.2939617	0.918	0.872	0.62792519	14
Cebpb.13	4.89E-05	-0.9612636	0.182	0.331	0.80462337	14
Pfdn5.2	6.65E-05	-0.539312	0.582	0.605	1	14
Sdcbp.8	7.74E-05	-0.8333953	0.136	0.277	1	14
Hexa.10	8.21E-05	-0.9327569	0.155	0.294	1	14

Sqstm1.5	8.81E-05	0.41637716	0.627	0.378	1	14
Tln1.4	9.35E-05	-0.6564268	0.309	0.429	1	14
Rpl5.6	9.73E-05	-0.4257037	0.745	0.716	1	14
Emp3.8	0.00010753	-0.7870006	0.345	0.435	1	14
Fos.9	0.00010949	-0.8069843	0.545	0.622	1	14
Mt1.13	0.000119	-1.0312381	0.282	0.418	1	14
Rpl10.3	0.00012036	-0.459947	0.673	0.677	1	14
Ctsb.13	0.00012371	-1.1453479	0.4	0.477	1	14
Rpl29.6	0.00013488	-0.2700841	0.882	0.857	1	14
Pde4b.9	0.00013577	-0.7754818	0.309	0.419	1	14
Atp5e.6	0.00015024	-0.4895097	0.582	0.623	1	14
Hnrnpa2b1.3	0.00015097	-0.5503781	0.5	0.554	1	14
Npc2.10	0.00015419	-0.7251551	0.482	0.513	1	14
Gadd45b.11	0.00015908	-0.9356789	0.118	0.253	1	14
mt-Nd5.7	0.00017013	-0.4828869	0.682	0.659	1	14
Rbms1.7	0.00017855	-0.8075291	0.127	0.259	1	14
Brk1	0.0001944	-0.708516	0.127	0.264	1	14
Ost4	0.00021421	0.25653949	0.573	0.35	1	14
Iqgap1.4	0.00024283	-0.5396701	0.309	0.443	1	14
Egr1.11	0.00024437	-1.2938887	0.4	0.459	1	14
Ctsa.11	0.00025362	-0.8488129	0.164	0.286	1	14
Rap1b.8	0.00026421	-0.6689353	0.309	0.416	1	14
Litaf.5	0.00027688	-0.7668182	0.136	0.265	1	14
Uqcrh.2	0.00028594	-0.5345646	0.536	0.562	1	14
Lgmn.13	0.00032038	-0.9713444	0.155	0.281	1	14
Grn.10	0.00034122	-0.9746632	0.282	0.378	1	14
Pabpc1.4	0.00035168	-0.425021	0.618	0.634	1	14
Cnn2.5	0.00038558	-0.720201	0.227	0.349	1	14
Ucp2.7	0.00041433	-0.5423942	0.6	0.598	1	14
Ccnl1.10	0.0004215	-0.7586025	0.191	0.308	1	14
Dbi.9	0.00044001	-0.6759492	0.164	0.294	1	14
Chd4.1	0.00045457	-0.6324929	0.136	0.271	1	14
Arf5.7	0.00045935	-0.6804418	0.336	0.413	1	14
Hsp90aa1.1	0.00047687	-0.7372995	0.236	0.344	1	14
Gltp.9	0.00047888	-0.6912012	0.136	0.26	1	14
Fyb.9	0.00048665	-0.7666195	0.127	0.252	1	14
Glud1.4	0.00054355	-0.5720094	0.136	0.27	1	14
Gmfg.1	0.00055156	-0.747562	0.245	0.344	1	14
Ndufa6.3	0.00057243	-0.6266156	0.318	0.41	1	14
Lsp1.11	0.00060768	-0.8618566	0.318	0.397	1	14
Rhog.3	0.00061303	-0.7398904	0.182	0.293	1	14
Plek.7	0.0006378	-0.7655293	0.245	0.348	1	14
Sub1.8	0.00066463	0.32994545	0.636	0.461	1	14

Itgb2.9	0.00066776	-0.770765	0.155	0.269	1	14
Ctsd.12	0.00071915	-0.8034047	0.173	0.292	1	14
Rpl22l1.6	0.0007283	-0.5878429	0.355	0.444	1	14
Snx3.6	0.00073259	-0.693174	0.255	0.352	1	14
Msn.5	0.00073491	-0.6250758	0.345	0.436	1	14
Pnrc1.6	0.00080017	-0.5740889	0.473	0.517	1	14
Jund.10	0.00081615	-0.601936	0.673	0.683	1	14
Prdx5.9	0.00081618	-0.7106734	0.227	0.337	1	14
Tgfb1.4	0.00082011	-0.6818706	0.218	0.33	1	14
Fxyd5.13	0.00084901	-0.6690379	0.409	0.466	1	14
Srgn.5	0.00088049	-0.4631416	0.718	0.672	1	14
Chchd2	0.00093193	-0.4311882	0.636	0.625	1	14
Cltc.11	0.00093551	-0.7818018	0.236	0.333	1	14
Rpl41.2	0.0009463	-0.3282926	0.782	0.745	1	14
Rpl4.7	0.00096506	-0.4370456	0.673	0.644	1	14
Rel.10	0.00098313	-0.78715	0.173	0.282	1	14
Tmem176b.10	0.00105777	-0.8141099	0.382	0.44	1	14
Tspo.7	0.0010611	-0.6645612	0.364	0.424	1	14
Malat1.7	0.00106203	0.28246411	0.927	0.936	1	14
Rgs10.10	0.00106881	-0.7827504	0.173	0.277	1	14
Gm8186.3	0.00116298	-0.6626895	0.145	0.259	1	14
Pdia3.2	0.00119952	0.27258181	0.545	0.367	1	14
Eif3e.6	0.00122577	-0.6487198	0.155	0.267	1	14
Tnfaip3.9	0.00129147	-0.7718187	0.227	0.33	1	14
Cd83.10	0.00144774	-0.7874864	0.455	0.471	1	14
Rpl7a.3	0.00155322	-0.2974897	0.764	0.762	1	14
Atpif1.13	0.00168209	-0.5548904	0.209	0.316	1	14
Cox7a2l.1	0.00174217	-0.6123697	0.273	0.364	1	14
Limd2.7	0.00177735	-0.654526	0.264	0.357	1	14
Mbnl1.4	0.00182727	-0.5475437	0.245	0.341	1	14
Zyx.11	0.00183331	-0.7222706	0.164	0.264	1	14
Ubc.11	0.0019663	-0.4563975	0.5	0.541	1	14
Dazap2.2	0.00198468	-0.6513102	0.227	0.322	1	14
Ybx1.3	0.00201163	-0.4951307	0.555	0.555	1	14
Cstb.8	0.00213053	-0.7138078	0.155	0.259	1	14
Itm2b.11	0.00216761	-0.5429963	0.836	0.787	1	14
S100a10.12	0.00220722	-0.6473197	0.409	0.461	1	14
Anp32a.2	0.00239134	-0.6405749	0.2	0.299	1	14
Cox6c.4	0.0026636	-0.4743508	0.364	0.449	1	14
Rbm39.6	0.00266979	-0.4539928	0.509	0.532	1	14
Atp5l.2	0.00274995	-0.4892177	0.491	0.516	1	14
Tom7.1	0.00276888	-0.6017514	0.236	0.326	1	14
Ptms.10	0.00279072	-0.5986391	0.182	0.289	1	14

Eif3f.8	0.0034372	-0.3732937	0.636	0.618	1	14
Sri.3	0.00355741	-0.6045559	0.155	0.254	1	14
Calm2.10	0.0037995	-0.6277242	0.327	0.388	1	14
Akr1a1.9	0.00407818	-0.5709984	0.273	0.354	1	14
Lgals1.11	0.00413061	-0.7547655	0.345	0.404	1	14
Snx5.11	0.00416777	-0.6085912	0.236	0.318	1	14
Xist.7	0.00428934	-0.4918615	0.409	0.476	1	14
Eef1b2.6	0.00434046	-0.3689234	0.7	0.669	1	14
Rpl31.2	0.0044998	-0.4788756	0.473	0.497	1	14
Wasf2.1	0.00454202	-0.510618	0.191	0.294	1	14
Cox7c.2	0.00461574	-0.5587284	0.418	0.445	1	14
Gpi1.1	0.00481949	-0.6079009	0.236	0.314	1	14
Zfp36l1.10	0.00504578	-0.4856996	0.509	0.528	1	14
Atp6v1g1.4	0.00509657	-0.5111511	0.2	0.293	1	14
Jak1.5	0.00567132	-0.6097836	0.236	0.321	1	14
Tpr	0.00601742	-0.5189611	0.273	0.353	1	14
Grcc10.2	0.00624084	-0.588561	0.364	0.401	1	14
Arpc4.4	0.00705995	-0.6204725	0.291	0.343	1	14
Tuba1b.6	0.00711026	-0.6679636	0.245	0.321	1	14
Morf4l1	0.00715012	-0.5373048	0.355	0.399	1	14
Calm1.5	0.00718417	-0.3221127	0.745	0.716	1	14
Napsa.12	0.00722439	-0.7270933	0.182	0.265	1	14
Rnaset2a.5	0.00761628	-0.6080059	0.2	0.28	1	14
Gng5.8	0.00789374	-0.3533718	0.636	0.596	1	14
Psme1.6	0.00821042	-0.5571334	0.355	0.405	1	14
Neat1.12	0.00821806	-0.6787705	0.255	0.328	1	14
Ehd4.11	0.0083873	-0.7078629	0.191	0.268	1	14
Arhgap45.6	0.00843716	-0.5950263	0.236	0.316	1	14
Hmgb2.5	0.00936195	-0.7090052	0.173	0.251	1	14
Arhgdia.1	0.00941171	-0.5048042	0.336	0.392	1	14
AY036118.7	0.00946683	0.42176443	0.827	0.783	1	14
Hspe1.3	0.00966881	-0.5433235	0.218	0.298	1	14
Akap13.2	0.00977484	-0.4755091	0.236	0.324	1	14
Atp5h.4	0.00981457	-0.5073573	0.527	0.497	1	14
Tnfrsf4	0	2.39059918	0.732	0.014	0	15
Izumo1r	0	1.89835208	0.526	0.012	0	15
Sostdc1	1.16E-221	2.064122	0.278	0.004	1.92E-217	15
Tnfsf8	7.92E-134	1.65432414	0.412	0.021	1.30E-129	15
Ikzf2	3.31E-126	1.6055411	0.454	0.027	5.44E-122	15
Cd3e.2	4.77E-114	1.88732004	0.825	0.107	7.84E-110	15
Ctla4.3	1.64E-113	1.94827768	0.588	0.054	2.70E-109	15
Tox	1.91E-112	1.374792	0.423	0.026	3.14E-108	15
Tigit	2.75E-112	1.63328612	0.485	0.035	4.52E-108	15

Lag3	2.35E-94	1.41188982	0.33	0.019	3.86E-90	15
Cd3g.2	9.49E-91	1.72132941	0.763	0.114	1.56E-86	15
Cd4	1.11E-88	1.34645903	0.402	0.03	1.83E-84	15
Cd5	2.31E-85	1.30273873	0.392	0.03	3.81E-81	15
Cd3d.2	4.94E-78	1.55315584	0.691	0.103	8.12E-74	15
Lck.2	4.42E-70	1.33117405	0.67	0.105	7.26E-66	15
Cd247.1	9.83E-70	1.46077286	0.454	0.049	1.62E-65	15
Icos.2	8.10E-62	1.34857422	0.423	0.048	1.33E-57	15
Tnfrsf18.1	1.17E-54	1.42278232	0.464	0.065	1.92E-50	15
Cd82.3	1.52E-48	1.56157095	0.619	0.134	2.51E-44	15
Pdcd1	6.92E-48	1.27591271	0.258	0.023	1.14E-43	15
Zap70	5.67E-43	1.07008681	0.33	0.041	9.33E-39	15
Trbc2.3	8.97E-43	1.29657786	0.433	0.071	1.48E-38	15
Cst7.1	1.14E-42	1.13590182	0.351	0.047	1.87E-38	15
Cd27.1	1.06E-39	1.35599822	0.33	0.046	1.74E-35	15
Smco4	3.39E-39	1.11571726	0.289	0.036	5.57E-35	15
Trac	2.25E-38	1.04764085	0.268	0.031	3.70E-34	15
Cd2.3	3.73E-37	1.28641094	0.526	0.116	6.13E-33	15
Lat.2	7.40E-34	1.15753413	0.474	0.101	1.22E-29	15
Eea1	6.24E-32	1.20371773	0.423	0.087	1.03E-27	15
Gimap3.6	1.77E-30	1.09315465	0.588	0.158	2.91E-26	15
Ltb.7	1.88E-30	1.03852397	0.66	0.201	3.09E-26	15
Il2rb.1	9.16E-30	0.86223189	0.443	0.093	1.51E-25	15
Slamf6	1.68E-29	1.15714042	0.278	0.042	2.77E-25	15
Tcf7	3.01E-29	0.86308354	0.268	0.039	4.95E-25	15
Socs1	9.37E-29	1.04321418	0.33	0.059	1.54E-24	15
Cxcr3	5.69E-28	1.08672467	0.268	0.042	9.35E-24	15
Il21r.1	6.43E-27	1.04135059	0.443	0.107	1.06E-22	15
Ubald2.2	8.32E-26	1.18354569	0.608	0.21	1.37E-21	15
Ly6a.6	1.01E-25	1.17692098	0.567	0.17	1.66E-21	15
AW112010.10	6.29E-25	0.8736908	0.701	0.255	1.03E-20	15
Tyrobp.13	1.30E-23	-2.3872847	0.072	0.614	2.14E-19	15
Prkch.1	2.35E-23	1.15731522	0.34	0.075	3.87E-19	15
Skap1.4	3.37E-23	1.07395025	0.392	0.096	5.55E-19	15
Areg.2	5.09E-23	1.28691692	0.33	0.071	8.38E-19	15
Hif1a	5.76E-23	1.22309607	0.464	0.139	9.48E-19	15
Fcer1g.12	6.53E-23	-2.4470713	0.041	0.584	1.07E-18	15
Inpp4b.1	2.20E-22	0.93124539	0.268	0.05	3.62E-18	15
Prkca	2.26E-22	0.98921792	0.32	0.069	3.72E-18	15
Shisa5.10	2.40E-22	0.95984712	0.825	0.447	3.94E-18	15
H2-Q7.6	5.14E-10	-0.7505002	0.129	0.261	8.45E-06	8
Bcl11b.1	4.69E-22	0.87222781	0.258	0.046	7.72E-18	15
Fyn	6.06E-22	0.89780051	0.32	0.07	9.97E-18	15

Ms4a4b.2	6.19E-22	0.95546614	0.423	0.109	1.02E-17	15
Cst3.12	1.04E-21	-2.4698234	0.289	0.69	1.72E-17	15
Gimap6.5	1.73E-21	0.93310027	0.557	0.187	2.85E-17	15
Ets1.5	1.86E-21	0.94722887	0.546	0.18	3.05E-17	15
Ndfip1.4	3.32E-21	1.05171931	0.66	0.293	5.46E-17	15
Cd28.1	3.51E-21	1.0330825	0.309	0.067	5.78E-17	15
Ptprcap.13	2.21E-20	0.91104352	0.649	0.26	3.64E-16	15
Gimap4.5	1.13E-19	0.84483985	0.485	0.152	1.86E-15	15
H2-K1.6	5.69E-33	-0.7755284	0.792	0.845	9.36E-29	9
Psap.12	2.83E-19	-1.6564354	0.278	0.681	4.66E-15	15
Lyz2.14	3.57E-19	-2.8679648	0.093	0.56	5.88E-15	15
H2-Q7.7	6.62E-07	-0.7762449	0.154	0.259	0.01088853	9
Thy1.4	8.58E-19	0.81600815	0.423	0.121	1.41E-14	15
Stat1.2	9.68E-19	1.10862327	0.485	0.167	1.59E-14	15
H2-Q7.12	0.00872581	-0.8137663	0.111	0.256	1	17
Cd74.11	8.34E-18	-1.2516154	0.608	0.83	1.37E-13	15
H2-Eb1.2	2.13E-53	-0.8644812	0.528	0.726	3.50E-49	3
Bhlhe40.4	2.14E-17	1.14132501	0.485	0.18	3.51E-13	15
Gapdh.6	2.81E-17	0.73361718	0.907	0.711	4.62E-13	15
Ftl1.13	5.75E-17	-1.2993177	0.763	0.892	9.46E-13	15
Zfp36.10	1.30E-16	-1.6421696	0.216	0.616	2.15E-12	15
Rac2.12	3.49E-16	0.7528461	0.794	0.477	5.75E-12	15
Ifitm3.13	3.89E-16	-2.0344881	0.062	0.496	6.40E-12	15
Gpx1.14	4.31E-16	-1.3852386	0.464	0.715	7.09E-12	15
Lcp2	1.73E-15	0.80573064	0.392	0.127	2.84E-11	15
Limd2.8	1.83E-15	0.7819564	0.68	0.352	3.01E-11	15
Fos.10	8.74E-15	-1.789825	0.289	0.625	1.44E-10	15
Tspan13.4	1.24E-14	0.8569334	0.433	0.161	2.04E-10	15
Ccl6.14	1.37E-14	-2.0776322	0.01	0.418	2.25E-10	15
Malt1.1	1.50E-14	0.91025686	0.381	0.128	2.46E-10	15
Odc1.5	1.65E-14	1.07311734	0.464	0.187	2.72E-10	15
Rinl.2	1.81E-14	0.78730859	0.299	0.083	2.97E-10	15
Il7r.3	3.80E-14	0.5802794	0.289	0.076	6.26E-10	15
Sla	4.34E-14	0.87492587	0.371	0.126	7.13E-10	15
Alox5ap.14	6.18E-14	-1.7047588	0.01	0.402	1.02E-09	15
Batf	6.29E-14	0.99428956	0.258	0.068	1.03E-09	15
Rhoh	7.12E-14	0.6712194	0.289	0.079	1.17E-09	15
Itpkb	8.19E-14	0.90122752	0.351	0.114	1.35E-09	15
Pnrc1.7	1.01E-13	0.75076829	0.804	0.513	1.66E-09	15
H2-DMa.9	4.12E-07	-0.8748066	0.186	0.429	0.00677298	15
Sdf4.1	2.41E-13	0.98970545	0.474	0.21	3.97E-09	15
Gm8369.1	4.39E-13	0.73022089	0.258	0.068	7.23E-09	15
Apoe.13	8.39E-13	-2.9606164	0.134	0.475	1.38E-08	15

Srgn.6	1.93E-12	0.73517151	0.866	0.67	3.17E-08	15
Fosb.10	2.92E-12	-1.3733547	0.144	0.506	4.80E-08	15
Gna13	3.68E-12	0.78931738	0.402	0.156	6.05E-08	15
Rabgap1l	3.97E-12	0.70168125	0.278	0.083	6.54E-08	15
Tmem176b.11	4.29E-12	-1.4174841	0.082	0.443	7.06E-08	15
Crip1.13	5.19E-12	-1.1901428	0.495	0.723	8.53E-08	15
Ubb.3	5.79E-12	0.4135644	0.979	0.873	9.53E-08	15
Ctsh.11	1.41E-11	-1.3193807	0.052	0.39	2.32E-07	15
Mt1.14	1.59E-11	-2.183854	0.093	0.42	2.61E-07	15
Unc93b1.6	1.59E-11	-1.2267659	0.134	0.467	2.62E-07	15
Tgif1.1	2.07E-11	0.82652233	0.351	0.132	3.40E-07	15
Pltp.14	2.24E-11	-1.8368902	0.01	0.341	3.68E-07	15
Nfatc1.2	2.62E-11	0.71471423	0.351	0.128	4.30E-07	15
Csf1r.14	2.69E-11	-1.845167	0.01	0.337	4.42E-07	15
Malat1.8	3.00E-11	0.4707457	0.979	0.936	4.93E-07	15
Fth1.12	3.24E-11	-0.6942379	0.928	0.958	5.33E-07	15
Pglyrp1.2	4.64E-11	0.69062937	0.258	0.077	7.63E-07	15
Egr1.12	5.11E-11	-1.7054125	0.134	0.462	8.40E-07	15
Il2rg.10	7.67E-11	0.79167301	0.536	0.281	1.26E-06	15
Myh9.8	9.47E-11	0.58024867	0.773	0.499	1.56E-06	15
Ptpn11	9.50E-11	0.90525633	0.309	0.111	1.56E-06	15
Ptpn22	1.11E-10	0.73800832	0.268	0.085	1.82E-06	15
Ier3.11	1.42E-10	-1.8810977	0.021	0.329	2.34E-06	15
Mcl1.12	1.82E-10	-1.2230838	0.113	0.431	2.99E-06	15
Cdkn1b	1.99E-10	0.69937338	0.33	0.121	3.27E-06	15
Grn.11	2.48E-10	-1.4655757	0.072	0.38	4.09E-06	15
Wfdc17.12	2.85E-10	-1.7225172	0.031	0.333	4.69E-06	15
Marcks.12	3.20E-10	-1.3734471	0.031	0.336	5.27E-06	15
S100a11.9	3.54E-10	0.73140606	0.649	0.395	5.82E-06	15
Chd3.2	4.34E-10	0.64201677	0.33	0.123	7.14E-06	15
Ctsc.12	4.91E-10	-1.4393679	0.124	0.419	8.08E-06	15
Peli1	1.09E-09	0.6682173	0.34	0.134	1.79E-05	15
Mrc1.14	1.13E-09	-1.711843	0.021	0.309	1.86E-05	15
C1qc.14	1.19E-09	-2.4685136	0.052	0.337	1.95E-05	15
Atf3.11	1.19E-09	-1.3832369	0.227	0.51	1.97E-05	15
Pld4.10	1.30E-09	-1.2177487	0.041	0.329	2.14E-05	15
Cirbp.1	1.44E-09	0.6849962	0.392	0.166	2.37E-05	15
Vps37b.9	1.74E-09	0.63019413	0.505	0.241	2.85E-05	15
C1qa.14	1.79E-09	-2.3399581	0.052	0.333	2.95E-05	15
Smc4.1	2.05E-09	0.84314183	0.278	0.101	3.37E-05	15
Rgs1	2.19E-09	0.71672168	0.309	0.115	3.61E-05	15
Pf4.15	2.29E-09	-2.4902771	0.031	0.31	3.76E-05	15
Fyb.10	2.30E-09	0.78386578	0.495	0.247	3.79E-05	15

Plek.8	2.59E-09	-1.1127836	0.052	0.35	4.26E-05	15
Kctd12.12	2.70E-09	-1.2025647	0.082	0.374	4.45E-05	15
Ifitm2.13	2.81E-09	-1.3095017	0.103	0.394	4.63E-05	15
Cfp.13	2.94E-09	-1.3168866	0.031	0.315	4.84E-05	15
Junb.11	3.02E-09	0.46863086	0.928	0.842	4.97E-05	15
Spi1.11	3.36E-09	-1.1860989	0.031	0.309	5.52E-05	15
Ddx39b.1	3.47E-09	0.62528271	0.381	0.165	5.71E-05	15
Klf4.11	3.58E-09	-1.5768874	0.093	0.379	5.89E-05	15
H2-DMb1.14	1.54E-05	-0.9672355	0.119	0.33	0.25373077	16
Akap13.3	7.18E-09	0.56916947	0.567	0.32	0.00011817	15
Smpdl3a.2	7.54E-09	0.75313457	0.361	0.158	0.00012404	15
Eef1a1.10	7.60E-09	0.25864038	1	0.98	0.00012502	15
Nrros.13	8.78E-09	-1.1492498	0.021	0.288	0.00014441	15
Tmem176a.10	9.39E-09	-1.2493921	0.062	0.337	0.0001544	15
Fcgrt.13	9.48E-09	-1.4014213	0	0.26	0.00015586	15
Mafb.13	1.62E-08	-1.7512722	0.01	0.267	0.00026728	15
Marcks1.12	1.67E-08	-1.3115927	0.165	0.438	0.00027503	15
C1qb.14	1.75E-08	-2.2734318	0.103	0.356	0.00028736	15
Sept1.5	1.76E-08	0.58925103	0.381	0.165	0.00028981	15
Itga4.3	2.01E-08	0.64584841	0.433	0.21	0.00033077	15
Fcgr2b.8	2.06E-08	-1.0937816	0.021	0.282	0.0003391	15
Cd68.11	2.44E-08	-1.1936975	0.021	0.275	0.00040115	15
Nrip1.1	2.89E-08	0.82197344	0.278	0.108	0.00047456	15
Pfn1.6	3.33E-08	0.33857242	0.948	0.858	0.00054771	15
F13a1.13	3.34E-08	-1.6268942	0.031	0.283	0.00055011	15
Coro1a.7	3.39E-08	0.42116292	0.835	0.634	0.00055838	15
Gstm1.12	3.71E-08	0.44423848	0.876	0.643	0.00061002	15
Lgmn.14	3.78E-08	-1.3399418	0.031	0.282	0.00062156	15
Nfatc3	6.41E-08	0.64474522	0.258	0.095	0.00105376	15
App.10	6.94E-08	-1.1128363	0.031	0.277	0.0011422	15
Btg1.9	7.08E-08	0.48360219	0.825	0.57	0.0011642	15
Per1	7.09E-08	0.69344569	0.278	0.113	0.00116593	15
Kmt2a	7.26E-08	0.60782237	0.289	0.115	0.00119478	15
Ccl2.14	7.96E-08	-2.0226185	0.041	0.284	0.00130989	15
Emb.4	1.05E-07	0.53093312	0.423	0.201	0.0017192	15
H2-DMb1.13	1.15E-07	-1.0002195	0.072	0.331	0.00189031	15
Lgals3.14	1.19E-07	-1.1661824	0.103	0.353	0.00196005	15
Zeb2.13	1.59E-07	-1.0371188	0.052	0.299	0.00261044	15
Cd14.14	1.88E-07	-1.3929558	0.031	0.263	0.00309595	15
Ptprc.6	2.52E-07	0.52631496	0.639	0.438	0.00414971	15
Orai1	3.25E-07	0.69869398	0.33	0.16	0.00534892	15
Itgal.3	3.34E-07	0.54394061	0.278	0.116	0.00549016	15
Hexa.11	3.55E-07	-1.0654541	0.062	0.294	0.00584358	15

H2-Q7	4.41E-76	-1.014703	0.078	0.299	7.26E-72	0
Arhgap45.7	4.17E-07	0.48514366	0.526	0.312	0.00686716	15
Npc2.11	4.63E-07	-0.7013844	0.247	0.516	0.00761401	15
H2afz.14	4.70E-07	0.55056061	0.773	0.586	0.00773112	15
Nfkbiz.12	4.86E-07	-0.9943701	0.206	0.444	0.00799327	15
Pkm.6	4.94E-07	0.55370498	0.515	0.306	0.00812379	15
Jun.13	6.89E-07	-1.4095977	0.247	0.465	0.01133324	15
Erp29.9	7.35E-07	-0.7815719	0.124	0.37	0.01209755	15
Stk17b.8	7.51E-07	0.53128287	0.649	0.434	0.01234819	15
Eprs	7.89E-07	0.67266647	0.289	0.127	0.01297455	15
Gsta4.4	7.94E-07	0.5368001	0.423	0.223	0.01306758	15
Tmsb10.12	8.46E-07	0.29311557	0.959	0.784	0.01392203	15
Cd69.3	1.09E-06	0.47935054	0.258	0.103	0.017938	15
Cxcl2.13	1.23E-06	-2.006134	0.041	0.253	0.02016936	15
Ehd4.12	1.46E-06	-0.9332319	0.052	0.27	0.02401627	15
B2m.9	1.49E-06	0.33843935	0.907	0.806	0.02449562	15
Selenop.14	1.50E-06	-1.8485689	0.227	0.418	0.02467163	15
Cdk2ap2.7	1.67E-06	0.4979052	0.464	0.263	0.02746274	15
Tnfaip3.10	1.68E-06	0.62354637	0.515	0.326	0.02766507	15
Fxyd5.14	2.63E-06	0.4785769	0.67	0.462	0.0432046	15
Eef2.5	2.72E-06	0.31303715	0.856	0.73	0.04466159	15
Ncor1.2	2.88E-06	0.52968165	0.371	0.196	0.04738753	15
H2-DMa.8	1.10E-07	-1.0365682	0.236	0.429	0.00181391	14
Ankrd12	3.56E-06	0.62560263	0.258	0.114	0.05850671	15
Itgb7.5	4.46E-06	0.48524181	0.361	0.185	0.07339731	15
Tnfrsf1b.1	4.55E-06	0.56921471	0.258	0.113	0.07485023	15
Clic4.11	4.62E-06	-0.9131856	0.052	0.254	0.07596548	15
Rpsa.9	4.81E-06	0.25179393	1	0.934	0.07904221	15
Itgb1.2	5.18E-06	0.7575039	0.402	0.242	0.0852498	15
Ly86.9	5.45E-06	-0.7889259	0.103	0.321	0.08960568	15
Ctss.11	5.45E-06	-0.7123473	0.289	0.504	0.08969403	15
H2-DMa.13	0.00210077	-1.0515716	0.172	0.427	1	19
Gm2a.13	5.86E-06	-0.9109748	0.082	0.289	0.09640788	15
Phf20l1	5.91E-06	0.5684087	0.268	0.12	0.09726509	15
Ghitm	6.26E-06	0.4720497	0.299	0.143	0.1029466	15
Sept9.5	7.36E-06	0.73281753	0.309	0.157	0.12110556	15
Ypel3.6	1.11E-05	0.47664486	0.485	0.303	0.18308821	15
Csnk1a1	1.13E-05	0.57203208	0.381	0.221	0.18636402	15
Tnfaip8.2	1.34E-05	0.567754	0.34	0.183	0.22028079	15
Cybb.10	1.34E-05	-0.8291744	0.134	0.332	0.22115651	15
Atp6v0b.10	1.56E-05	-0.7652543	0.165	0.362	0.25639561	15
Prkar1a.3	1.59E-05	0.53973749	0.392	0.229	0.26160742	15
Cnn2.6	1.78E-05	0.37193972	0.546	0.345	0.2927498	15

Fam107b.3	1.80E-05	0.63788433	0.33	0.179	0.29628646	15
Xist.8	1.92E-05	0.43628796	0.66	0.472	0.31638176	15
B4galnt1.2	1.95E-05	0.45595602	0.309	0.154	0.32123436	15
Rbm39.7	2.35E-05	0.48899185	0.691	0.529	0.38655837	15
mt-Atp8.11	2.50E-05	0.25796021	1	0.928	0.41042047	15
Lcp1.5	3.01E-05	0.37344862	0.711	0.532	0.49504209	15
Rbm3.6	3.41E-05	0.37028562	0.722	0.551	0.56108515	15
Rpl10.4	4.33E-05	-0.4660268	0.515	0.679	0.71149168	15
Lrp10	5.05E-05	0.48792845	0.278	0.14	0.83089771	15
Csnk2b.2	5.70E-05	0.40867672	0.34	0.186	0.93784158	15
Hcst.4	5.73E-05	0.4534289	0.351	0.193	0.942113	15
Man2b1.10	6.25E-05	-0.6890613	0.124	0.301	1	15
Tnrc6b	6.67E-05	0.4165232	0.258	0.123	1	15
Tsn	6.93E-05	0.4930785	0.289	0.15	1	15
Aldoa.7	8.26E-05	0.49468791	0.515	0.365	1	15
Ppia.7	8.30E-05	0.27412019	0.897	0.888	1	15
Cltc.12	8.54E-05	-0.6046519	0.144	0.334	1	15
Neat1.13	8.82E-05	-0.8063235	0.144	0.329	1	15
Atox1.14	9.13E-05	-0.6285593	0.289	0.458	1	15
Litaf.6	9.21E-05	-0.5916518	0.082	0.266	1	15
Vim.12	9.34E-05	-0.6060749	0.474	0.624	1	15
Saraf.3	9.36E-05	0.50921515	0.309	0.172	1	15
Myl12b.7	9.40E-05	0.36498649	0.67	0.505	1	15
Serbp1.6	9.48E-05	0.3766666	0.557	0.383	1	15
Camk2d.2	0.00010108	0.42990445	0.258	0.127	1	15
Tmsb4x.10	0.00010134	-0.2866795	1	0.993	1	15
Clta.11	0.00010868	-0.544256	0.371	0.551	1	15
Rapgef6.1	0.00011261	0.36882758	0.33	0.178	1	15
Eif3f.9	0.00012491	0.35852622	0.742	0.616	1	15
Pim1.7	0.00012749	-0.5798062	0.268	0.452	1	15
Bri3.12	0.00012899	-0.6671376	0.196	0.374	1	15
Lrrfip1.1	0.00013147	0.59519612	0.289	0.158	1	15
Ddx24	0.00013777	0.38907093	0.361	0.205	1	15
Arl6ip1.5	0.00015708	0.42879402	0.495	0.338	1	15
Mdh1.4	0.00015905	0.56477046	0.351	0.211	1	15
Ppp1r12a.3	0.00016215	0.43359947	0.351	0.206	1	15
Ythdc1.1	0.0001735	0.5085774	0.32	0.185	1	15
Psma2.2	0.00018137	0.42296151	0.371	0.226	1	15
Rps29.4	0.00019056	-0.3095234	0.794	0.895	1	15
Dad1.4	0.00019086	0.46252768	0.474	0.324	1	15
Sf3b2.1	0.00019983	0.46143161	0.423	0.277	1	15
Bcl2a1b.3	0.00020006	0.55204024	0.34	0.197	1	15
Capg.9	0.00020437	0.43682847	0.402	0.256	1	15

Tecr	0.00022452	0.42809428	0.299	0.165	1	15
Zyx.12	0.00023541	-0.6229814	0.103	0.265	1	15
Apbb1ip.2	0.00024095	0.40912356	0.34	0.201	1	15
Atp5c1.4	0.00030052	0.34000682	0.495	0.341	1	15
Ube2b	0.00031934	0.46034646	0.361	0.214	1	15
Son	0.00032045	0.36182849	0.495	0.351	1	15
Klf2.12	0.00032677	-0.5396525	0.454	0.596	1	15
Cd83.11	0.00039111	-0.6354739	0.309	0.473	1	15
Prdx2.1	0.00040554	0.45103294	0.361	0.223	1	15
Arf4.1	0.0004251	0.50081044	0.361	0.221	1	15
Sri.4	0.00043174	0.43109922	0.392	0.251	1	15
Ctsa.12	0.00043754	-0.5487581	0.124	0.286	1	15
Traf1.2	0.00050184	0.58822473	0.258	0.143	1	15
Arid4a	0.00052021	0.4062772	0.258	0.141	1	15
Lamp1.13	0.00060597	-0.6309749	0.268	0.416	1	15
Psmb8.6	0.00065232	0.40935614	0.619	0.478	1	15
Snx5.12	0.00066782	-0.5786155	0.165	0.319	1	15
Grcc10.3	0.0006737	0.40305032	0.526	0.399	1	15
Arhgdib.8	0.0006803	0.34838076	0.711	0.594	1	15
S100a10.13	0.00068702	0.30368038	0.639	0.458	1	15
Cct8	0.00074689	0.42685064	0.278	0.16	1	15
Ldha.7	0.000757	0.4237625	0.485	0.337	1	15
Sptbn1.1	0.00080035	0.43363501	0.278	0.16	1	15
Rrbp1.11	0.00090153	-0.4447675	0.175	0.351	1	15
Srpr.1	0.00094337	0.43300246	0.258	0.144	1	15
Serinc3.11	0.00098942	-0.5945108	0.206	0.359	1	15
Bcl2a1d.3	0.00101459	0.34958184	0.278	0.158	1	15
Serf2.10	0.00111711	-0.305398	0.722	0.762	1	15
Ube2i.3	0.00116862	0.53903681	0.351	0.233	1	15
Napsa.13	0.00116908	-0.6191649	0.124	0.266	1	15
Jak1.6	0.00117504	0.34544877	0.454	0.318	1	15
Psme1.7	0.00152845	0.37924882	0.536	0.403	1	15
Ube2d3	0.00154989	0.40375562	0.505	0.381	1	15
mt-Nd6	0.00156273	0.34723907	0.309	0.187	1	15
7-Sep	0.00157031	0.33781819	0.309	0.188	1	15
Atrx.1	0.0016415	0.37069551	0.289	0.173	1	15
Prrc2c.3	0.0016756	0.28411564	0.423	0.275	1	15
Arf1.1	0.00171721	0.37992255	0.454	0.329	1	15
Msn.6	0.00173384	0.26589444	0.577	0.433	1	15
Cnbp.9	0.00173547	0.3072094	0.546	0.428	1	15
Tob2	0.00176735	0.31867685	0.299	0.178	1	15
Anxa5.10	0.00176933	-0.5289422	0.206	0.344	1	15
Cd37.10	0.00178067	0.2673979	0.485	0.328	1	15

Vcp.1	0.00188184	0.29944427	0.392	0.259	1	15
Sem1.8	0.00191705	-0.3747498	0.392	0.551	1	15
Sec11c.4	0.00204382	-0.5082765	0.134	0.264	1	15
Hsp90b1.5	0.00212886	-0.4358776	0.33	0.477	1	15
Cd52.10	0.00217953	0.25074433	0.835	0.733	1	15
Rpl35a.5	0.00219145	-0.3124497	0.577	0.713	1	15
Puf60.1	0.00219606	0.37120377	0.258	0.149	1	15
Rnf187.1	0.00231535	0.3200944	0.309	0.191	1	15
Tmbim4.1	0.00233218	0.35649047	0.258	0.151	1	15
Akr1a1.10	0.00234248	-0.4298516	0.206	0.354	1	15
Atp6v1g1.5	0.00245868	-0.4458083	0.155	0.294	1	15
Psemb1.5	0.00250673	0.40661735	0.423	0.31	1	15
Anxa2.14	0.00252424	-0.4373368	0.134	0.277	1	15
Igkv1-117.4	0.00262299	-0.6103017	0.33	0.202	1	15
Psme2.6	0.00289367	0.41089962	0.443	0.333	1	15
H2afy.8	0.00296712	-0.5108272	0.124	0.254	1	15
Gm8797	0.00300179	0.33438845	0.32	0.208	1	15
Ier2.12	0.00341882	-0.5059114	0.433	0.557	1	15
Rnaset2a.6	0.00348711	0.40442171	0.392	0.277	1	15
Eno1.7	0.00359425	0.27980293	0.546	0.411	1	15
Gpr132.5	0.00360341	0.33536646	0.34	0.223	1	15
Rnaset2b.1	0.00361888	0.47965531	0.32	0.218	1	15
Zfand5.9	0.00369977	-0.4584859	0.134	0.263	1	15
Sdcbp.9	0.00370154	-0.3338052	0.134	0.277	1	15
Gm42418.4	0.00370988	-0.3136073	1	1	1	15
Eif3c.1	0.00419051	0.33318307	0.371	0.257	1	15
Prdx5.10	0.00429101	-0.5200533	0.206	0.337	1	15
Ost4.1	0.00438922	-0.322424	0.206	0.355	1	15
Kmt2e.5	0.00442656	0.28340182	0.392	0.269	1	15
Hmgb1.6	0.00443755	0.32735409	0.536	0.418	1	15
Ier5.10	0.00446853	-0.4506849	0.237	0.373	1	15
Btg2.9	0.00469183	-0.3234188	0.557	0.672	1	15
Mtdh.1	0.00494639	-0.3444773	0.216	0.354	1	15
Tmem50a.4	0.00498703	0.27113034	0.464	0.344	1	15
Ctsb.14	0.0054513	-0.8766167	0.412	0.477	1	15
Mycbp2.1	0.00550152	0.3774263	0.351	0.243	1	15
Atp5b.4	0.00575361	0.37449428	0.474	0.358	1	15
Tpm4.4	0.00587924	0.50983098	0.34	0.243	1	15
Ddx5.6	0.00588903	0.26742136	0.732	0.702	1	15
Ezr.6	0.00595634	0.32305201	0.351	0.235	1	15
Stk4.1	0.0062071	0.33948628	0.258	0.161	1	15
Ctsz.8	0.00627381	-0.4149956	0.227	0.354	1	15
Skp1a	0.00648134	0.35101376	0.268	0.168	1	15

Ptms.11	0.00675857	0.28202098	0.412	0.286	1	15
Tomm20.2	0.00703554	0.3516221	0.361	0.252	1	15
Trir.2	0.00709119	0.36300634	0.33	0.224	1	15
Gstp1.6	0.00709553	0.41055014	0.402	0.296	1	15
Eif4a2.2	0.0073082	0.25343545	0.258	0.156	1	15
Hnrnpk	0.00742222	0.35902909	0.454	0.363	1	15
Eif3i.3	0.00748917	0.31880418	0.381	0.265	1	15
Itm2b.12	0.0075624	-0.4899306	0.773	0.788	1	15
Mif.7	0.00835124	0.3804603	0.351	0.247	1	15
Lbh.1	0.00837469	0.43936711	0.268	0.175	1	15
Foxp1.9	0.00857703	-0.3647269	0.144	0.268	1	15
G3bp1	0.00861834	0.3464095	0.268	0.171	1	15
Psma3.1	0.00875576	0.26312359	0.351	0.244	1	15
Rpl22l1.7	0.00888718	0.34794849	0.526	0.441	1	15
Elob.3	0.0094537	0.26478602	0.546	0.435	1	15
Cyba.6	0.00970841	-0.2876845	0.608	0.719	1	15
Pde4b.10	0.00981003	-0.3624515	0.299	0.419	1	15
Fscn1	0	3.37265045	0.893	0.015	0	16
Apol7c	0	2.57938295	0.571	0.004	0	16
Cacnb3	0	1.80919506	0.583	0.001	0	16
Nudt17	0	1.57213956	0.452	0.001	0	16
H2-Q7.2	1.96E-43	-1.0535669	0.032	0.276	3.22E-39	3
Mreg	2.16E-275	1.11254478	0.381	0.005	3.55E-271	16
Socs2	1.16E-271	1.70378127	0.548	0.014	1.90E-267	16
Il4i1	5.57E-260	2.18420239	0.69	0.026	9.16E-256	16
Ccl22	7.28E-235	2.90659086	0.5	0.014	1.20E-230	16
Il12b	7.54E-212	1.74315124	0.298	0.004	1.24E-207	16
Strip2	1.06E-207	0.93865817	0.321	0.006	1.74E-203	16
Ankrd33b	6.00E-151	1.26773421	0.405	0.015	9.86E-147	16
Aldh1a2	6.68E-144	1.54147063	0.44	0.019	1.10E-139	16
Zmynd15	2.97E-143	1.27900814	0.298	0.008	4.88E-139	16
Tbc1d4	1.46E-127	1.69537741	0.595	0.042	2.40E-123	16
Fabp5	1.52E-123	2.62412822	0.702	0.065	2.50E-119	16
Rogdi	1.86E-111	1.65047615	0.667	0.062	3.06E-107	16
Anxa3	5.39E-108	1.71640948	0.655	0.061	8.86E-104	16
Tmem123.1	1.94E-98	2.28540505	0.893	0.149	3.20E-94	16
Plxnc1	7.88E-94	1.17538933	0.452	0.032	1.30E-89	16
Basp1.1	4.55E-92	1.68130103	0.667	0.075	7.49E-88	16
Ccr7.2	4.90E-90	2.29287608	0.905	0.163	8.05E-86	16
Tmtc2	7.60E-86	1.33283821	0.56	0.054	1.25E-81	16
Relb	4.64E-85	1.67702369	0.69	0.088	7.63E-81	16
Net1	4.93E-83	1.57987128	0.488	0.043	8.11E-79	16
Serpnb6b.1	1.42E-81	1.7658077	0.488	0.044	2.34E-77	16

Bcl2a1a.1	3.09E-80	1.46975399	0.595	0.066	5.09E-76	16
Spint2.1	2.26E-77	1.41120931	0.631	0.077	3.73E-73	16
Cxcl16.1	4.63E-75	1.75811332	0.702	0.105	7.62E-71	16
Tspan3	1.65E-74	1.84107227	0.643	0.086	2.72E-70	16
Pfkfb3	1.40E-72	1.1693349	0.393	0.031	2.30E-68	16
Birc2	4.07E-72	1.13024387	0.44	0.039	6.70E-68	16
Samsn1.1	6.88E-70	1.39553715	0.655	0.091	1.13E-65	16
Adam8	1.42E-67	1.22885741	0.464	0.047	2.33E-63	16
Ccl5.2	3.52E-62	1.68917881	0.81	0.151	5.80E-58	16
Bcl2a1b.4	3.92E-62	1.70244218	0.833	0.192	6.44E-58	16
Nostrin	2.21E-61	1.11725585	0.298	0.021	3.64E-57	16
Serpib9.1	8.93E-61	1.17290557	0.452	0.048	1.47E-56	16
Avpi1.2	2.46E-58	1.39266127	0.607	0.092	4.05E-54	16
Iscu.1	7.41E-58	1.59855216	0.81	0.185	1.22E-53	16
Ccl17	1.64E-57	1.92676386	0.286	0.021	2.70E-53	16
Mthfd2	1.23E-55	1.19532803	0.393	0.041	2.03E-51	16
Bmp2k	9.32E-54	1.12039858	0.548	0.078	1.53E-49	16
Tmem39a	2.70E-52	1.08804895	0.393	0.043	4.45E-48	16
Fam49a	5.35E-52	1.22409085	0.429	0.051	8.80E-48	16
Tbc1d8.1	1.60E-51	1.15472126	0.393	0.044	2.62E-47	16
Fam60a	4.25E-51	0.97279576	0.298	0.025	6.99E-47	16
Cpne2	1.17E-49	0.8490484	0.286	0.024	1.92E-45	16
Lrrk1	1.19E-49	1.1892011	0.44	0.057	1.96E-45	16
Pcgf5	5.22E-49	0.86959706	0.345	0.035	8.59E-45	16
Bcl2a1d.4	4.60E-48	1.50784925	0.702	0.153	7.57E-44	16
Id2.6	1.92E-47	1.5887174	0.786	0.208	3.16E-43	16
Etv3.2	6.70E-47	1.37847549	0.738	0.173	1.10E-42	16
Ly75	3.28E-46	1.06472786	0.286	0.026	5.39E-42	16
Gyg	1.28E-45	1.58860296	0.393	0.049	2.11E-41	16
Traf1.3	2.29E-45	1.54732988	0.643	0.139	3.77E-41	16
Ube2l6	6.05E-44	1.03463656	0.321	0.034	9.94E-40	16
Actn1	1.13E-43	0.97789232	0.393	0.05	1.85E-39	16
Rgs1.1	3.60E-43	1.63499184	0.583	0.112	5.92E-39	16
Glipr2	1.97E-42	1.15993545	0.44	0.065	3.24E-38	16
Epsti1.1	3.29E-41	1.98541512	0.702	0.183	5.41E-37	16
Csf2rb2	2.10E-40	0.90698971	0.286	0.029	3.46E-36	16
Mxd1	6.18E-40	1.17449161	0.417	0.061	1.02E-35	16
Tmsb4x.11	7.52E-38	0.96972814	1	0.993	1.24E-33	16
Pgap2	1.81E-37	0.93782596	0.345	0.045	2.97E-33	16
Foxp4	1.86E-37	0.79606435	0.286	0.031	3.06E-33	16
Cd63.2	3.03E-37	1.1657892	0.786	0.205	4.99E-33	16
Ggta1	3.05E-37	0.84558379	0.274	0.029	5.02E-33	16
Arl5c	3.44E-36	1.10328461	0.405	0.065	5.65E-32	16

Psm2.7	6.45E-36	1.46069226	0.821	0.329	1.06E-31	16
Flt3.1	6.51E-36	0.90316769	0.31	0.038	1.07E-31	16
Myo1g.3	7.77E-36	1.16816415	0.631	0.152	1.28E-31	16
Lsp1.12	1.57E-35	1.3818187	0.893	0.391	2.59E-31	16
Jak2	2.16E-35	1.13494014	0.452	0.08	3.56E-31	16
Clic4.12	3.61E-35	1.33268359	0.774	0.246	5.94E-31	16
Bhlhe40.5	1.02E-33	1.19774346	0.667	0.179	1.68E-29	16
Map3k14	1.32E-33	0.93187626	0.345	0.05	2.17E-29	16
Grasp.1	2.05E-33	1.06802953	0.369	0.056	3.38E-29	16
Pmaip1.2	2.09E-33	1.01678586	0.488	0.096	3.44E-29	16
Syng2.9	3.68E-33	1.34529983	0.738	0.243	6.05E-29	16
Tmem131l	9.99E-33	0.82706953	0.381	0.06	1.64E-28	16
Sdhaf1	1.37E-32	0.8263727	0.31	0.041	2.25E-28	16
Actg1.9	5.15E-32	1.04188968	0.976	0.901	8.47E-28	16
Nr4a3.2	1.03E-31	1.17955916	0.488	0.101	1.70E-27	16
Htra2	1.83E-31	0.85203216	0.321	0.046	3.01E-27	16
Csrp1.1	1.24E-30	0.93699886	0.381	0.065	2.05E-26	16
Gadd45b.12	2.45E-30	1.24427604	0.738	0.246	4.03E-26	16
Adora2a	2.86E-30	0.79977625	0.274	0.035	4.70E-26	16
Uap1	1.13E-29	0.79655977	0.321	0.048	1.86E-25	16
Map4k4	1.97E-28	1.03040501	0.5	0.113	3.25E-24	16
Cdc42ep3	5.24E-28	0.83874382	0.321	0.05	8.61E-24	16
Aebp2	5.82E-28	0.70808622	0.321	0.05	9.58E-24	16
Csf2rb.2	9.88E-28	1.15685463	0.5	0.12	1.62E-23	16
Ly6e.11	2.01E-27	-2.0927554	0.131	0.757	3.31E-23	16
Rnf115	2.78E-27	0.83349381	0.369	0.066	4.57E-23	16
Gpr132.6	3.22E-27	0.94189831	0.702	0.219	5.30E-23	16
Ogfrl1	5.05E-26	0.95639957	0.321	0.056	8.30E-22	16
Actb.9	8.74E-26	0.88936786	1	0.993	1.44E-21	16
Etv6	1.10E-25	0.90178725	0.429	0.093	1.82E-21	16
Cblb	1.88E-25	0.90035638	0.405	0.083	3.10E-21	16
Fam32a	1.91E-25	0.98719902	0.476	0.113	3.15E-21	16
Gfpt1	6.49E-25	0.89046267	0.31	0.052	1.07E-20	16
Spr	1.02E-24	0.66082424	0.333	0.059	1.67E-20	16
Pik3r1.1	1.50E-24	0.99807108	0.512	0.131	2.47E-20	16
Rel.11	2.77E-24	0.96223708	0.75	0.275	4.55E-20	16
H2afz.15	5.45E-24	1.11012706	0.905	0.584	8.97E-20	16
Marcks.13	1.61E-23	1.13724076	0.786	0.327	2.65E-19	16
Casp3	2.66E-23	0.74112225	0.262	0.041	4.37E-19	16
Il21r.2	3.05E-23	0.87325716	0.452	0.107	5.02E-19	16
Cbfa2t3.3	6.40E-23	0.75261092	0.548	0.148	1.05E-18	16
Atox1.15	1.27E-21	1.01050908	0.857	0.452	2.09E-17	16
Hivep1	2.47E-21	0.84811996	0.262	0.044	4.07E-17	16

Psmc1.8	2.82E-21	0.99574368	0.81	0.4	4.63E-17	16
Tmem176a.11	4.01E-21	0.96303236	0.762	0.329	6.59E-17	16
Batf3.2	5.32E-21	0.81226668	0.417	0.102	8.76E-17	16
Calm1.6	1.08E-20	1.05442871	0.94	0.714	1.78E-16	16
Gpr137b	1.53E-20	0.74618068	0.274	0.049	2.51E-16	16
Mkl1	1.99E-20	0.71816341	0.333	0.069	3.27E-16	16
Cd40	2.45E-20	0.62805677	0.31	0.06	4.03E-16	16
Lactb	2.47E-20	0.82334046	0.369	0.084	4.07E-16	16
Dpp4	8.87E-20	0.75103934	0.262	0.047	1.46E-15	16
Ccdc88a.1	1.29E-19	0.90758102	0.405	0.102	2.12E-15	16
B2m.10	1.39E-19	0.76147323	0.964	0.806	2.29E-15	16
Arhgap31	1.47E-19	1.19093043	0.381	0.096	2.42E-15	16
Fam129a.1	1.50E-19	0.78544126	0.393	0.095	2.47E-15	16
Cd44.4	9.00E-19	0.86154613	0.56	0.189	1.48E-14	16
Ktn1	9.42E-19	0.65176286	0.274	0.052	1.55E-14	16
Crip1.14	1.25E-18	0.83838985	0.964	0.718	2.06E-14	16
Rftn1	1.29E-18	0.627864	0.333	0.073	2.12E-14	16
Psmb8.7	1.71E-18	0.88333224	0.833	0.476	2.81E-14	16
Selplg.9	1.75E-18	0.93407158	0.679	0.302	2.88E-14	16
Rap2b	3.16E-18	0.69066396	0.31	0.066	5.20E-14	16
Traf6	5.51E-18	0.65960459	0.31	0.066	9.06E-14	16
Marcksl1.13	2.05E-17	0.80952071	0.857	0.431	3.37E-13	16
Cst3.13	4.20E-17	0.99198156	0.952	0.682	6.90E-13	16
Grk3	5.52E-17	0.72639089	0.262	0.053	9.08E-13	16
Ptpn18.6	1.08E-16	-1.4378411	0.19	0.618	1.78E-12	16
Lyz2.15	2.19E-16	-2.9923009	0.107	0.559	3.60E-12	16
Anxa4	2.26E-16	0.66284554	0.31	0.071	3.72E-12	16
Fth1.13	3.17E-16	-0.9442252	0.905	0.958	5.21E-12	16
Nudt9	3.60E-16	0.77393603	0.298	0.068	5.92E-12	16
Txndc17	4.10E-16	0.88291987	0.548	0.196	6.74E-12	16
Arl4c	7.77E-16	0.58736833	0.381	0.1	1.28E-11	16
Phf11b.1	1.21E-15	0.66160404	0.31	0.075	1.99E-11	16
Npc2.12	1.30E-15	1.03024269	0.81	0.509	2.14E-11	16
Prex1.1	1.32E-15	0.67729847	0.476	0.15	2.17E-11	16
Tmem176b.12	4.87E-15	0.70586115	0.821	0.435	8.02E-11	16
Nrp2	5.70E-15	0.59039518	0.274	0.061	9.37E-11	16
Rpsa.10	5.83E-15	0.6249286	0.988	0.934	9.58E-11	16
Lima1	1.10E-14	0.7383134	0.274	0.063	1.80E-10	16
Apoe.14	1.98E-14	-3.0584455	0.036	0.475	3.25E-10	16
Dusp5.7	2.13E-14	0.78139379	0.571	0.226	3.50E-10	16
Rps27l.8	2.63E-14	0.92556433	0.643	0.304	4.33E-10	16
Jund.11	3.45E-14	-0.9917517	0.321	0.686	5.68E-10	16
Cnn2.7	3.60E-14	0.83471581	0.69	0.344	5.93E-10	16

Mob3a	4.45E-14	0.5164784	0.286	0.068	7.32E-10	16
Swap70.2	4.47E-14	0.69026744	0.429	0.136	7.36E-10	16
Rnf19b	4.85E-14	0.79853895	0.345	0.097	7.98E-10	16
Trafd1	7.13E-14	0.53453308	0.333	0.089	1.17E-09	16
Nfkbia.12	1.14E-13	0.98241589	0.845	0.517	1.87E-09	16
Mvp	1.16E-13	0.73080719	0.333	0.095	1.91E-09	16
S100a11.10	1.26E-13	0.72727512	0.75	0.394	2.08E-09	16
Tank	1.48E-13	0.60067751	0.262	0.062	2.44E-09	16
Btg1.10	3.10E-13	0.61564724	0.869	0.57	5.10E-09	16
Malat1.9	4.49E-13	1.05641899	0.94	0.936	7.38E-09	16
Nav1	9.06E-13	0.66613841	0.333	0.097	1.49E-08	16
Itgb1.3	1.85E-12	0.72546086	0.583	0.241	3.05E-08	16
Herpud1.3	2.05E-12	0.82077432	0.476	0.183	3.36E-08	16
AW112010.11	2.30E-12	0.87071566	0.56	0.258	3.78E-08	16
Gtpbp4	2.68E-12	0.64703204	0.31	0.089	4.41E-08	16
S100a4.6	2.78E-12	0.55658229	0.488	0.178	4.58E-08	16
Rassf2	3.15E-12	0.53622706	0.31	0.086	5.18E-08	16
Ncoa7.1	3.33E-12	0.75924049	0.31	0.091	5.47E-08	16
Ptms.12	6.22E-12	0.68306186	0.631	0.284	1.02E-07	16
Selenop.15	6.82E-12	-2.7349025	0.048	0.42	1.12E-07	16
H2-DMa.2	8.09E-57	-1.0562918	0.144	0.453	1.33E-52	4
Rabgap1l.1	1.09E-11	0.54276922	0.298	0.083	1.79E-07	16
Tap1.1	1.38E-11	0.7204048	0.393	0.139	2.28E-07	16
Cd83.12	1.63E-11	0.74728413	0.774	0.467	2.68E-07	16
Sri.5	1.70E-11	0.61540431	0.571	0.249	2.80E-07	16
Tes.1	1.72E-11	0.58835148	0.333	0.103	2.83E-07	16
H2-Eb1.14	0.0062134	-1.0833114	0.75	0.708	1	20
Clec2d.1	1.88E-11	0.57606496	0.488	0.181	3.09E-07	16
Apobec3.3	3.53E-11	0.61124407	0.488	0.19	5.81E-07	16
Ctsz.9	4.54E-11	0.72596457	0.679	0.349	7.47E-07	16
Rps19.9	4.74E-11	0.46663287	0.988	0.932	7.80E-07	16
Anxa2.15	5.09E-11	0.7150904	0.607	0.272	8.38E-07	16
Ikbkb.2	5.50E-11	0.52810182	0.393	0.136	9.04E-07	16
Bri3bp.2	5.67E-11	0.509203	0.369	0.123	9.33E-07	16
Mrpl14	6.03E-11	0.55227914	0.381	0.131	9.92E-07	16
Pbxip1	8.54E-11	0.50445613	0.31	0.094	1.40E-06	16
Zfp36l1.11	9.18E-11	0.60133129	0.821	0.525	1.51E-06	16
Cdkn1a.5	9.55E-11	0.71646585	0.524	0.228	1.57E-06	16
H2-DMb2.4	7.76E-20	-1.0856145	0.07	0.253	1.28E-15	5
Psmg4	1.18E-10	0.72773339	0.31	0.1	1.95E-06	16
Dynll2	1.34E-10	0.66608563	0.321	0.104	2.20E-06	16
Malt1.2	1.35E-10	0.72276828	0.369	0.129	2.23E-06	16
C1qb.15	1.39E-10	-2.7253871	0.012	0.356	2.29E-06	16

Fos.11	2.46E-10	-1.5221516	0.393	0.623	4.05E-06	16
Brk1.1	2.61E-10	0.68471809	0.571	0.259	4.29E-06	16
Psemb9.5	4.92E-10	0.59757099	0.536	0.239	8.09E-06	16
Cd47.2	5.45E-10	0.59945045	0.655	0.346	8.97E-06	16
Asap1.1	5.68E-10	0.60415184	0.369	0.133	9.35E-06	16
Tuba1c.1	5.72E-10	0.64238312	0.452	0.178	9.41E-06	16
Alox5ap.15	5.81E-10	-1.4661743	0.071	0.401	9.55E-06	16
Myl6.7	5.88E-10	0.54258897	0.881	0.651	9.67E-06	16
Fosb.11	6.04E-10	-1.3265254	0.179	0.505	9.93E-06	16
Stk4.2	6.23E-10	0.53717823	0.417	0.16	1.03E-05	16
Csf1r.15	6.81E-10	-1.8329026	0.012	0.336	1.12E-05	16
Rhog.4	7.82E-10	0.68349121	0.583	0.289	1.29E-05	16
Edf1.2	8.19E-10	0.59629826	0.643	0.346	1.35E-05	16
Birc3	9.55E-10	0.71478247	0.417	0.169	1.57E-05	16
Ccl6.15	1.04E-09	-1.7871667	0.095	0.416	1.70E-05	16
Cytip.9	1.24E-09	0.6468593	0.619	0.324	2.04E-05	16
Nfkb2	1.34E-09	0.51124574	0.298	0.096	2.21E-05	16
Zfand6	1.37E-09	0.51825803	0.357	0.127	2.26E-05	16
Itm2c.2	1.43E-09	0.7203987	0.464	0.207	2.35E-05	16
Egr1.13	1.43E-09	-1.9157507	0.167	0.461	2.36E-05	16
Ier2.13	1.48E-09	-1.1485305	0.25	0.559	2.43E-05	16
C1qa.15	2.40E-09	-2.5233874	0.024	0.333	3.95E-05	16
Rala.2	2.49E-09	0.49772681	0.44	0.18	4.10E-05	16
Gmfg.2	2.56E-09	-1.2517562	0.036	0.346	4.22E-05	16
Rac2.13	2.68E-09	-1.1769936	0.19	0.484	4.40E-05	16
Supt4a	3.03E-09	0.60572365	0.452	0.192	4.98E-05	16
Trim35.1	4.64E-09	0.37830466	0.286	0.091	7.64E-05	16
Nfkbie	5.08E-09	0.4854015	0.31	0.106	8.36E-05	16
Mrc1.15	6.54E-09	-1.7613729	0.012	0.309	0.00010763	16
Ctsc.13	7.10E-09	-1.4127829	0.119	0.418	0.00011679	16
Smarce1	9.56E-09	0.47597894	0.286	0.095	0.0001572	16
Sbno1	1.11E-08	0.41779474	0.345	0.125	0.00018266	16
C1qc.15	1.18E-08	-2.4469835	0.048	0.337	0.00019491	16
Vim.13	1.34E-08	0.64301681	0.845	0.62	0.00022034	16
Wnk1.6	1.47E-08	0.6994247	0.512	0.257	0.00024224	16
Jun.14	1.49E-08	-1.7594398	0.19	0.465	0.00024508	16
Wdr1.1	1.65E-08	0.56192273	0.536	0.259	0.00027133	16
H2-DMb1.12	1.06E-07	-1.1052355	0.109	0.331	0.00173644	14
Pltp.15	1.72E-08	-1.5991641	0.048	0.34	0.00028304	16
Tnfrsf1b.2	1.83E-08	0.48070584	0.321	0.113	0.00030096	16
Cfp.14	1.90E-08	-1.3121081	0.024	0.315	0.00031203	16
Dstn	2.56E-08	0.55517904	0.345	0.134	0.0004209	16
Cebpb.14	2.57E-08	-1.4426965	0.048	0.332	0.00042204	16

Stk17b.9	2.67E-08	-1.216078	0.167	0.44	0.00043877	16
Ostf1.5	3.02E-08	0.64891345	0.583	0.311	0.00049739	16
Slc6a6.2	3.09E-08	0.55405367	0.429	0.184	0.00050814	16
mt-Cytb.5	3.28E-08	-0.4139019	0.881	0.937	0.00053901	16
Klf4.12	4.41E-08	-1.4073906	0.083	0.378	0.00072612	16
Shisa5.11	5.34E-08	-1.0801918	0.19	0.454	0.00087881	16
Ctnna1.1	5.42E-08	0.50562923	0.298	0.108	0.00089203	16
Sqstm1.6	6.91E-08	0.64187849	0.655	0.379	0.0011373	16
lfitm3.14	7.35E-08	-1.4686	0.274	0.493	0.00120844	16
Pde4b.11	7.45E-08	0.49816742	0.69	0.415	0.00122566	16
ltga4.4	7.58E-08	0.62893477	0.452	0.21	0.00124762	16
Myo9b	8.42E-08	0.45460826	0.298	0.108	0.00138427	16
Slamf7.3	9.11E-08	0.53458024	0.321	0.125	0.00149925	16
St8sia4	9.13E-08	0.53960901	0.321	0.124	0.00150197	16
Nrip1.2	9.14E-08	0.40257656	0.298	0.108	0.0015036	16
lghm.12	9.31E-08	-1.8507121	0.155	0.417	0.00153079	16
Zfp36l2.6	1.27E-07	-1.0574337	0.107	0.383	0.00209692	16
Rab8b	1.40E-07	0.61660742	0.298	0.11	0.00230488	16
Arf4.2	1.62E-07	0.51511914	0.464	0.22	0.00266974	16
Nfkbib	1.67E-07	0.35477652	0.321	0.121	0.0027409	16
Mafb.14	1.73E-07	-1.743702	0.012	0.266	0.00284883	16
Unc93b1.7	1.77E-07	-1.0357261	0.226	0.465	0.0029043	16
Nfil3.2	1.78E-07	0.55314555	0.286	0.105	0.00292254	16
Klf2.13	1.83E-07	-0.9373336	0.357	0.597	0.0030151	16
Tubb2a.1	2.13E-07	0.54545412	0.274	0.099	0.00350468	16
Cd14.15	2.15E-07	-1.5083167	0.012	0.263	0.00354238	16
Ccl2.15	2.21E-07	-1.8447778	0.024	0.284	0.00363583	16
Cd53.2	2.21E-07	-0.9479242	0.048	0.319	0.00363772	16
Atpif1.14	2.24E-07	0.52663493	0.583	0.312	0.00367779	16
Fcgr2b.9	2.43E-07	-1.0911553	0.024	0.281	0.00400472	16
Coro1b.3	2.78E-07	0.4421228	0.488	0.242	0.00457155	16
Fnbp1.2	3.04E-07	0.4475352	0.476	0.224	0.00500655	16
F13a1.14	3.10E-07	-1.4238523	0.024	0.282	0.00509579	16
Pf4.16	4.93E-07	-1.9509878	0.06	0.309	0.00811101	16
Srgn.7	6.55E-07	0.47448839	0.845	0.671	0.01076762	16
ltn2b.13	8.40E-07	-0.8388347	0.738	0.788	0.01381682	16
Snx20.3	8.76E-07	0.50826237	0.369	0.164	0.0144067	16
Sec61b.8	9.62E-07	0.6267928	0.714	0.48	0.01582303	16
Uvrag.2	9.76E-07	0.49891614	0.381	0.17	0.01605256	16
lfng1.10	1.01E-06	-1.0746891	0.143	0.385	0.01662205	16
Serp1.8	1.08E-06	-0.9350236	0.131	0.379	0.0178079	16
Txn1.7	1.09E-06	0.53598487	0.5	0.248	0.0178787	16
Ctsd.13	1.27E-06	-1.2238303	0.06	0.293	0.02095317	16

mt-Nd2.7	1.30E-06	-0.4763082	0.655	0.799	0.02135635	16
Dusp2.1	1.36E-06	0.57417819	0.333	0.146	0.02236115	16
Kxd1	1.37E-06	0.53261384	0.298	0.123	0.02256304	16
Tap2	1.38E-06	0.41264226	0.333	0.139	0.02264586	16
Got1	1.42E-06	0.4760393	0.262	0.101	0.02334514	16
Fxyd5.15	1.47E-06	-0.9015683	0.226	0.468	0.02414396	16
Ifi2712a.13	1.52E-06	-1.2788791	0.167	0.405	0.02493471	16
Cybb.11	1.69E-06	-1.0800262	0.095	0.332	0.02774351	16
Cflar	2.22E-06	0.4894132	0.274	0.109	0.03645428	16
Serinc3.12	2.22E-06	-0.9916568	0.119	0.36	0.03648559	16
Rps26.10	2.25E-06	0.33248773	0.976	0.934	0.03697118	16
Stat1.3	2.28E-06	0.46893978	0.369	0.169	0.03754511	16
Smchd1.1	2.35E-06	0.51509473	0.31	0.134	0.03871388	16
Fcer1g.13	2.36E-06	-1.0852434	0.5	0.578	0.03883093	16
Grn.12	2.40E-06	-1.1756107	0.155	0.379	0.03946324	16
Wfdc17.13	2.41E-06	-1.260606	0.095	0.332	0.03963367	16
Hsp90b1.6	2.51E-06	-0.8262354	0.238	0.478	0.04136868	16
Rbm17.1	2.90E-06	0.43324931	0.274	0.111	0.0477545	16
Skil.1	2.93E-06	0.46107015	0.298	0.126	0.04813576	16
Arhgap30.1	3.08E-06	0.46464599	0.393	0.186	0.05062042	16
Rtraf.2	3.42E-06	0.36910504	0.512	0.264	0.05623747	16
Sub1.9	3.50E-06	0.4349308	0.726	0.461	0.05752934	16
Vcp.2	4.34E-06	0.48844844	0.488	0.258	0.07134157	16
Arhgdib.9	4.54E-06	-0.6901872	0.405	0.598	0.0746403	16
Icam1.3	4.81E-06	0.52130542	0.369	0.174	0.07909002	16
Vamp8.10	5.20E-06	0.39739933	0.607	0.339	0.0856038	16
Pim1.8	5.31E-06	0.40636135	0.702	0.447	0.08728093	16
Cyba.7	5.55E-06	0.39355724	0.893	0.716	0.09125746	16
Cd79a.14	5.61E-06	-1.5477636	0.036	0.254	0.09221001	16
Sh3glb1.3	5.75E-06	0.38447962	0.607	0.349	0.09459911	16
Hint1.2	6.48E-06	-0.7688197	0.25	0.462	0.10666061	16
Tubb5.4	7.08E-06	0.43258966	0.536	0.294	0.11650926	16
Ak2	8.33E-06	0.50155902	0.262	0.109	0.13698765	16
Psmb10.1	9.06E-06	0.4843041	0.393	0.194	0.14895164	16
B4galnt1.3	9.16E-06	0.32923137	0.345	0.154	0.15065441	16
Lamp1.14	9.60E-06	0.35732385	0.69	0.411	0.15798088	16
Dap	1.03E-05	0.60057372	0.262	0.114	0.17010944	16
mt-Atp8.12	1.09E-05	-0.3559221	0.917	0.929	0.17871229	16
Ccni	1.14E-05	0.37969439	0.262	0.107	0.18769986	16
Man2b1.11	1.18E-05	-0.840619	0.083	0.301	0.19490046	16
Pirb.1	1.21E-05	0.40796139	0.298	0.129	0.19944689	16
Cstb.9	1.23E-05	0.46353103	0.464	0.255	0.20178879	16
Skap2.1	1.24E-05	0.26668719	0.286	0.118	0.20428198	16

Spop	1.27E-05	0.29488518	0.286	0.121	0.20840634	16
H3f3a.10	1.29E-05	0.38653408	0.869	0.737	0.21274928	16
Ywhah.6	1.32E-05	0.31295075	0.5	0.261	0.21666332	16
Arpc4.5	1.49E-05	0.37212166	0.607	0.34	0.24527416	16
Scand1.3	1.53E-05	0.43894494	0.571	0.334	0.2517371	16
H2-DMb2.6	2.09E-24	-1.2012283	0.026	0.254	3.44E-20	7
Krcc1	1.63E-05	0.37798126	0.298	0.13	0.26858781	16
Hsp90ab1.3	1.66E-05	0.3419786	0.964	0.804	0.27227048	16
Ahnak.10	1.68E-05	-0.8688449	0.393	0.548	0.27566745	16
Atp6v0e.1	1.68E-05	0.36334164	0.631	0.386	0.27616798	16
Junb.12	1.70E-05	-0.526834	0.905	0.842	0.2792376	16
Krtcap2.4	1.89E-05	-0.794049	0.083	0.299	0.31054311	16
Efhhd2.12	2.08E-05	0.37416657	0.524	0.293	0.34155153	16
Dock8	2.13E-05	0.49180678	0.357	0.177	0.35116357	16
Ctsb.15	2.26E-05	-1.3064891	0.333	0.478	0.37098916	16
Tagln2.11	2.26E-05	0.51705473	0.69	0.488	0.37164566	16
Fcgrt.14	2.51E-05	-1.0247377	0.06	0.259	0.41216179	16
Ly6d.13	2.56E-05	-1.2697737	0.107	0.31	0.42093766	16
Ctsh.12	2.57E-05	0.3950471	0.619	0.383	0.42314956	16
Aup1.1	2.93E-05	0.28647526	0.429	0.213	0.48244932	16
Ptprcap.14	3.09E-05	-1.0393833	0.071	0.267	0.50754884	16
M6pr.1	3.12E-05	0.3783527	0.357	0.176	0.51322176	16
Ly86.10	3.35E-05	-0.8227083	0.119	0.32	0.55099227	16
Myh9.9	3.54E-05	0.35882625	0.714	0.5	0.58151069	16
Scpep1	3.68E-05	0.37795557	0.298	0.135	0.60505534	16
Pld4.11	3.83E-05	-0.7671658	0.119	0.328	0.63010737	16
Psma5	3.88E-05	0.29237077	0.286	0.125	0.63857381	16
H2-DMb2.7	1.39E-19	-1.2293095	0.017	0.251	2.29E-15	10
Irf1.1	4.06E-05	0.35443141	0.369	0.183	0.66850932	16
Hspa5.3	4.14E-05	-0.8001993	0.31	0.465	0.68030054	16
Tspo.8	4.30E-05	0.42507926	0.643	0.421	0.70812489	16
Chchd2.1	4.62E-05	0.3453922	0.857	0.623	0.75940467	16
Snx5.13	5.59E-05	-0.766853	0.119	0.319	0.91974983	16
Taok3.2	5.65E-05	0.40526481	0.381	0.201	0.92912592	16
mt-Nd1.4	5.82E-05	-0.3459134	0.869	0.868	0.95658895	16
H2-DMb1.3	4.15E-54	-1.2474065	0.066	0.353	6.82E-50	4
Capg.10	6.15E-05	-0.8634203	0.071	0.26	1	16
Rpl7a.4	6.61E-05	0.29416772	0.905	0.761	1	16
Pfn1.7	6.68E-05	0.30401196	0.905	0.859	1	16
Cxcl2.14	6.69E-05	-1.8430956	0.071	0.252	1	16
Ldha.8	7.33E-05	-0.8102754	0.155	0.341	1	16
Eloc	7.34E-05	0.36566147	0.333	0.163	1	16
Ehd1.2	8.09E-05	0.3354459	0.381	0.192	1	16

Ghitm.1	9.29E-05	0.38410678	0.298	0.144	1	16
Mbnl1.5	9.48E-05	-0.7471959	0.155	0.342	1	16
Tapbp	9.53E-05	0.4079744	0.44	0.241	1	16
Srsf3.1	9.68E-05	0.45499169	0.44	0.247	1	16
Rgs10.11	9.82E-05	0.44360372	0.464	0.273	1	16
Ehd4.13	9.89E-05	-0.7701084	0.083	0.269	1	16
Peli1.1	0.00013127	0.32877713	0.286	0.135	1	16
Zfp706.2	0.00013171	-0.7612194	0.155	0.325	1	16
Rpl13a.11	0.00013198	-0.448088	0.774	0.814	1	16
Ier3.12	0.00013946	-1.1954909	0.155	0.327	1	16
Cd37.11	0.00014416	-0.8548888	0.143	0.332	1	16
Necap2	0.00014595	0.29367221	0.274	0.127	1	16
Prkcd.2	0.0001484	0.361554	0.345	0.182	1	16
Cdk2ap2.8	0.00017171	-0.8321405	0.095	0.267	1	16
Tpm4.5	0.00018044	0.30359193	0.44	0.242	1	16
Slc38a2	0.00018321	0.3767171	0.286	0.136	1	16
Cdc42se1	0.00018875	0.37926651	0.345	0.183	1	16
Tnfaip8.3	0.00018992	0.38062469	0.345	0.183	1	16
Ctsa.13	0.00019024	-0.8368597	0.119	0.286	1	16
Hexa.12	0.0001968	-0.8358906	0.119	0.293	1	16
Nr4a1.9	0.00019936	-0.4617562	0.321	0.507	1	16
Abrac1.7	0.00020661	0.33810447	0.452	0.259	1	16
Scamp2.2	0.00021245	0.36696401	0.381	0.208	1	16
Btg2.10	0.00022235	-0.5718159	0.619	0.671	1	16
Rplp1.4	0.00022266	-0.2616975	0.976	0.973	1	16
Selenok.1	0.00023983	0.37603533	0.56	0.36	1	16
Sh3bgrl3.9	0.0002669	0.28454062	0.905	0.746	1	16
Ier5.11	0.00027005	0.30011881	0.583	0.369	1	16
S100a10.14	0.00027266	-0.7003063	0.298	0.462	1	16
Nap1l1.6	0.00027984	0.29496937	0.452	0.259	1	16
Hspa8.4	0.00028668	0.30517586	0.881	0.723	1	16
Ccdc50	0.00029716	0.25395596	0.321	0.159	1	16
Gstm1.13	0.00033709	-0.542848	0.583	0.646	1	16
Ypel3.7	0.00034107	-0.7274828	0.143	0.307	1	16
Tgfb1.5	0.0003809	-0.7102366	0.167	0.33	1	16
4930523C07R	0.0003837	0.3218025	0.286	0.143	1	16
Socs3.13	0.00038963	-0.9449283	0.131	0.281	1	16
Ubxn1	0.00041075	0.30732798	0.452	0.272	1	16
Eno1.8	0.00041856	-0.5426059	0.25	0.414	1	16
Nme2.4	0.00051469	-0.5179211	0.452	0.552	1	16
Psap.13	0.00060485	-0.6270572	0.667	0.676	1	16
Csnk2b.3	0.00061507	0.31802433	0.345	0.187	1	16
Cox5b.4	0.00062631	0.25523931	0.667	0.432	1	16

Cox5a.5	0.00066026	0.29019082	0.571	0.378	1	16
Litaf.7	0.00080061	0.26350269	0.452	0.261	1	16
Itgb2.10	0.00080465	-0.7326813	0.119	0.269	1	16
Tln1.5	0.00081109	-0.6195146	0.31	0.429	1	16
Tmem50a.5	0.00081689	-0.59124	0.19	0.347	1	16
Cd68.12	0.00083258	-0.7421463	0.119	0.274	1	16
Rpl12.11	0.00086693	-0.4065218	0.702	0.762	1	16
Tra2a	0.0009073	0.31971695	0.298	0.156	1	16
Coro1a.8	0.00097988	-0.4685059	0.571	0.638	1	16
Gstp1.7	0.0011289	-0.7260175	0.155	0.299	1	16
Tmbim4.2	0.00123516	0.27459765	0.286	0.151	1	16
Ddx5.7	0.0012435	-0.4245218	0.619	0.703	1	16
Dusp1.10	0.00124673	-0.6833399	0.56	0.606	1	16
Emp3.9	0.0012538	-0.5860057	0.298	0.435	1	16
Ube2n.1	0.00126529	0.27572036	0.274	0.141	1	16
Prcp.2	0.0012817	0.34136476	0.321	0.187	1	16
Dek.1	0.00129177	0.29035398	0.369	0.213	1	16
Ilk	0.00143474	0.27072724	0.274	0.143	1	16
Slc3a2.2	0.00147083	0.32828664	0.369	0.215	1	16
Zeb2.14	0.00159488	-0.719851	0.155	0.297	1	16
Ndfip1.5	0.00170461	-0.6160531	0.155	0.299	1	16
Ncf1.1	0.00191144	0.38218544	0.262	0.144	1	16
Dad1.5	0.00192498	-0.6416389	0.19	0.327	1	16
mt-Nd4.7	0.0019774	-0.3107258	0.643	0.703	1	16
mt-Atp6.3	0.00201155	-0.3149009	0.75	0.797	1	16
Ptpn6.8	0.00204722	-0.5898635	0.119	0.26	1	16
Rassf4.9	0.00212721	0.35134902	0.393	0.244	1	16
Mlf2	0.00223786	0.30231216	0.298	0.164	1	16
Sdcbp.10	0.00261016	-0.6009225	0.143	0.276	1	16
Pcbp2.2	0.00272935	0.25761398	0.643	0.449	1	16
Grcc10.4	0.00285671	-0.5398473	0.274	0.402	1	16
Lgals1.12	0.00318501	-0.7863953	0.298	0.404	1	16
Rps17	0.00320242	-0.3624585	0.417	0.543	1	16
Tbca.3	0.00347644	0.29530503	0.429	0.278	1	16
Fyb.11	0.00364513	-0.6184089	0.119	0.251	1	16
Gpcpd1.3	0.00411717	0.27552368	0.274	0.155	1	16
Atf3.12	0.00469876	-0.7645138	0.417	0.508	1	16
Samhd1.2	0.00516652	0.34338215	0.44	0.298	1	16
Hnrnpa3.2	0.00527668	-0.3823324	0.369	0.504	1	16
Gm2a.14	0.00532761	-0.5348253	0.155	0.288	1	16
Hsp90aa1.2	0.00588055	-0.4761665	0.214	0.344	1	16
Cd52.11	0.00643884	-0.3993018	0.786	0.734	1	16
Ptprc.7	0.00668708	-0.5869491	0.357	0.442	1	16

Stat3.2	0.0068484	0.30443402	0.369	0.244	1	16
Eif5a.4	0.00693624	-0.4517915	0.321	0.425	1	16
Cotl1.7	0.0073476	-0.5108585	0.25	0.363	1	16
Iqgap1.5	0.00736199	0.25699747	0.583	0.439	1	16
Clic1.6	0.00800621	-0.3947964	0.405	0.505	1	16
Slc25a5.1	0.00901437	-0.3943339	0.202	0.33	1	16
Ifitm2.14	0.00942515	-0.7284979	0.31	0.391	1	16
Ube2l3	0.00955651	0.26524654	0.286	0.171	1	16
Il1r2	1.43E-229	1.79280685	0.667	0.018	2.36E-225	17
Il1b.10	5.11E-35	1.65251853	0.889	0.24	8.40E-31	17
Tnfaip2	1.59E-61	1.45916514	0.537	0.047	2.61E-57	17
Gsn.3	1.58E-50	1.44712335	0.852	0.143	2.59E-46	17
Ccl22.1	1.56E-126	1.44131959	0.463	0.016	2.56E-122	17
Ccl17.1	3.80E-45	1.3946742	0.315	0.022	6.25E-41	17
Il1a	1.94E-91	1.32259492	0.426	0.019	3.19E-87	17
Itgax	1.38E-88	1.31256043	0.741	0.061	2.27E-84	17
Bhlhe40.6	3.97E-36	1.28481723	0.833	0.179	6.54E-32	17
Grasp.2	2.02E-57	1.28361199	0.574	0.056	3.33E-53	17
Cst3.14	8.01E-24	1.25642083	1	0.683	1.32E-19	17
Ccrl2	1.34E-42	1.22202635	0.574	0.073	2.20E-38	17
Epcam	8.87E-103	1.21534571	0.481	0.022	1.46E-98	17
Smim3	2.61E-106	1.18238746	0.5	0.023	4.29E-102	17
Spint1	3.67E-174	1.17074603	0.556	0.016	6.03E-170	17
Gng10.3	1.58E-42	1.16960751	0.981	0.208	2.60E-38	17
Cd74.12	3.95E-28	1.10140722	1	0.826	6.50E-24	17
Gm2a.15	6.42E-26	1.09300725	0.907	0.282	1.06E-21	17
Itgae.1	3.64E-105	1.08216365	0.444	0.018	5.99E-101	17
Cd9.2	1.46E-31	1.07584375	0.667	0.125	2.40E-27	17
Nfkbia.13	8.47E-21	1.06295209	0.981	0.517	1.39E-16	17
Qpct.1	2.41E-72	1.0619571	0.519	0.036	3.96E-68	17
Ptgs2	9.18E-58	1.04267684	0.481	0.039	1.51E-53	17
Ccl4.2	2.95E-09	1.03413438	0.407	0.13	4.85E-05	17
Cd209a.2	4.59E-24	1.02644949	0.667	0.152	7.55E-20	17
H2-DMb1.17	0.00201368	-1.2552591	0.069	0.329	1	19
Basp1.2	5.12E-34	1.02207187	0.537	0.079	8.43E-30	17
Smpdl3a.3	5.48E-28	1.02052288	0.704	0.157	9.01E-24	17
Wdfy4.4	1.12E-35	1.01356136	0.741	0.134	1.84E-31	17
Nfe2l2.2	1.73E-29	0.99626522	0.833	0.188	2.84E-25	17
Tctex1d2	5.28E-49	0.99468642	0.426	0.036	8.69E-45	17
Dusp2.2	1.06E-21	0.99458458	0.611	0.145	1.75E-17	17
Actn1.1	1.96E-46	0.99432118	0.5	0.051	3.23E-42	17
H2-DMb1.5	1.25E-38	-1.400781	0.02	0.344	2.06E-34	7
Bcl2a1d.5	9.77E-25	0.97478057	0.685	0.156	1.61E-20	17

Gsg1	6.35E-292	0.96756844	0.407	0.004	1.04E-287	17
Havcr2	4.59E-102	0.96378161	0.463	0.02	7.54E-98	17
Rtl8c.1	2.78E-46	0.96371891	0.463	0.045	4.57E-42	17
Lgals3.15	2.71E-19	0.95957835	0.889	0.346	4.45E-15	17
Nr4a3.3	5.83E-30	0.94688203	0.593	0.102	9.58E-26	17
Dusp5.8	8.36E-20	0.9440444	0.759	0.226	1.38E-15	17
Ccr1	1.07E-29	0.93713591	0.519	0.081	1.76E-25	17
H2-DMa.3	1.07E-47	-1.4036273	0.064	0.445	1.77E-43	7
Etv3.3	2.98E-23	0.93070472	0.722	0.176	4.91E-19	17
Sec61b.9	1.93E-13	0.92838081	0.907	0.479	3.17E-09	17
Plet1	1.58E-119	0.92401525	0.296	0.006	2.59E-115	17
Hexb	7.34E-27	0.92273288	0.685	0.145	1.21E-22	17
Ywhah.7	4.31E-19	0.91976676	0.815	0.259	7.09E-15	17
Csf2rb.3	6.37E-21	0.9189662	0.556	0.121	1.05E-16	17
Icam1.4	5.44E-20	0.91824496	0.667	0.173	8.95E-16	17
Nr4a2.4	4.39E-12	0.91359976	0.574	0.199	7.21E-08	17
Mdh2	6.81E-21	0.88880196	0.759	0.212	1.12E-16	17
Tnip3.3	3.09E-23	0.88836255	0.593	0.124	5.09E-19	17
Herpud1.4	5.65E-14	0.88497335	0.593	0.183	9.29E-10	17
Atox1.16	4.67E-19	0.87339597	0.963	0.453	7.68E-15	17
Pkib.1	3.28E-36	0.86961913	0.519	0.067	5.40E-32	17
Tnfsf9.1	1.12E-24	0.85521856	0.463	0.076	1.85E-20	17
Kit	6.34E-66	0.84797343	0.296	0.013	1.04E-61	17
Pak1.1	2.11E-30	0.83274232	0.444	0.06	3.46E-26	17
Vrk1	5.24E-24	0.82236705	0.463	0.079	8.62E-20	17
Cxcl16.2	9.69E-31	0.81553883	0.63	0.108	1.59E-26	17
Vasp.2	1.85E-22	0.80495157	0.722	0.18	3.05E-18	17
Pilra	1.07E-36	0.79947005	0.389	0.039	1.76E-32	17
Themis2	3.74E-27	0.79631108	0.519	0.085	6.15E-23	17
Med21	6.59E-09	0.79149445	0.259	0.064	0.00010833	17
Ppp1r1a	0	0.78126576	0.278	0.001	0	17
Taldo1.4	1.08E-15	0.7773729	0.778	0.275	1.77E-11	17
Gngt2.1	4.86E-33	0.77658567	0.63	0.101	7.99E-29	17
Igsf8	1.97E-26	0.77657585	0.37	0.048	3.25E-22	17
Bcl2a1a.2	1.07E-16	0.7667088	0.37	0.07	1.76E-12	17
Akr7a5	3.72E-32	0.75841856	0.426	0.052	6.12E-28	17
Rogdi.1	3.43E-34	0.75810191	0.5	0.065	5.64E-30	17
Csrnp1.3	6.47E-15	0.75481767	0.685	0.221	1.06E-10	17
Rasgef1b.1	5.39E-13	0.7486936	0.463	0.125	8.86E-09	17
Malt1.3	2.21E-21	0.74294657	0.593	0.128	3.64E-17	17
Cd300c2.1	2.64E-25	0.74233803	0.519	0.09	4.35E-21	17
Tbc1d9.1	1.56E-22	0.73703763	0.407	0.064	2.57E-18	17
Lsp1.13	7.38E-14	0.73145464	0.889	0.393	1.21E-09	17

Skil.2	6.05E-18	0.72722147	0.537	0.125	9.95E-14	17
Ebi3	9.17E-25	0.71690463	0.519	0.091	1.51E-20	17
Ccdc12.2	8.05E-15	0.70987354	0.704	0.224	1.32E-10	17
Tep1.2	2.71E-15	0.69689644	0.481	0.113	4.46E-11	17
F11r	1.41E-48	0.68932708	0.278	0.015	2.32E-44	17
Napsa.14	2.06E-16	0.67939106	0.815	0.26	3.39E-12	17
Slamf7.4	8.22E-14	0.67141715	0.481	0.125	1.35E-09	17
Ivns1abp	7.63E-21	0.67068851	0.444	0.079	1.25E-16	17
Sdf2l1.4	3.17E-13	0.66395641	0.556	0.161	5.22E-09	17
Tbc1d4.1	1.72E-30	0.66014691	0.389	0.045	2.83E-26	17
Tnf	3.47E-11	0.65994818	0.333	0.079	5.70E-07	17
Lmnb1.2	1.10E-14	0.65355864	0.426	0.098	1.81E-10	17
Csf2ra.5	2.37E-19	0.65345337	0.611	0.142	3.90E-15	17
Lcp1.6	4.37E-10	0.6525817	0.907	0.532	7.18E-06	17
Plbd1.8	4.44E-16	0.647815	0.778	0.237	7.31E-12	17
Spi1.12	2.93E-14	0.64598554	0.833	0.302	4.81E-10	17
Ncf1.2	3.44E-12	0.64380433	0.5	0.143	5.67E-08	17
Cd33	2.95E-19	0.64047614	0.333	0.051	4.86E-15	17
Pmaip1.3	2.05E-09	0.63731482	0.352	0.098	3.37E-05	17
S100a11.11	3.27E-11	0.62971615	0.852	0.395	5.37E-07	17
Tmem238	2.98E-12	0.62789051	0.259	0.049	4.90E-08	17
Ssr4.5	6.76E-11	0.6189147	0.833	0.367	1.11E-06	17
Gdi2.7	4.53E-08	0.61143923	0.741	0.373	0.00074577	17
Elovl5	9.89E-13	0.60999218	0.296	0.059	1.63E-08	17
Srgn.8	6.91E-12	0.60361234	0.963	0.671	1.14E-07	17
Syngn2.10	1.11E-13	0.60079552	0.741	0.244	1.83E-09	17
Bcl2a1b.5	1.42E-06	0.59023553	0.463	0.197	0.02331043	17
Arl5c.1	8.02E-14	0.57758485	0.333	0.067	1.32E-09	17
Slc2a6	1.29E-29	0.57161536	0.296	0.028	2.12E-25	17
Dapk1	9.51E-14	0.56954897	0.333	0.068	1.56E-09	17
H2-Ab1.10	3.00E-14	-1.406629	0.627	0.71	4.94E-10	14
Gpi1.2	1.03E-10	0.56320224	0.796	0.31	1.69E-06	17
Rgs1.2	1.32E-11	0.5621057	0.426	0.115	2.17E-07	17
Ppfia4	1.30E-19	0.55987638	0.352	0.055	2.14E-15	17
Fam49b.7	1.50E-10	0.55678035	0.759	0.297	2.47E-06	17
Ifitm6.3	1.97E-15	0.55601161	0.519	0.124	3.24E-11	17
Got1.1	8.58E-18	0.55515134	0.481	0.1	1.41E-13	17
Mical1	1.86E-13	0.54817499	0.296	0.056	3.05E-09	17
Flt3.2	1.04E-15	0.54522023	0.259	0.04	1.71E-11	17
Ikbkb.3	1.23E-14	0.54388181	0.537	0.136	2.03E-10	17
Arl4c.1	3.21E-12	0.54142087	0.407	0.101	5.28E-08	17
Hck.1	3.03E-11	0.54081444	0.37	0.092	4.98E-07	17
Jak2.1	7.94E-18	0.53872782	0.426	0.082	1.31E-13	17

Anpep.1	3.49E-21	0.53421163	0.259	0.03	5.74E-17	17
Card11	1.54E-17	0.53198369	0.389	0.071	2.53E-13	17
Tmem39a.1	6.84E-20	0.52413584	0.315	0.045	1.12E-15	17
Sh3bgrl3.10	3.90E-10	0.52144715	1	0.746	6.42E-06	17
Jaml.1	7.96E-18	0.52134344	0.37	0.065	1.31E-13	17
Cd52.12	2.92E-10	0.5140816	1	0.732	4.81E-06	17
Aif1.3	2.81E-12	0.51100121	0.63	0.197	4.62E-08	17
Sowahc	1.55E-12	0.51026908	0.278	0.053	2.55E-08	17
Fgl2.3	7.62E-12	0.50767808	0.463	0.125	1.25E-07	17
Agpat4.2	7.29E-16	0.50730349	0.407	0.083	1.20E-11	17
Hk2	1.76E-18	0.50662053	0.296	0.043	2.90E-14	17
Ccnd2.5	1.28E-09	0.50576047	0.574	0.202	2.11E-05	17
Nlrp3	5.55E-10	0.50447629	0.352	0.091	9.13E-06	17
Nr4a1.10	2.09E-07	0.50301419	0.926	0.502	0.00343778	17
Atxn10	1.68E-10	0.50089656	0.333	0.082	2.77E-06	17
I830077J02Rik	1.36E-38	0.49968923	0.259	0.017	2.23E-34	17
Tnfaip3.11	7.75E-09	0.4963483	0.741	0.326	0.00012741	17
Zfp593	7.02E-10	0.49492957	0.259	0.058	1.15E-05	17
Gapdh.7	1.76E-10	0.4948492	1	0.711	2.90E-06	17
Actg1.10	6.80E-11	0.49389964	1	0.901	1.12E-06	17
Cyb5r3	4.15E-18	0.49346704	0.444	0.086	6.82E-14	17
Rtn1	6.92E-19	0.49328966	0.259	0.033	1.14E-14	17
Maff	4.14E-13	0.49265285	0.315	0.063	6.82E-09	17
Ccdc88b	3.72E-16	0.49239244	0.352	0.064	6.11E-12	17
Plcb2	2.07E-17	0.49133338	0.259	0.036	3.40E-13	17
Med29	5.09E-10	0.49086919	0.278	0.063	8.37E-06	17
Alcam.2	9.85E-15	0.4897373	0.352	0.069	1.62E-10	17
Nap1l1.7	4.61E-09	0.48792181	0.667	0.258	7.58E-05	17
Rplp0.7	1.70E-12	0.48682242	1	0.903	2.79E-08	17
Cytip.10	5.54E-09	0.48625571	0.759	0.324	9.12E-05	17
Rheb	3.47E-10	0.48529649	0.519	0.163	5.71E-06	17
Mrpl52.3	5.25E-09	0.48409437	0.741	0.315	8.64E-05	17
Stap1	3.19E-10	0.48282909	0.426	0.121	5.25E-06	17
Lpcat2.1	1.92E-17	0.48107441	0.278	0.04	3.16E-13	17
Nfkbib.1	2.13E-06	0.48009768	0.352	0.122	0.03504429	17
Tnfaip8.4	2.13E-09	0.47832335	0.537	0.182	3.51E-05	17
Cotl1.8	7.71E-09	0.47826712	0.815	0.359	0.0001268	17
Ptms.13	5.20E-10	0.47758733	0.741	0.285	8.55E-06	17
Hfe.2	1.62E-12	0.47738005	0.426	0.105	2.66E-08	17
Fam105a.1	4.87E-08	0.47312261	0.389	0.125	0.00080043	17
Pilrb2	7.06E-17	0.47206973	0.278	0.041	1.16E-12	17
Fth1.14	9.79E-10	0.47118748	1	0.958	1.61E-05	17
Plk3	3.95E-14	0.47017239	0.333	0.065	6.50E-10	17

Csrp1.2	1.18E-10	0.46998856	0.296	0.067	1.94E-06	17
Alox5ap.16	2.16E-09	0.469814	0.87	0.394	3.56E-05	17
Ctss.12	1.25E-08	0.46897684	0.944	0.498	0.00020623	17
Cass4.1	3.95E-10	0.46797969	0.296	0.07	6.50E-06	17
Sulf2	6.51E-15	0.45977823	0.444	0.098	1.07E-10	17
H2-Eb1.9	2.22E-15	-1.419768	0.564	0.71	3.65E-11	14
Tbc1d8.2	1.16E-14	0.45721633	0.278	0.046	1.90E-10	17
Gadd45b.13	1.16E-07	0.44629454	0.611	0.248	0.00190922	17
Tmem131	5.54E-10	0.44336666	0.296	0.07	9.11E-06	17
Ctsz.10	9.14E-07	0.4398985	0.741	0.35	0.0150356	17
Dot1l	1.38E-06	0.43926206	0.278	0.086	0.02270737	17
Irf4.1	8.72E-08	0.43257041	0.296	0.083	0.00143412	17
Lsm6.1	1.37E-08	0.43066915	0.481	0.162	0.00022579	17
Tmsb4x.12	4.80E-13	0.43015289	1	0.993	7.89E-09	17
Zeb1	7.95E-13	0.42960526	0.259	0.046	1.31E-08	17
Plscr1	2.08E-11	0.42876822	0.259	0.05	3.42E-07	17
Egr3.1	2.47E-06	0.42403437	0.296	0.095	0.04059967	17
Snx20.4	8.13E-05	0.42116939	0.37	0.165	1	17
Filip1l	1.70E-13	0.42086274	0.37	0.079	2.79E-09	17
Neur13.2	1.20E-09	0.41982243	0.556	0.179	1.97E-05	17
Mkl1.1	3.55E-14	0.41578334	0.352	0.07	5.84E-10	17
Ccnd1.2	1.86E-06	0.4144361	0.37	0.13	0.03056853	17
Soat1	1.76E-09	0.4133604	0.296	0.072	2.90E-05	17
Nfkbie.1	5.03E-08	0.41208074	0.352	0.107	0.00082674	17
Rpl14.11	4.34E-08	0.41175576	0.981	0.785	0.00071432	17
Spint2.2	5.23E-08	0.41114317	0.296	0.081	0.00086072	17
Actb.10	3.77E-10	0.41071831	1	0.993	6.20E-06	17
Atp6v0e.2	9.81E-07	0.41029022	0.796	0.385	0.0161374	17
H2-Aa.11	3.83E-19	-1.4208063	0.361	0.748	6.30E-15	15
Klrd1.1	1.90E-09	0.40718481	0.278	0.065	3.13E-05	17
Isy1	1.23E-07	0.40176753	0.333	0.1	0.00202842	17
Coq10b	7.04E-07	0.40081135	0.352	0.116	0.01158436	17
Nceh1	5.72E-14	0.39960745	0.278	0.048	9.40E-10	17
Tmed5.1	1.28E-06	0.39887891	0.444	0.171	0.02097395	17
Arf6.5	7.36E-09	0.39821445	0.648	0.243	0.00012099	17
Osgep	1.90E-10	0.39605052	0.333	0.081	3.12E-06	17
Abi3	1.14E-15	0.39604059	0.333	0.059	1.88E-11	17
Cbfa2t3.4	2.70E-11	0.39292915	0.519	0.15	4.44E-07	17
Pim1.9	1.78E-05	0.39219138	0.778	0.447	0.29280553	17
Man2b1.12	4.75E-07	0.39153367	0.685	0.296	0.00781699	17
Nedd8	3.00E-08	0.39094852	0.704	0.283	0.00049302	17
Uqcc2.2	1.76E-06	0.38984754	0.444	0.169	0.02900401	17
Gabarapl2.3	1.36E-07	0.38940615	0.556	0.214	0.00223854	17

Tuba1c.2	3.96E-10	0.38757178	0.556	0.178	6.52E-06	17
Rnase6.1	4.55E-12	0.38671714	0.407	0.099	7.48E-08	17
Wdr1.2	1.19E-06	0.38603277	0.611	0.26	0.01964903	17
Ckb.5	7.14E-09	0.38239304	0.63	0.232	0.00011747	17
Crtc3	2.37E-10	0.38091093	0.296	0.067	3.90E-06	17
Rbm17.2	8.87E-06	0.37926813	0.315	0.111	0.14589017	17
Tgif1.2	1.60E-08	0.37538975	0.426	0.133	0.00026334	17
Tgfb1.6	8.73E-07	0.3753823	0.741	0.325	0.01435405	17
Btg2.11	5.72E-05	0.3736086	0.907	0.669	0.94036898	17
Ms4a6c.4	4.75E-09	0.37138149	0.63	0.226	7.81E-05	17
Arf4.3	6.75E-06	0.36373753	0.519	0.22	0.11105828	17
Myh9.10	0.00021314	0.36227042	0.815	0.5	1	17
Crlf2	2.31E-05	0.36189775	0.444	0.188	0.38022627	17
Pip5k1c	6.11E-08	0.36169425	0.278	0.073	0.00100561	17
Khk	8.55E-13	0.36114427	0.259	0.045	1.41E-08	17
Atpif1.15	4.51E-06	0.36013618	0.685	0.312	0.07412607	17
Apbb1ip.3	1.20E-09	0.35761347	0.593	0.2	1.97E-05	17
Cd300a.1	2.24E-09	0.35720576	0.333	0.085	3.68E-05	17
Myl12a.4	1.04E-05	0.35693235	0.741	0.391	0.17163793	17
Ece1.1	2.23E-12	0.35145977	0.259	0.047	3.67E-08	17
Sf3b1.1	2.44E-07	0.34973654	0.722	0.305	0.00402167	17
Rbbp7.1	2.13E-06	0.34701873	0.389	0.139	0.03508586	17
Rnaset2a.7	1.16E-06	0.34519001	0.648	0.276	0.01909203	17
Rel.12	7.96E-07	0.34471587	0.648	0.278	0.01309914	17
Fes	1.47E-07	0.34413725	0.315	0.091	0.00241486	17
Rtraf.3	1.10E-07	0.34412639	0.667	0.264	0.00180429	17
Glipr1	3.85E-11	0.34362913	0.315	0.069	6.33E-07	17
Cd72.1	7.16E-12	0.3422271	0.37	0.085	1.18E-07	17
Pcbp1	8.58E-05	0.34136454	0.685	0.339	1	17
Dapp1	2.58E-08	0.33986138	0.278	0.071	0.00042391	17
lfrd1.4	0.00076879	0.33971777	0.463	0.238	1	17
Tyropb.14	5.03E-06	0.33833201	0.981	0.605	0.08271251	17
Exosc5	3.25E-07	0.33556686	0.296	0.085	0.00535095	17
Ube2f	3.64E-09	0.33539449	0.352	0.094	5.99E-05	17
Srsf7.1	2.47E-05	0.33535751	0.481	0.214	0.40694869	17
Myo1f.2	1.96E-05	0.33421326	0.333	0.125	0.32244856	17
Tmem14c.2	1.18E-07	0.32904939	0.5	0.176	0.00194319	17
Rassf5	5.10E-10	0.32832868	0.333	0.082	8.38E-06	17
Fem1c	1.97E-07	0.32679417	0.278	0.076	0.00323765	17
Mrpl30	0.00351706	0.32645311	0.389	0.207	1	17
Cd24a.5	2.68E-09	0.32417036	0.444	0.134	4.41E-05	17
Sf3a2	3.98E-07	0.32393671	0.278	0.078	0.00655005	17
Snx10	5.21E-09	0.32294897	0.278	0.066	8.57E-05	17

Mgl2.12	1.60E-05	0.31971126	0.537	0.244	0.26283822	17
Gtf2b	0.00017846	0.31691089	0.259	0.095	1	17
H2afy.9	1.77E-06	0.31595188	0.593	0.25	0.02906058	17
Rps27a.6	2.91E-06	0.31589189	1	0.936	0.04791763	17
Myl12b.8	2.28E-05	0.31512274	0.87	0.505	0.374932	17
Prdx6.3	2.25E-05	0.3117741	0.444	0.181	0.36965172	17
Slc25a4	9.90E-07	0.31137254	0.315	0.098	0.01627932	17
Pgam1.3	2.58E-05	0.31127055	0.389	0.156	0.42470255	17
Clic4.13	0.00044488	0.30970853	0.5	0.25	1	17
Dock10.3	2.49E-07	0.30759152	0.537	0.2	0.00410391	17
Rpl29.7	5.47E-06	0.30754446	1	0.856	0.0900547	17
Rab11fip1.1	4.55E-08	0.30714767	0.259	0.065	0.00074806	17
Cdc42.4	7.76E-05	0.30677445	0.944	0.535	1	17
Eif4g3	4.37E-06	0.30635264	0.37	0.134	0.07190374	17
Gpx1.15	6.02E-06	0.3055675	0.981	0.71	0.0989799	17
Cd86.1	5.64E-08	0.30518345	0.333	0.095	0.00092807	17
Eef1b2.7	0.00026458	0.30372796	0.926	0.668	1	17
Irf5.4	1.36E-07	0.30301078	0.481	0.165	0.00223001	17
Rbmxl1	1.31E-07	0.30115647	0.278	0.075	0.00215592	17
Dennd4a.5	5.69E-05	0.30036581	0.519	0.242	0.93556741	17
Nuak2	8.94E-10	0.29958901	0.259	0.056	1.47E-05	17
Rsu1	1.33E-08	0.29957336	0.333	0.09	0.00021828	17
Gpsm3.2	9.06E-06	0.29743942	0.5	0.207	0.14905925	17
Pdlim5	3.90E-06	0.29666972	0.259	0.079	0.0642317	17
Mpc1	1.12E-05	0.29657921	0.481	0.198	0.18373353	17
Ly86.11	3.50E-06	0.29587277	0.704	0.316	0.05755456	17
Rpl6.7	1.32E-05	0.29578203	1	0.896	0.21660496	17
Tm2d2	1.16E-08	0.29564545	0.426	0.129	0.00019139	17
Tpm4.6	2.51E-05	0.29529637	0.537	0.242	0.4124599	17
Rpl28.7	1.48E-06	0.29487565	1	0.913	0.0243582	17
Rnh1.1	0.00024568	0.2942216	0.37	0.159	1	17
Ap3b1	5.33E-05	0.29373025	0.296	0.109	0.87652546	17
Ubl5	0.00100964	0.29369187	0.685	0.392	1	17
Rpl39.9	5.28E-06	0.29335474	1	0.889	0.08689849	17
Tbrg1.1	0.00028466	0.29323815	0.259	0.099	1	17
Uqcrb.1	2.31E-05	0.29028027	0.611	0.279	0.38052864	17
Acsf5	1.61E-06	0.29023246	0.278	0.083	0.02656014	17
Traf1.4	5.02E-09	0.29000944	0.463	0.142	8.26E-05	17
Rin3	1.15E-06	0.28994892	0.278	0.082	0.01899475	17
Eef1a1.11	9.38E-08	0.28943359	1	0.98	0.00154284	17
Erp44.1	4.31E-07	0.28865788	0.315	0.095	0.00709228	17
Litaf.8	4.15E-06	0.28764994	0.611	0.261	0.06820071	17
Fgr.1	7.98E-11	0.28740366	0.296	0.064	1.31E-06	17

Tma7.4	5.31E-05	0.28725191	0.667	0.334	0.8733036	17
Ncf2.2	1.73E-08	0.28628566	0.519	0.172	0.00028459	17
Lamtor1.1	2.99E-06	0.28492103	0.5	0.196	0.04921555	17
Sbds	3.60E-06	0.28223935	0.296	0.094	0.05926887	17
Itgb2.11	3.34E-06	0.28182669	0.611	0.265	0.05498611	17
Rps26.11	2.31E-05	0.28125554	1	0.934	0.37989174	17
Dnaja1.5	4.17E-07	0.28051382	0.63	0.254	0.00685834	17
H2-DMb2	1.07E-114	-1.4209558	0.023	0.297	1.76E-110	0
Gsto1	4.29E-07	0.27983481	0.296	0.086	0.00705263	17
Bri3bp.3	1.91E-07	0.27941659	0.389	0.124	0.00314272	17
C1qbp.1	4.62E-08	0.27941281	0.426	0.135	0.00075976	17
Psme1.9	1.23E-05	0.27765402	0.815	0.401	0.20194676	17
Rps5.8	2.29E-06	0.27596199	1	0.962	0.03770849	17
Myo1g.4	2.85E-05	0.27534611	0.389	0.155	0.46892459	17
Fryl	2.17E-06	0.2732954	0.296	0.093	0.03566795	17
Sh3bgrl.2	0.0039863	0.27013446	0.352	0.185	1	17
Fam46a	0.00294324	0.26936592	0.278	0.129	1	17
Chd7.1	0.00058545	0.2690473	0.278	0.115	1	17
Rpl35.6	2.18E-05	0.26867288	0.981	0.924	0.35842833	17
Erh.3	0.00012495	0.2677282	0.537	0.256	1	17
Eif3k.5	0.00139754	0.26681222	0.741	0.44	1	17
Arc4.6	0.00013983	0.26644913	0.685	0.34	1	17
Tob2.1	0.00065245	0.26596482	0.389	0.178	1	17
Mrps18a	8.39E-08	0.26585829	0.278	0.073	0.00138064	17
Gpr183.1	3.03E-06	0.26516605	0.352	0.121	0.04991137	17
Pabpc1.5	0.00040111	0.26438268	0.963	0.632	1	17
Snap23	3.06E-07	0.26362306	0.333	0.1	0.0050277	17
Rpl10-ps3.5	6.97E-05	0.2620118	0.981	0.893	1	17
Pde4b.12	1.10E-05	0.26119611	0.833	0.415	0.18149202	17
Adprh	1.80E-06	0.26096354	0.296	0.092	0.02956736	17
Serf2.11	0.0005313	0.26058325	0.963	0.76	1	17
Polr2g	4.51E-08	0.2600397	0.333	0.093	0.00074205	17
Actr3.5	0.00194117	0.25689306	0.833	0.523	1	17
Rpl37.6	0.00014385	0.25664658	1	0.929	1	17
Hint2	1.56E-05	0.25663582	0.259	0.083	0.25609521	17
Acp5	2.04E-08	0.25483643	0.333	0.091	0.00033498	17
Cox5a.6	0.0001375	0.25121848	0.741	0.378	1	17
Atp5e.7	0.00070739	0.25087353	0.926	0.621	1	17
Atp6v1g1.6	7.98E-05	0.25078307	0.611	0.29	1	17
Nme2.5	0.00030751	0.2503245	0.889	0.549	1	17
mt-Co3.6	0.00138381	-0.2528124	0.981	0.975	1	17
mt-Co1.4	0.00024536	-0.2724281	0.981	0.989	1	17
mt-Cytb.6	0.00099925	-0.3108607	0.963	0.937	1	17

mt-Atp8.13	0.00065587	-0.3539006	0.944	0.929	1	17
mt-Nd2.8	0.0095575	-0.3684645	0.852	0.797	1	17
Ubb.4	0.00127142	-0.3975289	0.907	0.874	1	17
Eif1.2	4.51E-05	-0.430277	0.944	0.872	0.74109652	17
mt-Atp6.4	0.00111041	-0.4380774	0.87	0.796	1	17
H3f3b.6	0.00011812	-0.4929191	0.981	0.901	1	17
H2-DMb2.2	2.26E-53	-1.4392717	0	0.266	3.71E-49	3
Gm42418.5	0.00021714	-0.5488926	1	1	1	17
mt-Nd4.8	0.00048784	-0.6068523	0.778	0.702	1	17
H2-Aa.10	2.98E-19	-1.4810391	0.536	0.746	4.91E-15	14
Foxp1.10	0.00954781	-0.7667292	0.13	0.267	1	17
H2-DMb1.10	1.10E-19	-1.4908141	0.016	0.336	1.80E-15	12
Jund.12	0.00097245	-0.8283655	0.722	0.682	1	17
Zfp36l1.12	0.00070961	-0.8701322	0.407	0.529	1	17
Zfp36l2.7	0.00627303	-0.873381	0.259	0.381	1	17
Itm2b.14	8.28E-05	-0.90895	0.907	0.787	1	17
Shisa5.12	0.0042999	-0.9591256	0.389	0.452	1	17
Neat1.14	0.00577507	-0.9625705	0.185	0.328	1	17
Serinc3.13	0.00343326	-0.9998493	0.222	0.358	1	17
Emp3.10	5.04E-05	-1.0981606	0.222	0.435	0.82917459	17
Lgals1.13	0.00084536	-1.1144339	0.241	0.404	1	17
Ehd4.14	0.00010119	-1.117307	0.037	0.268	1	17
Ptprcap.15	0.00072521	-1.1349167	0.074	0.266	1	17
Cd81.8	2.08E-05	-1.1594951	0.019	0.287	0.34295527	17
Marcksl1.14	0.00096754	-1.2367145	0.278	0.436	1	17
Mafb.15	0.00017441	-1.2768068	0.037	0.265	1	17
Ctsd.14	7.41E-05	-1.2821287	0.056	0.292	1	17
Klf6.12	4.97E-05	-1.3049185	0.389	0.531	0.81741939	17
Cd37.12	1.02E-05	-1.3770836	0.056	0.332	0.16832719	17
Csf1r.16	0.0006101	-1.3827135	0.148	0.334	1	17
Ly6d.14	0.00386167	-1.3886069	0.167	0.309	1	17
Pltp.16	0.00177625	-1.3888102	0.185	0.338	1	17
Cd14.16	0.00012652	-1.4273769	0.037	0.262	1	17
Cebpb.15	2.49E-05	-1.4385886	0.074	0.331	0.40957382	17
Ifi27l2a.14	8.30E-05	-1.474886	0.185	0.404	1	17
Ahnak.11	3.57E-08	-1.4776196	0.222	0.549	0.00058649	17
Klf4.13	0.00069471	-1.590648	0.222	0.376	1	17
Ighm.13	0.00952486	-1.6055957	0.352	0.415	1	17
F13a1.15	1.86E-05	-1.7068654	0.019	0.281	0.30580192	17
Mrc1.16	1.22E-05	-1.7112039	0.037	0.308	0.20104177	17
Klf2.14	5.45E-10	-1.7568168	0.204	0.597	8.96E-06	17
Ccl6.16	2.33E-05	-1.8000569	0.185	0.414	0.38257487	17
Cd79a.15	0.00018842	-2.0116155	0.037	0.253	1	17

Selenop.16	3.16E-06	-2.0952587	0.13	0.418	0.05190432	17
Lyz2.16	0.00038261	-2.1473486	0.537	0.555	1	17
Ccl2.16	1.70E-05	-2.1803498	0.019	0.283	0.28003902	17
C1qc.16	1.72E-05	-2.4276858	0.074	0.336	0.28323831	17
Pf4.17	1.24E-05	-2.4290876	0.037	0.308	0.20328242	17
C1qa.16	1.33E-06	-2.5517133	0.019	0.332	0.02183605	17
C1qb.16	2.37E-06	-2.7094229	0.056	0.354	0.03903373	17
Apoe.15	9.17E-09	-3.4798269	0.093	0.473	0.00015086	17
Nr1h3	0	1.32972196	0.571	0.003	0	18
Colq	0	0.87251309	0.286	0	0	18
H2-Ab1.11	1.89E-17	-1.4964819	0.361	0.713	3.10E-13	15
Cxcl9	3.52E-146	1.48571507	0.486	0.01	5.79E-142	18
Il18bp	2.31E-133	1.22945976	0.429	0.008	3.79E-129	18
Hebp1	1.81E-127	1.26251657	0.514	0.013	2.97E-123	18
Cxcl13	5.08E-111	3.33628147	0.714	0.032	8.36E-107	18
Mmp14	1.93E-104	0.85076301	0.371	0.008	3.17E-100	18
Fabp5.1	3.13E-101	2.7005716	0.971	0.068	5.14E-97	18
C3	4.33E-97	2.34137886	0.714	0.037	7.12E-93	18
Phyhd1	8.66E-78	0.56979535	0.257	0.005	1.42E-73	18
Dnase1l3	5.62E-67	1.28341966	0.429	0.018	9.25E-63	18
Fam26f	6.78E-65	1.14318311	0.486	0.024	1.12E-60	18
Gdf15	8.28E-62	1.78992136	0.4	0.017	1.36E-57	18
Vcam1	9.26E-56	1.13169385	0.629	0.045	1.52E-51	18
Cxcl16.3	6.46E-46	1.44103116	0.857	0.108	1.06E-41	18
Apobec1	7.73E-43	1.33849131	0.714	0.077	1.27E-38	18
Acp2	1.93E-42	0.91354324	0.543	0.044	3.18E-38	18
Snx24	8.07E-38	0.59569147	0.286	0.014	1.33E-33	18
Lag3.1	1.58E-36	0.77152334	0.343	0.021	2.60E-32	18
Fam20c	1.79E-34	0.80920567	0.314	0.019	2.94E-30	18
Aif1.4	4.16E-34	1.46040562	0.971	0.197	6.84E-30	18
Cd63.3	3.21E-31	1.64159674	0.943	0.208	5.29E-27	18
Fcgr4	4.43E-31	0.83454794	0.343	0.025	7.29E-27	18
Slamf8	1.35E-30	0.87201672	0.457	0.044	2.22E-26	18
Ccl8.2	2.03E-30	2.91699341	0.8	0.158	3.34E-26	18
Anpep.2	2.80E-30	0.90789699	0.371	0.03	4.60E-26	18
Rgs1.3	4.49E-30	0.8803081	0.771	0.114	7.38E-26	18
Ms4a7.1	1.44E-29	1.34480368	0.771	0.124	2.37E-25	18
Acp5.1	1.54E-29	1.07368323	0.657	0.09	2.53E-25	18
Pla2g7.2	6.44E-29	1.17264556	0.743	0.117	1.06E-24	18
Cd300c2.2	1.28E-27	1.13794528	0.629	0.09	2.11E-23	18
Tmem86a	2.77E-27	0.67777003	0.371	0.032	4.56E-23	18
Tspan3.1	4.40E-27	0.96703922	0.629	0.089	7.24E-23	18
C1qb.17	6.48E-27	1.57635739	1	0.35	1.07E-22	18

Pla2g2d.1	1.89E-26	1.48957421	0.571	0.081	3.11E-22	18
Pdlim4	4.33E-26	0.80131521	0.371	0.034	7.12E-22	18
C1qa.17	1.57E-25	1.53355004	1	0.327	2.58E-21	18
Lgals3bp	2.76E-25	1.02569331	0.686	0.11	4.54E-21	18
Rab20	2.72E-24	0.8386477	0.486	0.059	4.47E-20	18
Aoah	4.96E-24	0.64887096	0.4	0.041	8.16E-20	18
Pld3	1.67E-23	1.08341507	0.657	0.11	2.74E-19	18
Slc25a33	2.12E-23	0.70341967	0.314	0.028	3.48E-19	18
Ctsz.11	2.85E-23	1.38868836	1	0.35	4.70E-19	18
Creb5	6.59E-23	0.52048931	0.286	0.023	1.08E-18	18
Axl	7.44E-23	0.82131833	0.429	0.05	1.22E-18	18
C1qc.17	1.85E-22	1.3587679	1	0.331	3.05E-18	18
Lpcat2.2	1.10E-21	0.64306454	0.371	0.04	1.81E-17	18
Tmem37	3.02E-21	0.80455633	0.314	0.03	4.97E-17	18
Il1rn	6.55E-21	0.71887856	0.286	0.026	1.08E-16	18
Ctss.13	1.09E-20	1.56005514	0.971	0.499	1.80E-16	18
Tnfaip2.1	1.11E-20	0.74956966	0.4	0.049	1.82E-16	18
Tnfsf13.1	1.33E-20	1.00306793	0.457	0.064	2.18E-16	18
Plbd2	2.13E-20	0.77420412	0.486	0.069	3.50E-16	18
Slamf7.5	2.98E-20	0.94305429	0.657	0.125	4.91E-16	18
Psap.14	4.13E-20	1.37981908	1	0.675	6.80E-16	18
Stard9	2.85E-19	0.5828673	0.314	0.033	4.70E-15	18
Lst1.2	8.65E-19	0.79574831	0.8	0.175	1.42E-14	18
Tmem106a.1	1.57E-18	0.91158302	0.571	0.103	2.59E-14	18
Tspan4	1.69E-18	0.58931027	0.286	0.029	2.78E-14	18
Lamp1.15	2.16E-18	1.1073268	1	0.412	3.55E-14	18
Fscn1.1	2.53E-18	0.32928727	0.257	0.024	4.16E-14	18
Atp6v0c.11	4.97E-18	1.16729414	1	0.421	8.18E-14	18
Acvrl1	5.14E-18	0.64159449	0.371	0.047	8.45E-14	18
H2-DMb1.8	1.85E-31	-1.5066531	0.007	0.341	3.05E-27	10
P2rx4	7.08E-18	0.71808586	0.6	0.109	1.16E-13	18
Itgax.1	7.15E-18	0.88648561	0.429	0.064	1.18E-13	18
Mitf	1.02E-17	0.5384512	0.286	0.03	1.67E-13	18
Rasa4	1.10E-17	0.83110197	0.486	0.08	1.81E-13	18
Bcl2a1a.3	1.35E-17	0.7336078	0.457	0.07	2.23E-13	18
Ctsb.16	2.52E-17	1.33403402	1	0.474	4.15E-13	18
Tmem176a.12	6.10E-17	1.15300267	0.914	0.331	1.00E-12	18
Mtmr10	8.81E-17	0.53694196	0.257	0.026	1.45E-12	18
Sirpa.3	1.20E-16	1.01994458	0.743	0.185	1.97E-12	18
Ninj1.8	1.51E-16	0.94596912	0.857	0.24	2.48E-12	18
Il4i1.1	1.80E-16	0.50652642	0.286	0.032	2.96E-12	18
Cstb.10	2.25E-16	1.23064915	0.829	0.255	3.70E-12	18
Cd68.13	2.32E-16	1.09949279	0.857	0.269	3.82E-12	18

Fth1.15	2.53E-16	1.19677364	1	0.958	4.17E-12	18
Ccrl2.1	3.79E-16	1.62081887	0.429	0.075	6.24E-12	18
Cd302	3.91E-16	0.88437438	0.514	0.095	6.44E-12	18
Itm2c.3	4.05E-16	0.77355263	0.829	0.207	6.66E-12	18
Cd300ld3	4.75E-16	0.6598629	0.314	0.039	7.82E-12	18
Rnf149.1	5.12E-16	0.82749727	0.543	0.102	8.43E-12	18
Ppt2	8.46E-16	0.59448241	0.343	0.046	1.39E-11	18
H2-DMa.7	2.81E-25	-1.5076644	0.038	0.435	4.63E-21	12
Cebpa	1.77E-15	0.79929059	0.457	0.079	2.90E-11	18
Lgmn.15	1.97E-15	0.86825163	0.943	0.276	3.23E-11	18
Camk1.1	2.24E-15	0.64575184	0.514	0.094	3.68E-11	18
Slc15a3	2.43E-15	0.56551879	0.314	0.04	4.00E-11	18
Anxa4.1	2.96E-15	0.80254936	0.429	0.072	4.87E-11	18
Fam213b	3.70E-15	0.76647743	0.429	0.071	6.09E-11	18
Ccl12.1	4.51E-15	0.66306104	0.543	0.107	7.43E-11	18
Cd74.13	5.71E-15	0.89521236	0.971	0.826	9.39E-11	18
Amdhd2	6.81E-15	0.48822274	0.343	0.047	1.12E-10	18
Clic4.14	7.17E-15	0.75696018	0.886	0.249	1.18E-10	18
Clec4a3.1	1.28E-14	0.86661373	0.543	0.114	2.11E-10	18
Csf2rb.4	1.87E-14	0.83222816	0.571	0.122	3.07E-10	18
Pirb.2	1.91E-14	0.70079089	0.6	0.129	3.14E-10	18
Il11ra1	2.80E-14	0.56188166	0.286	0.036	4.61E-10	18
Hpgds	3.55E-14	0.68520854	0.343	0.05	5.84E-10	18
Cyba.8	3.65E-14	0.91068435	1	0.716	6.00E-10	18
St8sia6	4.27E-14	0.68371837	0.286	0.038	7.02E-10	18
Gngt2.2	4.85E-14	0.77032717	0.514	0.103	7.98E-10	18
Cd81.9	5.74E-14	0.93955967	0.886	0.283	9.44E-10	18
Cxcl10	6.20E-14	1.39920542	0.286	0.039	1.02E-09	18
H2-Eb1.10	5.47E-18	-1.5260358	0.351	0.713	8.99E-14	15
Bcl2a1b.6	8.88E-14	0.87689715	0.714	0.197	1.46E-09	18
Lgals3.16	9.70E-14	1.30839941	0.886	0.347	1.60E-09	18
Lyz2.17	1.34E-13	0.97062645	1	0.553	2.21E-09	18
Efhd2.13	2.26E-13	0.6971195	0.943	0.293	3.72E-09	18
Syngt2.11	2.29E-13	0.86382014	0.8	0.245	3.76E-09	18
Lair1	2.58E-13	0.48233118	0.343	0.052	4.24E-09	18
Sdc3.3	3.09E-13	0.77086243	0.657	0.168	5.08E-09	18
Litaf.9	3.17E-13	0.7616962	0.857	0.261	5.21E-09	18
Slc11a1	3.36E-13	0.60766466	0.4	0.069	5.52E-09	18
Basp1.3	3.58E-13	0.72175356	0.429	0.08	5.89E-09	18
Slc31a2	5.03E-13	0.46929026	0.257	0.033	8.27E-09	18
Itm2b.15	7.00E-13	0.95318978	1	0.786	1.15E-08	18
Tmem176b.13	8.04E-13	1.07437559	0.914	0.437	1.32E-08	18
Fcgr3.4	1.40E-12	0.75964852	0.771	0.224	2.30E-08	18

Ifrd1.5	1.70E-12	0.89512658	0.771	0.238	2.79E-08	18
Pim3	2.10E-12	0.50596553	0.429	0.081	3.46E-08	18
Abcg1	2.13E-12	0.55959438	0.371	0.064	3.51E-08	18
Mpeg1.4	2.71E-12	0.72313043	0.714	0.201	4.45E-08	18
Anxa3.1	3.78E-12	0.64852412	0.371	0.066	6.21E-08	18
Ctsd.15	4.10E-12	0.86984413	0.857	0.288	6.75E-08	18
Naxe	4.90E-12	0.52548147	0.457	0.093	8.06E-08	18
Rogdi.2	5.68E-12	0.6064491	0.371	0.067	9.35E-08	18
Cd300ld	6.46E-12	0.45803867	0.371	0.065	1.06E-07	18
Wfdc17.14	7.24E-12	0.93408236	0.886	0.327	1.19E-07	18
Fam46a.1	1.09E-11	0.67337909	0.543	0.128	1.80E-07	18
Clec4n.1	1.17E-11	0.57088507	0.4	0.076	1.92E-07	18
Grn.13	1.36E-11	0.75066221	0.943	0.374	2.23E-07	18
Ftl1.14	1.83E-11	0.89665357	1	0.89	3.01E-07	18
Vamp5	1.97E-11	0.41030655	0.257	0.036	3.24E-07	18
Plxnb2	2.29E-11	0.53395876	0.486	0.106	3.76E-07	18
Gda.2	3.37E-11	0.63552114	0.514	0.121	5.54E-07	18
Ctsa.14	3.53E-11	0.66903932	0.857	0.282	5.80E-07	18
Tpd52.1	4.07E-11	0.47054553	0.629	0.159	6.69E-07	18
Nagk	4.20E-11	0.5917922	0.314	0.054	6.91E-07	18
Aldh3b1	4.72E-11	0.50691003	0.286	0.045	7.76E-07	18
Pltp.17	6.75E-11	0.78389335	0.914	0.334	1.11E-06	18
Cndp2.1	7.36E-11	0.5462483	0.543	0.132	1.21E-06	18
Polb	7.96E-11	0.34756735	0.314	0.053	1.31E-06	18
Fcgr2b.10	8.77E-11	0.86233479	0.8	0.276	1.44E-06	18
Relb.1	9.02E-11	0.58514064	0.429	0.093	1.48E-06	18
Tank.1	1.25E-10	0.41778011	0.343	0.063	2.06E-06	18
Nfe2l2.3	1.30E-10	0.79206036	0.629	0.19	2.13E-06	18
Daglb	1.70E-10	0.45339457	0.371	0.072	2.80E-06	18
Fgr.2	2.41E-10	0.39813375	0.343	0.064	3.96E-06	18
Scarb2	3.71E-10	0.68176229	0.486	0.121	6.10E-06	18
Insig1	4.36E-10	0.33705379	0.257	0.04	7.17E-06	18
Ldlr	5.06E-10	0.52063119	0.286	0.05	8.33E-06	18
Mrpl13	5.50E-10	0.47705888	0.314	0.058	9.04E-06	18
Cd300a.2	6.92E-10	0.471974	0.4	0.086	1.14E-05	18
Oxct1	8.76E-10	0.69393664	0.486	0.126	1.44E-05	18
Lmna.4	8.86E-10	0.71563143	0.657	0.21	1.46E-05	18
Plbd1.9	8.87E-10	0.67526338	0.714	0.238	1.46E-05	18
0610012G03R	9.83E-10	0.5181525	0.457	0.109	1.62E-05	18
Echs1	9.89E-10	0.45746428	0.286	0.05	1.63E-05	18
Rab7b.1	1.05E-09	0.63807947	0.4	0.09	1.72E-05	18
Edem2.1	1.19E-09	0.49660433	0.314	0.06	1.95E-05	18
Mafb.16	1.35E-09	0.56830122	0.771	0.261	2.22E-05	18

Anxa5.11	1.47E-09	0.92454196	0.829	0.34	2.41E-05	18
Clec4a1.2	1.59E-09	0.47687206	0.486	0.118	2.62E-05	18
Serpina3g	1.61E-09	0.51679946	0.286	0.051	2.65E-05	18
Rps7.8	1.76E-09	-0.8917569	0.943	0.941	2.90E-05	18
Hexa.13	1.77E-09	0.61277767	0.8	0.289	2.92E-05	18
H2-DMa.6	2.53E-42	-1.6102898	0.02	0.442	4.15E-38	10
Strn4	1.97E-09	0.34430991	0.286	0.051	3.24E-05	18
Timp2.2	2.15E-09	0.39698533	0.686	0.2	3.54E-05	18
Slc3a2.3	2.25E-09	0.53553752	0.686	0.215	3.71E-05	18
Rilpl2.3	2.97E-09	0.56673309	0.686	0.215	4.89E-05	18
Ftl1-ps1.1	3.32E-09	0.60512747	0.486	0.127	5.46E-05	18
Rps14.4	3.41E-09	-0.7958691	0.886	0.93	5.61E-05	18
Cfp.15	3.45E-09	0.66078666	0.829	0.309	5.68E-05	18
Stat1.4	3.62E-09	0.64921244	0.571	0.169	5.96E-05	18
Klhdc3	4.02E-09	0.47014974	0.257	0.044	6.61E-05	18
Nfil3.3	4.11E-09	0.60712149	0.429	0.105	6.75E-05	18
Rpl13.8	4.19E-09	-0.7256345	1	0.981	6.89E-05	18
Rpl8.9	4.27E-09	-0.8908199	1	0.916	7.02E-05	18
Unc93b1.8	4.84E-09	0.6633677	1	0.461	7.97E-05	18
Dhrs1	4.92E-09	0.49731713	0.314	0.063	8.09E-05	18
Tpt1.3	5.69E-09	-0.6095801	0.971	0.983	9.36E-05	18
Tcirg1	6.12E-09	0.45047078	0.343	0.072	0.00010063	18
Rpl36.9	6.15E-09	-0.8426767	0.943	0.899	0.00010119	18
Rpsa.11	6.20E-09	-0.9483737	1	0.935	0.00010194	18
Rps15a.10	6.21E-09	-0.8303881	0.971	0.95	0.00010215	18
Frmd4b	6.74E-09	0.48664041	0.4	0.093	0.00011084	18
Npc2.13	6.82E-09	0.64883058	0.943	0.51	0.00011214	18
Med29.1	7.11E-09	0.42952345	0.314	0.063	0.00011695	18
Coro1b.4	8.08E-09	0.57773553	0.714	0.242	0.00013295	18
Akr1a1.11	9.29E-09	0.6028249	0.857	0.35	0.00015283	18
Rps3a1.8	9.39E-09	-0.7025645	0.971	0.964	0.00015448	18
Igsf6	1.02E-08	0.30101749	0.286	0.053	0.00016736	18
Fcer1g.14	1.23E-08	0.68795985	1	0.575	0.00020176	18
Cd38.1	1.27E-08	0.35485633	0.457	0.113	0.00020932	18
Gm5617	1.30E-08	0.52114048	0.257	0.047	0.00021403	18
Rgs10.12	1.31E-08	0.53380415	0.771	0.273	0.00021532	18
Atox1.17	1.36E-08	0.64115237	0.943	0.454	0.00022314	18
Dctn2	1.36E-08	0.39222051	0.4	0.094	0.00022363	18
Il1b.11	1.39E-08	0.76314776	0.657	0.243	0.00022924	18
Rps5.9	1.40E-08	-0.7180959	0.971	0.962	0.0002309	18
Lrp1.2	1.43E-08	0.61077989	0.486	0.131	0.00023589	18
Cd14.17	1.46E-08	0.45265827	0.771	0.258	0.00024014	18
Iscu.2	1.50E-08	0.56748951	0.6	0.189	0.00024643	18

Mdfic.1	1.52E-08	0.63822568	0.343	0.076	0.00025066	18
Sat1.11	1.86E-08	0.68372455	0.829	0.337	0.00030604	18
Pgap2.1	2.03E-08	0.4474151	0.257	0.047	0.00033368	18
Cxcr4	2.03E-08	0.29916154	0.343	0.074	0.00033371	18
Rps16.6	2.05E-08	-0.673069	1	0.974	0.00033693	18
Glul.2	2.08E-08	0.2772681	0.714	0.22	0.00034198	18
H2-Aa.4	7.11E-153	-1.709995	0.343	0.781	1.17E-148	4
Gbp2	2.14E-08	0.92227799	0.257	0.05	0.00035192	18
Rps27.11	2.16E-08	-0.9361819	0.914	0.902	0.00035453	18
1-Mar	2.31E-08	0.28823819	0.314	0.064	0.00037929	18
Abhd12.1	2.95E-08	0.48761765	0.486	0.131	0.00048513	18
Bcat2	2.95E-08	0.44642808	0.286	0.058	0.0004857	18
Vim.14	3.01E-08	0.74224957	1	0.62	0.00049588	18
Plk2	3.03E-08	0.27749218	0.286	0.056	0.00049824	18
Sash1	3.68E-08	0.30685867	0.343	0.075	0.00060494	18
P2ry6.1	3.70E-08	0.56565703	0.429	0.113	0.00060893	18
App.11	4.08E-08	0.55831416	0.743	0.272	0.00067147	18
Herpud1.5	4.12E-08	0.44943825	0.6	0.184	0.0006773	18
Gm36161.1	4.17E-08	0.47121344	0.371	0.088	0.00068526	18
Hexb.1	4.57E-08	0.52381108	0.514	0.147	0.00075167	18
Pld4.12	4.91E-08	0.57247114	0.829	0.323	0.00080843	18
Ly86.12	4.99E-08	0.64159741	0.8	0.316	0.00082027	18
Filip1l.1	5.11E-08	0.52539309	0.343	0.079	0.00084006	18
Fau.5	5.14E-08	-0.5392261	1	0.992	0.00084539	18
Gns.2	5.37E-08	0.62287973	0.514	0.156	0.0008831	18
Leprot	5.46E-08	0.49085323	0.371	0.09	0.00089735	18
Asah1.2	5.76E-08	0.4275238	0.543	0.159	0.00094811	18
Myo5a.1	5.83E-08	0.3687937	0.457	0.121	0.00095946	18
Ifngr2	6.20E-08	0.47897033	0.371	0.09	0.00101982	18
AW112010.12	6.21E-08	0.25174727	0.743	0.259	0.00102106	18
Myof	7.06E-08	0.61280958	0.343	0.083	0.00116196	18
Rabep1	8.19E-08	0.33258968	0.343	0.078	0.00134774	18
Gpr137b.1	8.41E-08	0.40730085	0.257	0.05	0.00138347	18
Rpl37a.3	8.56E-08	-0.7122636	0.886	0.94	0.00140779	18
Clec4a2.2	8.77E-08	0.41459669	0.457	0.124	0.00144323	18
Csf2ra.6	8.84E-08	0.50789813	0.486	0.144	0.00145337	18
Batf3.3	1.00E-07	0.4480967	0.4	0.104	0.00164423	18
Rpl32.8	1.05E-07	-0.7005875	0.914	0.949	0.00172111	18
Cebpb.16	1.11E-07	0.41197683	0.857	0.327	0.00183084	18
M6pr.2	1.17E-07	0.60858884	0.543	0.176	0.00192683	18
Rpl18a.8	1.18E-07	-0.7072347	0.943	0.962	0.00193312	18
Uap1l1	1.33E-07	0.376862	0.286	0.061	0.00218375	18
Lpin2	1.33E-07	0.39703749	0.314	0.071	0.00218883	18

Vma21	1.38E-07	0.2841656	0.314	0.069	0.00226833	18
Vat1	1.38E-07	0.43138157	0.314	0.071	0.00226907	18
Csf1r.17	1.46E-07	0.25935865	0.914	0.33	0.00240322	18
Nrp2.1	1.65E-07	0.44588311	0.286	0.062	0.00272156	18
Dnajb14	1.67E-07	0.559421	0.314	0.074	0.00273934	18
Rrad	1.74E-07	0.42816611	0.286	0.062	0.00285918	18
Selenop.17	2.00E-07	0.4121316	0.943	0.414	0.00329053	18
Ndufb8.3	2.00E-07	0.50434761	0.714	0.261	0.00329207	18
Glrx	2.05E-07	0.46726568	0.314	0.074	0.00337151	18
Sdc4.1	2.49E-07	0.37851818	0.6	0.196	0.00410037	18
Mcur1	2.56E-07	0.43896132	0.314	0.074	0.00420948	18
Ppp1r12c	2.57E-07	0.26181426	0.314	0.071	0.00422266	18
Capza2.7	2.59E-07	0.43217471	0.714	0.256	0.00425607	18
Lrpap1	2.94E-07	0.45457441	0.314	0.074	0.00483112	18
Rpl18.7	3.06E-07	-0.7122488	0.971	0.923	0.00504162	18
Med10	3.44E-07	0.37482586	0.314	0.074	0.00566185	18
Prpf38b	3.44E-07	0.37911743	0.371	0.096	0.00566469	18
Prex1.2	3.57E-07	0.30995728	0.514	0.152	0.00586543	18
Soat1.1	3.87E-07	0.27136678	0.314	0.073	0.0063683	18
Gltp.10	4.07E-07	0.51874631	0.686	0.256	0.00669068	18
Rps3.9	4.28E-07	-0.686698	1	0.913	0.00703868	18
S100a1	4.29E-07	0.45391925	0.371	0.099	0.00705386	18
Rgl1.2	4.47E-07	0.34755022	0.371	0.095	0.00735024	18
Pmp22.2	4.50E-07	0.35554928	0.371	0.095	0.00739978	18
Rpl34.7	4.53E-07	-0.5829953	0.971	0.946	0.00744915	18
Ak2.1	4.54E-07	0.38334369	0.4	0.109	0.00747463	18
Rpl30.7	4.58E-07	-0.6119423	0.971	0.953	0.00753734	18
Vps41	4.60E-07	0.27490089	0.257	0.053	0.00757461	18
lah1	4.61E-07	0.41073423	0.286	0.065	0.00758939	18
Atp6ap2	5.61E-07	0.34069821	0.4	0.108	0.00922473	18
Tbxas1	5.83E-07	0.30847673	0.371	0.096	0.00959094	18
Ntan1	6.25E-07	0.4731016	0.4	0.113	0.01028531	18
Rps19.10	6.55E-07	-0.7295543	0.943	0.933	0.01076639	18
Pon2	7.23E-07	0.3632732	0.343	0.088	0.0118892	18
Fam173a	7.81E-07	0.34571842	0.371	0.099	0.01284038	18
Cx3cr1.1	8.37E-07	0.40135035	0.286	0.066	0.01376865	18
Tinf2	8.43E-07	0.35682706	0.257	0.056	0.01387242	18
Ptms.14	9.04E-07	0.43649644	0.743	0.286	0.01486452	18
Lpl.1	9.45E-07	0.69797223	0.343	0.093	0.01554699	18
Myo1f.3	1.02E-06	0.42436366	0.429	0.126	0.0167631	18
Rps23.4	1.05E-06	-0.6834916	0.914	0.896	0.01727301	18
Rps24.9	1.22E-06	-0.5396579	1	0.988	0.02004886	18
Znfx1	1.23E-06	0.38252837	0.257	0.058	0.02017424	18

Bri3.13	1.27E-06	0.53379429	0.8	0.37	0.0208108	18
Rrbp1.12	1.27E-06	0.45335239	0.8	0.346	0.02083135	18
Rbm47	1.29E-06	0.37858924	0.286	0.067	0.02114406	18
Atp6v1b2.1	1.29E-06	0.51117561	0.429	0.13	0.02123072	18
Rps8.6	1.32E-06	-0.4989724	1	0.983	0.02168049	18
Zfp703	1.34E-06	0.33093914	0.257	0.057	0.02208855	18
Dram2	1.37E-06	0.27651023	0.286	0.067	0.02257438	18
Ifitm2.15	1.41E-06	0.47408648	0.886	0.388	0.023158	18
Pttg1ip	1.45E-06	0.3457305	0.371	0.1	0.02377187	18
Ly9	1.46E-06	0.34651053	0.257	0.057	0.02402823	18
Ccr5	1.48E-06	0.34833277	0.343	0.091	0.02431217	18
Entpd1	1.50E-06	0.37152529	0.257	0.058	0.02469894	18
Creg1.3	1.54E-06	0.56995382	0.571	0.203	0.02530179	18
Rps4x.8	1.60E-06	-0.5309548	1	0.963	0.02638927	18
Arl5c.2	1.75E-06	0.26629254	0.286	0.067	0.02876766	18
Vamp8.11	1.81E-06	0.67452506	0.743	0.34	0.02980883	18
Gng2	1.87E-06	0.39573094	0.457	0.143	0.03070947	18
Ap1s1	1.92E-06	0.38747679	0.257	0.059	0.03151073	18
Rps10.6	1.99E-06	-0.5803225	0.971	0.957	0.03274699	18
Tpm1	2.08E-06	0.37773726	0.286	0.07	0.03417831	18
Atp6v0b.11	2.29E-06	0.45254105	0.829	0.358	0.03764347	18
Osgep.1	2.35E-06	0.3609785	0.314	0.081	0.03868293	18
Hck.2	2.43E-06	0.34745956	0.343	0.093	0.03995394	18
Ctsl.2	2.68E-06	0.84250128	0.429	0.137	0.04416111	18
Fuca1.1	2.78E-06	0.28271223	0.486	0.152	0.04573618	18
Lrrk1.1	3.19E-06	0.34069773	0.257	0.06	0.05240652	18
Uba52.8	3.57E-06	-0.5502018	1	0.975	0.0586939	18
Tex264	3.88E-06	0.37191831	0.257	0.061	0.06379841	18
Sde2	4.03E-06	0.41937059	0.371	0.109	0.06634156	18
Atpif1.16	4.13E-06	0.44732871	0.743	0.313	0.0679656	18
Epsti1.2	4.15E-06	0.3286593	0.543	0.187	0.06828726	18
Cd44.5	4.57E-06	0.61622248	0.514	0.191	0.07524995	18
Znhit1	4.66E-06	0.52955611	0.314	0.088	0.07663712	18
Nfkb2.1	4.98E-06	0.4129836	0.343	0.097	0.08198945	18
Dtnbp1	5.07E-06	0.2740279	0.257	0.061	0.08342392	18
Tyrobp.15	5.21E-06	0.47276874	1	0.606	0.0857346	18
Ubl3.2	5.60E-06	0.41912902	0.6	0.22	0.09213105	18
Hfe.3	6.02E-06	0.25168375	0.371	0.106	0.09906456	18
Bola3	6.02E-06	0.304185	0.343	0.096	0.0990782	18
Srgap2	6.38E-06	0.29133039	0.257	0.062	0.10487547	18
Ctsc.14	6.65E-06	0.41347174	0.857	0.413	0.10930938	18
Rps11.8	6.74E-06	-0.5036874	1	0.966	0.110903	18
Dse	6.76E-06	0.2564706	0.314	0.083	0.11123519	18

Tmem256.1	8.16E-06	0.33837923	0.571	0.203	0.13427788	18
Nrros.14	8.22E-06	0.445924	0.714	0.282	0.13520833	18
Adam17	8.39E-06	0.27208722	0.286	0.073	0.13804529	18
Sdcbp.11	8.41E-06	0.37089498	0.686	0.273	0.13835785	18
Gm10076.5	8.89E-06	-0.5053457	1	0.953	0.14625647	18
Emc7	9.18E-06	0.30862918	0.371	0.112	0.15099251	18
Rps9.5	9.48E-06	-0.5009711	0.971	0.963	0.15601721	18
Rpl10a.7	9.57E-06	-0.664572	0.914	0.863	0.15743644	18
Rpl7.6	9.85E-06	-0.6529896	0.857	0.841	0.16198312	18
Rpl9-ps6.10	9.85E-06	-0.6329944	0.971	0.906	0.16208523	18
Golga4	1.05E-05	0.28942662	0.314	0.087	0.17345764	18
Tmsb10.13	1.09E-05	-1.2475743	0.829	0.786	0.17954658	18
Id2.7	1.14E-05	0.3213828	0.571	0.213	0.18720253	18
Lyn.7	1.14E-05	0.4074766	0.6	0.24	0.18775087	18
Cmtm3	1.15E-05	0.34059895	0.286	0.076	0.18846331	18
Cybb.12	1.17E-05	0.35033998	0.771	0.327	0.19261566	18
Qdpr	1.19E-05	0.36231389	0.343	0.101	0.19502498	18
Rpl37.7	1.21E-05	-0.5556779	0.943	0.929	0.19918451	18
Sik1	1.32E-05	0.31514289	0.371	0.114	0.21748219	18
Ctnnb1	1.33E-05	0.52173457	0.429	0.148	0.21859037	18
Mcub.1	1.41E-05	0.31860614	0.343	0.1	0.23259795	18
Rps12.5	1.55E-05	-0.5159706	0.943	0.938	0.25497916	18
S100a6.12	1.60E-05	-1.1224057	0.714	0.752	0.26289222	18
Prdx1.6	1.61E-05	0.46628299	0.8	0.378	0.26457589	18
Tpp1.1	1.66E-05	0.34598513	0.371	0.115	0.27225129	18
Trappc3	1.75E-05	0.26806072	0.257	0.065	0.28847302	18
Pycard.4	1.81E-05	0.38622452	0.543	0.203	0.29701767	18
Lrrc25.2	2.04E-05	0.62436522	0.371	0.126	0.33530865	18
Sgpl1	2.06E-05	0.28076466	0.371	0.115	0.33876763	18
Vdac2.1	2.13E-05	0.42548101	0.571	0.228	0.35087661	18
Xdh	2.14E-05	0.252238	0.257	0.066	0.35163495	18
Plxnd1	2.15E-05	0.33630498	0.286	0.079	0.35417285	18
Prkcd.3	2.42E-05	0.25640597	0.514	0.182	0.39835393	18
Rab5c	2.45E-05	0.25064181	0.486	0.168	0.40302314	18
B2m.11	2.49E-05	0.4314623	1	0.807	0.41020687	18
Apoe.16	2.66E-05	0.6147686	0.857	0.469	0.4382709	18
Irf8.3	2.67E-05	0.28732692	0.6	0.23	0.43925586	18
Rpl23.4	2.68E-05	-0.4188642	1	0.975	0.44151517	18
Rps27a.7	2.68E-05	-0.4954589	1	0.936	0.44153887	18
Lamtor1.2	2.76E-05	0.40452792	0.514	0.197	0.45456895	18
Gpr65.1	2.92E-05	0.48679336	0.257	0.07	0.47979185	18
Sdhc	3.00E-05	0.40415245	0.286	0.082	0.49303861	18
Etfa	3.03E-05	0.31742582	0.314	0.093	0.49784113	18

Plgrkt	3.12E-05	0.27836503	0.286	0.08	0.51293774	18
Clec12a.2	3.25E-05	0.42240708	0.343	0.11	0.53510315	18
Ptpn1.3	3.27E-05	0.28311857	0.629	0.245	0.53767015	18
Cox5a.7	3.27E-05	0.47695423	0.771	0.378	0.53814344	18
Eprs.1	3.40E-05	0.51622969	0.371	0.128	0.55988459	18
Rhog.5	3.51E-05	0.34283678	0.686	0.29	0.57702014	18
Calm2.11	3.75E-05	0.41434996	0.8	0.385	0.61681286	18
Ifnar1	3.75E-05	0.30205539	0.343	0.107	0.61740735	18
Laptm4a.8	3.77E-05	0.43747398	0.629	0.271	0.6199382	18
Rpl11.7	3.82E-05	-0.5147429	0.971	0.926	0.62755294	18
Yif1b	4.03E-05	0.37392979	0.286	0.082	0.66216248	18
Rps18.9	4.15E-05	-0.6571784	0.914	0.87	0.68232439	18
Psma6	4.25E-05	0.30329064	0.4	0.134	0.69870443	18
Rasgef1b.2	4.55E-05	0.42340928	0.371	0.126	0.74824786	18
H2-Eb1.3	6.88E-145	-1.8293326	0.311	0.746	1.13E-140	4
Grb2.1	4.63E-05	0.41858763	0.486	0.187	0.76236373	18
Grina	4.84E-05	0.33753428	0.371	0.124	0.79640708	18
Sdhb	4.85E-05	0.33556403	0.486	0.183	0.79716235	18
Atp6v0d1.1	5.26E-05	0.38311803	0.429	0.151	0.86597161	18
Atp5c1.5	5.58E-05	0.44602884	0.743	0.341	0.91734349	18
Nenf	5.59E-05	0.29103821	0.429	0.149	0.92013602	18
Spcs1.1	5.69E-05	0.39566991	0.571	0.231	0.93551301	18
Rpl39.10	5.78E-05	-0.5752668	0.943	0.889	0.94995127	18
Sh3glb1.4	6.16E-05	0.37604255	0.743	0.35	1	18
Atp6v1e1.1	6.18E-05	0.35390001	0.371	0.124	1	18
Ndufc2.2	6.46E-05	0.26102176	0.571	0.223	1	18
Nsfl1c	6.95E-05	0.28424626	0.257	0.072	1	18
Atp6v1a	7.12E-05	0.30164837	0.343	0.109	1	18
Mink1	7.22E-05	0.40503294	0.286	0.087	1	18
Rpl27a.8	7.27E-05	-0.5858051	0.914	0.889	1	18
Lsp1.14	7.86E-05	-1.5164022	0.086	0.398	1	18
Magt1	7.96E-05	0.32247851	0.286	0.087	1	18
Rpl35.7	8.18E-05	-0.4962518	1	0.924	1	18
Ndufs3	8.45E-05	0.29688974	0.371	0.127	1	18
Rnf19b.1	8.57E-05	0.31322601	0.314	0.099	1	18
Man2b1.13	8.72E-05	0.43118244	0.657	0.297	1	18
Rps21.6	8.73E-05	-0.5304082	0.971	0.882	1	18
Map7d1	8.90E-05	0.27541731	0.343	0.112	1	18
Ergic3	9.44E-05	0.25650489	0.371	0.124	1	18
Tiparp	9.55E-05	0.47946814	0.4	0.15	1	18
Ilk.1	9.67E-05	0.34547322	0.4	0.143	1	18
Sfn2.3	9.87E-05	0.28508534	0.543	0.217	1	18
Rpl27.7	9.98E-05	-0.6299619	0.8	0.83	1	18

Rnh1.2	0.00010112	0.33638149	0.429	0.159		1	18
Rnf130.2	0.00010424	0.25451849	0.457	0.168		1	18
Eef1a1.12	0.00010539	-0.4171567	1	0.98		1	18
Atg5	0.00010631	0.28420747	0.257	0.074		1	18
Coro1a.9	0.00011312	-1.0572965	0.543	0.637		1	18
Cyfip1.2	0.00011512	0.37601306	0.457	0.176		1	18
Ifi27	0.00011926	0.27172202	0.343	0.113		1	18
Fosl2.5	0.00012087	0.30329862	0.543	0.213		1	18
Rtf2	0.00012661	0.32829242	0.314	0.102		1	18
Mtch1	0.00012674	0.32300002	0.257	0.075		1	18
Pigp	0.00012763	0.34263059	0.314	0.102		1	18
Fyb.12	0.00012771	0.45341308	0.543	0.249		1	18
Colgalt1.1	0.00012929	0.31775313	0.371	0.129		1	18
Sec61g.4	0.0001451	0.33313871	0.743	0.344		1	18
Nfkbie.2	0.00014922	0.47337779	0.314	0.107		1	18
Ndufs2	0.00015333	0.29349754	0.4	0.144		1	18
Plek.9	0.00016316	0.46981104	0.657	0.345		1	18
Ucp2.8	0.00016624	0.45814095	0.914	0.596		1	18
Dnajc15.1	0.0001668	0.2504605	0.4	0.144		1	18
Prdx2.2	0.00016757	0.28025664	0.543	0.223		1	18
Il2rg.11	0.00016981	0.35066527	0.629	0.283		1	18
Lilr4b.1	0.00017601	0.30685904	0.314	0.104		1	18
Fkbp15	0.00017934	0.34058755	0.257	0.078		1	18
BC028528.1	0.00019011	0.41422596	0.257	0.079		1	18
Comt.1	0.00019387	0.26855511	0.371	0.131		1	18
Rps29.5	0.00020447	-0.5090105	0.914	0.894		1	18
Zeb2.15	0.0002122	0.29782145	0.657	0.294		1	18
Pacsin2	0.00021881	0.26059784	0.286	0.091		1	18
H2-Ab1.3	1.49E-151	-1.9047206	0.29	0.749	2.44E-147		4
Mvb12a.1	0.00022691	0.27138264	0.314	0.105		1	18
Dnase2a	0.00024764	0.30355367	0.286	0.093		1	18
Bcl2a1d.6	0.00024878	0.39777941	0.4	0.158		1	18
Rnf213	0.00026179	0.31436698	0.314	0.107		1	18
Ier2.14	0.00026323	-1.2274024	0.371	0.557		1	18
Rpl38.3	0.00027747	-0.6274852	0.857	0.794		1	18
Rplp2.6	0.00029713	-0.4502505	1	0.919		1	18
Rpl6.8	0.000329	-0.5058895	0.914	0.897		1	18
Cd84	0.00033212	0.31221663	0.314	0.11		1	18
Rps6.9	0.00033921	-0.6682908	0.829	0.771		1	18
Mrps34	0.00034025	0.27928409	0.257	0.081		1	18
Igbp1	0.00034296	0.26021152	0.257	0.08		1	18
Rps13.8	0.00035836	-0.5167439	0.914	0.831		1	18
AI413582	0.00035912	0.36786228	0.371	0.142		1	18

Ets2.1	0.00036214	0.46176539	0.371	0.147	1	18
Rps20.9	0.00036826	-0.4374099	1	0.972	1	18
Eno1.9	0.00036898	0.28086435	0.857	0.41	1	18
Slc35b2	0.00037037	0.35291508	0.257	0.083	1	18
Edf1.3	0.00038258	0.33545003	0.743	0.347	1	18
Gm21188.1	0.00039113	0.29542268	0.257	0.082	1	18
Clta.12	0.00039474	0.33803245	0.886	0.547	1	18
Rps2.8	0.00040483	-0.439727	1	0.943	1	18
Rps28.5	0.00041063	-0.597359	0.8	0.798	1	18
Rpl23a.4	0.00042924	-0.8128866	0.543	0.637	1	18
Prdx5.11	0.000435	0.28399926	0.686	0.334	1	18
Rack1.6	0.00043781	-0.6315699	0.743	0.769	1	18
Rplp1.5	0.00044534	-0.3799582	1	0.973	1	18
H2-Ab1.14	2.60E-09	-2.359569	0.138	0.711	4.27E-05	19
Napsa.15	0.00046878	-1.299525	0	0.265	1	18
Sulf2.1	0.00047721	0.42329224	0.286	0.099	1	18
Runx3	0.00048301	0.40934104	0.286	0.097	1	18
Mgat2	0.00049403	0.26072506	0.257	0.083	1	18
Gabarap.7	0.00050034	0.31270665	0.914	0.564	1	18
Got1.2	0.00051749	0.49894545	0.286	0.102	1	18
Icam1.5	0.00052647	0.29280683	0.429	0.175	1	18
Rpl14.12	0.00054966	-0.6026779	0.914	0.786	1	18
Naca.7	0.00055033	-0.7875725	0.686	0.658	1	18
Reep5.4	0.00056433	0.33529539	0.686	0.353	1	18
Rpl9.4	0.00056991	-0.8383655	0.6	0.629	1	18
Lman2.1	0.00057062	0.26794393	0.4	0.158	1	18
Sdf2l1.5	0.00057814	0.32618644	0.4	0.163	1	18
Cuedc2	0.00058257	0.25328939	0.286	0.098	1	18
Aamp	0.0005949	0.25701511	0.343	0.127	1	18
Prcp.3	0.00062284	0.25523494	0.457	0.187	1	18
Per1.1	0.00064841	0.25980757	0.314	0.114	1	18
Vcp.3	0.00066602	0.28153253	0.571	0.259	1	18
Atp6v1d	0.00066799	0.3200579	0.314	0.115	1	18
Tubb2a.2	0.00069377	0.27296834	0.286	0.1	1	18
Uqcrb.2	0.00072002	0.35343926	0.629	0.279	1	18
Mapkapk2	0.00072166	0.33269937	0.371	0.145	1	18
Txn1.8	0.00076165	0.3301942	0.543	0.25	1	18
Tnfrsf1b.3	0.00077143	0.25926121	0.314	0.114	1	18
Ehd4.15	0.00077495	0.26758665	0.571	0.266	1	18
Gpx1.16	0.00080827	0.38673968	0.971	0.711	1	18
Ctsh.13	0.00081182	0.32435795	0.743	0.384	1	18
Gimp	0.00081731	0.27910153	0.343	0.13	1	18
Mrpl14.1	0.00090091	0.28549172	0.343	0.133	1	18

Dctn3	0.00091632	0.31117295	0.4	0.165	1	18
Rpl19.9	0.00094612	-0.4099919	1	0.954	1	18
Cd83.13	0.00099209	0.3783594	0.829	0.469	1	18
Ms4a6c.5	0.00105208	0.26966169	0.514	0.227	1	18
Stard3nl.1	0.00109349	0.2772169	0.371	0.149	1	18
Ccdc88a.2	0.00109455	0.30904542	0.286	0.104	1	18
Atp2b1.9	0.00110504	0.34945704	0.686	0.345	1	18
Arpc1b.11	0.00119675	0.33032765	0.914	0.622	1	18
Rpl5.7	0.00126485	-0.6546214	0.829	0.716	1	18
Ptprcap.16	0.00132537	-1.3145636	0.029	0.266	1	18
S100a10.15	0.00133065	-1.1168886	0.257	0.461	1	18
Dnajb6	0.0013741	0.28234473	0.343	0.137	1	18
Lipa.1	0.00140124	0.31175603	0.314	0.123	1	18
Ccl5.3	0.00140204	-0.7589704	0.4	0.157	1	18
Rpl12.12	0.00145145	-0.6698103	0.8	0.761	1	18
Mlf2.1	0.00151944	0.3933598	0.371	0.165	1	18
Card19.1	0.00155285	0.26891929	0.4	0.171	1	18
Ifi27l2a.15	0.00165075	-1.4109636	0.171	0.404	1	18
Fgl2.4	0.00169958	0.32776742	0.314	0.127	1	18
Minos1.2	0.00181716	0.32594982	0.429	0.198	1	18
Rpl26.6	0.00193698	-0.397573	1	0.898	1	18
Cd79a.16	0.0019447	-2.134792	0.029	0.252	1	18
Il10rb	0.00197846	0.2625274	0.314	0.123	1	18
Acaa1a	0.00203575	0.26367166	0.286	0.11	1	18
Rplp0.8	0.00205597	-0.4751942	0.971	0.903	1	18
Mvp.1	0.00253888	0.26469063	0.257	0.096	1	18
Spi1.13	0.00253999	0.28778738	0.6	0.304	1	18
Selenos.1	0.00254291	0.28577059	0.343	0.145	1	18
Lcp2.1	0.00263861	0.28787293	0.314	0.129	1	18
Gpr132.7	0.0031849	0.25163964	0.486	0.223	1	18
Rpl22.7	0.00351671	-0.4141918	0.914	0.827	1	18
Tgfb1.6	0.00366197	0.26912772	0.486	0.235	1	18
Atp5g3.3	0.00393529	0.25519438	0.829	0.456	1	18
Map2k2	0.00394482	0.25453519	0.429	0.201	1	18
Aldoa.8	0.00411865	0.26293525	0.686	0.365	1	18
Gusb.1	0.00458666	0.27959446	0.286	0.118	1	18
Rpl13a.12	0.00582234	-0.4511738	0.857	0.813	1	18
Psmb5.2	0.00582809	0.2985575	0.429	0.205	1	18
Hsp90ab1.4	0.00630168	-0.4199801	0.943	0.805	1	18
Cd9.3	0.00642412	0.55541418	0.286	0.128	1	18
Pf4.18	0.00660393	-0.3740633	0.657	0.305	1	18
Rtraf.4	0.0074712	0.28151369	0.514	0.266	1	18
Rps26.12	0.00872357	-0.3284125	0.971	0.934	1	18

Sqstm1.7	0.00887756	0.32154838	0.629	0.381	1	18
Rheb.1	0.00887798	0.27120258	0.343	0.165	1	18
Mrpl36	0.00902828	0.28338209	0.257	0.109	1	18
Arhgap45.8	0.00951735	-0.9574468	0.143	0.316	1	18
Btg1.11	0.00992587	-0.8300235	0.514	0.573	1	18
Saa3	0	4.51553501	1	0.001	0	19
Prg4	0	3.77079927	0.966	0.001	0	19
Alox15	0	3.44143562	0.897	0	0	19
Serpinb2	0	2.38979948	0.724	0.006	0	19
Padi4	0	2.15709807	0.724	0.007	0	19
Cd5l	0	2.13992058	0.655	0.001	0	19
Lrg1	0	1.88192852	0.586	0.001	0	19
Selp	0	1.76621875	0.69	0.002	0	19
Prtn3	0	1.74085533	0.586	0.003	0	19
F5	0	1.6983708	0.552	0.004	0	19
Tgfb2	0	1.58288303	0.345	0	0	19
Ltbp1	0	1.48794592	0.517	0	0	19
Ptgis	0	1.39308348	0.448	0.002	0	19
Wnt2	0	1.07833614	0.276	0	0	19
Fabp7	0	1.05362222	0.345	0	0	19
Cald1	3.45E-210	1.09878971	0.345	0.002	5.68E-206	19
Itga6	4.31E-177	1.96616521	0.759	0.018	7.09E-173	19
Olr1	4.15E-149	0.96417879	0.31	0.003	6.82E-145	19
Calml4	4.75E-143	1.15840834	0.345	0.004	7.81E-139	19
F10	1.95E-135	1.50131105	0.517	0.01	3.21E-131	19
Gm16104	6.04E-125	0.89360996	0.31	0.004	9.94E-121	19
Cgnl1	5.61E-111	1.42204056	0.448	0.01	9.23E-107	19
Icam2	7.31E-104	1.84214158	0.655	0.023	1.20E-99	19
Thbs1.1	6.79E-94	2.44441042	0.793	0.039	1.12E-89	19
Slpi.1	1.20E-84	3.53801517	0.517	0.018	1.98E-80	19
Fn1.2	1.22E-83	3.63337053	1	0.08	2.00E-79	19
Emilin2.1	1.10E-75	2.17632493	0.862	0.06	1.81E-71	19
Fabp4	3.41E-73	1.96788364	0.586	0.027	5.60E-69	19
Il6	1.28E-67	1.67357457	0.483	0.019	2.10E-63	19
Ecm1	1.58E-67	2.3231075	0.897	0.072	2.61E-63	19
Mcomp1	1.16E-53	1.42637268	0.586	0.037	1.90E-49	19
Engase	2.47E-50	0.95666584	0.345	0.013	4.07E-46	19
Timd4	4.42E-47	1.52990345	0.552	0.037	7.26E-43	19
C4b.2	6.73E-46	2.3979509	0.931	0.123	1.11E-41	19
Plxdc2	9.49E-46	1.26248299	0.448	0.025	1.56E-41	19
Pygl	2.79E-43	1.09373569	0.345	0.016	4.59E-39	19
Ltc4s.2	4.84E-36	1.81682989	0.931	0.145	7.97E-32	19
Flnb	3.24E-35	1.5241271	0.448	0.033	5.32E-31	19

Cxcl13.1	2.82E-34	1.69987778	0.448	0.033	4.64E-30	19
Itgam	1.25E-33	1.60893007	0.724	0.09	2.05E-29	19
Clec4d	3.97E-33	1.12831885	0.31	0.017	6.53E-29	19
Gadd45a	9.32E-33	1.05707074	0.345	0.021	1.53E-28	19
Gda.3	3.96E-31	1.37593565	0.828	0.12	6.51E-27	19
Clec4e	1.85E-30	0.88873445	0.379	0.026	3.04E-26	19
Bst1	7.06E-30	0.76830834	0.276	0.015	1.16E-25	19
Msr1	1.22E-29	1.10778686	0.414	0.032	2.01E-25	19
Ptgs1	3.30E-29	1.00710522	0.586	0.061	5.43E-25	19
Cxcl2.15	5.82E-29	2.05953331	1	0.248	9.57E-25	19
Cxcl1	7.39E-29	1.81418422	0.379	0.029	1.22E-24	19
Ednrb.1	5.35E-28	1.33168749	0.69	0.09	8.79E-24	19
Osm	9.00E-27	1.04315698	0.414	0.035	1.48E-22	19
Atp1a3	1.11E-26	0.81332238	0.31	0.02	1.83E-22	19
Evi5	7.84E-26	0.96338762	0.448	0.043	1.29E-21	19
Ccrl2.2	2.11E-23	1.47989793	0.552	0.075	3.47E-19	19
Fabp5.2	4.06E-23	1.08148147	0.552	0.07	6.67E-19	19
Wfdc17.15	8.61E-23	1.9474744	1	0.327	1.42E-18	19
Nupr1	9.06E-23	1.26772508	0.414	0.042	1.49E-18	19
Hgsnat	1.61E-22	0.92018403	0.448	0.048	2.64E-18	19
Gngt2.3	8.85E-22	1.09885874	0.655	0.103	1.46E-17	19
Timp2.3	1.66E-21	1.25719537	0.897	0.2	2.73E-17	19
Lyz2.18	3.18E-21	2.07779389	1	0.553	5.23E-17	19
Cd9.4	6.03E-21	1.50916387	0.69	0.127	9.91E-17	19
Sdc3.4	5.43E-18	1.33123736	0.759	0.168	8.93E-14	19
St3gal5.1	5.84E-18	0.98620865	0.483	0.069	9.60E-14	19
Hp.1	6.52E-18	0.63616764	0.276	0.024	1.07E-13	19
Man2a1	3.71E-17	0.78611616	0.448	0.061	6.11E-13	19
Ier3.13	9.83E-17	1.29054209	1	0.323	1.62E-12	19
Ank	1.18E-16	0.93095082	0.379	0.048	1.94E-12	19
Cfp.16	1.50E-16	1.32308917	0.931	0.309	2.47E-12	19
Alox5ap.17	1.71E-16	1.2266079	1	0.395	2.81E-12	19
Pilra.1	2.30E-16	0.93445467	0.345	0.04	3.79E-12	19
Cybb.13	1.01E-15	1.30298364	0.897	0.327	1.66E-11	19
Polr3gl	1.41E-15	0.95551301	0.379	0.05	2.32E-11	19
Lyz1.1	3.61E-15	1.03073089	0.345	0.043	5.94E-11	19
Fgfr1.4	2.05E-14	1.0157118	0.552	0.107	3.37E-10	19
Tcn2.1	2.56E-14	1.12287623	0.517	0.098	4.21E-10	19
Cebpb.17	2.68E-14	1.17669753	0.931	0.327	4.41E-10	19
Khk.1	4.39E-14	0.80795585	0.345	0.046	7.21E-10	19
Cd14.18	7.17E-14	1.18720726	0.828	0.258	1.18E-09	19
Prdx5.12	7.54E-14	1.0718543	0.897	0.333	1.24E-09	19
Apoe.17	8.75E-14	1.39715697	0.966	0.469	1.44E-09	19

Klf13.1	1.44E-13	1.04305448	0.655	0.156	2.36E-09	19
Pros1	2.11E-13	0.95998481	0.414	0.067	3.46E-09	19
Plaur.1	5.08E-13	0.85969705	0.517	0.099	8.36E-09	19
Ipmk	5.10E-13	0.55756319	0.31	0.039	8.39E-09	19
Gpx1.17	6.05E-13	1.0746213	1	0.711	9.96E-09	19
Itgb2.12	1.53E-12	1.28058127	0.759	0.266	2.51E-08	19
Comt.2	1.65E-12	1.14806774	0.552	0.13	2.71E-08	19
Klf9	1.71E-12	0.59060081	0.276	0.033	2.82E-08	19
Fcna.2	2.54E-12	1.03657678	0.69	0.17	4.18E-08	19
App.12	3.76E-12	0.91761993	0.862	0.272	6.18E-08	19
C1qc.18	6.20E-12	0.88870788	1	0.331	1.02E-07	19
Mgst1.1	1.31E-11	0.86645206	0.448	0.086	2.16E-07	19
Smpdl3a.4	2.40E-11	0.878774	0.621	0.159	3.94E-07	19
C1qb.18	2.47E-11	0.89447147	1	0.35	4.07E-07	19
Cd74.14	4.17E-11	-2.6106759	0.345	0.829	6.86E-07	19
Ifitm3.15	4.63E-11	0.9104265	0.966	0.489	7.61E-07	19
Pycard.5	1.32E-10	0.99764888	0.655	0.203	2.17E-06	19
Adgre1.2	1.69E-10	1.0600501	0.586	0.159	2.77E-06	19
Tmsb10.14	1.93E-10	-2.4286115	0.31	0.787	3.17E-06	19
Gapdh.8	4.53E-10	0.77790199	0.966	0.713	7.45E-06	19
H2-Aa.14	1.71E-09	-2.5085673	0.276	0.745	2.82E-05	19
Cd84.1	1.06E-09	0.68779004	0.483	0.109	1.74E-05	19
Tyrobp.16	1.06E-09	0.8322522	1	0.606	1.75E-05	19
H2-Eb1.13	9.69E-10	-2.7174208	0.138	0.71	1.59E-05	19
Plk2.1	2.30E-09	1.13884931	0.31	0.056	3.78E-05	19
Tnfsf13.2	2.51E-09	0.70817521	0.345	0.065	4.14E-05	19
H2-Eb1.7	1.34E-88	-2.8006493	0.123	0.731	2.21E-84	10
Add3.2	2.70E-09	0.70674167	0.586	0.16	4.44E-05	19
Pltp.18	3.38E-09	0.72182996	0.897	0.335	5.55E-05	19
Lrp1.3	4.28E-09	0.84357992	0.517	0.131	7.04E-05	19
Nfkbia.14	4.88E-09	1.01310709	0.931	0.519	8.03E-05	19
Fcgr3.5	6.54E-09	0.8073389	0.69	0.225	0.00010757	19
Plek.10	6.80E-09	0.84103155	0.828	0.345	0.00011178	19
Ctsl.3	7.45E-09	0.7598045	0.517	0.136	0.00012262	19
Dusp1.11	8.82E-09	0.83319803	0.966	0.604	0.00014508	19
Hacd4.2	1.30E-08	0.72282318	0.483	0.122	0.00021415	19
Ifitm2.16	1.64E-08	0.77779555	0.897	0.389	0.00026979	19
Coro1a.10	1.69E-08	-1.9906865	0.103	0.639	0.00027861	19
C1qa.18	1.98E-08	0.68865856	0.897	0.328	0.0003254	19
Pmp22.3	2.03E-08	0.71419579	0.414	0.095	0.00033371	19
Txn1.9	2.23E-08	0.96448773	0.655	0.249	0.00036611	19
Lpl.2	2.29E-08	0.57687525	0.414	0.093	0.00037716	19
Mafb.17	3.19E-08	0.6218785	0.759	0.262	0.00052427	19

Hexa.14	3.24E-08	0.65389589	0.793	0.29	0.00053265	19
Cd52.13	3.34E-08	-1.6219392	0.276	0.736	0.00054885	19
Ier2.15	3.84E-08	0.86080674	0.931	0.554	0.00063214	19
Rbpms	4.27E-08	0.63008748	0.276	0.05	0.00070295	19
Fam46a.2	4.89E-08	0.70291942	0.483	0.129	0.00080489	19
Ccl6.17	5.04E-08	0.8136708	0.931	0.411	0.00082861	19
Rhoc	6.53E-08	0.64162005	0.276	0.051	0.00107488	19
Creg1.4	7.91E-08	0.78035718	0.621	0.203	0.00130107	19
Neat1.15	8.02E-08	0.72135026	0.793	0.325	0.00131895	19
Cfh.2	1.06E-07	0.60777675	0.621	0.19	0.0017452	19
Bmp2	1.07E-07	0.9792888	0.276	0.054	0.00176699	19
Tmx1	1.18E-07	0.53640126	0.31	0.063	0.00193447	19
C5ar1.2	1.52E-07	0.50362874	0.621	0.185	0.00250479	19
Cyba.9	1.69E-07	0.57698928	0.966	0.717	0.00278445	19
Nlrp3.1	1.84E-07	0.74536285	0.379	0.092	0.00303108	19
Ctsd.16	1.85E-07	0.89668986	0.724	0.289	0.00304717	19
Lamp2.2	4.45E-07	0.6162342	0.552	0.171	0.00731929	19
Camk1.2	4.47E-07	0.63668536	0.379	0.095	0.0073468	19
Dapk1.1	5.09E-07	0.58595165	0.31	0.069	0.00837407	19
Dhrs3.2	6.22E-07	0.60124646	0.414	0.11	0.01022756	19
Sgms1	6.30E-07	0.72081454	0.31	0.07	0.01036776	19
Pgd	7.87E-07	0.70947891	0.345	0.085	0.01294984	19
Hipk2	9.21E-07	0.57574472	0.276	0.057	0.01515439	19
Mfsd5	1.15E-06	0.57715644	0.345	0.085	0.01883909	19
Pf4.19	1.19E-06	0.99748408	0.724	0.305	0.01962804	19
Ftl1.15	1.20E-06	0.54875008	1	0.89	0.01970383	19
Tmsb4x.13	1.40E-06	-0.6447997	0.966	0.993	0.02308984	19
Malat1.10	1.49E-06	-0.894475	0.862	0.937	0.02444518	19
Phlda1.2	1.80E-06	1.04582531	0.483	0.157	0.02964517	19
Alox5.1	1.82E-06	0.55447495	0.276	0.06	0.02986989	19
Derl1.1	2.06E-06	0.80268776	0.414	0.121	0.03390924	19
Gng5.9	2.19E-06	0.67025894	1	0.595	0.03605286	19
Srgn.9	2.21E-06	0.60234261	0.931	0.672	0.03636596	19
Selplg.10	2.21E-06	0.66560571	0.724	0.304	0.03640093	19
Tagln2.12	2.48E-06	0.64457536	0.862	0.488	0.0407805	19
Idh1	4.17E-06	0.60337687	0.31	0.077	0.06861146	19
Egr1.14	4.68E-06	0.62124597	0.862	0.456	0.07692453	19
Jun.15	5.12E-06	0.27837358	0.966	0.46	0.08427948	19
Tnfaip8.5	5.47E-06	0.87982094	0.517	0.183	0.08999082	19
Dhrs7	6.20E-06	0.53328571	0.276	0.064	0.10206166	19
Lamtor4.2	8.99E-06	0.69451193	0.552	0.21	0.14787116	19
Nucb1.1	9.26E-06	0.69137082	0.414	0.134	0.15224909	19
Nin	9.60E-06	0.36257892	0.345	0.091	0.15789601	19

Glul.3	1.09E-05	0.50675559	0.586	0.221	0.179507	19
Ccl24.2	1.12E-05	0.60571473	0.448	0.148	0.18483549	19
Man2b1.14	1.18E-05	0.81562267	0.621	0.298	0.19413307	19
Tmco1	1.24E-05	0.66185142	0.345	0.098	0.20384571	19
Actg1.11	1.37E-05	-0.7898448	0.897	0.901	0.22530494	19
Anxa3.2	1.45E-05	0.51688899	0.276	0.067	0.2390426	19
Gimp.1	1.50E-05	0.54691376	0.414	0.13	0.2467879	19
Cdkn1a.6	1.52E-05	0.84345009	0.552	0.23	0.2494658	19
Cd86.2	1.70E-05	0.49337497	0.345	0.096	0.27989696	19
Ccdc12.3	2.12E-05	0.50561178	0.586	0.226	0.34839655	19
Ctss.14	2.95E-05	0.48413548	0.897	0.5	0.48560367	19
Sdf2l1.6	3.11E-05	0.70514437	0.448	0.163	0.51164855	19
Lgals3bp.1	3.48E-05	0.3229549	0.379	0.112	0.57171035	19
Itgb1.4	3.96E-05	0.70248789	0.552	0.243	0.65089561	19
Ly6e.12	5.14E-05	-1.0690215	0.69	0.75	0.84512448	19
Al467606	5.28E-05	0.44258208	0.276	0.073	0.86902558	19
Cotl1.9	6.04E-05	0.69645149	0.724	0.361	0.99304353	19
Acly	6.48E-05	0.48662119	0.31	0.09	1	19
Ppp3ca	6.65E-05	0.56141338	0.483	0.178	1	19
Aldh2.4	6.70E-05	0.67426755	0.517	0.206	1	19
Pam16	7.24E-05	0.41959058	0.276	0.075	1	19
Lrpap1.1	7.41E-05	0.45543341	0.276	0.075	1	19
Stk17b.10	8.36E-05	-1.4634891	0.069	0.438	1	19
Tmed3	8.82E-05	0.58112813	0.379	0.131	1	19
Zfp36.11	9.89E-05	0.45042574	0.966	0.61	1	19
Ccnl1.11	0.00010124	0.7221237	0.655	0.305	1	19
Rps8.7	0.00010416	0.27163008	1	0.983	1	19
Npc2.14	0.00010518	0.48860509	0.862	0.511	1	19
Vkorc1	0.00011202	0.61071744	0.379	0.134	1	19
Ifnar2.2	0.00011318	0.56507357	0.483	0.189	1	19
Aplp2.3	0.0001166	0.50570076	0.552	0.234	1	19
Sel1l.1	0.00012105	0.58948467	0.276	0.081	1	19
Ninj1.9	0.00012491	0.26348908	0.621	0.241	1	19
Cd83.14	0.00012757	-1.3499116	0.103	0.472	1	19
Ubash3b	0.0001363	0.56674097	0.276	0.081	1	19
Cflar.1	0.00013856	0.54369102	0.345	0.11	1	19
Park7.4	0.00014802	0.53254672	0.586	0.264	1	19
Reep3.1	0.0001512	0.56283783	0.379	0.132	1	19
Ndufv3.2	0.00015759	0.44364268	0.552	0.226	1	19
Cd93.1	0.00016126	0.31062462	0.31	0.091	1	19
Cd36.2	0.00016995	0.28009035	0.448	0.157	1	19
Itsn1.2	0.00017644	0.40981872	0.31	0.092	1	19
Tiparp.1	0.0001831	0.67163428	0.414	0.15	1	19

Nr4a1.11	0.00019032	0.57519823	0.828	0.504	1	19
Bola3.1	0.00020463	0.38984227	0.31	0.097	1	19
Arrb2.1	0.00020613	0.38280366	0.414	0.148	1	19
Dnajb9	0.00020773	0.48137231	0.345	0.114	1	19
Cd302.1	0.0002101	0.40431482	0.31	0.096	1	19
Tbl1x	0.00021169	0.37872284	0.276	0.08	1	19
Tmem14c.3	0.00022189	0.51029676	0.448	0.177	1	19
Ahnak.12	0.00022331	0.36504321	0.931	0.545	1	19
Pfn1.8	0.00022732	-0.6390945	0.828	0.86	1	19
1810009A15R	0.00023425	0.34498377	0.276	0.081	1	19
Laptm5.6	0.00024414	0.48718119	0.828	0.654	1	19
Rpl13a.13	0.00024593	-0.7499401	0.759	0.813	1	19
Tln1.6	0.00024788	0.54113432	0.759	0.426	1	19
Gnaq	0.00027804	0.38692434	0.276	0.082	1	19
Grn.14	0.00029145	0.37967841	0.724	0.375	1	19
Snx1	0.00030453	0.37495832	0.276	0.083	1	19
Rpl10.5	0.00032735	0.40354972	0.931	0.676	1	19
Bin1	0.00035033	0.44133323	0.379	0.133	1	19
Dusp3	0.00035228	0.28689346	0.31	0.097	1	19
Vsir.2	0.0003639	0.56065713	0.414	0.16	1	19
Ier3ip1	0.00036935	0.42354814	0.414	0.157	1	19
Fxyd5.16	0.00037992	0.61280847	0.793	0.464	1	19
S100a1.1	0.0003805	0.42295479	0.31	0.099	1	19
Ifngr1.11	0.00038338	-1.4013031	0.069	0.384	1	19
Gorasp2.1	0.0004025	0.36204488	0.276	0.085	1	19
Txnrd1	0.00042581	0.47260562	0.276	0.084	1	19
S100a6.13	0.00042846	-0.9224777	0.586	0.753	1	19
Ost4.2	0.00043951	0.39711259	0.724	0.352	1	19
Ighm.14	0.00045603	-1.9857284	0.103	0.416	1	19
Ccl9.7	0.00045752	0.58351295	0.517	0.232	1	19
Lcp1.7	0.00053151	-1.0565201	0.276	0.535	1	19
Cmtm7.2	0.00054038	0.40187383	0.517	0.221	1	19
Rnpep	0.00059372	0.28564403	0.276	0.085	1	19
Zeb2.16	0.00062023	0.54553487	0.621	0.294	1	19
Ifitm6.4	0.00063282	0.54014472	0.345	0.126	1	19
Znhit1.1	0.00066994	0.37642767	0.276	0.089	1	19
Mrps15	0.00071047	0.37995989	0.379	0.143	1	19
Klf6.13	0.0007151	0.33531886	0.862	0.529	1	19
Ptprc.8	0.00079748	-1.2093408	0.172	0.442	1	19
Gmfg.3	0.00080662	0.37620215	0.69	0.341	1	19
Ets2.2	0.00088021	0.48027041	0.379	0.147	1	19
Fermt3.1	0.0009272	0.50967522	0.414	0.179	1	19
2900097C17R	0.00092868	0.3368815	0.276	0.09	1	19

Psemb8.8	0.00093263	-1.0967358	0.241	0.481	1	19
Sptbn1.2	0.00094053	0.67498677	0.379	0.161	1	19
Nenf.1	0.00100295	0.44557758	0.379	0.149	1	19
Bcl2a1b.7	0.00101536	0.54866062	0.448	0.198	1	19
Ppib.2	0.00103742	0.41378922	0.759	0.41	1	19
Btg1.12	0.00107046	-0.8876201	0.31	0.574	1	19
Dbi.10	0.00108414	0.55550356	0.552	0.291	1	19
Ssr4.6	0.0010852	0.52291752	0.655	0.369	1	19
Gtf2h5.1	0.00109483	0.47188547	0.345	0.13	1	19
Sft2d1	0.00119103	0.26801871	0.448	0.179	1	19
Msrbl.1	0.00126161	0.40062378	0.31	0.116	1	19
Blvrb.2	0.00126524	0.32131879	0.517	0.22	1	19
Prdx6.4	0.00128682	0.56415177	0.414	0.182	1	19
Junb.13	0.00135108	0.32487829	1	0.842	1	19
Tgfb.7	0.00135785	0.36027498	0.517	0.235	1	19
Hexb.2	0.001359	0.30950244	0.379	0.148	1	19
Nfkb.13	0.00137618	0.34462829	0.759	0.44	1	19
Cox6a1.3	0.00138635	0.45232548	0.724	0.426	1	19
Ptprcap.17	0.00142407	-1.4191323	0	0.266	1	19
Napsa.16	0.00145832	-1.2989698	0	0.265	1	19
Drap1	0.00146009	0.41500213	0.276	0.097	1	19
Lamp1.16	0.00147061	0.30375427	0.793	0.413	1	19
Trf.2	0.001502	0.49650499	0.448	0.197	1	19
Ncf2.3	0.00151215	0.37317798	0.414	0.174	1	19
Manf.1	0.00163702	0.42952951	0.448	0.204	1	19
Myh9.11	0.00188634	-1.0180975	0.276	0.503	1	19
H2-Aa.8	1.09E-96	-2.9607645	0.154	0.766	1.80E-92	10
Rps24.10	0.00203196	-0.3679369	1	0.988	1	19
Cd79a.17	0.00205366	-2.195756	0	0.252	1	19
Ptms.15	0.00209951	-1.1922616	0.034	0.289	1	19
H2-Ab1.5	7.27E-125	-2.97216	0.09	0.741	1.20E-120	7
Ndufa1.1	0.00216882	0.35343729	0.448	0.202	1	19
C3ar1.2	0.00216971	0.27482301	0.345	0.13	1	19
Sod2	0.00221275	0.3794563	0.31	0.118	1	19
Plin2.2	0.00226704	0.6028421	0.31	0.121	1	19
Rpl18.8	0.00238684	-0.4424743	0.966	0.923	1	19
Zc3h12a	0.00265121	0.32568718	0.31	0.116	1	19
Os9	0.00279337	0.38128547	0.345	0.142	1	19
Ndufa4.2	0.00303309	0.34243047	0.793	0.409	1	19
Ppp1r15a.9	0.00320767	0.48117689	0.621	0.356	1	19
Rps2.9	0.0032309	0.28373021	1	0.943	1	19
H2-Ab1.8	2.05E-94	-3.0028859	0.075	0.733	3.37E-90	10
Klf2.15	0.0032894	0.26114221	0.897	0.593	1	19

Adam15.1	0.00335189	0.51340601	0.276	0.104	1	19
Ncf1.3	0.00375396	0.44241574	0.345	0.145	1	19
Eno1.10	0.003981	0.33290717	0.724	0.411	1	19
Rpl8.10	0.00415626	-0.4537359	0.931	0.917	1	19
Irf2	0.00451749	0.42826183	0.345	0.152	1	19
Rps15a.11	0.00472237	-0.4357289	1	0.95	1	19
Mrc1.17	0.00498018	-1.333578	0.069	0.307	1	19
Glud1.5	0.00499845	0.27230645	0.552	0.267	1	19
Atp6v1a.1	0.00508146	0.48904159	0.276	0.11	1	19
Sec61a1.1	0.00523145	0.41633864	0.276	0.109	1	19
Ndfip1.6	0.0054081	-0.9644299	0.069	0.298	1	19
Lrrc25.3	0.00574047	0.34075051	0.31	0.127	1	19
Rgs10.13	0.00589054	0.39315927	0.517	0.275	1	19
1110008F13Ri	0.00603045	0.30473718	0.414	0.192	1	19
Gstm1.14	0.00611318	-0.8047594	0.517	0.646	1	19
Unc119.2	0.00613644	0.25113765	0.276	0.106	1	19
Snx5.14	0.00620865	-1.0580452	0.103	0.318	1	19
Atp6v0b.12	0.00633922	0.36319854	0.621	0.359	1	19
Psmc7	0.00661384	0.30811569	0.276	0.11	1	19
Fkbp2.4	0.00682675	0.40250674	0.379	0.179	1	19
Ehd1.3	0.00683657	0.29360061	0.414	0.193	1	19
Nfic	0.00689513	0.27999496	0.276	0.109	1	19
Psma2.3	0.00715723	0.3797296	0.448	0.227	1	19
Rpl19.10	0.0074676	-0.362529	0.966	0.955	1	19
Hmgb2.6	0.00749714	-1.0632978	0.034	0.251	1	19
Spi1.14	0.00754982	0.30220148	0.552	0.304	1	19
Nme2.6	0.00772071	0.41845488	0.897	0.55	1	19
Trib1.5	0.00772548	0.29399206	0.448	0.226	1	19
Cyfip1.3	0.00789571	0.36600579	0.379	0.177	1	19
Gusb.2	0.00828396	0.41282636	0.276	0.118	1	19
Apbb1ip.4	0.00873147	0.26745229	0.414	0.202	1	19
Sem1.9	0.0087326	0.43760616	0.828	0.548	1	19
Cox6c.5	0.00916675	0.31594889	0.724	0.446	1	19
Rpl18a.9	0.00934091	-0.3477127	1	0.962	1	19
Nr4a2.5	0.00971457	0.59140971	0.414	0.201	1	19
Sat1.12	0.00984723	0.34148832	0.586	0.338	1	19
Id2.8	0.00996501	0.37571883	0.414	0.214	1	19
Cox6a2	0	2.87076537	0.875	0.003	0	20
Ccr9	0	2.21786159	0.792	0.004	0	20
Klk1	0	1.61681627	0.333	0	0	20
Dntt	0	1.44768803	0.458	0.002	0	20
Gm21762	0	1.37461019	0.5	0	0	20
Atp2a1	0	1.18577271	0.417	0.001	0	20

Klk1b27	0	1.01949247	0.375	0.001	0	20
Grm8	0	0.95672126	0.333	0	0	20
Obscn	0	0.94336213	0.417	0	0	20
Sh3bgr	5.53E-292	0.85340083	0.292	0.001	9.09E-288	20
Lrp8	4.32E-289	1.17684417	0.375	0.001	7.11E-285	20
Smim5	9.68E-222	1.63554884	0.583	0.006	1.59E-217	20
Pacsin1	8.36E-170	1.85643286	0.75	0.015	1.37E-165	20
Atp1b1	9.40E-149	2.0845708	0.917	0.027	1.55E-144	20
Siglech	2.54E-142	3.2393252	1	0.035	4.18E-138	20
Cd300c	1.02E-129	0.86405165	0.292	0.003	1.68E-125	20
Klra17	4.02E-125	0.95926963	0.292	0.003	6.62E-121	20
Runx2	1.17E-121	1.85239416	0.708	0.019	1.92E-117	20
Rpgrip1	7.30E-113	1.30448836	0.5	0.01	1.20E-108	20
Mctp2	6.43E-106	1.05277026	0.458	0.009	1.06E-101	20
Lefty1	3.33E-101	1.01511034	0.333	0.005	5.48E-97	20
Traf4	2.86E-83	1.51869756	0.583	0.019	4.71E-79	20
Slpi.2	1.95E-75	1.28414915	0.542	0.018	3.20E-71	20
Upb1	7.33E-65	1.73352595	0.708	0.037	1.21E-60	20
Cyb561a3	7.59E-64	1.81454359	0.833	0.053	1.25E-59	20
Nek6	4.96E-63	1.24219018	0.5	0.019	8.17E-59	20
Sla2	3.72E-59	1.42207262	0.583	0.027	6.12E-55	20
Lag3.2	6.68E-55	1.03339704	0.5	0.021	1.10E-50	20
Lair1.1	1.33E-51	1.5087563	0.75	0.051	2.19E-47	20
Rnase6.2	3.75E-49	1.96243689	0.958	0.098	6.16E-45	20
Cd7.1	9.06E-43	1.53778004	0.708	0.055	1.49E-38	20
N4bp3	1.44E-42	0.83631396	0.292	0.009	2.37E-38	20
Slc41a2	1.18E-41	1.05764825	0.375	0.016	1.94E-37	20
Slc44a2	4.69E-39	1.33971851	0.667	0.053	7.71E-35	20
Sell	1.92E-37	1.53524444	0.833	0.086	3.16E-33	20
Tbc1d8.3	1.12E-35	1.35610764	0.583	0.046	1.84E-31	20
P2ry14	1.01E-33	1.08478487	0.333	0.016	1.67E-29	20
Csf2rb2.1	6.52E-33	1.22668106	0.458	0.031	1.07E-28	20
Ctsl.4	9.55E-33	2.03666455	0.917	0.136	1.57E-28	20
Bst2.2	2.41E-31	2.69243435	1	0.216	3.96E-27	20
Emid1	2.43E-30	0.80217455	0.292	0.013	3.99E-26	20
Nucb2	2.45E-30	1.08635361	0.542	0.045	4.02E-26	20
Srgap3	9.44E-29	1.07778081	0.333	0.019	1.55E-24	20
Irf8.4	3.25E-28	2.10008859	1	0.229	5.35E-24	20
Dnajc7.3	4.37E-28	1.47217442	0.917	0.149	7.18E-24	20
Rell1	1.44E-27	1.37182792	0.625	0.067	2.36E-23	20
Gapt	2.15E-27	0.97963597	0.333	0.019	3.54E-23	20
Tmem229b	3.56E-27	1.13079666	0.5	0.043	5.85E-23	20
Ly6c2.1	3.59E-27	1.49292995	0.583	0.058	5.91E-23	20

Sirt3	7.76E-27	0.82492154	0.292	0.015	1.28E-22	20
Tsc22d1	1.07E-26	1.39199868	0.5	0.044	1.77E-22	20
Iglc3.4	3.06E-26	1.29664485	0.833	0.114	5.04E-22	20
Plac8.3	2.18E-25	1.66044714	0.917	0.166	3.58E-21	20
Mpeg1.5	5.18E-25	1.71260895	0.958	0.201	8.53E-21	20
Ppfia4.1	6.11E-25	1.18473757	0.542	0.055	1.01E-20	20
Arid3a	6.15E-25	0.99255207	0.417	0.033	1.01E-20	20
Snx18	4.54E-24	1.2363931	0.583	0.064	7.47E-20	20
Klrd1.2	1.06E-23	1.11424388	0.583	0.065	1.74E-19	20
Tifa	1.08E-23	1.15175385	0.542	0.057	1.77E-19	20
Slc15a4	2.09E-23	1.13128125	0.458	0.042	3.44E-19	20
Tcf4.3	3.87E-23	1.35850962	0.875	0.151	6.37E-19	20
Tspan13.5	2.04E-22	1.48881797	0.875	0.163	3.36E-18	20
Edem2.2	2.38E-22	1.01091765	0.542	0.06	3.92E-18	20
R3hdm4	5.57E-22	1.25412567	0.75	0.116	9.15E-18	20
Cd300lf	6.98E-22	0.7651716	0.292	0.019	1.15E-17	20
Khk.2	1.32E-21	1.06460701	0.458	0.046	2.17E-17	20
Ptprs	8.47E-21	1.30242609	0.375	0.033	1.39E-16	20
Ncf1.4	9.82E-21	1.50029213	0.792	0.144	1.61E-16	20
Ldhb	1.23E-20	0.74957913	0.417	0.038	2.03E-16	20
Npc1	1.51E-20	1.28253467	0.458	0.048	2.49E-16	20
Dap.1	1.79E-20	1.28755328	0.708	0.114	2.95E-16	20
Flt3.3	3.48E-20	0.79997447	0.417	0.04	5.72E-16	20
Arhgap24	4.66E-20	0.70934436	0.333	0.026	7.67E-16	20
Spib.1	5.39E-20	1.07304017	0.417	0.04	8.87E-16	20
Kmo	1.09E-19	1.20117506	0.417	0.043	1.80E-15	20
Scap	1.81E-19	0.68852666	0.292	0.021	2.97E-15	20
Adpgk	3.84E-19	0.96451856	0.375	0.035	6.31E-15	20
St8sia4.1	5.60E-19	1.4886849	0.708	0.124	9.21E-15	20
AU040320	6.24E-19	0.89116426	0.375	0.035	1.03E-14	20
Syne2	6.57E-19	0.87486602	0.375	0.035	1.08E-14	20
Clec9a.1	7.15E-19	0.99500384	0.333	0.028	1.18E-14	20
Ccl4.3	9.12E-19	1.17399725	0.75	0.13	1.50E-14	20
Sec24d	1.73E-18	0.62770672	0.292	0.022	2.84E-14	20
Rps6ka1	6.33E-18	1.21867646	0.625	0.102	1.04E-13	20
Hpse	1.05E-17	0.79232513	0.333	0.03	1.73E-13	20
Mvb12a.2	1.37E-17	1.26610878	0.625	0.104	2.25E-13	20
Pafah1b3.2	3.68E-17	1.03438717	0.542	0.076	6.06E-13	20
Jaml.2	4.31E-17	0.90134891	0.5	0.066	7.10E-13	20
Pycr2	1.09E-16	0.75321933	0.417	0.047	1.80E-12	20
Fes.1	1.22E-16	1.0236343	0.583	0.092	2.01E-12	20
Sema4b	1.60E-16	1.06733593	0.292	0.025	2.64E-12	20
Scimp	3.89E-16	0.89349779	0.333	0.033	6.41E-12	20

Fyn.1	5.38E-16	1.09620619	0.5	0.072	8.85E-12	20
Selplg.11	1.75E-15	1.26456953	0.958	0.304	2.88E-11	20
Gsn.4	1.81E-15	0.98767316	0.75	0.146	2.98E-11	20
Pgls.1	2.63E-15	1.40489433	0.917	0.284	4.32E-11	20
Grn.15	3.91E-15	1.42403381	1	0.374	6.42E-11	20
Tmem106c	4.58E-15	0.70905515	0.333	0.034	7.53E-11	20
1700017B05R	5.10E-15	0.63998124	0.333	0.034	8.39E-11	20
Bcl11a	1.31E-14	1.00082559	0.417	0.055	2.16E-10	20
Pmepa1	1.48E-14	0.56552873	0.292	0.027	2.43E-10	20
Tyrobp.17	1.57E-14	1.26972686	1	0.607	2.58E-10	20
Rabgap1l.2	2.21E-14	0.81255362	0.542	0.084	3.64E-10	20
Hmgn3	2.85E-14	0.7368771	0.292	0.029	4.69E-10	20
Uso1	4.91E-14	0.89603371	0.417	0.056	8.07E-10	20
Stambpl1	5.03E-14	0.7303473	0.292	0.029	8.27E-10	20
Cdip1	8.66E-14	0.7219586	0.292	0.029	1.43E-09	20
Gpr171.1	9.65E-14	1.03565176	0.5	0.079	1.59E-09	20
Pld4.13	1.51E-13	1.33321935	0.917	0.324	2.48E-09	20
Ap1ar	1.75E-13	0.70968812	0.292	0.03	2.88E-09	20
Rufy1	2.19E-13	0.94080625	0.375	0.049	3.60E-09	20
Dpf2	2.30E-13	0.79775532	0.417	0.057	3.78E-09	20
Gng10.4	4.33E-13	1.1158959	0.792	0.212	7.12E-09	20
Rpl31.3	7.60E-13	1.16194469	1	0.495	1.25E-08	20
Xbp1.2	8.97E-13	1.25001484	0.708	0.171	1.48E-08	20
Blnk.2	9.05E-13	0.95305019	0.625	0.125	1.49E-08	20
Fcrla.2	9.23E-13	0.92303025	0.458	0.073	1.52E-08	20
Tmed3.1	5.31E-12	0.85179963	0.625	0.131	8.74E-08	20
Cmah.1	6.62E-12	0.97099788	0.458	0.077	1.09E-07	20
Gnas.4	9.22E-12	1.17992642	1	0.472	1.52E-07	20
Rnaset2b.2	1.05E-11	0.99607683	0.792	0.217	1.73E-07	20
Plaur.2	1.73E-11	1.21966146	0.5	0.1	2.85E-07	20
Glrx3	1.86E-11	0.75342911	0.583	0.118	3.06E-07	20
Aaed1	2.18E-11	0.58527172	0.333	0.044	3.58E-07	20
Aff3	2.63E-11	0.64248248	0.292	0.035	4.32E-07	20
Hs3st1.1	3.20E-11	0.53876487	0.375	0.054	5.26E-07	20
Adssl1	3.21E-11	0.76667016	0.333	0.046	5.29E-07	20
Cd180.1	3.32E-11	0.91858847	0.542	0.108	5.47E-07	20
Cdkn2d.1	4.79E-11	0.69112764	0.375	0.057	7.88E-07	20
Slamf9.2	4.97E-11	0.93648858	0.542	0.111	8.17E-07	20
Zbtb38	6.58E-11	0.59383821	0.375	0.056	1.08E-06	20
Sec61b.10	8.00E-11	0.94763329	1	0.481	1.32E-06	20
Fgfr1op2	1.54E-10	0.8201378	0.625	0.147	2.53E-06	20
Cybb.14	2.13E-10	0.92151799	0.917	0.327	3.50E-06	20
Rnf187.2	2.25E-10	1.01004313	0.708	0.191	3.71E-06	20

Pkig.2	2.88E-10	0.76212253	0.667	0.16	4.73E-06	20
H13.5	3.08E-10	1.04424908	0.667	0.181	5.06E-06	20
Fam46c.1	3.11E-10	0.64047347	0.333	0.049	5.12E-06	20
Nceh1.1	3.21E-10	0.57948405	0.333	0.048	5.29E-06	20
Gltp.11	3.99E-10	0.94541248	0.792	0.256	6.57E-06	20
Zmiz2	4.58E-10	0.68164106	0.417	0.073	7.54E-06	20
Uvrag.3	5.75E-10	0.81429114	0.667	0.171	9.45E-06	20
Map3k1	6.64E-10	0.76171464	0.5	0.104	1.09E-05	20
Golgb1	7.31E-10	0.87939646	0.542	0.119	1.20E-05	20
Fam174a.1	7.73E-10	0.67402169	0.667	0.161	1.27E-05	20
Abhd17a	1.39E-09	0.63958859	0.417	0.076	2.29E-05	20
Ifnar2.3	1.39E-09	0.95743068	0.667	0.189	2.29E-05	20
Psap.15	1.70E-09	0.88087679	1	0.675	2.79E-05	20
Trim25.1	2.05E-09	1.10691578	0.542	0.131	3.37E-05	20
Cnp.2	2.24E-09	0.954882	0.542	0.124	3.69E-05	20
Coro2a	2.63E-09	0.72440227	0.375	0.066	4.33E-05	20
Snx5.15	2.67E-09	0.7729266	0.917	0.315	4.38E-05	20
Il7r.4	2.86E-09	0.69624331	0.417	0.078	4.71E-05	20
Fth1.16	3.67E-09	0.73405169	1	0.958	6.04E-05	20
Syngn2.12	4.31E-09	1.08516385	0.75	0.246	7.09E-05	20
Cib1	4.98E-09	0.69499215	0.458	0.094	8.19E-05	20
Abhd17b	5.65E-09	0.97373494	0.375	0.071	9.29E-05	20
Gtf2i	6.05E-09	0.64808823	0.417	0.08	9.94E-05	20
Fyb.13	6.79E-09	0.73442201	0.792	0.248	0.00011169	20
Ech1	8.64E-09	0.77679356	0.5	0.115	0.00014212	20
Pltp.19	9.32E-09	0.81501152	0.917	0.335	0.00015337	20
Grasp.3	9.95E-09	1.04787586	0.333	0.059	0.00016363	20
Spcs3.1	1.22E-08	0.66529418	0.417	0.083	0.00020111	20
Rexo2.3	1.35E-08	0.79796967	0.625	0.171	0.00022254	20
Man1a2	1.52E-08	0.70449384	0.375	0.071	0.00025072	20
Hyou1.1	2.24E-08	0.53299605	0.333	0.058	0.00036909	20
Trappc5	2.33E-08	0.88844244	0.417	0.088	0.0003825	20
Smc6.1	2.76E-08	0.78344886	0.5	0.122	0.00045336	20
Ctsh.14	2.82E-08	0.90386138	0.875	0.384	0.00046446	20
Rac2.14	3.00E-08	0.80719901	0.958	0.48	0.00049387	20
Nedd9	3.18E-08	0.6642209	0.375	0.073	0.00052336	20
Pip5k1c.1	3.31E-08	0.71194505	0.375	0.074	0.00054504	20
Plekhm3	3.42E-08	0.68370962	0.333	0.061	0.00056195	20
Cd164.1	3.79E-08	0.76479421	0.5	0.121	0.00062417	20
Uggt1	4.02E-08	0.69752768	0.375	0.075	0.00066206	20
Apobec3.4	4.15E-08	0.89737524	0.625	0.192	0.00068329	20
Gm5617.1	4.45E-08	0.52622232	0.292	0.047	0.00073176	20
Parvg	4.78E-08	0.8063526	0.292	0.049	0.00078681	20

Svbp	5.08E-08	0.86780273	0.375	0.076	0.00083566	20
Tmem258.2	5.52E-08	0.72539044	0.75	0.252	0.00090844	20
Ssr1	6.36E-08	0.67833039	0.417	0.09	0.00104638	20
Sp140.3	6.45E-08	0.88211822	0.583	0.168	0.00106126	20
Atp13a2	6.70E-08	0.62668216	0.333	0.06	0.00110239	20
Slc38a1	7.80E-08	0.77258731	0.5	0.129	0.00128258	20
Rilpl2.4	9.02E-08	0.86611632	0.667	0.215	0.00148365	20
Tagln2.13	1.05E-07	0.79833858	0.958	0.488	0.00171988	20
Dync1h1	1.05E-07	0.89352678	0.583	0.163	0.00172497	20
Ubxn4.1	1.07E-07	0.90207535	0.542	0.159	0.00176537	20
Cyth4.3	1.21E-07	0.87002081	0.667	0.231	0.00199798	20
Tapbp.1	1.82E-07	0.61320312	0.75	0.242	0.00299541	20
Ell2	1.96E-07	0.6917871	0.292	0.052	0.00323074	20
Emc10	2.13E-07	0.6334298	0.542	0.145	0.00349758	20
Ctsb.17	2.31E-07	0.63836126	1	0.474	0.00379911	20
Stx7.1	2.45E-07	0.77921107	0.542	0.155	0.00402364	20
Ramp1.4	2.59E-07	0.59743501	0.5	0.129	0.00426059	20
Dock10.4	2.73E-07	0.57909946	0.667	0.201	0.00449276	20
Serp1.9	3.11E-07	0.70985907	0.875	0.374	0.00511431	20
Csf2rb.5	3.13E-07	0.8481472	0.458	0.123	0.00514323	20
Tmem55b	3.48E-07	0.58650918	0.458	0.111	0.00572366	20
Ubl7	3.53E-07	0.57709042	0.333	0.066	0.00581051	20
Selenos.2	3.56E-07	0.84004128	0.5	0.145	0.00585293	20
Cd47.3	4.18E-07	0.77611412	0.792	0.348	0.00688056	20
Sik1.1	5.06E-07	0.59673457	0.458	0.114	0.00831987	20
Txndc5.1	5.06E-07	0.8004946	0.375	0.082	0.00833111	20
Rogdi.3	5.10E-07	0.58385876	0.333	0.067	0.00838863	20
Junb.14	5.21E-07	-1.3426287	0.583	0.844	0.00857284	20
Fam3c	5.31E-07	0.77575355	0.375	0.084	0.00873258	20
Dusp1.12	6.31E-07	-2.4412904	0.083	0.607	0.01037869	20
Slc35c2	6.36E-07	0.56052449	0.333	0.069	0.01046857	20
Ptpn6.9	6.87E-07	0.87051894	0.667	0.257	0.01129958	20
Ctso	6.93E-07	0.6464065	0.292	0.055	0.01139416	20
Card11.1	7.45E-07	0.91364172	0.333	0.072	0.01225725	20
Emc2	8.21E-07	0.52410006	0.333	0.069	0.01349745	20
Irf7.1	8.32E-07	0.60374739	0.292	0.055	0.01368571	20
Tomm20.3	8.86E-07	0.6710259	0.708	0.252	0.01456646	20
Fam98c	1.06E-06	0.49651774	0.292	0.056	0.01746725	20
Tagap	1.11E-06	0.66939774	0.333	0.072	0.01820331	20
Apc	1.11E-06	0.51773303	0.292	0.056	0.01828978	20
Bloc1s2	1.17E-06	0.65865252	0.333	0.073	0.01922155	20
Ube2e1	1.18E-06	0.65425082	0.375	0.088	0.01941723	20
Ppp1r14b	1.22E-06	0.63597383	0.333	0.072	0.02013336	20

Mef2c.4	1.29E-06	0.62797181	0.708	0.24	0.02119694	20
Sash3	1.39E-06	0.62081864	0.333	0.072	0.02278298	20
Prkca.1	1.39E-06	0.58202032	0.333	0.071	0.02293368	20
Ywhae.2	1.58E-06	0.66167306	0.708	0.257	0.02592084	20
Lpgat1	1.85E-06	0.67053038	0.292	0.059	0.03045331	20
Ak2.2	2.05E-06	0.70543026	0.417	0.11	0.0337819	20
Smim14.3	2.07E-06	0.58404164	0.583	0.181	0.03400329	20
Prkcd.4	2.37E-06	0.62697642	0.583	0.182	0.03893884	20
Slc29a3	2.46E-06	0.50301015	0.292	0.058	0.04038324	20
Ptms.16	2.60E-06	0.66653971	0.75	0.286	0.04280967	20
Ndufs3.1	2.77E-06	0.60349636	0.458	0.127	0.04560199	20
Ptprcap.18	3.16E-06	0.43999105	0.792	0.264	0.05202322	20
Amfr	3.47E-06	0.55139259	0.333	0.075	0.05706163	20
Sun2	3.53E-06	0.59923147	0.417	0.109	0.05808771	20
Map7d1.1	3.61E-06	0.62315623	0.417	0.112	0.05944013	20
Tns1.1	3.80E-06	0.49125063	0.333	0.073	0.06244211	20
Snap29	3.82E-06	0.46448273	0.292	0.059	0.06291556	20
Rap1a.5	4.04E-06	0.7804858	0.667	0.273	0.06649821	20
Arf1.2	4.08E-06	0.61215555	0.792	0.329	0.06707041	20
Ccnd1.3	4.37E-06	0.63128888	0.458	0.131	0.07195883	20
Cnot8	4.39E-06	0.53982585	0.292	0.061	0.07221001	20
Arhgap17	4.42E-06	0.58998494	0.458	0.129	0.07275851	20
Arhgef6	4.50E-06	0.59610764	0.417	0.108	0.07400767	20
Mydgf	4.73E-06	0.6461447	0.333	0.079	0.07785987	20
Hsp90b1.7	5.38E-06	0.71362803	0.833	0.474	0.08855385	20
Reep5.5	5.52E-06	0.82680152	0.75	0.353	0.09078562	20
Gmps	5.53E-06	0.36772933	0.292	0.06	0.09103239	20
Etv6.1	6.09E-06	0.56981282	0.375	0.095	0.10011018	20
Sec11c.5	6.34E-06	0.62365004	0.708	0.261	0.10428494	20
Zyx.13	6.51E-06	0.5652646	0.708	0.262	0.10706198	20
Ddost.1	7.30E-06	0.69356069	0.583	0.205	0.12002768	20
Phf11b.2	7.30E-06	0.40660245	0.333	0.076	0.1201248	20
Il21r.3	7.72E-06	0.46489737	0.417	0.11	0.1270329	20
Cmtm7.3	8.04E-06	0.81363892	0.625	0.221	0.13222672	20
Crip1.15	8.07E-06	-1.8573408	0.542	0.721	0.13271186	20
Copg1	8.14E-06	0.49635917	0.292	0.063	0.13392391	20
Vcp.4	8.17E-06	0.60343057	0.667	0.259	0.13437911	20
Dctn3.1	8.22E-06	0.49697668	0.542	0.165	0.13514527	20
Abcg1.1	8.45E-06	0.64940045	0.292	0.065	0.13904869	20
Atraid	9.10E-06	0.61391159	0.375	0.098	0.14970442	20
Fgr.3	1.05E-05	0.48508515	0.292	0.065	0.17251097	20
Tmsb4x.14	1.06E-05	-0.6389689	1	0.993	0.17426674	20
D10Jhu81e	1.07E-05	0.45020314	0.292	0.064	0.17557528	20

Ly6d.15	1.11E-05	1.27835224	0.667	0.307	0.18194974	20
Ivns1abp.1	1.14E-05	0.56136109	0.333	0.081	0.18714986	20
H2-Ab1.9	5.30E-06	-3.01928	0.07	0.724	8.72E-56	12
Lgals1.14	1.32E-05	0.63956251	0.833	0.402	0.21643666	20
Herpud1.6	1.33E-05	0.67596116	0.542	0.185	0.2191549	20
Runx3.1	1.34E-05	0.48448165	0.375	0.097	0.21985221	20
Commd6	1.36E-05	0.52446815	0.292	0.066	0.2228846	20
Pdia3.3	1.36E-05	0.62006135	0.875	0.368	0.22435528	20
Ly6e.13	1.38E-05	0.59772699	0.958	0.75	0.22710358	20
Mrpl43	1.46E-05	0.44292939	0.375	0.097	0.23974163	20
Lrrc59	1.48E-05	0.49376256	0.292	0.066	0.24304727	20
11-Sep	1.50E-05	0.62854058	0.333	0.084	0.24720757	20
Jund.13	1.52E-05	-1.4939307	0.292	0.684	0.24940803	20
Manf.2	1.58E-05	0.58694803	0.583	0.203	0.25938351	20
Unc93b1.9	1.60E-05	0.50572978	0.958	0.461	0.26279603	20
Itgal.4	1.61E-05	0.57136904	0.417	0.117	0.26509458	20
Lyz2.19	1.65E-05	-2.9520805	0.125	0.556	0.27100053	20
Arl5c.3	1.66E-05	0.59145161	0.292	0.068	0.2725401	20
Cops4	1.66E-05	0.60084803	0.292	0.068	0.27302117	20
Gns.3	1.67E-05	0.64119929	0.5	0.157	0.27388114	20
Rpl10-ps3.6	1.70E-05	0.45240042	1	0.893	0.27940057	20
Itpr1.1	1.75E-05	0.55949011	0.333	0.084	0.28787769	20
Dctn6	1.82E-05	0.51183748	0.292	0.067	0.29944597	20
Hnrnpul1	1.96E-05	0.49095254	0.458	0.136	0.32297669	20
Pik3ap1	2.00E-05	0.68304048	0.333	0.086	0.32862606	20
Sec13	2.00E-05	0.65288004	0.375	0.105	0.32892592	20
Pqbp1	2.10E-05	0.50672645	0.292	0.067	0.3448495	20
Top1	2.13E-05	0.59986337	0.625	0.236	0.35004406	20
Rbm47.1	2.43E-05	0.51329829	0.292	0.067	0.3993064	20
1110008P14R	2.57E-05	0.61225417	0.375	0.106	0.42204538	20
Mdp1	2.64E-05	0.48590611	0.292	0.068	0.43428884	20
Rbm38	2.97E-05	0.4411914	0.292	0.068	0.48772774	20
Dnajc1	2.97E-05	0.47759957	0.292	0.069	0.48875166	20
Orai3	3.21E-05	0.48855968	0.292	0.069	0.52727727	20
Eif5a.5	3.72E-05	0.65081778	0.875	0.423	0.61139741	20
Tmed2.2	3.72E-05	0.57524909	0.667	0.257	0.61252748	20
Ptpre.3	3.80E-05	0.51432769	0.458	0.144	0.62523563	20
Psemb1.6	3.82E-05	0.65175674	0.708	0.31	0.62769167	20
Chd9	4.26E-05	0.70621547	0.375	0.111	0.70142446	20
mt-Co1.5	4.70E-05	0.32260235	1	0.989	0.77290917	20
Pdia6.2	4.83E-05	0.6953032	0.542	0.203	0.79476022	20
Ebp	5.00E-05	0.49617686	0.333	0.089	0.82201075	20
Psemb8.9	5.07E-05	0.61089782	0.875	0.478	0.83453303	20

Rnaset2a.8	5.25E-05	0.62975601	0.667	0.277	0.86417103	20
Senp6	5.87E-05	0.67904926	0.333	0.094	0.96629479	20
Ucp2.9	5.94E-05	0.55601983	0.917	0.597	0.97626223	20
Ddx47	6.04E-05	0.41378878	0.292	0.071	0.9935824	20
Tgfb1.7	6.17E-05	0.56004799	0.75	0.327	1	20
BC031181	6.43E-05	0.57337103	0.375	0.112	1	20
Eprs.2	6.98E-05	0.45135414	0.417	0.128	1	20
Sin3b	7.63E-05	0.64462736	0.458	0.156	1	20
Lsp1.15	7.86E-05	0.44620685	0.875	0.395	1	20
Nek7	8.45E-05	0.33849981	0.375	0.105	1	20
Hmgb1.7	8.68E-05	0.56045576	0.833	0.418	1	20
Mtdh.2	9.04E-05	0.54679469	0.75	0.351	1	20
Rbm42	9.49E-05	0.35031788	0.458	0.145	1	20
Rrbp1.13	9.56E-05	0.6125088	0.708	0.347	1	20
H2-Eb1.5	1.03E-124	-3.0579922	0.095	0.74	1.69E-120	7
Creld2.1	0.00010067	0.35540979	0.292	0.074	1	20
Stt3a	0.00010362	0.41443647	0.292	0.075	1	20
Hmox2.1	0.00010457	0.65047219	0.458	0.156	1	20
Tmed9.1	0.00010911	0.54778917	0.542	0.206	1	20
Dnajb11.1	0.00011754	0.41276288	0.375	0.111	1	20
Ttc14	0.00011773	0.41842573	0.333	0.093	1	20
Hectd1.1	0.00011964	0.45942049	0.5	0.175	1	20
Tmem176b.14	0.00012112	-1.8366051	0.042	0.44	1	20
Cct8.1	0.00012162	0.56757197	0.458	0.16	1	20
BC004004	0.00012277	0.55308435	0.375	0.114	1	20
Gdi2.8	0.00012293	0.76477017	0.75	0.374	1	20
Ly6a.7	0.0001235	0.48424717	0.5	0.174	1	20
Ndufs8	0.00012457	0.5797824	0.417	0.14	1	20
Med10.1	0.00012466	0.36480885	0.292	0.074	1	20
Gpcpd1.4	0.00012628	0.50767173	0.458	0.156	1	20
Srp19	0.00012745	0.53244879	0.375	0.115	1	20
Atp5c1.6	0.00012815	0.68709375	0.708	0.342	1	20
Rsrp1	0.00013466	0.56178925	0.5	0.188	1	20
Ufm1	0.00014194	0.73728179	0.292	0.082	1	20
Prkcb.1	0.00014525	0.356353	0.458	0.148	1	20
Cytip.11	0.00014697	0.55741685	0.708	0.326	1	20
Xist.9	0.00014818	0.60065382	0.875	0.473	1	20
Mzb1.3	0.00014829	0.45727517	0.375	0.111	1	20
Fndc3a	0.00016324	0.43986504	0.292	0.077	1	20
Hnrnpa2b1.4	0.00016361	0.51741274	0.875	0.552	1	20
Gstp1.8	0.0001724	0.41825957	0.708	0.296	1	20
B4galnt1.4	0.00017264	0.42512009	0.458	0.155	1	20
Skap2.2	0.00017553	0.50034396	0.375	0.119	1	20

Usp4	0.00018217	0.41163311	0.292	0.078	1	20
Clic4.15	0.00018341	0.43978808	0.625	0.251	1	20
Vim.15	0.00020237	-1.4071482	0.333	0.623	1	20
Ifitm3.16	0.00020498	-1.4725633	0.083	0.492	1	20
Psme2.8	0.00020839	0.57658515	0.667	0.334	1	20
Lsm12.1	0.0002135	0.54292467	0.375	0.122	1	20
Laptm5.7	0.0002297	0.46844858	0.958	0.654	1	20
Mtpn.1	0.00023199	0.34631432	0.458	0.154	1	20
Cd83.15	0.00023707	-1.6521903	0.125	0.472	1	20
Mbnl1.6	0.00024502	0.4500643	0.75	0.339	1	20
Dennd4a.6	0.00024875	0.3763774	0.625	0.242	1	20
Ndufa3	0.00025902	0.36883711	0.625	0.245	1	20
Mapre1.1	0.00026557	0.42031643	0.458	0.157	1	20
Tra2a.1	0.00026563	0.41374793	0.458	0.157	1	20
Foxo1	0.0002695	0.40536551	0.333	0.098	1	20
Nolc1	0.00026978	0.5283214	0.292	0.083	1	20
Rtf2.1	0.00027071	0.53877783	0.333	0.102	1	20
Ctcf.1	0.00028236	0.4680919	0.333	0.101	1	20
Otub1	0.00028305	0.43450077	0.333	0.1	1	20
Litaf.10	0.00028746	0.49194607	0.625	0.262	1	20
Gusb.3	0.00029068	0.39335445	0.375	0.118	1	20
Rgs10.14	0.00029382	0.43834909	0.667	0.274	1	20
Gadd45gip1	0.00029421	0.49441356	0.292	0.083	1	20
Alox5ap.18	0.00030029	0.53096077	0.792	0.396	1	20
Napa	0.00031069	0.60320377	0.333	0.107	1	20
Itpr2.1	0.00033073	0.35184254	0.292	0.08	1	20
Cope.2	0.00033087	0.46507738	0.5	0.191	1	20
Ccl6.18	0.00033249	-1.9600889	0.042	0.414	1	20
Prr13.6	0.00033316	0.47654717	0.625	0.266	1	20
Tnfaip8.6	0.00033406	0.41542895	0.5	0.184	1	20
Pdia4.3	0.00033873	0.59042136	0.417	0.147	1	20
Pigt	0.00034485	0.39233906	0.333	0.1	1	20
Anapc5.1	0.00035026	0.47619072	0.417	0.144	1	20
Actr10	0.00036857	0.4069438	0.292	0.082	1	20
Stoml2	0.00037003	0.50493709	0.292	0.085	1	20
Ap3d1	0.00037009	0.33390558	0.333	0.099	1	20
Fam43a.1	0.00038494	0.28071832	0.333	0.097	1	20
Grina.1	0.00038642	0.49055463	0.375	0.125	1	20
Polr2m	0.00038831	0.46363439	0.292	0.084	1	20
Prdx5.13	0.00039868	0.39223978	0.75	0.334	1	20
Cd52.14	0.00043302	-1.0229926	0.667	0.734	1	20
Egr1.15	0.00043449	-2.1347065	0.125	0.459	1	20
Sec11a	0.00043764	0.48980987	0.375	0.124	1	20

Jun.16	0.00045287	-2.1588464	0.125	0.463	1	20
Tmed10.6	0.00045375	0.4416064	0.667	0.284	1	20
Marcksl1.15	0.00045986	-1.8409377	0.083	0.436	1	20
Bri3bp.4	0.0004642	0.45361709	0.375	0.125	1	20
Irf1.2	0.0004693	0.40733606	0.5	0.184	1	20
Spn.1	0.00047213	0.33957787	0.292	0.083	1	20
Ssr4.7	0.00048989	0.58297711	0.708	0.369	1	20
Dbnl.1	0.00050384	0.51308334	0.5	0.2	1	20
Ssr2.1	0.00051463	0.44633081	0.333	0.106	1	20
Mt1.15	0.00054254	-2.3882101	0.083	0.417	1	20
Tmem219	0.00056688	0.36793662	0.333	0.104	1	20
Rab24	0.0005793	0.41487879	0.333	0.105	1	20
Washc2	0.00059187	0.43715535	0.292	0.085	1	20
Mrfap1.2	0.00060389	0.53562119	0.625	0.272	1	20
Dnajc3.2	0.00061779	0.48818747	0.542	0.235	1	20
Eif3f.10	0.00064003	0.47107234	0.917	0.617	1	20
Hspa5.4	0.00068578	0.46909384	0.792	0.462	1	20
Tkt.3	0.00069729	0.3522137	0.542	0.215	1	20
Dusp5.9	0.00070063	0.48658743	0.542	0.229	1	20
Jtb	0.00071013	0.46993244	0.375	0.131	1	20
C1qc.19	0.00072307	-2.8345087	0	0.335	1	20
Tmem176a.13	0.00073003	-1.5785479	0	0.335	1	20
Ccnd3.4	0.00073891	0.56225712	0.417	0.16	1	20
Hmgn2.1	0.00075977	0.35592551	0.417	0.147	1	20
Leprot.1	0.0007647	0.55038199	0.292	0.091	1	20
Ccni.1	0.00076881	0.38332755	0.333	0.108	1	20
Skil.3	0.00078637	0.36208446	0.375	0.127	1	20
P2ry10.1	0.00079159	0.39120525	0.333	0.108	1	20
C1qa.19	0.00080065	-2.7118806	0	0.331	1	20
Psme1.10	0.00080136	0.48379066	0.792	0.403	1	20
Wfdc17.16	0.0008032	-1.8372346	0	0.331	1	20
Smg1	0.00080902	0.25860435	0.375	0.123	1	20
Per1.2	0.0008437	0.57353692	0.333	0.114	1	20
Cyfip2	0.00084554	0.31559487	0.333	0.106	1	20
Naga.1	0.00084829	0.37887668	0.292	0.089	1	20
Hmgn1.3	0.00085049	0.42575423	0.542	0.228	1	20
Ripor2	0.00085794	0.30314275	0.333	0.104	1	20
Ppia.8	0.00086284	0.34760852	0.958	0.888	1	20
Atf3.13	0.00086485	-1.6225142	0.208	0.508	1	20
Cct7	0.00088271	0.25928148	0.458	0.165	1	20
Srsf3.2	0.00089491	0.42748858	0.583	0.248	1	20
Cd44.6	0.00091771	0.53559517	0.458	0.192	1	20
Mybbp1a	0.0009188	0.32654624	0.292	0.087	1	20

Uchl3.3	0.00096811	0.3098597	0.292	0.088	1	20
Nptn	0.00099468	0.25422129	0.375	0.125	1	20
Hnrnpa3.3	0.00100486	0.45050365	0.875	0.502	1	20
P4hb.2	0.00101145	0.47845181	0.542	0.236	1	20
Rnh1.3	0.00104117	0.58038275	0.417	0.16	1	20
Stt3b	0.00104854	0.41703691	0.292	0.092	1	20
Saraf.4	0.00111994	0.37618391	0.458	0.173	1	20
Rab11b	0.00115581	0.27279431	0.5	0.19	1	20
Snapc5	0.00116486	0.36789541	0.292	0.091	1	20
Sept9.6	0.00117851	0.41106221	0.417	0.158	1	20
Eif4g1	0.00125423	0.32037666	0.458	0.174	1	20
Ppp1r15a.10	0.00127791	-1.329884	0.042	0.358	1	20
Ndufb2	0.00127806	0.39121537	0.417	0.158	1	20
Ppp1r11.1	0.00129529	0.3672649	0.458	0.178	1	20
M6pr.3	0.00129778	0.34753036	0.458	0.177	1	20
Tram1.1	0.00133133	0.28161891	0.375	0.131	1	20
Eef2.6	0.00134056	0.43335358	0.958	0.731	1	20
Cox7c.3	0.00138743	0.31425807	0.875	0.443	1	20
Tmem30a	0.00140466	0.41096859	0.375	0.136	1	20
Mff	0.00141165	0.46314181	0.292	0.094	1	20
Pf4.20	0.00142808	-2.6232343	0	0.307	1	20
Atp2b1.10	0.00146302	-1.3311483	0.042	0.348	1	20
Pcif1	0.00146492	0.50703907	0.292	0.097	1	20
Ier2.16	0.00147963	-1.1336373	0.25	0.557	1	20
Acaa1a.1	0.00148354	0.26593675	0.333	0.11	1	20
Ifngr1.12	0.00150269	-1.4015503	0.083	0.383	1	20
Tpd52.2	0.00158208	0.39644984	0.417	0.16	1	20
Stk4.3	0.00158413	0.51559972	0.417	0.162	1	20
Fam107b.4	0.00160596	0.33051987	0.458	0.18	1	20
Npc2.15	0.00162593	0.38356778	0.958	0.511	1	20
H2-Aa.9	1.88E-64	-3.0836238	0.091	0.759	3.08E-60	12
Nrd1	0.00175538	0.37869799	0.333	0.116	1	20
Ssna1.1	0.00178207	0.30251915	0.292	0.094	1	20
Spcs1.2	0.00185838	0.35625561	0.542	0.232	1	20
Krtcap2.5	0.00189121	0.50867134	0.625	0.295	1	20
Mrpl17	0.00195301	0.30403761	0.333	0.114	1	20
Apoe.18	0.0019615	-2.7518043	0.208	0.471	1	20
Acadl	0.00196831	0.46916272	0.292	0.099	1	20
Ube3a	0.00199022	0.4471213	0.375	0.14	1	20
Ifitm2.17	0.00202074	-1.3607541	0.083	0.392	1	20
Sod2.1	0.00203672	0.38360507	0.333	0.118	1	20
Gpi1.3	0.00204104	0.4076729	0.667	0.312	1	20
Atp5b.5	0.0021045	0.31002536	0.75	0.359	1	20

Ctsz.12	0.0021209	0.53211225	0.625	0.352		1	20
Tax1bp1.4	0.00212279	0.47741574	0.583	0.274		1	20
Cdk4.1	0.00212441	0.41542439	0.375	0.141		1	20
G3bp1.1	0.00230422	0.43812827	0.417	0.172		1	20
Sec61g.5	0.00231472	0.347723	0.708	0.345		1	20
Cd81.10	0.0023277	-1.3297855	0	0.287		1	20
Rhog.6	0.00235363	0.37386731	0.625	0.291		1	20
Bscl2	0.00235757	0.36736895	0.292	0.098		1	20
Psm2.4	0.00235988	0.27601323	0.542	0.227		1	20
S100a10.16	0.00237621	-1.2875212	0.208	0.461		1	20
Arpc3.4	0.00241886	0.47155415	0.833	0.525		1	20
Slc25a4.1	0.0024495	0.40364535	0.292	0.099		1	20
Rb1cc1	0.0024588	0.27220411	0.292	0.096		1	20
H2-Aa.6	1.19E-137	-3.1975056	0.095	0.777	1.95E-133		7
Ier3.14	0.00249748	-1.8035693	0.042	0.326		1	20
Thrap3.1	0.00255288	0.35990224	0.417	0.164		1	20
Klf4.14	0.00255554	-1.6590454	0.083	0.376		1	20
Cyc1	0.00257016	0.30194021	0.375	0.139		1	20
Ctsa.15	0.00260038	0.28542122	0.625	0.283		1	20
Stk17b.11	0.00262462	0.47734395	0.75	0.436		1	20
Rnf13	0.00266133	0.46310086	0.292	0.102		1	20
Tubb2a.3	0.00267725	0.41224946	0.292	0.1		1	20
Fcgr2b.11	0.0027426	-1.2575345	0	0.279		1	20
Gm8797.1	0.00282988	0.3386938	0.5	0.208		1	20
Epn1	0.00288156	0.33969581	0.458	0.191		1	20
Rplp1.6	0.00294315	-0.4020278	0.917	0.974		1	20
Nsmce4a	0.00297858	0.3262075	0.292	0.1		1	20
Csf1r.18	0.00297982	-1.4747233	0.042	0.334		1	20
Tm9sf2	0.00299848	0.2889675	0.333	0.119		1	20
Glr5	0.00305817	0.29497158	0.292	0.098		1	20
Nfkbiz.14	0.00306901	-1.3317954	0.167	0.442		1	20
AC149090.1	0.00307854	0.39804817	0.333	0.123		1	20
Mpc1.1	0.00313638	0.40574953	0.458	0.199		1	20
Ighm.15	0.00313985	-0.4067046	0.833	0.413		1	20
Got1.3	0.00318837	0.38249082	0.292	0.102		1	20
Cct5	0.00318922	0.40465473	0.458	0.197		1	20
C1qb.19	0.00324202	-2.4990761	0.083	0.353		1	20
Tecr.1	0.00325102	0.30689089	0.417	0.166		1	20
Grcc10.5	0.00329675	0.34769115	0.75	0.399		1	20
Papola	0.00353835	0.59667035	0.333	0.137		1	20
Snx9	0.00354973	0.54495058	0.375	0.159		1	20
Rnf149.2	0.00361087	0.41249897	0.292	0.104		1	20
Ptpn1.4	0.00363935	0.32045956	0.542	0.246		1	20

Sema4d.1	0.00370469	0.35485023	0.333	0.123	1	20
Ndufs2.1	0.00376837	0.29129166	0.375	0.145	1	20
Arpc1a	0.00384946	0.43400562	0.333	0.127	1	20
Sdc4.2	0.00385089	0.36063898	0.458	0.197	1	20
Klf6.14	0.00385247	-1.3108858	0.333	0.531	1	20
Birc6.1	0.00385343	0.42273134	0.417	0.176	1	20
Ufc1	0.0038968	0.30856102	0.375	0.147	1	20
Arl6ip5.2	0.0039495	0.28557925	0.417	0.166	1	20
Mrc1.18	0.003987	-1.7094496	0.042	0.306	1	20
Mxd4	0.00406815	0.25764838	0.333	0.121	1	20
Selenop.18	0.00412675	-2.225853	0.167	0.417	1	20
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Psmb10.2	0.00419637	0.31600706	0.458	0.195	1	20
Oaz1.5	0.00455741	0.30272687	0.958	0.775	1	20
Smc1a.1	0.0045764	0.39579552	0.375	0.153	1	20
Sp110	0.00463174	0.37823337	0.333	0.128	1	20
Uqcrc2	0.00468539	0.27006454	0.333	0.124	1	20
Cd68.14	0.0047315	0.29298959	0.583	0.271	1	20
Tnrc6b.1	0.00480904	0.29645947	0.333	0.124	1	20
Smdt1.8	0.00482593	0.28196847	0.708	0.351	1	20
Dynll1.2	0.00498231	0.34125272	0.625	0.307	1	20
Cbfa2t3.5	0.00511101	0.34164429	0.375	0.152	1	20
Clec12a.3	0.00528461	0.4988279	0.292	0.111	1	20
Ablim1.3	0.0053674	0.38140333	0.333	0.127	1	20
Scand1.4	0.00542896	0.45096205	0.625	0.335	1	20
Eif3l.1	0.00545986	0.25179264	0.292	0.105	1	20
Cyfip1.4	0.00553155	0.36121615	0.417	0.177	1	20
Gatad2b	0.00569659	0.31654508	0.292	0.107	1	20
Atp6v1d.1	0.00592708	0.55914784	0.292	0.116	1	20
Lyn.8	0.00595582	0.55824788	0.5	0.241	1	20
Baz1b.1	0.00608784	0.35870063	0.292	0.109	1	20
Pim1.10	0.00612416	-1.0220153	0.208	0.45	1	20
Lgals9	0.00616647	0.4764056	0.292	0.114	1	20
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Shisa5.13	0.00636114	-1.1945835	0.25	0.452	1	20
Atg3.1	0.00658375	0.2573107	0.333	0.128	1	20
Rbbp4.1	0.00662961	0.25826547	0.333	0.129	1	20
Lsm8	0.00688969	0.44577062	0.292	0.115	1	20
Rasa3	0.00699175	0.26918263	0.292	0.106	1	20
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Evi2a.1	0.0073519	0.48127958	0.292	0.115	1	20
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Ccl2.17	0.00746629	-2.0881483	0.042	0.282	1	20

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Aurkaip1.1	0.00906577	0.45820454	0.375	0.17	1	20
Lrp10.1	0.00944489	0.39764952	0.333	0.142	1	20
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Prpf8.1	0.00981709	0.30757675	0.375	0.162	1	20
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Cxcl2
Selenop
Jun
Cbr2
Ier3
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Mrc1
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C5ar1
Ctsb
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Mt1
Grn
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Lgmn
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Lyz2
Blvrb

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Itm2b
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Ctsc
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Fxyd5
Traf1
Alox5ap
Vim
Ltb4r1

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Uqcc2
Cytip

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Twf2
Irf5
Ptprcap
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Dock10
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Prcp
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Plek
Sub1
Ccnd3

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Mrc1
Neat1

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Selenop
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Egr1
Mafb
Clec10a
Ccl24
ApoE
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Tmsb10
Maf
Gas6

C1qb
Pltp
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Ctsb
Klf4
Fcgrt
Mrc1
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Ftl1
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Mt1
Cfh
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Ctsc
Ninj1
Fxyd2
Cd209d
Dab2
Dusp1
Jund
Mmp9
Itm2b
Wwp1
Zfp36
Cd209b
Glul
Cd163
Rpl8
Junb
Tgfb1
Coro1a
Rpl19

Grn
Lgmn
Rps7
Marcks1
Hmox1
Eef1a1
Uba52
Serinc3
Rpl18
Igf1
Rpl32
Rhob
Klf6
Rps24
Rps5
Ier2
Atf3
Fosb
Rps16
Lyz2
Rpl18a
Tns1
Malat1
Rps3
Ifi2712a
Ccl7
Rps15a
C5ar1
Rps19
Cst3
Wfdc17
Ifitm3
Nfkbiz
Ctsd
Lsp1
Rpl14
Ptafr
Rps10
Ier3
Rpl29
Btg1
mt-Co1
Stab1

Srgn
Rpl9-ps6
Rps3a1
Stard8
Itsn1
Mcl1
Cytip
Pfn1
Marcks
Rps29
Lifr
Rpl3
Rnase4
Hexa
Fxyd5
Rps2
Neat1
Ccl2
Eef2
Serpib6a
Ctsl
Rpl13a
Lamp1
S100a11
Dhrs3
Ccl8
Rpl15
Fgfr1
Ppia
Gapdh
Nrp1
Pmp22
Mgl2
Rps13
Cd63
Rpl10a
Limd2
Rps18
Clta
Napsa
Rpl27
Il2rg
Msn

Pde4b
Aplp2
Rps4x
Myh9
Rpl6
Lrp6
Psmb8
Rgl1
Shisa5
Rpl11
Ptprcap
Blvrb
H2-Eb1
H2-DMb2
Mtss1
Kctd12
Rac2
Myl12b
Ccl9
Rpl26
Cd79a
Trf
Fau
Rpl12
Rpl4
Ap2a2
Ifi207
Rpl39
Ehd4
Cnn2
Ptprc
Rpl28
H3f3a
Cd74
Rps6
Sub1
Eif3f
Eif5a
Rps26
H2-Aa
Rps20
Rps11
Rps27

Il1b
Zeb2
Mat2a
Hacd4
H2-DMa
Rpl34
Clic1
Ly6d
Sh3bgrl3
Dennd4a
Ptma
C3ar1
Ezr
Psme1
Mt2
Fcer1g
Bri3
Pepd
Lamp2
Ubc
Rpl27a
Rplp2
H2-K1
H2-DMa
Rpl24
Vps37b
Rbm3
Eef1b2
Klf2
Actb
Cebpd
S100a6
Plbd1
Psme2
H2-DMb1
AW112010
Rack1
Cnbp
Rpl7a
Eno1
Btg2
mt-Nd4
Fcgr3

Atp5d
Btf3
Rpl36a
Rps27a
Cyba
Anxa2
mt-Nd4l
Rel
Rpl36
Lgals3
Cltc
Flna
Tyrobp
Cd81
Cfp
Unc93b1
Adgre1
Stk17b
Adgre5
Gpx1
Arhgdib
Ctsh
Gm2a
Edf1
Eif3k
Cd37
Psmb1
Rpl5
Npm1
Syngr2
Zfp36l2
Aldoa
Rpl22
Eps15
Arf6
BC005537
Tcf4
Psmb3
Naca
Eps8
Clic4
Zfp36l1
Macf1

Npc2
Cebpb
H2afz
Sem1
H2-Ab1
Eif3i
Rbpj
Rpl35
Eif3h
Ppp1ca
Psmb9
Dad1
Snrpe
Atp5b
Mif
Rpl10-ps3
Fcrls
Snx5
Ldha
Ifngr1
Tpm4
Actr3
Ywhaz
Gnai2
Preli1
App
Erh
Arhgap45
Taldo1
Anxa5
Pkm
Lcp1
Capg
Cxcl2
Atp5c1
H2afy
Rbm39
Ptpn6
Mrpl52
Anp32b
Hmgb2
Tmsb4x
Sumo2

Ssr4
Ahnak
Cyca
Xist
Snx2
mt-Atp8
H2-Q7
Nme2
Hnrnpa1
Snrpg
Atox1
Ran
S100a10
AY036118
Selplg
Tnfaip3
Nsa2
Rpl7
Asah1
Hnrnpf
Serbp1
Pabpc1
Arpc4
Hmgb1
Fcgr2b
Eif3e
Ppp1r18
Atp2b1
Hnrnpu
Sri
Tmem176b
Arpc3
Atp6v0b
Atp5o.1
Ncl
Zfand5
Fam49b
Creg1
Ifitm2
Hnrnpa2b1
Rpl21
Hspe1
Rpl36al

Alox5ap
Ywhah
Sf3b1
Nol7
Rgs10
Rpl17
Myl12a
Ndufa13
Atp5a1
Nop10
Atp5h
Abracl
Cox5b
Tax1bp1
Ccn1
Snrpf
Rrbp1
Atf4
Rnf130
Cotl1
Nrros
Lsm4
Arpc2
Sap18
Rpl22l1
Itgb2
Lyn
Gnas
Srrm1
Socs3
Rpl10
Grcc10
Ddx3x
Cd68
Atp5e
Zcchc6
Fis1
mt-Nd2
Zyx
Slc6a6
Park7
Sat1
Mycbp2

Prr13
Ctsa
Dock2
Scamp2
Calm2
Ralbp1
Tgfbr2
Aldh2
Akr1a1
Tubb5
Pld4
Ap2m1
Prdx5
Gng5
Vim
Cdk2ap2
Man2b1
Snx3
Rap1b
Lmna
Vamp8
Pitpna
Emp3
Txnip
Bst2
Gabarap
Sdcbp
Ier5
Ppp1r15a
Fkbp1a
Canx
Srsf5
Rbms1
Atpif1
Ptp4a2
Kdm6b
Tmed10
Rtn4
Wnk1
Ms4a4b
Cd3d
Cd8b1
Cd3e

Lat
Cd3g
Gzmk
Nkg7
Lck
Thy1
Cd27
Ccl5
Vps37b
Skap1
Cd247
Cd28
Cd74
Tyrobp
Cst3
H2-Q4
Trbc2
Rps15a
H2-Q4
Fcer1g
Hcst
H2-DMb1
Eef1a1
Gpx1
Rpsa
Fth1
Lyz2
Rps16
Zfp36
Ftl1
Ifitm3
Rpl12
Gimap3
Rpl19
Tmsb10
Psap
Rps24
Gimap6
Itk
Uba52
Rpl13a
Rps7
Rpl18a

Ctsw
Saraf
Rpl18
Ets1
Shisa5
Gimap4
Fos
H2-DMa
Rps3
H2-Q6
AW112010
Cd2
Rps10
Rpl8
Marcksl1
Ccl6
Tmem176b
ApoE
1-Sep
Alox5ap
Rplp0
Mt1
Rpl9-ps6
Fosb
Rpl13
Ifitm2
Egr1
Rps27
Rps5
Prkch
Limd2
Emb
Grn
Unc93b1
Ablim1
Nfkbiz
Rps3a1
Csf1r
Rpl3
Il7r
C1qb
Tmsb4x
Cd83

C1qc
Selenop
Rps18
Rpl27
Rpl32
C1qa
Wfdc17
Klf4
Atf3
Pltp
Mrc1
Ctss
Ms4a6b
Kctd12
Cfp
Dusp1
Rps2
Pf4
Marcks
Eef2
Ltb
Ctsh
Ctsb
Rpl30
Pld4
F13a1
Ptprcap
Ccl2
Ccr7
Rpl36
Jun
H2-Q6
Ctsc
Rps23
Jund
Rplp2
Tmem176a
Cybb
H2-Ob
Mcl1
Leprot1
Cd14
Rac2

H2-Q4
Rpl23
Rps13
Spi1
Clec10a
Rps4x
Mafb
Rps20
Cd68
Zeb2
Rpl11
Ly86
Rplp1
Il21r
Lgmn
Tgfb1
Cxcl2
Rps19
Rpl27a
Ctsz
Rassf4
Rpl6
Fcgrt
Fcgr2b
B4galnt1
Mgl2
Plbd1
Tpt1
Hexa
Ccl9
Nfkb1a
Rpl15
App
Il2rg
Bri3
Rps21
Rps6
Rps8
Il1b
Nrros
Rpl10a
Rps14
Crip1

Lgals3
Ckb
Nr4a1
Rpl29
Chd3
Rpl39
Plek
Btg1
Pim1
Clic4
Cbr2
Serinc3
Rack1
Cd81
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Anxa5
Rpl14
Pnrc1
Ehd4
Ier3
Ninj1
Lamp1
Rrbp1
Ptprc
Rpl5
Atox1
Vim
Cnn2
H2-Aa
Atp6v0b
Cyba
Jak1
Ahnak
Kdm6b
Lyn
Itm2b
Myl12b
Btg2
Rpl37
Gm2a
Zc3hav1
Rpl22l1
Sat1

Neat1
Rps26
Selplg
Rpl7
Rpl4
Myh9
Ly6e
Coro1a
Prdx6
Napsa
Rpl24
Rpl36a
Npm1
Tnfaip3
Atpif1
Eef1b2
Sem1
Zfand5
Erp29
Arhgap45
Bin2
Retnla
Gabarap
Litaf
Ier5
H2-K1
Eif3f
Fam107b
Fyb
Cltc
Dusp5
Gstm1
Cebpb
Rpl21
Gadd45b
Naca
Pabpc1
Ptms
Zfp36l1
Sh3bgrl3
Cd82
Gnai2
Efhd2

Akap13
Gapdh
Mif
Cnbp
Man2b1
Nfkbid
Stk4
Atp2b1
Itga4
Arhgdib
Akr1a1
Clta
Stk17b
Snx5
Stat1
Vamp8
Rps27l
Capza2
Ctsa
Arl6ip5
Rps15
Ubald2
Arhgef1
Smdt1
Btf3
Mef2c
Klf6
Syng2
Rel
Rtn4
Tagln2
Snx3
Polr2a
Pde4b
Ifi27l2a
Rpl17
Dad1
Birc6
Sdcbp
Serp1
H3f3a
Elf1
Canx

Mbnl1
Psmb8
Gng5
Rbm39
Tmed10
Nr4a2
Serf2
Tgfb1
Prkar1a
Odc1
Fxyd5
Capg
Hsp90b1
Ier2
Rpl9
Cdk2ap2
Atp6v1g1
Cstb
Ppp1r18
Cirbp
Eif3h
Anxa6
Ppp1r12a
Eif3e
Ccnl1
Nsa2
Rpl10
Gstp1
Prdx5
Atp6v0c
Arpc1b
Ezr
Psme2
Psme1
Dbi
Sp100
Ighm
Ube2i
Psmb3
Rgs10
Ncl
Atp1b3
Ldha

Aldoa
Arl6ip1
Gpr132
H2-K1
Ptpn6
Itgb7
Eif5
Eef1d
Vps28
Npc2
Itgb2
Socs3
Lgals1
Nop53
Ndfip1
Sri
Serbp1
Ypel3
Gsta4
Laptm4a
Rbms1
Ctsd
Psmb1
Prrc2c
Ppp1cc
Apbb1ip
Ddx3x
Park7
Nap1l1
Cct2
Sqstm1
Tuba1b
Ptp4a2
Anxa2
Igkv1-117
Akr1b3
Dnaja1
Lsp1
Klf2
Cd79a
Chil3
Thbs1
Plac8

Gngt2
Msrb1
Hp
Ly6c2
Lyz2
Ace
Ifitm3
Gsr
Lst1
Il1b
Cebpb
Ifitm6
Sirpb1c
Ms4a6c
Pglyrp1
Prdx5
Cd300a
Plaur
Gm9733
Lgals3
Fgr
Cybb
Ifitm2
Cd300c2
Clec4a3
Alox5ap
Fyb
Cdk2ap2
Fn1
Tyrobp
Slc16a3
Nfil3
Taldo1
Lrp1
Emilin2
Ceacam1
Gpx1
Smpdl3a
Fcer1g
Spi1
Cd44
Sat1
Psap

Adgre5
Rnf149
Ncf2
Ctss
Ms4a4c
Hck
Irf7
Sgk1
Ifi2712a
Cx3cr1
Cdkn1a
Mgst1
Plbd1
Tpd52
Samhd1
Prkcd
Ccr2
Tnfrsf1b
Itgal
Ms4a4a
Stk10
Flna
Fxyd5
Nfam1
Mpeg1
Cyp4f18
Tkt
Gm36161
Anxa2
Itga4
Clec4a1
Cyba
Tnfrsf1a
Pou2f2
Ptpre
Ear2
Gm21188
Rap1a
Nadk
Tnfsf13
Irf5
Pla2g7
Apbb1ip

Coro1a
S100a4
Pirb
Agpat4
Itgb2
Rasgrp2
Ccl6
Lyn
Mrpl33
Myo1g
Arpc1b
Ifngr1
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Metrnl
Nfe2l2
Ptpn1
Plin2
Bin2
Csf2ra
Rap1b
Anxa1
Srgn
Tln1
Eno1
Tgfb1
Fmn1
Calm1
Degs1
Gda
Msn
Rhog
Pld4
Pkm
Cytip
Ucp2
H3f3a
Psm7
Prr13
Klf13
Slfn5
Emp3
Glud1
Aprt

Lsp1
Tgfb1
Vim
Il10ra
Fam49b
Napsa
Ptpn6
Lrrc25
Lrrfip1
Gm2a
Coro1b
Myo1f
Adipor1
Cd14
Sem1
Atp1a1
Capza2
Klf3
S100a6
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Ccdc12
Gpcpd1
Tmem14c
Clec12a
Atp6v1b2
Cd68
Sema4d
Csf2rb
Atox1
Npc2
Rac1
Ms4a6b
Ostf1
Rhoa
Fam105a
Ccnd3
Ctsa
Snx20
Rassf4
Arpc2
Sirpa
Ptprc
Ccl9

Ctsz
Aup1
Atp6v1e1
Fam96a
Dbi
Gstp1
Actg1
Zeb2
Iscu
Il6ra
Creg1
Mtpn
Dusp5
Lamtor4
Cmpk1
Zyx
Ncf4
Rnh1
Ppp1ca
Capzb
Trim25
Lamp1
Iqgap1
Arpc3
Ly86
Nr4a1
Lptm4a
Fis1
Myl12b
Pomp
Cmtm7
Ikkbb
H2afj
Atp6v0c
Add3
Esd
Gnb2
Fosl2
Mia2
Fermt3
Scand1
Anxa5
Actr3

Slc25a5
Arhgap9
Arpc4
Gpr132
Laptm5
Pim1
Dynll1
Hcls1
Diaph1
Snrpb
Pgam1
Cycs
Vsir
Ywhab
Tmed5
Cdc42
Pid1
Atp1b3
B2m
Zbtb7a
Xbp1
Asap1
Gapdh
H2-Eb1
Prdx1
Uqcrrs1
Aldh2
Arl6ip5
Emb
Mpc2
Vamp8
Tmsb10
Plec
Ssh2
Atp5c1
Fcgr3
Btg1
Nrros
Clic1
Efhd2
Atp6v0d1
Cap1
Aif1

Psmb5
Ly6e
Chmp2a
Capns1
Pycard
Trib1
Syk
Bax
Cotl1
D8Ertd738e
Arhgap30
H13
Fam174a
Ndufa11
Ywhaz
Sec61g
Litaf
Slfn2
Hspa8
Ifnar2
Apc5
Tspo
Atp2b1
Pde4b
S100a11
Atp5l
H2afz
Abracl
Erp29
Csf1r
Grk2
Reep5
Gnai2
Eif3k
Ndufc2
Was
Rbms1
Atp6v0b
Arf5
Serf2
Dazap2
Stk24
Ypel3

Psmb2
Txn1
Psm2
Cope
Tspan13
Mob1a
Tmbim6
Prdx2
Atp5f1
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Cnbp
Rps4x
Rpl32
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Hnrnpa1
Rpsa
Tbca
Rpl36
Clic4
Nol7
Hmgb1
Rps2
Rps6
Jak1
H2-T22
Mif
mt-Co2
Mbnl1
AY036118
Rpl22l1
Rpl30
Gm8186
S100a10
Rps18
Pnrc1
Rps27
Rpl39
Rps29
Ncl
mt-Atp6
Npm1
Rpl14
mt-Nd4

Eef1d
Klf2
H2-K1
Junb
Rps24
Rps12
Cltc
Ctsd
Wnk1
Rps15a
Atpif1
Ppp1r15a
Foxp1
Serinc3
mt-Nd3
mt-Co3
mt-Nd4l
Socs3
Snx5
Rps21
Rpl13a
Eef1g
Il2rg
Ndfip1
mt-Co1
mt-Atp8
Ier2
Cxcl2
Xist
Rpl36a
Rps20
mt-Nd1
Ptms
mt-Cytb
mt-Nd2
Atf3
mt-Nd5
Kctd12
Lgals1
Cfp
ApoE
Cd83
Tuba1b

Gadd45b
Pltp
Zfp3611
Rplp1
Tubb5
Rpl12
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Tnfaip3
Cd37
Fcgrt
Txnip
Nfkbiz
AW112010
Clec10a
Klf6
Jund
Fosb
Ly6d
Cd81
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Mgl2
Marcksl1
Ptprcap
Mrc1
Ighm
Selenop
Jun
Cbr2
Ccl2
C1qb
Egr1
C1qa
Mt1
Cd79a
C1qc
Pf4
Retnla
AC133103.1
Ighv1-52
Mzb1
Fcr15
C130026I21Rik
Ms4a1

Cd79a
Igkv1-117
Iglc2
Cd79b
Fcmr
Iglc3
Plac8
Ighm
Myo1e
A530040E14Rik
Nfatc1
Ly6a
Ly6d
Camk2d
Blk
Spib
Sp140
Cd19
Cd24a
Iglc1
Ebf1
Napsa
Tyrobp
Fam43a
Odc1
Fcer1g
Cst3
Cd37
Cxcr5
H2-Q7
Zbtb20
Bank1
Lyz2
Vars
Snn
Dok3
Ifitm3
Dnajc7
Gm15987
Igkc
Fth1
Ctla4
Zfp36

Ero1lb
Uchl3
Ftl1
Ltb
Fos
Tmem176b
Rpl13
Ccl6
Alox5ap
Cd72
Sh3bp5
Txnip
Dusp1
Ptprcap
Rpsa
Mt1
Ifitm2
mt-Cytb
Itm2b
Siglecg
Tmsb4x
Selenop
Nfkbiz
Rps18
Ezr
mt-Co3
Gimap5
Rac2
Ctsb
Tnfrsf13b
Rps19
C1qb
Swap70
Csf1r
Pdia4
Gpx1
mt-Nd4l
Egr1
Rpl8
Gimap4
Junb
Rpl3
mt-Atp8

Ikzf3
Rps20
Cd52
H2-Q7
C1qc
Rps2
Pltp
Pold4
Rps3a1
Wfdc17
Ier3
Nfkbia
Rpl9-ps6
Rps8
Tmem176a
Pf4
Klf4
Mdh1
C1qa
Mrc1
Cnp
Atp2a3
Pkig
Rpl12
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Pou2f2
F13a1
Fosb
Ccl2
Rps15a
Eef1a1
Hist1h1e
Tsc22d3
Rps7
Gpcpd1
Capg
Npc2
Tagln2
Man1a
Rps5
Rpl32
Fcgrt

Rilpl2
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Mafb
Aldoa
Ifngr1
Rps27
Vgll4
Rpl14
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Cxcl2
Tcf4
Rgs10
Clec10a
Rpl27a
Rps13
Hsp90ab1
Cd68
Laptm5
Cybb
Mgl2
Grn
Rplp0
Rpl19
Ptpn6
Rps9
Rps26
Rpl10a
Ier2
Psap
Lamp1
Macf1
Fyb
Rpl18a
Zfp36l2
Plp2
Rpl29
Foxp1
Cd2
Blnk
Rpl30
Rps11
Zyx
Ly6e

Lyn
Gadd45b
Socs3
Crip1
Gimap1
Lgals1
Rpl18
Atox1
Rpl35
Il1b
Rps3
Rpl36
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Lgals3
Vim
Btg2
Lgmn
Gimap6
Efhd2
Ninj1
Arf6
Hexa
Zeb2
Rpl13a
Ahnak
App
Rpl26
Rps12
Npm1
Rpl11
Rpl36a
Syk
H2-T23
Ifi2712a
Fxyd5
Malat1
Anxa5
Cbr2
Mif4gd
Emp3
Jun
Anxa2
Marcks

Ctsa
Stk17b
Rpl39
Rpl6
Eef2
Tnfaip3
Rab4b
Aldh2
Eef1g
Kmt2e
Serf2
Gm26917
Ppdpf
Prkcb
Klf6
Serp1
Ehd4
Myl6
Mcl1
Atf3
Ncf1
Cfp
Arhgdib
Rpl22
Srsf11
Gimap3
Sub1
Ncf4
H2afz
Rrbp1
Rel
Gstm1
Hspa4
Rpl4
Rps6
Tgif1
Smim14
Sem1
Selplg
B2m
Eef1d
1-Sep
Coro1a

Bri3
Uvrag
Nrros
Hmgn1
Marcks11
H2afy
Rpl5
H2-D1
Ehd1
Tspo
Naca
Rpl21
Zfp706
Ptms
Ctsc
Wdfy4
Eif3i
Csk
Tmod3
Gnai2
Gdi2
Eif3f
Zfand5
Ly86
Gmfg
Atp6v0b
Rbm3
Atpif1
Gns
Kdm6b
Ppm1g
Ctss
Neat1
Gng5
H2-T22
Ptpn1
Tmem123
Cebpb
Kctd12
Msn
Nol7
S100a6
Rhog

Itgb2
Serbp1
Hnrnpa1
Gm2a
Spi1
Akr1a1
AY036118
Sat1
Snx3
Add3
Clta
Apobec3
Luc7l2
Nop10
Prpf8
Thrap3
Ccnl1
Rnaset2a
Vamp8
Dbi
Tubb4b
Nap1l1
Arf5
Gltp
Ppp1r15a
Hnrnpa2b1
Eif4a2
Atp5b
Rpl17
Gsta4
Eif5a
Sp100
Zfp106
Eif4b
Rtn4
Man2b1
Atp6v0c
Ncl
Nme2
Tnfaip8
Cstb
Rac1
Psmb9

Prrc2c
Selenok
Reep5
Calr
Vdac2
Ier5
Psme1
Sdcbp
Ccnd2
Tcp1
Rap1b
Pomp
Eif3e
Tomm20
Prdx5
Inpp5d
Cnbp
Hspe1
Dbnl
Ddx6
Polr2a
Cdc42se2
Mif
Smdt1
Ybx1
Atp2b1
Sec61b
Tmsb10
Ppp1r18
Arpc1b
Lsm4
Syng2
Ubc
Rbms1
Ptges3
Ubl3
Cyfip1
Atp5j2
Tmed10
Jund
Dnaja1
Tmem50a
Sf1

Calm3
Fkbp1a
Ctsh
Snx5
Gpi1
Serinc3
S100a10
Flna
Cd53
Ran
Wnk1
Fcgr2b
Selenof
Gzma
Gzmb
Nkg7
Ccl5
AW112010
Il2rb
Prf1
Klrb1c
Ncr1
Ctsw
Klre1
Serpib9
Klrk1
Xcl1
Serpib6b
Cd7
Fasl
Sh2d2a
Txk
Cd74
Ms4a4b
Klrd1
Cst7
H2-Oa
H2-K1
H2-Ab1
Tmsb10
Irf8
Pfn1
Gimap4

Lgals1

Ugcg

Fth1

Cst3

Arsb

Lck

Skap1

Ptprcap

Vps37b

Hcst

1-Sep

Ftl1

Psap

Ptprc

Gpx1

Pik3r1

Lyz2

Ccl4

Zfp36

Itgal

Ifitm3

Tyrobp

Cd83

Fcer1g

Ifngr1

Ctss

H2-Q6

Bcl2

Atf3

Anxa2

Fos

ApoE

Gimap5

Fosb

Unc93b1

Ccl6

H2-D1

Nfkb1a

Marcksl1

Egr1

Cd52

Mt1

Alox5ap

Selplg
D16Ertd472e
Ifitm2
Ccnd2
Ifi2712a
Itgb2
Spn
Jun
H2-D1
Ctsh
Pglyrp1
Nfkbiz
Rac2
Ctsb
Dusp5
Id2
C1qb
Dusp1
Tmem176b
Wfdc17
Pltp
Grn
Cybb
Csf1r
Ccnd3
Gimap3
Pld4
Ly86
Selenop
H2-DMb2
C1qa
C1qc
Marcks
Mrc1
Myl6
Ctsc
Cfp
Klf4
Mcl1
Spi1
Jak1
Junb
Ier3

Pf4
Ctsz
Ly6e
H2afz
Ccl2
Rinl
Klf6
Zfp36l1
F13a1
Cd68
S100a10
Gm2a
Lgmn
App
Fcgrt
Zfp36l2
Cd81
Clec10a
Cd14
B4galnt1
Thy1
Nr4a1
Rgs10
Cxcl2
Mafb
Npc2
Tmem176a
Kctd12
Anxa5
Mgl2
Rassf4
Lamp1
Fcgr2b
Cfl1
Jund
Ppia
Il1b
Ywhaq
Plbd1
Erp29
Cd79a
Cbr2
H2-Eb1

Cnn2
Rel
Esys1
H2-Q6
Nrros
Actb
Anxa6
Myl12a
Ets1
Hexa
Ighm
Fxyd5
Lgals3
Pim1
Leprot1
Gadd45b
Ninj1
Cox8a
Gimap6
Mef2c
Zyx
Efhd2
Tpm4
Itm2b
Vasp
Shisa5
Clic4
Cd2
Pde4b
Ldha
Ppp1r15a
Serp1
Nfkbid
Atp6v0c
Napsa
Sh3bgrl3
Ptpn18
Prex1
Dad1
Ablim1
Fgl2
Adgre5
Sat1

Bri3
Gabarap
Rpl27
Klf2
Eif5a
Rpl13a
Atp6v0b
Cltc
Ctsa
Serf2
Ndufb7
Dnajc15
Kdm6b
Ier5
Zeb2
Bin2
Scand1
Socs3
Capg
Ppp1r12a
Hmgb2
B2m
Arhgdib
Rnaset2b
Syngr2
Zfand5
Slc9a3r1
Rpl22l1
Il2rg
Gnas
Itgb1
Ehd4
Cyca
Atp5g3
S100a6
S100a13
Ly6d
Ndufa4
Reep5
Clta
Itga4
Elob
H3f3a

Atpif1
Neat1
Serbp1
Epsti1
Atp5h
Ier2
Dok2
Ppp1r18
Arpc2
Gltf
Polr2l
Btg2
Prr13
Man2b1
Cox5b
Pabpc1
Arhgef1
Krtcap2
Eno1
Samhd1
Rtn4
S100a11
Capzb
Tma7
Atox1
Atp5j2
Snrpg
Atp5e
Cstb
Capza1
Abracl
Cd47
Ctsd
Ccnl1
Ubc
Cebpb
Sub1
Gdi2
Sptbn1
Bhlhe40
Arhgap45
Dock2
Ccr2

Dennd4a
Atp2b1
Rps19
Prkar1a
Oaz1
Mbnl1
Atp5d
Nr4a2
Crip1
Sumo2
Lsp1
Cap1
H2-DMb1
Neur13
Vamp8
Ddx5
Ran
Tspo
Serinc3
Ppp1ca
Ubal2
Edf1
Nap111
Plekhj1
Ankrd44
Ube2i
Laptm4a
Ddx3x
Ncl
Cox7a2l
Akr1a1
Diaph1
Pycard
Rbm3
Psme1
Tln1
Rrbp1
Ywhab
Preli1
Myh9
Psmb10
H2-Oa
Rbx1

Hmgb1
Txn1
Sap18
Gstm1
Tmem258
Wnk1
Clic1
Tmed10
Ndufa13
Tuba1b
Snx5
Arpc1b
Psm2
Raly
Cytip
Vps28
Atp5g1
Calm2
Snrpe
Ppp4c
Ostf1
Wdr1
Ppp1cc
Flna
Bag1
Sp100
Eif3c
Vim
Cox17
Psm5
Gpsm3
Gabarapl2
Trir
Erh
Psm3
Fosl2
Sri
Cox7a2
Mrps24
H2afj
Srp9
AY036118
Lcp1

Atp5a1
Atp5o.1
Atp5j
Anp32b
Psmb1
Cox5a
1810058I24Rik
Mrpl33
Cox7b
Ndufa1
Anp32a
Tomm22
Ndfip1
Stat3
Ywhah
Arf1
Set
Ndufb11
Hnrnp1
Uqcrcq
Lyz1
Fn1
Ear2
Retnla
Lpl
Tnip3
Ccl6
Crip1
Ccr2
Ccl9
Psap
Cxcl2
Gpx1
Gda
Ly6e
Il1b
Tmsb4x
Dok2
Lyz2
S100a6
Fcr1s
Mcup
Lgals3

Unc119
mt-Atp8
Anxa2
Batf3
Ahnak
S100a4
H2-Ke6
Alox5ap
Ifitm6
Pltp
Olfm1
mt-Nd4l
Dbi
H2-Ab1
Smdt1
H2-D1
Capg
Actg1
Metrnl
Naaa
Lsp1
Clec4b1
Phlda1
Sem1
Areg
Arpc1b
Slamf9
S100a10
Gm2a
Mt1
H2-D1
Ifi27l2a
Rps27l
Serf2
Sdc3
Pitpna
Cotl1
Atp5e
Eef1a1
Zyx
Lilr4b
Cfp
Cyba

Colgalt1
H3f3b
Cdkn1a
Gm10076
Csf2ra
Efhd2
Vim
Lmna
Myl6
Flna
mt-Co3
Bcl2a1b
Ifitm3
Rbpj
Nfkbia
Atox1
Ctsd
Fxyd5
Tyrobp
Zeb2
Rpl9-ps6
Icam1
Prkcd

9-Sep

Tagln2
Cd14
Cd44
Ubb
Zfp36l1
Mcl1
Cebpb
Adam15
Nfil3
Pid1
Fgfr1
Rps27
Bcl2a1d
B2m
Prpc
Id2
ApoE
Cd79a
Tgfb1

Nme2
Eps8
Arf5
Laptm5
Itm2b
Sec61b
Malt1
Rpl41
Rpl18a
Plbd1
Ptprcap
mt-Cytb
2010107E04Rik
Uba52
Apc2
Capza2
Psmc7
Ccn1
Rpl35a
Clec4a2
Lamtor4
Stk17b
Cd37
Uqc2
Limd2
Ramp1
Lrp1
Ptpre
AW112010
Ighm
Tkt
Anxa1
Rassf4
Uqc2
Nfam1
Gstm1
Prdx5
Ptp4a2
Ptafr
Sirpa
mt-Nd5
Ly6d
Vps37b

Mrpl33
Etv3
Kctd12
Mgl2
Rpl3
Glud1
Ndufa6
Csrnp1
Ybx1
Tmem160
Pim1
Kdm6b
Atpif1
Emp3
Malat1
Plek
H2-T22
Pycard
Rac1
Iqgap1
Gnai2
Ctsz
Gadd45b
Ucp2
Capzb
Erp29
Selenop
H2afz
Irf5
Reep3
Diaph1
Rps3
H2afj
Il2rg
Egr2
Cox4i1
Rrbp1
Rpl13a
Marcks
Preli1
Rpl8
Gltf
Rpl19

Nrros
Shisa5
Klf2
Ctss
Sdf2l1
Ncf2
Tubb6
Bhlhe40
Ndufc1
Abracl
Chmp4b
Usmg5
Adgre5
Rpl10-ps3
Bola2
mt-Nd2
H2-T22
Atp5l
Sfr1
Cox7c
Ptpn18
Plekho1
Pf4
Myo1g
Sfn2
Rps15a
Mrps24
Rpl12
Serinc3
Mrps21
Hexa
Cdk2ap2
Timm13
Arpc5
Cox6b1
Cops9
Mpeg1
Txn2
Rex1bd
Gsn
S100a13
Cdc42
BC005537

Tspo
Ypel3
H13
Hsp90b1
Eif3f
Uqcr10
Arpc4
Ndufb8
Cox5b
Metap2
Cox6a1
Kmt2e
Taok3
Fosl2
Eno1
Rac2
Ddx5
Ndufa2
Jun
Rpl10
Grb2
Cox6c
Tma7
Ndufb4
Minos1
Ndufv3
Pkm
Atp5g3
Sec61g
Tacc1
Fkbp2
Tpm3
Ifrd1
Rbm39
Ndufa13
Cox5a
Atp5g1
Lcp1
Cnbp
Naca
Srrm2
Foxp1
Laptm4a

Psmb8
Rnaset2a
Fcgrt
Pnrc1
Ctsb
Xist
Ubc
Park7
Arl6ip1
Arpc3
Myl12b
Ccl2
Prrc2c
Hmgb1
Ifngr1
Egr1
Calm2
Snrpb
Sh3glb1
Lgmn
Naaa
Rtl8c
Clec9a
Ifi205
Xcr1
Itgae

3-Sep

Ppt1
Tlr3
Wdfy4
Qpct
Irf8
Naga
Pianp
Plbd1
Cst3
Anpep
Slc25a20
Rtl8b
Ckb
Mpeg1
St3gal5
Flt3

Tnni2
Gm2a
Pak1
Trim35
Rab7b
Pkib
Jaml
Rab32
Cd24a
Ahr
Psap
Ece1
Ncoa7
Grasp
Ptms
H2-Aa
Gng10
BC028528
Hepacam2
Ppm1m
Pfkp
Nr4a2
Anxa1
Rab11fip1
Tmsb10
Atox1
Fgl2
Arzb
Rnase6
Txndc15
Tmsb4x
Cbfa2t3
Bcl2a1a
Lsp1
Psmb9
Pmaip1
H2-Oa
Olfm1
Atpif1
Lrrk2
Gm6377
Camk1d
Tbc1d8

Tbc1d9
Bcl2a1d
Alox5ap
Shtn1
Ucp2
H2afz
Crip1
Gpr171
Plp2
H2-K1
H2afy
Gpr65
H2-D1
Eef1b2
Fnbp1
S100a11
H2-Q4
Pomp
Rab43
Sh3bp1
Bri3bp
Actg1
Cd180
Commd8
Cd74
Rps11
Egr3
Slamf7
Itgb7
Taldo1
Batf3
Man2b1
Prkar2a
Cd9
Sub1
6-Sep
Unc119
Phf11b
Cyca
Irf5
Fgd2
Psme1
Rala

Actb
Psmb8
Dynlt1b
Basp1
Clic4
Cd52
Anxa2
Cytip
Rplp0
ApoE
Ccnd1
Cass4
Lgals3
Itpr1
Alcam
Dctpp1
Vim
Chd7
Tmem176b
Ppp1r11
Agpat4
Zyx
Pafah1b3
Id2
Clec12a
H2-Q4
Apc2
Gsn
Efhd2
Calm1
Got2
Lmnb1
Plekho2
Hfe
Gusb
Actr3
Aif1
Fuca1
Selenop
Tbca
Ifi35
Cxcl16
Skap2

Sh3bgrl3
S100a6
Rpl18
Myadm
Cyb5a
Rps5
Napsa
Cpne3
Gdi2
Skil
Dock10
Syng2
Rpl28
Sec61g
C1qb
Csf1r
H3f3b
Tbrg1
C1qc
Trib1
Anxa6
Cybb
Csf2ra
Hcls1
Cnih4
Rgs10
Rps26
Ccnc12
Rps27a
Cd86
Tmem176a
Fbl
C1qa
Rgs2
B2m
Mrc1
Fam129a
Tap1
Irf5
H13
Rpl10-ps3
H2-Q6
Cebpb

Arhgap18
Itm2c
Pltp
Rpl37
H2-Oa
Rpl17
Phlda1
Pf4
Mrpl52
Wfdc17
Sec61b
Zeb2
Spi1
F13a1
Tes
Lamp1
Rpl22
Rpl36al
Mlec
Nfkbiz
Fgfr1
Txn1
Mvb12a
Myo1f
Plekho1
Rtraf
Gstm1
Evi2a
Nr4a1
Ctsd
Atg3
Pdia3
Rpl14
Spag9
Nr4a3
Cyth4
Il2rg
Cd83
Cd79a
Rps28
Notch2
Itm2b
P2ry10

Avpi1
Cbr2
Tnfrsf8
Serf2
Ifngr1
Fxyd5
Nap1l1
Ptprcap
Rpl27
Ldha
Fth1
Mafb
Rpl39
Clec10a
Jun
Psme2

9-Sep

Pgam1
Plin2
Rps27l
Ctsb
Lgmn
Usmg5
Atp6v1g1
Serinc3
Twf2
C1qbp
Ctnna1
Mgl2
Atp1a1
Sdf2l1
Tspan13
Gpcpd1
Ssr4
Capg
Ctsa
Mpc2
Mdh1
Rbm17
M6pr
Stard3nl
Ppib
Sh3bgrl

Ighm
Ndufa6
Eif1
Sdc3
Fcer1g
Eif3k
Atp5e
mt-Atp8
Tagln2
Marcks1
Polr1d
Cxcl2
Klf2
Smdt1
Csf2rb
Fyb
Ppp2ca
mt-Nd2
Socs3
Ly6d
Junb
Gltf
Rac2
Cd14
Mt1
Arhgdib
Ifi2712a
Herpud1
Ier3
Hspa8
Nfkb1a
Calm2
Ly6e
Limd2
Cfp
Ctsc
Tnfrsf25
Atp6v0c
Ccl2
Lgals1
Cd37
Ypel3
H2-T23

Pnrc1
Gm42418
mt-Nd4
mt-Nd5
Cltc
Gadd45b
Jund
Shisa5
Neat1
Ftl1
Gpx4
Jak1
Rap1b
Emp3
Snx5
Ehd4
Ubc
Ifitm2
Ccl6
Foxp1
Ddx5
Klf6
Tmem50a
AW112010
Ctss
Cstb
Ier2
Ctsh
Bri3
Zfp36l1
Laptn4a
Cxcr6
Actn2
Thy1
Il7r
Cd3e
Cd3g
Il18r1
Ramp1
Lat
Cd3d
Icos
Cd74

Rora
Serpib1a
Tmem176a
H2-DMa
H2-DMa
S100a6
H2-Aa
Pxdc1
Ifngr1
Lmo4
Rinl
Rgcc
Tyrobp
Emb
Bcl11b
Skap1
 1-Sep
Tmem176b
Itgb7
Ckb
Ltb
Fcer1g
S100a10
Tmsb10
Cst3
Klf2
Lyz2
S100a11
Ltb4r1
Capg
AW112010
Itk
Selplg
Rasgrp1
Zfp36
S100a4
Ifitm3
Tmem64
Uba52
Ikzf3
Hcst
Gimap3
Ptprcap

Ftl1
Unc93b1
Trbc2
Cd83
Cd82
Fgl2
Marcksl1
H2-D1
H2-DMb1
ApoE
Eef1a1
Alox5ap
Ctss
Ccl6
H3f3b
Jund
Mt1
Ifi2712a
Nfkbiz
Lgals1
Itgal
Egr1
Ifitm2
Gpr183
Plek
Il2rg
Ctsh
Pltp
H2-Q7
H2-Aa
Ccnd3
Fos
Tagln2
Pld4
Cfp
Csfr1
Ctsc
Marcks
Atf3
Ly86
Sptssa
C1qb
Wfdc17

Saraf
Mcl1
Spi1
C1qc
Nr4a1
Jun
H2-D1
Mrc1
Grn
Cybb
Ppia
Zeb2
C1qa
Pf4
Ier3
F13a1
Nfkbia
Lgmn
Ier5
Fcgr2b
Fth1
Fxyd5
Ctsb
Ctsz
Ly6e
Cd68
Nrros
Oaz1
Cd81
Ccl2
Fcgrt
App
Ehd4
Fosb
Dusp1
Mgl2
Rassf4
Prdx6
Mafb
Psap
Il1b
Ier2
Napsa

Clec10a
Lyn
Kdm6b
Rpl13a
Cd14
Tspo
Bri3
Rps24
Litaf
Gstp1
Hexa
H2-Ab1
Cd69
Eno1
Cxcl2
Ncor1
Rel
Rpl12
Klf4
Ninj1
Shisa5
Prr13
Atox1
Gpx1
Gimap4
Aldoa
B2m
Stk24
Socs3
Anxa6
Neat1
Ly6a
Rexo2
H2afz
mt-Atp8
Rpl14
Kctd12
Atp6v0c
Rplp2
Klf6
Rrbp1
Snx5
Ppp1r18

Cd79a
Arf5
Chd3
Cd164
Btg2
H2-D1
Cebpb
Smpd13a
Stat1
Rpl28
Ccn1
Pfn1
Rac2
Gdi2
Erp29
Atp6v0b
Psmb8
Sdcbp
Man2b1
Gstm1
Serp1
Pkm
Rabac1
H2-Eb1
Rps29
Ubc
Gapdh
Junb
Laptm5
Ets1
Myh9
Ptms
Clta
Foxp1
1810058I24Rik
Zfand5
Ucp2
Leprot1
Akr1a1
Rps27l
Cd52
Ccnd2
Fyb

Ppp1r12a
Clic4
Atpif1
Lgals3
Ighm
Eif4a1
H3f3a
Rps26
Npc2
Rpl35a
Crip1
Diaph1
Tax1bp1
Cltc
Id2
Myl12b
Tgfb1
Arpc1b
Tuba1b
Ppp1r15a
Dbi
Efhd2
Plp2
Ctsa
Atp5h
Lamp1
Ddx3x
Rbm39
Ndfip1
Gm42418
Sat1
Ccr2
Fam49b
Capza2
Prdx1
Ndufv3
Stat3
Psme2
Dock2
Gltf
S100a13
Ndufa13
Gm2a

Cd37
Limd2
Ahnak
Rap1a
Gabarap
Rpl5
Spcs2
Dock10
Ldha
Ptpn1
Krtcap2
Selenow
Gng5
Sqstm1
Cnn2
Srsf5
Calm2
Wasf2
Cnbp
Smdt1
Cdk2ap2
Ptp4a2
Ptpn6
Vasp
Clic1
Syng2
Aes
Rnf187
Hectd1
Tmem59
Arl6ip1
Tmed2
Xist
Serinc3
Jpt1
Dusp5
Vps37b
Prdx5
Rbm3
Cytip
Bcl2a1b
Btg1
Vps28

Gabarapl2
Rpl4
Sec11c
Mif
Dnajc3
Prkar1a
Fis1
Arhgap45
Sdf4
Atp5b
Gpsm3
Selenof
Cox5a
Gnas
Snrpg
AY036118
Psmb3
Ppp1cc
Ube2i
Lars2
Park7
Pebp1
Tma7
Gsta4
Arhgef1
Atp5c1
Cox6c
Myl12a
Tmbim6
Grcc10
Cyb5a
Akr1b3
Hmgb1
Arf6
Hist1h2ap
Ube2c
Mki67
Top2a
Pclaf
Stmn1
Birc5
Hist1h1b
Hist1h2af

Cenpf
Cks1b
Ccnb2
Ccna2
Cdca8
Cdca3
Tpx2
Hist1h2ab
Kif11
Ncapd2
Spc24
Aurkb
Prc1
Rrm2
Cdk1
Tk1
Cenpe
Nusap1
Kif15
Bub1b
Cenpm
Ckap2l
Smc2
H2afx
Asf1b
Racgap1
Knstrn
Hist1h2ae
Incenp
Kif23
Hmgb2
Cks2
Tacc3
Tubb5
Lmnb1
Cenpw
Ezh2
Tuba1b
Cenpa
Smc4
H2afv
Tmpo
Hist1h1d

Rrm1
Ccdc34
Gmn
Kpna2
Hmgn2
H2afz
Hist1h1e
Ube2s
Ptma
Hjurp
Nucks1
Nsd2
Dut
Selenoh
Gm10282
Hmgb1
Ckap5
Tubb4b
Anp32b
Anp32e
Atad2
Mcm7
Tipin
Ran
Nrm
Dek
Cdkn2d
Usp1
Hist1h1c
Rangap1
Dnmt1
Alyref
Tagln2
Nap11
Ncaph2
Tuba1c
Calm3
Ppia
Lsm2
Anapc5
Plp2
Rad21
Hdgf

Dnajc9
Dctpp1
Csrp1
Snrpd1
Hpf1
Ywhah
Cbx3
Jpt1
Nudt21
Banf1
Maz
Pcna
Pmf1
Txn1
Hnrnpab
H2afy
Hint1
Rbm3
Crip1
Arl6ip1
Snrpg
Siva1
Ranbp1
Mrpl18
Lsm5
Actg1
Sae1
Bub3
Smc6
Dnajc2
Tmsb10
Slbp
Pa2g4
Lbr
Lgals1
Smc1a
Srsf3
Hnrnpa3
Anapc11
Exosc8
Mrpl51
Anxa2
Snrpe

S100a10
Rps27l
S100a4
Erh
Gapdh
Vim
Ssrp1
Lsm3
Lsm4
Actn4
Elob
Ctcf
Ddx39
Clic1
Med30
Raly
Psip1
Pfdn6
Actb
Mrpl28
1810037117Rik
Nudc
Pdap1
Mrpl57
Lsp1
Set
Hnrnpd
Cox5b
Ptms
Sf3b5
Snrpc
Cfbf
Rbbp7
Ybx1
Sumo2
Ndufb7
Trim28
Lsm6
Baz1b
Oaz1
Vdac1
Ndufb8
Gnb2

Sms

Calm2

Smdt1

Atpif1

Olfm1

9-Sep

Tnip3

Snrpd2

Cenpx

Gng10

Pycard

Atp5g2

Snrpf

Mapre1

Pgam1

Purb

Hnrnpa2b1

Dazap1

Nol7

Ssna1

Kpnb1

Coro1c

Tpm4

Tmsb4x

Hnrnpul2

Aurkaip1

Zyx

Rnaseh2c

Stub1

Cd24a

Nono

Cdk4

Cycs

Vdac3

Hsp90aa1

Srsf2

Tmem14c

Cdkn1a

Cbfa2t3

Cfl1

Vps36

Cox7a2

Vars

Bax
Trir
Ccr2
Dbi
Smchd1
Tra2b
Tubb2a
Rps27
Ndufa11
Srsf7
Emp3
Taf10
Fam96a
Il1b
Gstm1
Rwdd1
Ywhae
Pbrm1
Traf1
Atp5f1
Id2
Csnk2b
Uqcr10
Lgals3
Rbbp4
Atp5o.1
Arhgdia
Pkm
Npm3
Xist
ApoE
Cd44
Uqcrrs1
Atp5d
Atp5g3
Eif3l
Preli1
Naa38
Cox6a1
Atrx
Flna
H3f3a
Serbp1

Gnb1
Fkbp2
Gpx1
Sh3bgrl3
Gtf2h5
Ptges3
Sf3b2
Cops9
Tcp1
S100a11
Pcbp2
Uqcrq
Tep1
Malat1
Hnrnpf
Atp5j2
Hnrnpu
Cotl1
Myadm
Snrpb
Tpi1
Psmb9
Csf2ra
Atox1
Minos1
Cd209a
mt-Nd2
Cmtm7
Atp5j
Naaa
Itm2b
Eef1a1
Lsm12
Ube2n
Gm2a
Selenop
Ndufa4
Junb
Cox8a
H2-D1
C1qa
C1qc
Wdfy4

mt-Atp8
Fth1
Rpl10-ps3
Atp5e
Pf4
Ccl4
C1qb
Rpl9-ps6
Nfkbia
Mafb
Ftl1
Csf1r
Gm42418
Ctsb
Sqstm1
Btg1
Pnrc1
Zfp36l1
Fcgrt
Mrc1
Ly6d
Ly6e
Lgmn
Ubc
Lyz2
Marcks1
Cd79a
mt-Nd4
F13a1
Pfdn5
Cd14
Neat1
Ctss
Klf2
Arg1
Csf2
Il5
Ccr8
Ccdc184
Lif
Gata3
Klrg1
Ptpn13

Rnf128
Rora
Hs3st1
Il2ra
Areg
Il1rl1
Lpcat2
Inpp4b
Itk
Tnfrsf18
Cd74
Il7r
Lmo4
Cish
Hilpda
Rplp1
H2-D1
H2-K1
H2-DMb1
Rpl23
Furin
Ftl1
Cxcr6
Tmem64
Tyrobp
Rps7
Rps10
Rpl37a
Cst3
Rpl13
Icos
Fcer1g
Ramp1
Lyz2
Uba52
Rps24
Ly6a
Alox5
Ltb
Rps20
Rpl19
Klf2
Ltb4r1

Gadd45b
Ahcy12
Gpx1
Emb
Nfkb1
Skap1
Rps2
Mdfic
Tnfaip3
Ctss
Cnot6l
Gimap3
Rpl32
Rps15a
H2-D1
Rps3
Cd69
Rpsa
Rgs2
Ifitm3
Rgcc
Psap
Rps18
Rpl39
Cd83
Rps8
Rps16
Rpl8
Rpl10a
Rps11
Rpl15
Rpl27a
Marcks11
Apoe
Rps3a1
Unc93b1
Fth1
Trbc2
Rps5
Rpl9-ps6
Ccl6
Samsn1
Alox5ap

H2-DMb1
Rpl36a
Id2
Rplp0
Rps14
Eef1a1
Mt1
Itpr2
Ctsb
Thy1
Ifi2712a
Rpl18
Ctsc
Rps9
Rps4x
Rps19
Rps21
Rpl30
Ccr2
Gm10076
Ifitm2
Mcl1
Ctsh
Grn
Rplp2
C1qb
Pltp
Wfdc17
Tpt1
Rpl12
Cd82
Plek
Zfp36
Rpl36
Ly86
Marcks
C1qc
Rps6
Rpl35
Rpl29
H2-D1
Nrip1
Selenop

C1qa
Prdx6
Rpl18a
Csf1r
Pld4
Mrc1
Rps27a
Rpl14
Cfp
Pf4
Rpl11
Cybb
Rpl27
Rpl22
Rpl7
Itgb7
Ccl2
Spi1
Crip1
Tspan13
F13a1
Cd68
Lgals3
B2m
Ier3
Rpl38
Lgmn
Fcgr2b
Ptprcap
Il2rg
Rpl5
Zeb2
Rpl34
Dnaja1
App
Mafb
Rpl21
Actb
Fcgrt
Rps26
Atf3
Rack1
Rps27

Ldha
Cd14
Socs3
Rpl3
H2-DMb2
Npc2
Ppp1cc
Rassf4
Clec10a
Mgl2
Hcst
Selenot
4930523C07Rik
Rps12
Fkbp3
Rpl24
Ppia
Napsa
Cd79a
Nfkbia
Rps23
Clta
Atp6v0b
Rpl26
Rpl28
Rpl22l1
Sat1
S100a4
Rpl6
Atp6v0c
Iqgap1
Eef1b2
H3f3a
Vps37b
Srgn
Rel
Litaf
Anxa2
Pde4b
Arpc1b
Rpl37
Nr4a1
Ccnd2

Nfkbid
Efhd2
Egr1
Rpl9
Slc25a3
Hexa
Rpl13a
Ptpn18
Fosb
Nfkbiz
Ighm
S100a10
Aff4
Tagln2
Shisa5
Zfp36l1
Ctsa
Kctd12
Sptssa
Ubc
Dusp5
Ctsz
Ptpn6
Ier5
Rps13
Bri3
Ets1
Plec
Cltc
Rps28
Neur13
Neat1
Ptms
Tmem176b
Naca
Clic4
H2-K1
Gabarapl2
Man2b1
Dusp1
Ly6d
Hsp90b1
Ehd4

Gdi2
Rpl7a
Esys1
Nr3c1
Laptm4a
Foxp1
Saraf
Gabarap
Tmem176a
Prdx1
Rexo2
Atox1
Odc1
Xist
mt-Nd1
Pim1
Rgs10
Ier2
Lmna
Nrros
Brd2
Erp29
Eif4a1
Fos
Calm1
Lcp1
Pole4
Fosl2
Hspa5
H2afz
Gnai2
Fam107b
Tuba1b
Anxa5
Btg1
Uqcrh
Snx5
Npm1
Jun
Ncor1
Fkbp1a
Snx3
Myh9

Ythdc1

Lsp1

Fam49b

Arpc2

Sh3bgrl3

Rps15

1-Sep

Aes

Rhoa

Lars2

Ccn1

Akr1a1

Fxyd5

Rpl17

Canx

Cox6c

Ifrd1

S100a6

Wnk1

Rpl4

Gstm1

Gng5

Eif3f

Atpif1

Ucp2

Rrbp1

9-Sep

Pebp1

Syng2

Rap1a

Rtn4

Selplg

Dbi

Btf3

Mrfap1

Lamp1

Rps27l

Gpx4

Calr

Aldoa

Bhlhe40

Rac2

Cd52

Sh3glb1
Sub1
Klf4
Rpl23a
Gpr132
Ctsd
Rap1b
Gstp1
Scand1
Usmg5
Atp6v0e
Rabac1
Spcs2
Capza2
Gltp
Elf1
Cebpb
Atp5g2
Eif5
Jpt1
Rapgef6
Txn1
Ptbp3
Pomp
Vps28
Flna
Cyba
Ostf1
Klf6
Gm8186
Mrpl33
Snrpf
Csnk2b
Eif3h
Vamp8
Uqcrb
Sdcbp
Dazap2
Elob
Zfand5
Atp6v1g1
Tbca
Serp1

2010107E04Rik

Dynll1

Rpl31

Mif

Sec11c

Sec62

Eif3e

Anp32b

Prdx5

Eif3a

Ndufb5

Cytip

Itgb2

Lgals1

Igkv6-15

Ighv1-58

Mzb1

Fcrl5

Cd79a

Plac8

Ctla4

Iglc3

Blk

Nfatc1

Iglc2

Cd79b

Ms4a1

Gm30211

Ly6a

Ighm

D10Wsu102e

Ly6e

Ly6d

Rpl8

Igkc

Hepacam2

H2-K1

Rpl30

Cxcr5

Fcmr

Apobec3

H2-DMb1

Camk2d

Sh3bp5
Fcer1g
Tyrobp
Junb
A530040E14Rik
Cd19
Lyz2
Napsa
Ebf1
Cst3
Bank1
Myo1e
Dnajc7
Cd37
Txnip
Rpl37
mt-Cytb
Rpl3
Cd24a
Zfp36
Dusp1
Odc1
Cyp4f18
Foxp1
Gimap5
Ifitm3
Rpl13
Fcrla
Gm8369
Fos
Rac2
Tmsb4x
Nfkbiz
Rps9
Ftl1
Rps20
Ltb
Ptprcap
Cybb
Ccl6
Tsc22d3
Alox5ap
Gm15987

Mt1
Gpx1
Rps15a
Rps18
Cd55
Tmem176b
Dok3
Ctsb
mt-Atp8
mt-Nd4l
Rps7
Rps19
Egr1
Uchl3
Rps27
Ifitm2
Gimap6
Vim
Rps26
Tagln2
Fth1
mt-Nd5
Rpl9-ps6
Pold4
Crip1
Csf1r
Gimap1
Pltp
Selenop
Rps3a1
Atox1
C1qb
C1qc
Pf4
Rps13
Ier3
Emp3
Rpsa
Psm14
Ifngr1
C1qa
Rps24
Rpl32

Nfkbia
Sub1
Pdia4
Fosb
Vars
Syk
Mrc1
mt-Co3
Psap
Itm2b
F13a1
Npc2
Pfdn5
Rpl19
Arpc1b
Rpl27a
Mtss1
Tmem176a
Rps11
Zfp36l2
Cd68
Rgs10
Fcgrt
Rps3
Klf4
Ahnak
Gstm1
Rac1
Lgals1
Man1a
Hvcn1
Actg1
Zfp706
Rps2
Zyx
Mafb
Cd14
Ccl2
Cd52
Ifi27l2a
Rpl34
Lgmn
Cxcl2

Cd38
Cfp
Jun
Grn
Gimap3
Anxa5
Wfdc17
B2m
Pkig
Klf6
Gimap4
Sp140
Cd69
Efhd2
Lgals3
Tnfaip3
Itgb2
Anxa2
H2-DMb1
Eef1d
Tcf4
Atpif1
Mif4gd
Kctd12
Rpl14
Pfn1
Rap1b
Eif4b
Actb
Rpl12
Man2b1
Gnai2
Zbtb20
Neat1
Nrros
Myl6
Lamp1
Tmod3
Cnp
Gadd45b
Zeb2
Clta
Fyb

Ctsc
Ier5
Cox5a
Rpl36
Rel
Malat1
App
Ier2
Nr4a1
Sem1
Atp6v0c
Marcks
Kdm6b
Ppp1r18
Ctsa
H2afz
Rab4b
Rps6
Ncf4
Hexa
Ly86
Atp6v0b
Pde4b
Ctsd
Serf2
Tmem50a
Eif3h
Cdc42
H2-Q7
Lyn
S100a10
Cotl1
Rilpl2
Mcl1
Gltpl
Sh3bgrl3
Rpl21
Blnk
Dnaja1
Flna
Laptm5
Arf5
Arpc2

H2afy
Calm1
Wnk1
Sdcbp
Rpl22
Tpm3
Ywhaz
Polr2a
Gm2a
Gng5
Oaz1
Tgfb1
Dbi
Myh9
Cfl1
Apc4
Ndufb8
Stk17b
Cstb
Ccn1
Ncl
Rbms1
Btg2
Ehd4
Nol7
Npm1
Tspo
Eif3f
Puf60
Atf3
Ptms
Eif4a2
Selplg
Pou2f2
Ctsh
Chd4
Arf6
Aracl
Fam49b
Prdx5
Cox8a
Zfand5
Hmgn1

Cebpb
Aldoa
Rpl36a
Capg
Plp2
Mbnl1
Atp5g2
Akr1a1
Gm26917
lgkv1-117
Ptp4a2
Uvrag
Mdh1
Ppp1r15a
Vamp8
Jund
Eef1b2
AY036118
Uqcr10
1810037117Rik
Ezr
Gabarap
Erp29
Snx20
Fxyd5
Gdi2
Rrbp1
Txn1
H2-DMa
Xist
Tmsb10
Reep5
Clic4
Cd53
Ostf1
Ywhae
Prr13
Glud1
Atp6v1f
Fus
Gnb2
Atp6v1g1
Cd83

Bri3
Cox6b1
Sec61b
Ddx39b
Pafah1b1
Eif3e
Lamtor2
Kmt2e
Cltc
Eef1g
Smim14
Rhog
Socs3
Psmb1
Uqcrq
Pld4
Pcbp2
Atp5j
Arpc5
Calm3
Tln1
Hnrnpa1
Scaf11
Ywhah
Srsf11
Calm2
2010107E04Rik
Cnbp
2410015M20Rik
Canx
Ndufb10
Prg2
Derl3
Jchain
Eaf2
Iglc1
Slpi
Txndc5
Mzb1
Plpp5
Iglv1
Creld2
Cacna1s

Trp53inp1
Igkc
Iglc2
Fam46c
Fam214a
Ckap4
Pdia4
Edem2
Xbp1
Ighm
Pou2af1
Edem1
Txndc11
Sdc1
AC133103.1
Isg20
Iglc3
Phgdh
Tmsb4x
Spcs2
Herpud1
Sec11c
Hsp90b1
Hyou1
Manf
Ly6a
Actb
Fkbp2
Lman1
Sdf2l1
Rgcc
Tmem154
Fth1
Fau
Spcs1
Prdx4
H13
Rps9
Tpt1
Hdlbp
Serp1
Rexo2
Ssr4

Ctla4
Ergic1
Selenos
Spcs3
Junb
Sel1l
Rps29
Rplp1
Actg1
Rpl37a
Trabd
Rps11
Pfn1
Pafah1b3
mt-Co1
Rps16
Tyrobp
Krtcap2
Rpn1
Trp53i11
Ddost
Sec61a1
Rps12
Tmem248
Ift20
Rpl30
Rpl23
Sh3bgrl3
Fcer1g
Rps23
Gpx1
Pdia6
Rpl27a
Cfl1
H2-Aa
Rps5
Rps27
Lyz2
Dnajb11
Rpl39
Rps19
Dusp1
Rpl13

Ube2j1
Tmed2
Crip1
Rps4x
Rps15a
Rpl32
Rps21
lgkv12-44
Mrpl57
Ppia
Spint2
Dnajc3
Eef1a1
Clptm1l
Rps13
Slamf7
Kdelr1
Ifitm3
Rpl7
Chchd10
Slc39a7
Btg2
mt-Co3
Fcrla
H2-Ab1
Rpl34
Cnpy2
Slc35b1
Preb
Rps14
Tram1
Tmed10
Erp44
Rps3a1
Vim
Rpl36
Rps10
Rpl11
Rpl18a
Rps7
Rpl19
H2-K1
mt-Nd2

Derl1
Myl6
Ptpn18
Rps18
Psap
Ccl6
Uba52
Rpl37
Laptm5
Alox5ap
Arpc1b
mt-Atp8
mt-Co2
Nfkbiz
Mtdh
Irf4
Srpr
H3f3a
Rplp2
Surf4
Arpc2
Rpl3
Rps27a
Slc3a2
Ly6d
Rpl15
P4hb
Lman2
Cst3
Rpl22
Rps28
Ssr2
Cmah
Rps2
Rpl27
Marcks1
Csf1r
Kdelr2
Rps3
Ifitm2
Coro1a
Rpsa
Rap1a

Ier2
Rps6
Tspan13
Gm10076
1110008P14Rik
Rpl35
Sars
Rps26
Cd24a
Nr4a1
Rpl9-ps6
Ubxn4
Gnai2
Rpl26
Mgat1
Tmsb10
Rpl36a
Clta
Tmbim4
Rps8
Igv1-117
Morf4l2
Rpl6
Rpl12
Rpl28
Tmed9
Odc1
Marcks
Cope
C1qa
Hspa5
Ero1lb
Ftl1
Ssr3
Txnl1
St6gal1
Zfp36
F13a1
Ctsh
Btg1
mt-Nd1
Gorasp2
Rpl10a

Igkv3-2
Hist1h1c
Apoe
Sec61b
Uchl3
Vcp
Pltp
Rpl38
Rpn2
Sec61g
Stk17b
Lcp1
Pf4
Rps20
Wfdc17
Klf4
Rpl35a
Cd14
Ccl2
C1qb
Tpm3
Mdh1
C1qc
mt-Atp6
Tagln2
S100a6
Arf4
Ptma
Nucb1
Cox4i1
Serf2
Zeb2
Calr
Srp9
Ddx5
Cox8a
mt-Nd4
Ctsc
Mrc1
H2-K1
H2-Q7
Rpl13a
Dnajc7

H2afz
mt-Nd4l
Lgals3
H3f3b
Rps15
Atf3
Ifngr1
Actr3
H2-DMa
Tmem258
H1f0
Cd74
Clic1
Fcgrt
Oaz1
Ly86
Cdc42
Ahnak
Arpc3
Arhgdib
Ier3
Cotl1
Klf2
Selenop
Rpl21
Kdm6b
Naca
Cxcl2
Capzb
Rpl18
Mafb
Bri3
Hspa8
Cfp
Gm42418
Hsp90ab1
Cyba
Spi1
Rpl23a
Cd68
Rps25
Rpl10-ps3
Rack1

Rpl36a1
Ostc
Pld4
Ifi2712a
Nrros
Sat1
Fam49b
Rpl8
Npm1
Rps24
Capza2
Atp2b1
Atp5g1
Rpl24
Fus
App
Arpc5
Rac1
Mcl1
Anxa2
Flna
Rpl14
Zfp3612
Ppib
Socs3
Anxa5
Kctd12
Sem1
Myh9
Rpl9
Vamp8
Eno1
Efhd2
Atox1
Ptprc
Lamp1
Slc25a3
Rrbp1
Eif1
Cebpb
Pfdn5
Sdcbp
Hexa

Sqstm1
Tln1
Rpl5
Emp3
Fos
Mt1
Rpl10
Ctsb
Rpl29
Pde4b
Atp5e
Hnrnpa2b1
Npc2
Gadd45b
mt-Nd5
Rbms1
Brk1
Ost4
Iqgap1
Egr1
Ctsa
Rap1b
Litaf
Uqcrh
Lgmn
Grn
Pabpc1
Cnn2
Ucp2
Ccnl1
Dbi
Chd4
Arf5
Hsp90aa1
Gltf
Fyb
Glud1
Gmfg
Ndufa6
Lsp1
Rhog
Plek
Sub1

Itgb2
Ctsd
Rpl22l1
Snx3
Msn
Pnrc1
Jund
Prdx5
Tgfb1
Fxyd5
Srgn
Chchd2
Cltc
Rpl41
Rpl4
Rel
Tmem176b
Tspo
Malat1
Rgs10
Gm8186
Pdia3
Eif3e
Tnfaip3
Cd83
Rpl7a
Atpif1
Cox7a2l
Limd2
Mbnl1
Zyx
Ubc
Dazap2
Ybx1
Cstb
Itm2b
S100a10
Anp32a
Cox6c
Rbm39
Atp5l
Tomm7
Ptms

Eif3f
Sri
Calm2
Akr1a1
Lgals1
Snx5
Xist
Eef1b2
Rpl31
Wasf2
Cox7c
Gpi1
Zfp36l1
Atp6v1g1
Jak1
Tpr
Grcc10
Arpc4
Tuba1b
Morf4l1
Calm1
Napsa
Rnaset2a
Gng5
Psme1
Neat1
Ehd4
Arhgap45
Hmgb2
Arhgdia
AY036118
Hspe1
Akap13
Atp5h
Tnfrsf4
Izumo1r
Sostdc1
Tnfsf8
Ikzf2
Cd3e
Ctla4
Tox
Tigit

Lag3
Cd3g
Cd4
Cd5
Cd3d
Lck
Cd247
Icos
Tnfrsf18
Cd82
Pdcd1
Zap70
Trbc2
Cst7
Cd27
Smco4
Trac
Cd2
Lat
Eea1
Gimap3
Ltb
Il2rb
Slamf6
Tcf7
Socs1
Cxcr3
Il21r
Ubal2
Ly6a
AW112010
Tyrobp
Prkch
Skap1
Areg
Hif1a
Fcer1g
Inpp4b
Prkca
Shisa5
H2-Q7
Bcl11b
Fyn

Ms4a4b
Cst3
Gimap6
Ets1
Ndfip1
Cd28
Ptprcap
Gimap4
H2-K1
Psap
Lyz2
H2-Q7
Thy1
Stat1
H2-Q7
Cd74
H2-Eb1
Bhlhe40
Gapdh
Ftl1
Zfp36
Rac2
Ifitm3
Gpx1
Lcp2
Limd2
Fos
Tspan13
Ccl6
Malt1
Odc1
Rinl
Il7r
Sla
Alox5ap
Batf
Rhoh
Itpkb
Pnrc1
H2-DMa
Sdf4
Gm8369
ApoE

Srgn
Fosb
Gna13
Rabgap1l
Tmem176b
Crip1
Ubb
Ctsh
Mt1
Unc93b1
Tgif1
Pltp
Nfatc1
Csfr1
Malat1
Fth1
Pglyrp1
Egr1
Il2rg
Myh9
Ptpn11
Ptpn22
Ier3
Mcl1
Cdkn1b
Grn
Wfdc17
Marcks
S100a11
Chd3
Ctsc
Peli1
Mrc1
C1qc
Atf3
Pld4
Cirbp
Vps37b
C1qa
Smc4
Rgs1
Pf4
Fyb

Plek
Kctd12
Ifitm2
Cfp
Junb
Spi1
Ddx39b
Klf4
H2-DMb1
Akap13
Smpd13a
Eef1a1
Nrros
Tmem176a
Fcgrt
Mafb
Marcksl1
C1qb

1-Sep

Itga4
Fcgr2b
Cd68
Nrip1
Pfn1
F13a1
Coro1a
Gstm1
Lgmn
Nfatc3
App
Btg1
Per1
Kmt2a
Ccl2
Emb
H2-DMb1
Lgals3
Zeb2
Cd14
Ptprc
Orai1
Itgal
Hexa

H2-Q7
Arhgap45
Npc2
H2afz
Nfkbiz
Pkm
Jun
Erp29
Stk17b
Eprs
Gsta4
Tmsb10
Cd69
Cxcl2
Ehd4
B2m
Selenop
Cdk2ap2
Tnfaip3
Fxyd5
Eef2
Ncor1
H2-DMa
Ankrd12
Itgb7
Tnfrsf1b
Clic4
Rpsa
Itgb1
Ly86
Ctss
H2-DMa
Gm2a
Phf20l1
Ghitm

9-Sep

Ypel3
Csnk1a1
Tnfaip8
Cybb
Atp6v0b
Prkar1a
Cnn2

Fam107b
Xist
B4galnt1
Rbm39
mt-Atp8
Lcp1
Rbm3
Rpl10
Lrp10
Csnk2b
Hcst
Man2b1
Tnrc6b
Tsn
Aldoa
Ppia
Cltc
Neat1
Atox1
Litaf
Vim
Saraf
Myl12b
Serbp1
Camk2d
Tmsb4x
Clta
Rapgef6
Eif3f
Pim1
Bri3
Lrrfip1
Ddx24
Arl6ip1
Mdh1
Ppp1r12a
Ythdc1
Psm2
Rps29
Dad1
Sf3b2
Bcl2a1b
Capg

Tecr
Zyx
Apbb1ip
Atp5c1
Ube2b
Son
Klf2
Cd83
Prdx2
Arf4
Sri
Ctsa
Traf1
Arid4a
Lamp1
Psmb8
Snx5
Grcc10
Arhgdib
S100a10
Cct8
Ldha
Sptbn1
Rrbp1
Srpr
Serinc3
Bcl2a1d
Serf2
Ube2i
Napsa
Jak1
Psme1
Ube2d3
mt-Nd6

7-Sep

Atrx
Prcc2c
Arf1
Msn
Cnbp
Tob2
Anxa5
Cd37

Vcp
Sem1
Sec11c
Hsp90b1
Cd52
Rpl35a
Puf60
Rnf187
Tmbim4
Akr1a1
Atp6v1g1
Psmb1
Anxa2
lgkv1-117
Psme2
H2afy
Gm8797
ler2
Rnaset2a
Eno1
Gpr132
Rnaset2b
Zfand5
Sdcbp
Gm42418
Eif3c
Prdx5
Ost4
Kmt2e
Hmgb1
ler5
Btg2
Mtdh
Tmem50a
Ctsb
Mycbp2
Atp5b
Tpm4
Ddx5
Ezr
Stk4
Ctsz
Skp1a

Ptms
Tomm20
Trir
Gstp1
Eif4a2
Hnrnpk
Eif3i
Itm2b
Mif
Lbh
Foxp1
G3bp1
Psm3
Rpl22l1
Elob
Cyba
Pde4b
Fscn1
Apol7c
Cacnb3
Nudt17
H2-Q7
Mreg
Socs2
Il4i1
Ccl22
Il12b
Strip2
Ankrd33b
Aldh1a2
Zmynd15
Tbc1d4
Fabp5
Rogdi
Anxa3
Tmem123
Plxnc1
Basp1
Ccr7
Tmtc2
Relb
Net1
Serpnb6b

Bcl2a1a
Spint2
Cxcl16
Tspan3
Pfkfb3
Birc2
Samsn1
Adam8
Ccl5
Bcl2a1b
Nostrin
Serpina9
Avpi1
Iscu
Ccl17
Mthfd2
Bmp2k
Tmem39a
Fam49a
Tbc1d8
Fam60a
Cpne2
Lrrk1
Pcgf5
Bcl2a1d
Id2
Etv3
Ly75
Gyg
Traf1
Ube2l6
Actn1
Rgs1
Gli3r2
Epsti1
Csf2rb2
Mxd1
Tmsb4x
Pgap2
Foxp4
Cd63
Ggta1
Arl5c

Psme2
Flt3
Myo1g
Lsp1
Jak2
Clic4
Bhlhe40
Map3k14
Grasp
Pmaip1
Syng2
Tmem131l
Sdhaf1
Actg1
Nr4a3
Htra2
Csrp1
Gadd45b
Adora2a
Uap1
Map4k4
Cdc42ep3
Aebp2
Csf2rb
Ly6e
Rnf115
Gpr132
Ogfrl1
Actb
Etv6
Cblb
Fam32a
Gfpt1
Spr
Pik3r1
Rel
H2afz
Marcks
Casp3
Il21r
Cbfa2t3
Atox1
Hivep1

Psmc1
Tmem176a
Batf3
Calm1
Gpr137b
Mkl1
Cd40
Lactb
Dpp4
Ccnc88a
B2m
Arhgap31
Fam129a
Cd44
Ktn1
Crip1
Rftn1
Psmc8
Selplg
Rap2b
Traf6
Marcks11
Cst3
Grk3
Ptpn18
Lyz2
Anxa4
Fth1
Nudt9
Txndc17
Arl4c
Phf11b
Npc2
Prex1
Tmem176b
Nrp2
Rpsa
Lima1
Apoe
Dusp5
Rps27l
Jund
Cnn2

Mob3a
Swap70
Rnf19b
Trafd1
Nfkbia
Mvp
S100a11
Tank
Btg1
Malat1
Nav1
Itgb1
Herpud1
AW112010
Gtpbp4
S100a4
Rassf2
Ncoa7
Ptms
Selenop
H2-DMa
Rabgap1l
Tap1
Cd83
Sri
Tes
H2-Eb1
Clec2d
Apobec3
Ctsz
Rps19
Anxa2
Ikbkb
Bri3bp
Mrpl14
Pbxip1
Zfp36l1
Cdkn1a
H2-DMb2
Psmg4
Dynll2
Malt1
C1qb

Fos
Brk1
Psmb9
Cd47
Asap1
Tuba1c
Alox5ap
Myl6
Fosb
Stk4
Csf1r
Rhog
Edf1
Birc3
Ccl6
Cytip
Nfkb2
Zfand6
Itm2c
Egr1
Ier2
C1qa
Rala
Gmfg
Rac2
Supt4a
Trim35
Nfkbie
Mrc1
Ctsc
Smarce1
Sbno1
C1qc
Vim
Wnk1
Jun
Wdr1
H2-DMb1
Pltp
Tnfrsf1b
Cfp
Dstn
Cebpb

Stk17b
Ostf1
Slc6a6
mt-Cytb
Klf4
Shisa5
Ctnna1
Sqstm1
Ifitm3
Pde4b
Itga4
Myo9b
Slamf7
St8sia4
Nrip1
Ighm
Zfp36l2
Rab8b
Arf4
Nfkbib
Mafb
Unc93b1
Nfil3
Klf2
Tubb2a
Cd14
Ccl2
Cd53
Atpif1
Fcgr2b
Coro1b
Fnbp1
F13a1
Pf4
Srgn
Itm2b
Snx20
Sec61b
Uvrag
Ifngr1
Serp1
Txn1
Ctsd

mt-Nd2
Dusp2
Kxd1
Tap2
Got1
Fxyd5
Ifi2712a
Cybb
Cflar
Serinc3
Rps26
Stat1
Smchd1
Fcer1g
Grn
Wfdc17
Hsp90b1
Rbm17
Skil
Arhgap30
Rtraf
Sub1
Vcp
Arhgdib
Icam1
Vamp8
Pim1
Cyba
Cd79a
Sh3glb1
Hint1
Tubb5
Ak2
Psmb10
B4galnt1
Lamp1
Dap
mt-Atp8
Ccni
Man2b1
Pirb
Cstb
Skap2

Spop
H3f3a
Ywhah
Arpc4
Scand1
H2-DMb2
Krccl1
Hsp90ab1
Ahnak
Atp6v0e
Junb
Krtcap2
Efhd2
Dock8
Ctsb
Tagln2
Fcgrt
Ly6d
Ctsh
Aup1
Ptprcap
M6pr
Ly86
Myh9
Scpep1
Plid4
Psm5
H2-DMb2
Irf1
Hspa5
Tspo
Chchd2
Snx5
Taok3
mt-Nd1
H2-DMb1
Capg
Rpl7a
Pfn1
Cxcl2
Ldha
Eloc
Ehd1

Ghitm
Mbnl1
Tapbp
Srsf3
Rgs10
Ehd4
Peli1
Zfp706
Rpl13a
Ier3
Cd37
Necap2
Prkcd
Cdk2ap2
Tpm4
Slc38a2
Cdc42se1
Tnfaip8
Ctsa
Hexa
Nr4a1
Abracl
Scamp2
Btg2
Rplp1
Selenok
Sh3bgrl3
Ier5
S100a10
Nap1l1
Hspa8
Ccdc50
Gstm1
Ypel3
Tgfb1
4930523C07Rik
Socs3
Ubxn1
Eno1
Nme2
Psap
Csnk2b
Cox5b

Cox5a
Litaf
Itgb2
Tln1
Tmem50a
Cd68
Rpl12
Tra2a
Coro1a
Gstp1
Tmbim4
Ddx5
Dusp1
Emp3
Ube2n
Prcp
Dek
Ilk
Slc3a2
Zeb2
Ndfip1
Ncf1
Dad1
mt-Nd4
mt-Atp6
Ptpn6
Rassf4
Mlf2
Sdcbp
Pcbp2
Grcc10
Lgals1
Rps17
Tbca
Fyb
Gpcpd1
Atf3
Samhd1
Hnrnpa3
Gm2a
Hsp90aa1
Cd52
Ptprc

Stat3
Eif5a
Cotl1
Iqgap1
Clic1
Slc25a5
Ifitm2
Ube2l3
Il1r2
Il1b
Tnfaip2
Gsn
Ccl22
Ccl17
Il1a
Itgax
Bhlhe40
Grasp
Cst3
Ccr12
Epcam
Smim3
Spint1
Gng10
Cd74
Gm2a
Itgae
Cd9
Nfkb1a
Qpct
Ptgs2
Ccl4
Cd209a
H2-DMb1
Basp1
Smpd13a
Wdfy4
Nfe2l2
Tctex1d2
Dusp2
Actn1
H2-DMb1
Bcl2a1d

Gsg1
Havcr2
Rtl8c
Lgals3
Nr4a3
Dusp5
Ccr1
H2-DMa
Etv3
Sec61b
Plet1
Hexb
Ywhah
Csf2rb
Icam1
Nr4a2
Mdh2
Tnip3
Herpud1
Atox1
Pkib
Tnfsf9
Kit
Pak1
Vrk1
Cxcl16
Vasp
Pilra
Themis2
Med21
Ppp1r1a
Taldo1
Gngt2
Igsf8
Bcl2a1a
Akr7a5
Rogdi
Csrnp1
Rasgef1b
Malt1
Cd300c2
Tbc1d9
Lsp1

Skil
Ebi3
Ccdc12
Tep1
F11r
Napsa
Slamf7
Ivns1abp
Sdf2l1
Tbc1d4
Tnf
Lmnb1
Csf2ra
Lcp1
Plbd1
Spi1
Ncf1
Cd33
Pmaip1
S100a11
Tmem238
Ssr4
Gdi2
Elovl5
Srgn
Syng2
Bcl2a1b
Arl5c
Slc2a6
Dapk1
H2-Ab1
Gpi1
Rgs1
Ppfia4
Fam49b
Ifitm6
Got1
Mical1
Flt3
Ikbkb
Arl4c
Hck
Jak2

Anpep
Card11
Tmem39a
Sh3bgrl3
Jaml
Cd52
Aif1
Sowahc
Fgl2
Agpat4
Hk2
Ccnd2
Nlrp3
Nr4a1
Atxn10
I830077J02Rik
Tnfaip3
Zfp593
Gapdh
Actg1
Cyb5r3
Rtn1
Maff
Ccdc88b
Plcb2
Med29
Alcam
Nap11
Rplp0
Cytip
Rheb
Mrpl52
Stap1
Lpcat2
Nfkbib
Tnfaip8
Cotl1
Ptms
Hfe
Fam105a
Pilrb2
Fth1
Plk3

Csrp1
Alox5ap
Ctss
Cass4
Sulf2
H2-Eb1
Tbc1d8
Gadd45b
Tmem131
Ctsz
Dot1l
Irf4
Lsm6
Tmsb4x
Zeb1
Plscr1
Egr3
Snx20
Filip1l
Neur13
Mkl1
Ccnd1
Soat1
Nfkbie
Rpl14
Spint2
Actb
Atp6v0e
H2-Aa
Klrd1
Isy1
Coq10b
Nceh1
Tmed5
Arf6
Osgep
Abi3
Cbfa2t3
Pim1
Man2b1
Nedd8
Uqcc2
Gabarapl2

Tuba1c
Rnase6
Wdr1
Ckb
Crtc3
Rbm17
Tgif1
Tgfb1
Btg2
Ms4a6c
Arf4
Myh9
Crlf2
Pip5k1c
Khk
Atpif1
Apbb1ip
Cd300a
Myl12a
Ece1
Sf3b1
Rbbp7
Rnaset2a
Rel
Fes
Rtraf
Glipr1
Cd72
Pcbp1
Dapp1
Ifrd1
Tyrobp
Exosc5
Ube2f
Srsf7
Myo1f
Tmem14c
Rassf5
Fem1c
Mrpl30
Cd24a
Sf3a2
Snx10

Mgl2
Gtf2b
H2afy
Rps27a
Myl12b
Prdx6
Slc25a4
Pgam1
Clic4
Dock10
Rpl29
Rab11fip1
Cdc42
Eif4g3
Gpx1
Cd86
Eef1b2
Irf5
Rbmxl1
Dennd4a
Nuak2
Rsu1
Gpsm3
Pdlim5
Mpc1
Ly86
Rpl6
Tm2d2
Tpm4
Rpl28
Rnh1
Ap3b1
Ubl5
Rpl39
Tbrg1
Uqcrb
Acsl5
Traf1
Rin3
Eef1a1
Erp44
Litaf
Fgr

Tma7
Ncf2
Lamtor1
Sbds
Itgb2
Rps26
Dnaja1
H2-DMb2
Gsto1
Bri3bp
C1qbp
Psme1
Rps5
Myo1g
Fryl
Sh3bgrl
Fam46a
Chd7
Rpl35
Erh
Eif3k
Arpc4
Tob2
Mrps18a
Gpr183
Pabpc1
Snap23
Rpl10-ps3
Pde4b
Adprh
Serf2
Polr2g
Actr3
Rpl37
Hint2
Acp5
Cox5a
Atp5e
Atp6v1g1
Nme2
mt-Co3
mt-Co1
mt-Cytb

mt-Atp8
mt-Nd2
Ubb
Eif1
mt-Atp6
H3f3b
H2-DMb2
Gm42418
mt-Nd4
H2-Aa
Foxp1
H2-DMb1
Jund
Zfp36l1
Zfp36l2
Itm2b
Shisa5
Neat1
Serinc3
Emp3
Lgals1
Ehd4
Ptprcap
Cd81
Marcksl1
Mafb
Ctsd
Klf6
Cd37
Csfr1
Ly6d
Pltp
Cd14
Cebpb
Ifi27l2a
Ahnak
Klf4
Ighm
F13a1
Mrc1
Klf2
Ccl6
Cd79a

Selenop
Lyz2
Ccl2
C1qc
Pf4
C1qa
C1qb
ApoE
Nr1h3
Colq
H2-Ab1
Cxcl9
Il18bp
Hebp1
Cxcl13
Mmp14
Fabp5
C3
Phyhd1
Dnase1l3
Fam26f
Gdf15
Vcam1
Cxcl16
Apobec1
Acp2
Snx24
Lag3
Fam20c
Aif1
Cd63
Fcgr4
Slamf8
Ccl8
Anpep
Rgs1
Ms4a7
Acp5
Pla2g7
Cd300c2
Tmem86a
Tspan3
C1qb

Pla2g2d
Pdlim4
C1qa
Lgals3bp
Rab20
Aoah
Pld3
Slc25a33
Ctsz
Creb5
Axl
C1qc
Lpcat2
Tmem37
Il1rn
Ctss
Tnfaip2
Tnfsf13
Plbd2
Slamf7
Psap
Stard9
Lst1
Tmem106a
Tspan4
Lamp1
Fscn1
Atp6v0c
Acvrl1
H2-DMb1
P2rx4
Itgax
Mitf
Rasa4
Bcl2a1a
Ctsb
Tmem176a
Mtmr10
Sirpa
Ninj1
Il4i1
Cstb
Cd68

Fth1
Ccr12
Cd302
Itm2c
Cd300ld3
Rnf149
Ppt2
H2-DMa
Cebpa
Lgmn
Camk1
Slc15a3
Anxa4
Fam213b
Ccl12
Cd74
Amdhd2
Clic4
Clec4a3
Csf2rb
Pirb
Il11ra1
Hpgds
Cyba
St8sia6
Gngt2
Cd81
Cxcl10
H2-Eb1
Bcl2a1b
Lgals3
Lyz2
Efhd2
Syng2
Lair1
Sdc3
Litaf
Slc11a1
Basp1
Slc31a2
Itm2b
Tmem176b
Fcgr3

Ifrd1
Pim3
Abcg1
Mpeg1
Anxa3
Ctsd
Naxe
Rogdi
Cd300ld
Wfdc17
Fam46a
Clec4n
Grn
Ftl1
Vamp5
Plxnb2
Gda
Ctsa
Tpd52
Nagk
Aldh3b1
Pltp
Cndp2
Polb
Fcgr2b
Relb
Tank
Nfe2l2
Daglb
Fgr
Scarb2
Insig1
Ldlr
Mrpl13
Cd300a
Oxct1
Lmna
Plbd1
0610012G03Rik
Echs1
Rab7b
Edem2
Mafb

Anxa5
Clec4a1
Serpina3g
Rps7
Hexa
H2-DMa
Strn4
Timp2
Slc3a2
Rilpl2
Ftl1-ps1
Rps14
Cfp
Stat1
Klhdc3
Nfil3
Rpl13
Rpl8
Unc93b1
Dhrs1
Tpt1
Tcirg1
Rpl36
Rpsa
Rps15a
Frmd4b
Npc2
Med29
Coro1b
Akr1a1
Rps3a1
Igsf6
Fcer1g
Cd38
Gm5617
Rgs10
Atox1
Dctn2
Il1b
Rps5
Lrp1
Cd14
Iscu

Mdfic
Sat1
Pgap2
Cxcr4
Rps16
Glul
H2-Aa
Gbp2
Rps27

1-Mar

Abhd12
Bcat2
Vim
Plk2
Sash1
P2ry6
App
Herpud1
Gm36161
Hexb
Pld4
Ly86
Filip1l
Fau
Gns
Leprot
Asah1
Myo5a
Ifngr2
AW112010
Myof
Rabep1
Gpr137b
Rpl37a
Clec4a2
Csf2ra
Batf3
Rpl32
Cebpb
M6pr
Rpl18a
Uap1l1
Lpin2

Vma21
Vat1
Csf1r
Nrp2
Dnajb14
Rrad
Selenop
Ndufb8
Glx
Sdc4
Mcur1
Ppp1r12c
Capza2
Lrpap1
Rpl18
Med10
Prpf38b
Prex1
Soat1
Gltp
Rps3
S100a1
Rgl1
Pmp22
Rpl34
Ak2
Rpl30
Vps41
Iah1
Atp6ap2
Tbxas1
Ntan1
Rps19
Pon2
Fam173a
Cx3cr1
Tinf2
Ptms
Lpl
Myo1f
Rps23
Rps24
Znfx1

Bri3
Rrbp1
Rbm47
Atp6v1b2
Rps8
Zfp703
Dram2
Ifitm2
Pttg1ip
Ly9
Ccr5
Entpd1
Creg1
Rps4x
Arl5c
Vamp8
Gng2
Ap1s1
Rps10
Tpm1
Atp6v0b
Osgep
Hck
Ctsl
Fuca1
Lrrk1
Uba52
Tex264
Sde2
Atpif1
Epsti1
Cd44
Znhit1
Nfkb2
Dtnbp1
Tyrobp
Ubl3
Hfe
Bola3
Srgap2
Ctsc
Rps11
Dse

Tmem256
Nrros
Adam17
Sdcbp
Gm10076
Emc7
Rps9
Rpl10a
Rpl7
Rpl9-ps6
Golga4
Tmsb10
Id2
Lyn
Cmtm3
Cybb
Qdpr
Rpl37
Sik1
Ctnnb1
Mcub
Rps12
S100a6
Prdx1
Tpp1
Trappc3
Pycard
Lrrc25
Sgpl1
Vdac2
Xdh
Plxnd1
Prkcd
Rab5c
B2m
Apoe
Irf8
Rpl23
Rps27a
Lamtor1
Gpr65
Sdhc
Etfa

Plgrkt
Clec12a
Ptpn1
Cox5a
Eprs
Rhog
Calm2
Ifnar1
Laptm4a
Rpl11
Yif1b
Rps18
Psm6
Rasgef1b
H2-Eb1
Grb2
Grina
Sdhb
Atp6v0d1
Atp5c1
Nenf
Spcs1
Rpl39
Sh3glb1
Atp6v1e1
Ndufc2
Nsfl1c
Atp6v1a
Mink1
Rpl27a
Lsp1
Magt1
Rpl35
Ndufs3
Rnf19b
Man2b1
Rps21
Map7d1
Ergic3
Tiparp
Ilk
Slfn2
Rpl27

Rnh1
Rnf130
Eef1a1
Atg5
Coro1a
Cyfip1
Ifi27
Fosl2
Rtf2
Mtch1
Pigp
Fyb
Colgalt1
Sec61g
Nfkbie
Ndufs2
Plek
Ucp2
Dnajc15
Prdx2
Il2rg
Lilr4b
Fkbp15
BC028528
Comt
Rps29
Zeb2
Pacsin2
H2-Ab1
Mvb12a
Dnase2a
Bcl2a1d
Rnf213
Ier2
Rpl38
Rplp2
Rpl6
Cd84
Rps6
Mrps34
Igbp1
Rps13
AI413582

Ets2
Rps20
Eno1
Slc35b2
Edf1
Gm21188
Clta
Rps2
Rps28
Rpl23a
Prdx5
Rack1
Rplp1
H2-Ab1
Napsa
Sulf2
Runx3
Mgat2
Gabarap
Got1
Icam1
Rpl14
Naca
Reep5
Rpl9
Lman2
Sdf2l1
Cuedc2
Aamp
Prcp
Per1
Vcp
Atp6v1d
Tubb2a
Uqcrb
Mapkapk2
Txn1
Tnfrsf1b
Ehd4
Gpx1
Ctsh
Gimp
Mrpl14

Dctn3
Rpl19
Cd83
Ms4a6c
Stard3nl
Ccgc88a
Atp2b1
Arpc1b
Rpl5
Ptprcap
S100a10
Dnajb6
Lipa
Ccl5
Rpl12
Mlf2
Card19
Ifi2712a
Fgl2
Minos1
Rpl26
Cd79a
Il10rb
Acaa1a
Rplp0
Mvp
Spi1
Selenos
Lcp2
Gpr132
Rpl22
Tgfb1
Atp5g3
Map2k2
Aldoa
Gusb
Rpl13a
Psmb5
Hsp90ab1
Cd9
Pf4
Rtraf
Rps26

Sqstm1
Rheb
Mrpl36
Arhgap45
Btg1
Saa3
Prg4
Alox15
Serpib2
Padi4
Cd5l
Lrg1
Selp
Prtn3
F5
Tgfb2
Ltbp1
Ptgis
Wnt2
Fabp7
Cald1
Itga6
Olr1
Calml4
F10
Gm16104
Cgn1
Icam2
Thbs1
Slpi
Fn1
Emilin2
Fabp4
Il6
Ecm1
Mcemp1
Engase
Timd4
C4b
Plxdc2
Pygl
Ltc4s
Flnb

Cxcl13
Itgam
Clec4d
Gadd45a
Gda
Clec4e
Bst1
Msr1
Ptgs1
Cxcl2
Cxcl1
Ednrb
Osm
Atp1a3
Evi5
Ccr12
Fabp5
Wfdc17
Nupr1
Hgsnat
Gngt2
Timp2
Lyz2
Cd9
Sdc3
St3gal5
Hp
Man2a1
Ier3
Ank
Cfp
Alox5ap
Pilra
Cybb
Polr3gl
Lyz1
Fgfr1
Tcn2
Cebpb
Khk
Cd14
Prdx5
ApoE

Klf13
Pros1
Plaur
Ipmk
Gpx1
Itgb2
Comt
Klf9
Fcna
App
C1qc
Mgst1
Smpdl3a
C1qb
Cd74
Ifitm3
Pycard
Adgre1
Tmsb10
Gapdh
H2-Aa
Cd84
Tyrobp
H2-Eb1
Plk2
Tnfsf13
H2-Eb1
Add3
Pltp
Lrp1
Nfkbia
Fcgr3
Plek
Ctsl
Dusp1
Hacd4
Ifitm2
Coro1a
C1qa
Pmp22
Txn1
Lpl
Mafb

Hexa
Cd52
Ier2
Rbpms
Fam46a
Ccl6
Rhoc
Creg1
Neat1
Cfh
Bmp2
Tmx1
C5ar1
Cyba
Nlrp3
Ctsd
Lamp2
Camk1
Dapk1
Dhrs3
Sgms1
Pgd
Hipk2
Mfsd5
Pf4
Ftl1
Tmsb4x
Malat1
Phlda1
Alox5
Derl1
Gng5
Srgn
Selplg
Tagln2
Idh1
Egr1
Jun
Tnfaip8
Dhrs7
Lamtor4
Nucb1
Nin

Glul
Ccl24
Man2b1
Tmco1
Actg1
Anxa3
Gimp
Cdkn1a
Cd86
Ccnc12
Ctss
Sdf2l1
Lgals3bp
Itgb1
Ly6e
AI467606
Cotl1
Acy
Ppp3ca
Aldh2
Pam16
Lrpap1
Stk17b
Tmed3
Zfp36
Ccn1
Rps8
Npc2
Vkorc1
Ifnar2
Aplp2
Sel1l
Ninj1
Cd83
Ubash3b
Cflar
Park7
Reep3
Ndufv3
Cd93
Cd36
Itsn1
Tiparp

Nr4a1
Bola3
Arrb2
Dnajb9
Cd302
Tb1x
Tmem14c
Ahnak
Pfn1
1810009A15Rik
Lptm5
Rpl13a
Tln1
Gnaq
Grn
Snx1
Rpl10
Bin1
Dusp3
Vsir
Ier3ip1
Fxyd5
S100a1
Ifngr1
Gorasp2
Txnrd1
S100a6
Ost4
Ighm
Ccl9
Lcp1
Cmtm7
Rnpep
Zeb2
Ifitm6
Znhit1
Mrps15
Klf6
Ptprc
Gmfg
Ets2
Fermt3
2900097C17Rik

Psmb8
Sptbn1
Nenf
Bcl2a1b
Ppib
Btg1
Dbi
Ssr4
Gtf2h5
Sft2d1
Msrb1
Blvrb
Prdx6
Junb
Tgfb1
Hexb
Nfkbiz
Cox6a1
Ptprcap
Napsa
Drap1
Lamp1
Trf
Ncf2
Manf
Myh9
H2-Aa
Rps24
Cd79a
Ptms
H2-Ab1
Ndufa1
C3ar1
Sod2
Plin2
Rpl18
Zc3h12a
Os9
Ndufa4
Ppp1r15a
Rps2
H2-Ab1
Klf2

Adam15
Ncf1
Eno1
Rpl8
Irf2
Rps15a
Mrc1
Glud1
Atp6v1a
Sec61a1
Ndfip1
Lrrc25
Rgs10
1110008F13Rik
Gstm1
Unc119
Snx5
Atp6v0b
Psm7
Fkbp2
Ehd1
Nfic
Psm2
Rpl19
Hmgb2
Spi1
Nme2
Trib1
Cyfip1
Gusb
Apbb1ip
Sem1
Cox6c
Rpl18a
Nr4a2
Sat1
Id2
Cox6a2
Ccr9
Klk1
Dntt
Gm21762
Atp2a1

Klk1b27
Grm8
Obscn
Sh3bgr
Lrp8
Smim5
Pacsin1
Atp1b1
Siglech
Cd300c
Klra17
Runx2
Rpgrip1
Mctp2
Lefty1
Traf4
Slpi
Upb1
Cyb561a3
Nek6
Sla2
Lag3
Lair1
Rnase6
Cd7
N4bp3
Slc41a2
Slc44a2
Sell
Tbc1d8
P2ry14
Csf2rb2
Ctsl
Bst2
Emid1
Nucb2
Srgap3
Irf8
Dnajc7
Rell1
Gapt
Tmem229b
Ly6c2

Sirt3
Tsc22d1
Iglc3
Plac8
Mpeg1
Ppfia4
Arid3a
Snx18
Klrd1
Tifa
Slc15a4
Tcf4
Tspan13
Edem2
R3hdm4
Cd300lf
Khk
Ptprs
Ncf1
Ldhb
Npc1
Dap
Flt3
Arhgap24
Spib
Kmo
Scap
Adpgk
St8sia4
AU040320
Syne2
Clec9a
Ccl4
Sec24d
Rps6ka1
Hpse
Mvb12a
Pafah1b3
Jaml
Pycr2
Fes
Sema4b
Scimp

Fyn
Selplg
Gsn
Pgls
Grn
Tmem106c
1700017B05Rik
Bcl11a
Pmepa1
Tyrobp
Rabgap1l
Hmgn3
Uso1
Stambpl1
Cdip1
Gpr171
Pld4
Ap1ar
Rufy1
Dpf2
Gng10
Rpl31
Xbp1
Blnk
Fcrla
Tmed3
Cmah
Gnas
Rnaset2b
Plaur
Glrx3
Aaed1
Aff3
Hs3st1
Adssl1
Cd180
Cdkn2d
Slamf9
Zbtb38
Sec61b
Fgfr1op2
Cybb
Rnf187

Pkig
H13
Fam46c
Nceh1
Gltp
Zmiz2
Uvrag
Map3k1
Golgb1
Fam174a
Abhd17a
Ifnar2
Psap
Trim25
Cnp
Coro2a
Snx5
Il7r
Fth1
Syng2
Cib1
Abhd17b
Gtf2i
Fyb
Ech1
Pltp
Grasp
Spcs3
Rexo2
Man1a2
Hyou1
Trappc5
Smc6
Ctsh
Rac2
Nedd9
Pip5k1c
Plekhm3
Cd164
Uggt1
Apobec3
Gm5617
Parvg

Svbp
Tmem258
Ssr1
Sp140
Atp13a2
Slc38a1
Rilpl2
Tagln2
Dync1h1
Ubxn4
Cyth4
Tapbp
Eil2
Emc10
Ctsb
Stx7
Ramp1
Dock10
Serp1
Csf2rb
Tmem55b
Ubl7
Selenos
Cd47
Sik1
Txndc5
Rogdi
Junb
Fam3c
Dusp1
Slc35c2
Ptpn6
Ctso
Card11
Emc2
Irf7
Tomm20
Fam98c
Tagap
Apc
Bloc1s2
Ube2e1
Ppp1r14b

Mef2c
Sash3
Prkca
Ywhae
Lpgat1
Ak2
Smim14
Prkcd
Slc29a3
Ptms
Ndufs3
Ptprcap
Amfr
Sun2
Map7d1
Tns1
Snap29
Rap1a
Arf1
Ccnd1
Cnot8
Arhgap17
Arhgef6
Mydgf
Hsp90b1
Reep5
Gmps
Etv6
Sec11c
Zyx
Ddost
Phf11b
Il21r
Cmtm7
Crip1
Copg1
Vcp
Dctn3
Abcg1
Atraid
Fgr
Tmsb4x
D10Jhu81e

Ly6d
Ivns1abp
H2-Ab1
Lgals1
Herpud1
Runx3
Commd6
Pdia3
Ly6e
Mrpl43
Lrrc59
 11-Sep
Jund
Manf
Unc93b1
Itgal
Lyz2
Arl5c
Cops4
Gns
Rpl10-ps3
Itpr1
Dctn6
Hnrnpul1
Pik3ap1
Sec13
Pqbp1
Top1
Rbm47
1110008P14Rik
Mdp1
Rbm38
Dnajc1
Orai3
Eif5a
Tmed2
Ptpre
Psmb1
Chd9
mt-Co1
Pdia6
Ebp
Psmb8

Rnaset2a
Senp6
Ucp2
Ddx47
Tgfb1
BC031181
Eprs
Sin3b
Lsp1
Nek7
Hmgb1
Mtdh
Rbm42
Rrbp1
H2-Eb1
Creld2
Stt3a
Hmox2
Tmed9
Dnajb11
Ttc14
Hectd1
Tmem176b
Cct8
BC004004
Gdi2
Ly6a
Ndufs8
Med10
Gpcpd1
Srp19
Atp5c1
Rsrp1
Ufm1
Prkcb
Cytip
Xist
Mzb1
Fndc3a
Hnrnpa2b1
Gstp1
B4galnt1
Skap2

Usp4
Clic4
Vim
Ifitm3
Psme2
Lsm12
Laptm5
Mtpn
Cd83
Mbnl1
Dennd4a
Ndufa3
Mapre1
Tra2a
Foxo1
Nolc1
Rtf2
Ctcf
Otub1
Litaf
Gusb
Rgs10
Gadd45gip1
Alox5ap
Napa
Itpr2
Cope
Ccl6
Prr13
Tnfaip8
Pdia4
Pigt
Anapc5
Actr10
Stoml2
Ap3d1
Fam43a
Grina
Polr2m
Prdx5
Cd52
Egr1
Sec11a

Jun
Tmed10
Marcksl1
Bri3bp
Irf1
Spn
Ssr4
Dbnl
Ssr2
Mt1
Tmem219
Rab24
Washc2
Mrfap1
Dnajc3
Eif3f
Hspa5
Tkt
Dusp5
Jtb
C1qc
Tmem176a
Ccnd3
Hmgn2
Leprot
Ccni
Skil
P2ry10
C1qa
Psme1
Wfdc17
Smg1
Per1
Cyfip2
Naga
Hmgn1
Ripor2
Ppia
Atf3
Cct7
Srsf3
Cd44
Mybbp1a

Uchl3

Nptn

Hnrnpa3

P4hb

Rnh1

Stt3b

Saraf

Rab11b

Snapc5

9-Sep

Eif4g1

Ppp1r15a

Ndufb2

Ppp1r11

M6pr

Tram1

Eef2

Cox7c

Tmem30a

Mff

Pf4

Atp2b1

Pcif1

Ier2

Acaa1a

Ifngr1

Tpd52

Stk4

Fam107b

Npc2

H2-Aa

Nrd1

Ssna1

Spcs1

Krtcap2

Mrpl17

Apoe

Acadl

Ube3a

Ifitm2

Sod2

Gpi1

Atp5b

Ctsz
Tax1bp1
Cdk4
G3bp1
Sec61g
Cd81
Rhog
Bsc12
Psm2
S100a10
Arpc3
Slc25a4
Rb1cc1
H2-Aa
Ier3
Thrap3
Klf4
Cyc1
Ctsa
Stk17b
Rnf13
Tubb2a
Fcgr2b
Gm8797
Epn1
Rplp1
Nsmce4a
Csf1r
Tm9sf2
Glx5
Nfkbiz
AC149090.1
Mpc1
Ighm
Got1
Cct5
C1qb
Tecr
Grcc10
Papola
Snx9
Rnf149
Ptpn1

Sema4d
Ndufs2
Arpc1a
Sdc4
Klf6
Birc6
Ufc1
Arl6ip5
Mrc1
Mxd4
Selenop
Morf4l2
Psmb10
Oaz1
Smc1a
Sp110
Uqcrc2
Cd68
Tnrc6b
Smdt1
Dynll1
Cbfa2t3
Clec12a
Ablim1
Scand1
Eif3l
Cyfip1
Gatad2b
Atp6v1d
Lyn
Baz1b
Pim1
Lgals9
H2-Eb1
Shisa5
Atg3
Rbbp4
Lsm8
Rasa3
Luc7l2
Evi2a
Rbm17
Ccl2

Lgmn
F13a1
Lnpep
Limd2
Nono
Lrrfip1
Nfkb1a
Srsf7
Glg1
Taldo1
Aurkaip1
Lrp10
Trim28
Hnrnpk
Psm5
Prpf8
Rpl27a

cluster	reference_cell_type	reference_id
0	Macrophage	MF.11c-11b+.Lu
0	Macrophage	MF.AT.v2
0	Macrophage	MF.11cloSer.SI
0	Macrophage	MF.480hi.LV.Naive
0	Macrophage	MF.103-11b+.SI
1	B cell	B.Fo.Sp
1	B cell	B.T2.Sp
1	B cell	B.T3.Sp
1	B cell	B.Fo.MLN
1	B cell	CD19Control
2	DC	DC.11b-.AT.v2
2	DC	DC.103+11b-.Lu
2	DC	DC.8-.Th
2	DC	DC.103-11b+24+.Lu
2	DC	DC.8+.Th
3	Macrophage	MF.11c-11b+.Lu
3	Macrophage	MF.AT.v2
3	Macrophage	MF.F480hi.Gata6ko.PC
3	Macrophage	MF.Thio5.II-480hi.PC
3	Macrophage	MF.Thio5.II+480int.PC
4	T cell	CD8.96h.LN
4	T cell	T.8Nve.Sp.OT1
4	T cell	T.8Mem.Sp
4	T cell	CD8.CTR.LN
4	T cell	T.8Nve.LN
5	Monocyte	Mo.6+2-.BL
5	Monocyte	Mo.Lu
5	Monocyte	Mo.6+2+.BL
5	Monocyte	Mo.6C+II-.Bl
5	Monocyte	Mo.6C-IIint.Bl
6	B cell	B.MZ.Sp
6	B cell	B.T2.Sp
6	B cell	CD19Control
6	B cell	B.Fo.Sp
6	B cell	B.GC.Sp
7	NK cell	NK.49H+.Sp
7	NK cell	NK.CD127-.Sp
7	NK cell	NK.CD49b+.Lv
7	NK cell	NK.b2m-.Sp
7	NK cell	NK.MCMV7.Sp
8	DC	DC.11b+.AT.v2
8	Macrophage	MF.II+480lo.PC
8	Macrophage	MF.Thio5.II+480lo.PC
8	DC	DC.103-11b+24+.Lu
8	Macrophage	MF.Thio5.II+480int.PC

9 DC	DC.11b-.AT.v2
9 DC	DC.103+11b-.Lu
9 DC	DC.8+.Th
9 DC	DC.8-.Th
9 DC	DC.8+.Sp.ST
10 gd-T cell	Tgd.vg4+24alo.e17.Th
10 gd-T cell	Tgd.vg2+24alo.Th
10 NKT cell	NKT.4+.Lv
10 T cell	T.4Eff49d+11a+.Sp.d8.LCM
10 T cell	T.8Eff.Tbet-.Sp.OT1.d6LisO
11 Pre-T cell	T.DPbl.Th
11 Pre-B cell	proB.FrBC.FL
11 T cell	T.DP.69-.e17.Th.v2
11 Pre-B cell	preB.FrC.BM
11 Pre-T cell	T.ISP.Th
12 ILC-2	ILC2.SI
12 Treg	ABD.TR.14w.B6
12 NKT cell	NKT.4+.Lv
12 T cell	CD4.1h.LN
12 gd-T cell	Tgd.vg4+24alo.e17.Th
13 B cell	B.MZ.Sp
13 B cell	B.Fo.Sp
13 B cell	CD19Control
13 B cell	B.T2.Sp
13 B cell	B1a.PC
14 Pre-T cell	T.DP.Th
14 Pre-T cell	T.DPsm.Th
14 Pre-T cell	T.DPbl.Th
14 Pre-B cell	preB.FrD.BM
14 Pre-T cell	preT.DN3-4.Th
15 T cell	T.4Eff49d+11a+.Sp.d8.LCM
15 T cell	T.4Mem.Sp
15 Treg	LN.TR.14w.B6
15 T cell	T.4Mem49d+11a+.Sp.d30.I
15 T cell	T.4Mem44h62I.LN
16 DC	DC.IIhilang+103+11blo.SLN
16 DC	DC.IIhilang-103-11b+.SLN
16 DC	DC.IIhilang-103-11blo.SLN
16 DC	DC.IIhilang+103-11b+.SLN
16 DC	DC.8-4-11b-.MLN
17 DC	DC.8-.Th
17 DC	DC.11b-.AT.v2
17 DC	DC.103+11b-.Lu
17 DC	DC.103-11b+24+.Lu
17 DC	DC.8+.Th
18 Macrophage	MF.480hi.LV.Naive

18 Macrophage	MF.103-11b+.Salm3.SI
18 Macrophage	MF.103-11b+.SI
18 Macrophage	MF.11c-11b+.Lu
18 Macrophage	MF.11cloSer.Salm3.SI
19 Macrophage	MF.II-480hi.PC
19 Macrophage	MF.F480hi.ctrl.PC
19 Macrophage	MF.F480hi.Gata6ko.PC
19 Macrophage	MF.Thio5.II-480hi.PC
19 Macrophage	MF.II+480lo.PC
20 DC	DC.pDC.8-.Sp
20 DC	DC.pDC.8+.SLN
20 DC	DC.pDC.8+.Sp
20 DC	DC.pDC.8+.MLN
20 Stem-Progenitor	SC.CDP.BM

long_name	description	identity_score
Interstitial macrophages	Phenotype ma	814.509011
Adipose Tissue Macrophage	Phenotype ma	750.201821
Small Intestine Serosal Dendritic Cells	Phenotype ma	602.405945
F480hi Liver macrophage	Phenotype ma	554.188789
Small Intestine Lamina Propria Cd103- Cd11b+ Dendritic Cells	Phenotype ma	540.488131
Spleen Follicular B cells	Phenotype ma	344.355669
T2 (Transitional)	Phenotype ma	341.73764
T3 (Transitional)	Phenotype ma	335.231706
Mesenteric Node B Cells	Phenotype ma	333.254271
Splenic CD19+ B cells	Phenotype ma	328.008964
Adipose Tissue CD11b- Dendritic Cells	Phenotype ma	199.168104
Lung CD103+ Dendritic Cells	Phenotype ma	163.625909
Thymus Double Negative Dendritic Cell	Phenotype ma	158.601883
Lung Cd11b+24+ Dendritic Cells	Phenotype ma	158.255228
Thymus CD8 Dendritic Cell	Phenotype ma	156.563314
Interstitial macrophages	Phenotype ma	629.888259
Adipose Tissue Macrophage	Phenotype ma	604.154423
F4/80 high peritoneal macrophages from Gata6-/- mice	Phenotype ma	433.161191
Peritoneal MF Thio-Elicited Day 5	Phenotype ma	414.168615
Peritoneal MF Thio-Elicited Day 5	Phenotype ma	392.82001
Naive CD8+ T cells 96 hours after in vitro aCD3-aCD28 stimulation	Phenotype ma	354.299081
Spleen OT1 tg Naive CD8	Phenotype ma	352.40576
Spleen Memory-Phenotype CD8	Phenotype ma	350.210482
Naive CD8+ T cells unstimulated control	Phenotype ma	341.889987
Subcutaneous LN Naive CD8	Phenotype ma	340.782279
Blood Ly6C+MHCII+ monocytes	Phenotype ma	429.546694
Lung monocytes	Phenotype ma	416.970664
Blood Ly6C+MHCII+ monocytes	Phenotype ma	414.763266
Classical Monocytes, MHCII-	Phenotype ma	408.493934
Nonclassical Monocytes, MHCIIint	Phenotype ma	381.220682
MZ (Marginal Zone)	Phenotype ma	326.723623
T2 (Transitional)	Phenotype ma	323.807293
Splenic CD19+ B cells	Phenotype ma	322.841957
Spleen Follicular B cells	Phenotype ma	320.847058
Germinal Center B cells, Spleen	Phenotype ma	318.575713
Splenic NK Cells, Ly49H+ Subset	Phenotype ma	482.400476
Natural Killer Cells (spleen)	Phenotype ma	482.082787
Natural Killer Cells (liver)	Phenotype ma	476.939682
Splenic Natural Killer Cells	Phenotype ma	473.223161
Splenic Natural Killer Cells, Day 7 post-MCMV	Phenotype ma	468.833491
Adipose Tissue CD11b+ Dendritic Cells	Phenotype ma	284.636791
Peritoneal DC Steady State	Phenotype ma	263.026785
Peritoneal MF Thio-Elicited Day 5	Phenotype ma	247.021478
Lung Cd11b+24+ Dendritic Cells	Phenotype ma	216.616229
Peritoneal MF Thio-Elicited Day 5	Phenotype ma	197.676473

Adipose Tissue CD11b- Dendritic Cells	Phenotype ma	313.921485
Lung CD103+ Dendritic Cells	Phenotype ma	290.623894
Thymus CD8 Dendritic Cell	Phenotype ma	284.600607
Thymus Double Negative Dendritic Cell	Phenotype ma	273.171159
Spleen CD8+ Dendritic Cell	Phenotype ma	269.073256
Thymus B6 E17 TCRgammadelta	Phenotype ma	338.219472
Thymicvg2+, Mature	Phenotype ma	311.184715
Liver Invariant iNKT CD4+	Phenotype ma	299.721825
CD4+ effector T cells 8 days after LCMV infection	Phenotype ma	297.819427
Spleen OT1 tg TbetKO CD8 d6 Listeria.OVA	Phenotype ma	294.500842
Double-Positive, Blasts	Phenotype ma	278.489404
Fr. B/C (Pro-B)	Phenotype ma	265.89386
Thymus B6 E17 DP CD69-	Phenotype ma	263.485576
Fr. Cprime (Cycling Pre-B)	Phenotype ma	262.275406
Intermediate Single-Positive, CD3- CD8+	Phenotype ma	248.205384
Innate Lymphoid Cells - Type 2 (small intestine)	Phenotype ma	410.00357
Fat tissue T regs	Phenotype ma	290.735305
Liver Invariant iNKT CD4+	Phenotype ma	271.01483
Naive CD4+ T cells 1 hour after in vitro aCD3-aCD28 stimulation	Phenotype ma	268.375247
Thymus B6 E17 TCRgammadelta	Phenotype ma	259.172664
MZ (Marginal Zone)	Phenotype ma	291.758111
Spleen Follicular B cells	Phenotype ma	285.412522
Splenic CD19+ B cells	Phenotype ma	283.976787
T2 (Transitional)	Phenotype ma	282.324493
B-1a, Peritoneal Cavity	Phenotype ma	278.651631
Double-Positive, All	Phenotype ma	204.247393
Double-Positive, Small Resting	Phenotype ma	189.168231
Double-Positive, Blasts	Phenotype ma	172.712502
small pre-B population, Fr. D	Phenotype ma	171.075305
DN3 to DN4 Transitional	Phenotype ma	165.62612
CD4+ effector T cells 8 days after LCMV infection	Phenotype ma	363.774048
Spleen Memory-Phenotype CD4	Phenotype ma	362.565161
Lymph node T regs	Phenotype ma	354.219603
CD4+ memory T cells 30 days after LCMV infection	Phenotype ma	350.795791
Subcutaneous LN Memory-Phenotype CD4	Phenotype ma	350.230311
Skin Draining LN MHCIIhi Langerin+ CD103+ CD11blo Dendritic Cel	Phenotype ma	684.219872
Skin Draining LN MHCIIhi Langerin- CD103- CD11b+ Dendritic Cell	Phenotype ma	656.546175
Skin Draining LN MHCIIhi Langerin- CD103- CD11b- Dendritic Cell	Phenotype ma	619.669387
Skin Draining LN MHCIIhi Langerin+ CD103- CD11b+ Dendritic Cell	Phenotype ma	596.401262
Mesenteric LN Triple Negative Dendritic Cell	Phenotype ma	596.257869
Thymus Double Negative Dendritic Cell	Phenotype ma	249.19769
Adipose Tissue CD11b- Dendritic Cells	Phenotype ma	246.789006
Lung CD103+ Dendritic Cells	Phenotype ma	242.592988
Lung Cd11b+24+ Dendritic Cells	Phenotype ma	241.895598
Thymus CD8 Dendritic Cell	Phenotype ma	228.471866
F480hi Liver macrophage	Phenotype ma	536.625045

Small Intestine Cd103-Cd11b+ Dendritic Cells Isolated From Mice I	Phenotype ma	533.697473
Small Intestine Lamina Propria Cd103- Cd11b+ Dendritic Cells	Phenotype ma	533.474308
Interstitial macrophages	Phenotype ma	530.616236
Small Intestine Serosal Dendritic Cells Isolated From Mice Infected	Phenotype ma	496.913578
Peritoneal MF Steady State	Phenotype ma	876.33232
F4/80 high peritoneal macrophages from WT mice (control)	Phenotype ma	818.28021
F4/80 high peritoneal macrophages from Gata6 ^{-/-} mice	Phenotype ma	761.134768
Peritoneal MF Thio-Elicited Day 5	Phenotype ma	736.955812
Peritoneal DC Steady State	Phenotype ma	433.763833
Spleen CD8- Plasmacytoid Dendritic Cell	Phenotype ma	675.739821
Skin Draining LN Cd8+ Plasmacytoid Dendritic Cell	Phenotype ma	672.566681
Spleen CD8+ Plasmacytoid Dendritic Cell	Phenotype ma	672.22247
Mesenteric LN Cd8+ Plasmacytoid Dendritic Cell	Phenotype ma	660.713324
Common DC Precursors (CDP)	Phenotype ma	275.972331

index	z_score	percent_pos_correlation
1	3.92081489	85.0980392
2	3.61125835	84.5098039
3	2.89981101	84.3137255
4	2.66770732	81.1764706
5	2.60175625	80.7843137
6	1.73715741	78.3861672
7	1.72395035	74.9279539
8	1.69113012	77.5216138
9	1.68115463	80.9798271
10	1.65469384	78.6743516
11	4.11905805	80.5970149
12	3.38399876	79.4776119
13	3.28009531	76.4925373
14	3.27292603	77.6119403
15	3.23793502	76.119403
16	4.18979434	80.9411765
17	4.01862195	78.8235294
18	2.88123533	69.8823529
19	2.75490342	71.2941177
20	2.61290003	67.5294118
21	1.31776715	83.6898396
22	1.3107252	87.7005348
23	1.30256017	88.2352941
24	1.27161322	83.1550802
25	1.26749325	88.5026738
26	3.48890442	87.4686717
27	3.38675822	84.4611529
28	3.36882908	85.4636592
29	3.31790772	85.9649123
30	3.09638635	84.4611529
31	2.03224506	86.0526316
32	2.01410527	71.5789474
33	2.00810081	78.4210526
34	1.99569239	77.8947368
35	1.98156445	81.0526316
36	1.74771221	84.4736842
37	1.74656123	82.1052632
38	1.72792803	82.3684211
39	1.71446326	76.5789474
40	1.69855971	81.3157895
41	3.77326234	83.7545126
42	3.48679121	83.032491
43	3.27461828	80.5054152
44	2.8715538	74.3682311
45	2.62048061	78.3393502

46	5.05820561	81.626506
47	4.68281237	80.7228916
48	4.58575935	81.0240964
49	4.40159707	81.0240964
50	4.33556771	81.9277108
51	1.41630962	77.1084337
52	1.30310033	79.8192771
53	1.25509895	73.7951807
54	1.24713257	73.1927711
55	1.23323584	72.2891566
56	2.70268343	78.0564263
57	2.58044621	85.5799373
58	2.5570743	78.6833856
59	2.54532985	82.1316614
60	2.40878313	82.4451411
61	1.94393996	82.1882952
62	1.37845623	67.1755725
63	1.28495603	68.4478372
64	1.27244103	73.0279898
65	1.22880905	69.2111959
66	1.93969562	82.8402367
67	1.89750824	76.6272189
68	1.88796304	76.6272189
69	1.87697809	71.0059172
70	1.85255981	78.6982249
71	1.54388514	68.707483
72	1.42990329	66.6666667
73	1.30551612	65.0793651
74	1.29314072	62.8117914
75	1.25195089	58.276644
76	1.53318915	79.8270893
77	1.52809408	87.8962536
78	1.49292027	86.167147
79	1.47849002	77.8097983
80	1.47610671	85.3025937
81	5.2752908	90.5405405
82	5.06192839	88.2882883
83	4.77761075	87.6126126
84	4.59821501	85.1351351
85	4.59710947	89.6396396
86	3.47777978	83.423913
87	3.44416441	79.076087
88	3.38560518	80.7065217
89	3.37587247	79.3478261
90	3.18853211	82.6086957
91	2.84055713	84.952381

92	2.8250604	85.9047619
93	2.8238791	85.9047619
94	2.80875026	82.2857143
95	2.63034948	86.6666667
96	5.06102077	93.7694704
97	4.72575648	88.7850467
98	4.3957284	88.7850467
99	4.25608937	89.4080997
100	2.50508593	86.2928349
101	5.74920384	88.4135472
102	5.72220672	85.2049911
103	5.71927817	88.2352941
104	5.62135819	83.9572193
105	2.34797645	76.114082