

Tab. S10:

**Transcripts induced in murine macrophage cells stimulated on dentin (n=6),
fold of cementum**

gene name	regulation of expression	adj.P.Val
Slc9b2	169,4716332	1,00E-07
Olr1	27,57903362	3,95E-05
Slc1a4	26,6285137	0,00031856
Wisp1	18,18655021	0,0022078
Acod1	18,12865516	6,46E-06
Col27a1	17,55974513	8,58E-05
Ablim1	16,96277148	0,00016309
Met	16,15714065	0,00015687
Rab15	15,55277381	0,00018844
Accsl	14,98347136	0,00012484
Scn11a	12,71535644	0,00028595
Ctsk	11,32469272	3,73E-12
Pla2g2d	11,27065925	0,00027516
Slc9b1	10,75622549	0,0042731
Slc30a2	10,38262978	0,031242
Gm29243	10,28236339	0,0073037
Acp5	10,25460488	3,73E-12
Oas1d	9,904608838	0,0080293
Rorc	9,64913756	0,0098535
Gm43154	9,408730002	0,01249
Adh7	9,134970057	0,011657
Rab11fip4	8,477271543	0,020443
Gm19026	8,401809063	0,0092751
Chac1	8,329327391	0,0071948
Ceacam10	8,231184186	0,012947
Lctl	7,986149061	0,006201
RP23-268C22.3	7,656579359	0,020754
Gm16712	7,15623121	0,01414
Gm24336	7,047443468	0,05433
Slc39a4	7,023547984	0,0075393
Arl14epl	7,003616074	0,042179
4930461G14Rik	6,978901646	0,02307
Gm20219	6,959096437	0,0075112
Ociad2	6,881389951	0,15467
Prss35	6,850455885	0,0080293
Adamts7	6,801250362	0,00018844
Slc6a4	6,757548682	0,002078
Zbtb45	6,323397882	0,0092751
Robo3	6,278413288	0,00040616
Gm22767	6,165423517	0,058633
Tmem204	6,082228427	0,000168
Lpar1	6,050691377	0,028491
Rgs20	6,039796745	0,012682
Skor1	6,033102109	0,060953
Calml4	6,029339638	0,00012047
Klhl40	6,021821734	0,17541
Pgap3	5,977739383	0,024612
Pxdn	5,912220186	0,0012399

Rgs8	5,85147364	0,061832
Plat	5,394540208	0,08331
Celf3	5,297457102	0,084259
Pla1a	5,294887384	0,067279
Ccdc33	5,273643325	0,12886
Dixdc1	5,265607549	0,0043877
Gm44775	5,239757339	0,069463
Mras	5,169769651	0,0069374
Nlrc4	5,03119114	0,1344
Gm10463	5,02387302	0,12703
AW047730	5,019000188	0,10531
Plekhs1	5,008574314	0,094277
Chd5	4,990208171	0,09538
Vegfc	4,951617931	0,031907
Gm5532	4,90583938	0,043232
Pars2	4,887172407	0,12886
Arhgap4	4,842996633	0,11683
Rhou	4,819555182	0,12843
Sbk3	4,762767092	0,13396
Ccl5	4,753861921	0,088178
Lin28b	4,729540418	0,48112
Galnt15	4,712524112	0,099541
Clec2l	4,707300652	0,15179
Gja1	4,680296732	0,024771
Ip6k3	4,655706138	0,00013591
Tiam2	4,629319064	0,10156
Poln	4,622905911	0,20916
Hsd17b14	4,622265085	0,22603
Ubox5	4,597979392	0,13125
Lgi4	4,590018601	0,41531
Prokr1	4,581436426	0,1369
Lta	4,56811826	0,15021
Platr3	4,554523104	0,15482
RP23-278O17.1	4,553260497	0,24911
Prss42	4,528081735	0,11325
Zfp119b	4,524630561	0,10685
Smco3	4,4401241	0,44912
9330102E08Rik	4,411899721	0,33214
Pzca	4,382639461	0,14562
Sorl1	4,362938084	0,38592
B230377A18Rik	4,360821687	0,24556
Shisa3	4,335805379	0,21878
Oscar	4,306751254	0,11184
Gm15530	4,27789182	0,16583
Gm26569	4,253056439	0,47239
Rap1gap	4,223678432	0,019434
Ddr2	4,222214871	0,073948
Ssc5d	4,199739955	0,52766
Faah	4,17564771	0,32815
Celf6	4,174200791	0,10156
Park2	4,136469659	0,42618
Prss46	4,090564643	0,14859

Nr0b2	4,065125803	0,25941
Amigo3	4,0552757	0,1502
Cyp26b1	4,042926568	0,31228
Dusp9	4,009993783	0,078343
Tspan10	4,003051011	0,0011609
Nek3	3,993628126	0,33516
Ppm1e	3,975675481	0,22307
Oscp1	3,965217492	0,42618
Zfp459	3,919310847	0,14038
Cox6a2	3,911982726	0,028896
4930556M19Rik	3,88307615	0,44424
Gm5544	3,875278515	0,52887
Mkx	3,854116016	0,19797
Prkar1b	3,84131427	0,012214
Ctla2b	3,829882152	0,13964
Celsr1	3,811872858	0,23331
Gm13657	3,783968293	0,28529
Mkl	3,77532279	0,18461
Myh11	3,76069681	0,5821
Jdp2	3,753925451	2,32E-05
8430408G22Rik	3,737050346	0,37921
Bdh2	3,703527372	1,42E-06
Nod1	3,69916589	0,0069864
Epb41l1	3,677435404	0,020443
Gm22748	3,676415944	0,01882
Arg1	3,66318865	0,42305
Acta2	3,658874673	0,50136
Gm13205	3,648491266	0,22239
Spata2l	3,636372518	0,52228
Gm20554	3,634860508	0,41205
Gm10069	3,628818751	0,41292
9130023H24Rik	3,597513249	0,24839
Kyat3	3,593276615	0,53025
Ehd2	3,561290195	0,077665
Serinc5	3,543315672	0,078343
Gstm4	3,541105926	0,13528
Acot11	3,538897558	0,48797
Arsg	3,52909924	0,2328
Pdpn	3,526165038	0,0089541
Glrp1	3,513965434	0,19933
Csf2rb2	3,513721873	0,063747
RP24-91J7.1	3,500351979	0,47744
Acsbg1	3,46486706	0,019549
Gm22	3,461026529	0,063501
Zfp78	3,460786637	0,50305
Nedd9	3,446184639	0,23171
Foxd2	3,44308071	0,39534
Arhgef19	3,440218027	0,38592
H2-Ab1	3,410066799	0,54463
Fabp7	3,40392677	0,43798
Amigo1	3,402747263	0,32186
Zfp811	3,390739616	0,49297

Srd5a1	3,367784908	0,50309
Gm6088	3,343362996	0,82762
Gm28071	3,34174118	0,54403
Cd93	3,337111753	0,38638
Tbc1d2b	3,318198056	8,65E-08
Gm15496	3,316588446	0,11584
Slc2a4	3,310157814	0,19615
Timp2	3,309010799	3,16E-05
Gm42970	3,298934194	0,72711
Igf2bp1	3,296419841	0,57572
RP23-138K22.2	3,295277587	0,64151
Abhd3	3,29025637	0,63985
Gdf9	3,277509586	0,64406
Gm12663	3,275465607	0,52228
Stra8	3,270474578	0,54909
Gm29462	3,253516793	0,63079
D7Bwg0826e	3,251037055	0,50487
Fosl2	3,240238483	6,02E-07
Pitpnm2	3,237544449	0,015623
Zfp54	3,231715057	0,40423
Gm5131	3,230371304	0,59311
Inca1	3,230147399	0,63668
Gm8463	3,223437475	0,20791
Me1	3,220534172	1,40E-06
Gm43379	3,213844218	0,52313
Tmem151a	3,201393462	0,61483
Zfp882	3,192308327	0,61605
Src	3,176856667	0,0012588
Adora2a	3,171796034	0,51313
Irx5	3,167402038	0,644
Vil1	3,156881266	0,44911
Nt5e	3,152289423	0,0075666
Bok	3,115362406	0,020792
Gm13675	3,114498764	0,45999
Mzb1	3,110615336	0,16888
4933412L11Rik	3,108890923	0,75296
Gm33370	3,098994082	0,64261
Cxhc5	3,098779284	0,53025
Cish	3,086774302	0,76978
Tac4	3,074815828	0,86708
Il34	3,067365319	0,06182
3830408C21Rik	3,066514983	0,69114
Lamc2	3,056329315	0,6938
Tigd5	3,052306841	0,33814
Aldh7a1	3,040692655	0,3705
Myo1d	3,038585738	2,66E-06
Rab42	3,038585738	0,64653
Atp6v0d2	3,037322288	1,88E-06
Adcy2	3,035638506	0,058282
Sgsh	3,034165962	0,0018871
Lif	3,031433133	0,63713
Wnk2	3,028912706	0,004298

Frk	3,022411299	0,50003
Eva1b	3,001950108	0,10072
Rsph1	2,991978898	0,33803
2700046G09Rik	2,974608908	0,48472
Gabrd	2,974196568	0,42618
Apbb1	2,972341746	0,36744
Gm16372	2,971105841	0,83534
Ppp1r26	2,96493402	0,36322
Islr2	2,961852918	0,76396
Lrtm2	2,954471332	0,76899
Soat2	2,942209546	0,79578
B3galt4	2,929389437	0,65409
Gcat	2,928374364	0,043164
Slc24a5	2,925939624	0,83566
Slc4a8	2,92573682	0,55166
Hebp2	2,922493873	0,028281
Gm12799	2,91662519	0,59539
Ap5b1	2,915210378	0,06967
Ccdc80	2,914806272	0,5821
Vps25	2,914806272	0,73623
Rrh	2,913998228	0,81281
Gm45456	2,9087514	0,69114
Matk	2,907340407	0,72091
Ccdc17	2,906735906	0,77603
Fendrr	2,901301044	0,54605
Saa3	2,895675625	0,50487
4831440E17Rik	2,884457487	0,72103
Gm17455	2,883657856	0,50713
Tmem2	2,879463431	0,00043821
Angptl2	2,879263849	0,00011763
Irf4	2,875474413	0,85849
Ccr1	2,874876537	0,7178
Zfp85	2,872685388	0,78947
Rhobtb1	2,870296949	0,31228
Slc47a2	2,86890461	0,76289
C8g	2,862349818	0,61164
Nudt22	2,859771742	0,0012223
Zfp462	2,854820426	0,051327
Mrap	2,854029011	0,74634
Gm11410	2,853237816	0,63985
Shox2	2,842184086	0,10597
Ksr1	2,841199231	0,54403
F630040K05Rik	2,837066564	0,19933
Gm20632	2,830976945	0,077299
Kif5c	2,827447036	0,88516
Olfml3	2,822551687	0,48797
Pmepa1	2,820009456	0,00022712
Sh2d2a	2,819618546	0,27965
Ptpn14	2,819423112	0,098829
9930014A18Rik	2,814151503	0,18273
Six5	2,813566378	0,57886
Klhl23	2,8127864	0,78947

Nfatc4	2,807916433	0,76023
Arhgef15	2,807138021	1
Ifi203-ps	2,802860612	0,83449
Ntn5	2,798977714	0,38302
Zfp93	2,795681481	0,72711
St18	2,795100195	0,0018142
Ddr1	2,794906461	0,83566
Gpr85	2,782342455	0,76289
Acsf3	2,769450975	0,54481
Tsga10ip	2,767340179	0,97151
Rhbdd2	2,766764786	0,11776
Aldh1l2	2,766189514	0,038334
Gm42972	2,765614361	0,95843
Rbks	2,760060709	0,88513
Ms4a6b	2,755855034	0,92562
Gm42850	2,753182033	0,86757
Tns2	2,752228018	0,57587
Arhgap27os1	2,7463205	1
Tas1r1	2,745559164	0,73623
Ptges	2,742515929	0,072485
Prss44	2,742135762	0,83223
Myh7b	2,740045785	0,76899
Gm13889	2,738336988	0,11705
Tfr2	2,736439575	0,68938
Bcl2a1d	2,735301759	0,83534
Oas2	2,732459287	0,74314
Atg4a-ps	2,727917474	0,69476
Gm45629	2,721684805	0,92368
Gm43364	2,720930299	0,92981
9530053A07Rik	2,719233423	0,56894
Gm44434	2,718856484	0,84398
Gm17060	2,716784249	0,69476
Gm44187	2,71508996	0,7894
Camk2a	2,713208655	0,0089194
Notch4	2,71095281	0,7424
Cmk1r1	2,706634348	0,75027
Mfsd13b	2,702510082	1
Nfatc1	2,691293998	0,00011483
Gm14248	2,684586703	1
Pqlc2	2,679567205	0,79232
Cdhr4	2,67733933	0,7178
Zgpat	2,666597354	0,19227
Gm44237	2,662903226	0,6143
9130230N09Rik	2,662534095	0,71501
Rnf135	2,660873638	0,50876
Mybpc3	2,6590299	0,08579
Gm24507	2,658292763	1
Grap	2,65755583	0,013089
Gm45640	2,641211806	0,64976
Ncmap	2,635725267	0,71757
2610044O15Rik8	2,632803775	0,88513
Usp27x	2,632438816	0,54896

Gm14137	2,63152664	0,81281
Pced1b	2,625332222	0,77607
Creb3l3	2,623331269	0,90096
Med12	2,61969708	0,79006
F830208F22Rik	2,61969708	1
Lgals9	2,618063337	0,67592
Gm43006	2,615342697	0,77437
Pygm	2,612624884	0,88883
Acad12	2,60611365	0,47814
Chrna1os	2,595837368	0,71757
Gm11298	2,593319574	0,95649
Gsn	2,593139825	7,13E-05
Ms4a6c	2,592960088	0,42988
Ahrr	2,58434737	0,60134
Mfap1a	2,582556657	0,76289
Rcan1	2,581482826	0,00026835
Alg2	2,58040944	0,45547
A930024E05Rik	2,578621457	0,52313
mt-Nd4	2,575049205	0,012145
Lpin3	2,574156915	0,011447
Gpt2	2,567919541	0,0022078
D3Erttd751e	2,559744828	0,44267
Cpt1c	2,554073424	0,12807
Gm4034	2,550181625	0,69476
Stx1a	2,540830261	0,90096
Hrc	2,539773779	0,74314
Acy1	2,533970976	0,1702
Arl11	2,533444106	0,27201
Klhl41	2,527655765	0,43983
BC024978	2,527480567	0,46834
Ptafr	2,52223028	0,42791
mt-Cytb	2,514201014	0,0034572
Mmp2	2,514026749	0,88182
Gm44291	2,508630518	1
Gm5778	2,505502539	1
Dcp1b	2,502205015	0,68571
Ccdc69	2,498911831	0,97367
Msantd3	2,498565433	0,008397
Cracr2a	2,492511222	0,77136
Gm7909	2,490784143	0,84398
Hoxaas3	2,487850856	0,50145
Vwa7	2,486127007	0,45572
Pxylp1	2,483887788	1
Kcne3	2,479587266	1
9030407P20Rik	2,477010527	0,59453
Zfp473	2,475294189	0,72907
Tssk6	2,473236153	1
Rpl7l1-ps1	2,472550522	0,60134
Txlnb	2,470837274	0,90414
Col15a1	2,468954073	0,72711
Cldn15	2,468782944	1
1810024B03Rik	2,468098547	0,73409

Etohd2	2,467585374	0,93298
Il18rap	2,462971613	0,79285
Mtus1	2,462800898	0,87684
A930018M24Rik	2,461094406	1
Atp8b3	2,459389097	0,90828
Tnnc2	2,459048177	1
Ccdc92b	2,457684969	1
C430042M11Rik	2,456322517	0,50779
Fam65c	2,450710381	0,018938
Gm8550	2,450200823	0,98277
Tmem71	2,449012266	1
Extl1	2,448503062	0,37518
Prkca	2,444772126	0,053553
2810428J06Rik	2,44392498	0,72711
Runx2os1	2,442908791	0,66931
Catip	2,437327303	0,48921
Prss50	2,436482736	0,10164
Zfp658	2,433107394	0,54316
St5	2,432601496	1
Gper1	2,42990515	0,6143
Ccnd2	2,421162649	0,00029291
Bdh1	2,418478982	0,35079
Tns4	2,417976126	0,19933
Osbp2	2,415630845	1
6430571L13Rik	2,406105664	1
Tsku	2,402605863	1
Usp18	2,400109122	0,32186
Gm8181	2,394127524	1
Traf3ip3	2,388988651	0,51643
mt-Nd2	2,388657489	0,0054589
Acy3	2,387995305	0,88231
Zfp229	2,387002372	0,94659
Tnfrsf18	2,385679104	0,72711
Gm4924	2,381878792	0,32927
Gm23054	2,379238668	1
RP24-499N24.6	2,371828999	0,36489
Gm15853	2,36805075	1
Trim14	2,36427852	1
Als2cr12	2,363950784	1
RP23-476G10.1	2,361330532	1
4930556M19Rik	2,360348687	1
Zfp975	2,358713185	1
Stab1	2,358059301	0,2487
Caskin2	2,357895858	0,7899
Gm26800	2,356752078	0,13589
Fhit	2,356098738	1
Zfp40	2,354955829	0,55543
2310043L19Rik	2,353487189	1
Gm12059	2,352345547	0,60134
Rpgr	2,348761133	0,51643
Gm13998	2,345669898	0,78867
Dennd5b	2,345344742	0,88394

Erb3	2,344532048	0,42618
Kctd12	2,344369543	0,47744
Eng	2,342745113	0,069463
2210406H18Rik	2,34095954	1
Gm7292	2,340797283	1
A330074K22Rik	2,335610982	1
Setmar	2,335125356	0,84398
2010008C14Rik	2,333507331	0,71173
Klf1	2,333022143	1
1700086P04Rik	2,330597712	0,91629
A230028O05Rik	2,327369056	1
Cacnb1	2,325595202	1
Bcl3	2,321407829	0,03885
Asap3	2,318513296	1
Ttc7	2,317870556	0,018938
Cpne2	2,317067383	0,011075
Il20rb	2,316746191	0,16382
Gm13398	2,315461871	1
Tmem37	2,315301381	0,43511
Gm23442	2,313536724	1
RP24-175C20.18	2,312735053	0,53226
Aars	2,311452955	0,05433
Pld2	2,310812173	0,59361
Gm9951	2,303934976	0,76289
Zfp14	2,302817371	1
Wdyhv1	2,302657757	0,30477
Hal	2,302498155	0,94659
Serpinc1	2,301859855	0,74146
Gm7815	2,297555959	1
Ttc39a	2,297078245	0,9524
Hfe	2,296441448	0,42988
RP23-228B2.5	2,292306568	1
Fuz	2,290400674	0,68046
Gm43350	2,289924448	0,65258
Nprl3	2,287544803	0,22104
Ccdc63	2,284217455	1
Gm4742	2,28405913	1
Tcea3	2,280894946	1
Klhl30	2,279156513	0,40848
Gm10180	2,278366754	1
4930550C14Rik	2,277419405	0,95064
Csrnp2	2,27710371	1
Gm43924	2,274579721	0,84398
Gm17100	2,273791548	1
Fancc	2,272373526	0,49472
Gm12791	2,272373526	0,89056
Elk3	2,270798982	0,033583
Fam102a	2,266396062	0,00012913
Zfp59	2,259807683	1
Egr1	2,258711484	0,29196
Plcd1	2,256677095	1
Il4ra	2,249025471	0,15014

Myom1	2,248090322	0,26621
Cyp2u1	2,247934501	0,2487
Glb1	2,247467105	0,00050269
Fblim1	2,247155562	0,014798
CH25-309J2.1	2,24622119	1
Gm11764	2,244664768	1
Zfp661	2,243109424	0,57755
Il1rap	2,24139979	0,56
Gm25514	2,241244434	0,51039
D5Ert605e	2,238605018	1
C030013C21Rik	2,237519104	0,59311
Fam213b	2,236123702	0,8465
mt-Tt	2,233490317	0,59311
Prob1	2,232716382	1
Tm4sf19	2,232406884	1
Fam71e1	2,230705407	1
Gm20712	2,227460734	0,50794
C430049E01Rik	2,224374957	0,98791
Wdr35	2,22206343	0,5301
Gm10676	2,221293455	1
Slc16a7	2,22098554	0,30189
Hoga1	2,220831598	0,98263
Maged2	2,217601287	0,71757
Tagap	2,213608364	0,1696
Tmco4	2,210541777	0,86471
Fam83h	2,209316332	0,96343
Asns	2,20686748	0,12631
Maml2	2,204574147	0,42381
Loxl3	2,204268549	0,53025
Ica1	2,202588519	0,096692
Zfp790	2,201214901	0,83205
Mllt1	2,200299632	0,49447
Ubtd2	2,200147124	1
Slc46a3	2,198775029	0,931
Gm5113	2,198622626	0,90658
Cyfp2	2,198317854	0,0062185
Zfp27	2,197708435	0,6576
Gm15787	2,19177545	1
Ifi44	2,190256753	1
Abi3	2,188435706	0,58224
Nlrc3	2,184192483	0,47239
Jrk	2,18358698	1
Tlr7	2,183435631	0,021106
Fcnaos	2,180410843	1
Mdrl	2,177692118	1
Sec16b	2,176334026	0,023276
1700034H15Rik	2,175579897	0,87464
Ddn	2,174675287	1
Bcl2a1b	2,174524555	0,30477
Sec24d	2,171963713	0,096782
Csf2rb	2,170609194	0,053553
Kdelr3	2,166100228	1

Ttc38	2,165499741	0,82747
Cep41	2,16519956	0,7965
Fbxo10	2,162949527	1
Iqce	2,156661866	0,52766
Gramd1c	2,151883538	0,94659
Gm4459	2,149349359	1
Zfp820	2,148902461	1
Pla2g2e	2,145628046	0,57587
Polm	2,145181921	0,94108
Lhx1	2,145181921	0,99816
Cox5b	2,144735889	0,45999
0610010F05Rik	2,143101233	0,25848
Iqsec3	2,14295269	1
Dmrta2	2,141913175	1
Pter	2,141764714	0,33039
Proser3	2,14028067	1
Cc2d2a	2,140132323	1
Il16	2,13894591	0,29785
Aldh18a1	2,138204736	0,30393
Chchd10	2,137760156	1
Ypel1	2,135390618	1
Cenpt	2,133023707	0,84398
Fam161a	2,132136791	0,10135
Ccdc171	2,130216407	1
Card6	2,129035491	0,78819
Gnmt	2,129035491	1
Sla	2,128592817	0,038097
HpdI	2,128002728	1
Sp110	2,127265346	0,51632
Slc46a1	2,125938702	0,80563
Stk11ip	2,123435078	0,47758
Gm37108	2,122993568	1
Rps13-ps7	2,12152253	1
Nos1	2,121375483	1
Gm13226	2,120640397	1
Gm3608	2,119024106	1
Klk8	2,116381923	0,85726
Cox10	2,115355297	0,0050978
Zfp629	2,114915467	0,57458
2310061I04Rik	2,112132	0,012682
Gm16537	2,110229633	1
Inpp5b	2,109352196	0,25606
Pkn3	2,108913614	0,087531
Shtn1	2,104532808	0,0098535
BC017158	2,101180353	0,84398
N6amt1	2,097251677	0,24539
Gm37010	2,097251677	1
Neo1	2,09492704	0,05321
Gm5609	2,092459936	0,65409
Dntt	2,092024866	1
RP23-63H11.3	2,091589887	1
Gramd2	2,09014061	0,94921

Slc37a2	2,088837119	0,0054589
Slc10a3	2,088692337	0,43619
C3	2,088547565	1
Clgn	2,087245067	1
1600014C23Rik	2,086377187	1
Clec4n	2,085509668	1
Inhbe	2,084498017	1
Neur11a	2,083342447	1
Zfp712	2,082764902	1
Aldh5a1	2,08262054	0,2377
Pfkfb4	2,079447123	0,022326
Ercc6l2	2,079447123	0,44194
Unc13b	2,079014759	1
Slc16a12	2,078582485	0,73206
Gm13822	2,078438414	1
Zhx3	2,077286202	0,2428
Nudt7	2,076710336	0,45999
Gldc	2,074696061	1
Gm45250	2,072971095	1
Fam213a	2,071821914	0,13128
Sgsm1	2,071678312	0,0022956
Pdcd1	2,070673371	0,96201
Gm29593	2,068808345	1
C230037L18Rik	2,068378194	1
Stap2	2,066945	0,74314
Siglec1	2,066945	1
Cmc4	2,065083332	0,87135
1700123M08Rik	2,064081591	1
Nat14	2,063223342	1
Slc15a3	2,060650736	0,81393
Itgb3	2,060650736	0,94108
Tgm2	2,059508385	0,0062693
Orai3	2,058509348	0,14811
Mgam	2,057653416	1
Cd82	2,05679784	0,024771
Zfp566	2,056227653	1
Zc3h4	2,052952148	0,012682
Gm20156	2,051956291	1
Lipt2	2,047977691	1
Scarf1	2,046984247	0,4046
Gba2	2,046133107	0,91198
Mcm9	2,044998805	0,70553
Mir7078	2,044998805	1
Pcdhb22	2,044573603	1
Reps2	2,041741186	1
Zfp418	2,040892227	1
Tmem35b	2,03990222	0,76264
Oprl1	2,03990222	1
Gm12151	2,039478078	1
E230016M11Rik	2,038912693	1
Lppos	2,038771371	1
Slc9a3r1	2,037782393	0,88313

Iba57	2,037076274	0,65586
H6pd	2,035100442	0,18866
Ptpn1	2,034818336	0,006201
Plxdc1	2,034113244	0,071379
Filip1l	2,033408397	0,44335
Zfp738	2,033267456	0,86757
Rnaset2a	2,032562902	0,83223
Nt5c3b	2,031576935	0,72864
Gm13341	2,031295318	1
Gm13270	2,030732202	1
Plbd2	2,030450702	0,0036706
Tmem62	2,02988782	1
Gpatch3	2,029747123	0,5301
Trak2	2,02946576	0,064699
Gm9776	2,025109615	0,76899
Gm13868	2,022584532	1
Zscan29	2,018103268	0,65668
RP23-151L20.5	2,016425355	1
Cpsf3	2,014190307	0,10685
Nme6	2,013771511	0,95327
Wdr46-ps	2,013771511	1
Sdr42e1	2,008474298	0,57736
Gpr68	2,007500017	0,21532
Pik3r2	2,007221738	0,12613
Nf2	2,003746499	0,041137
Gne	2,003329875	0,36423
Adap2	2,002496887	0,86757
Pus7l	2,001525505	0,86351
Trpm2	2,000970642	1
Slpi	1,998198629	0,093313
Tfrc	1,996260506	0,042303
Car13	1,99612214	0,72711
Ank	1,993909597	0,0065041
Nrp2	1,989629771	0,0020392
Sult2b1	1,986598049	1
Blnk	1,984946331	0,14562
Dock5	1,984808749	0,22909
Particl	1,984120986	0,81393
Nmb	1,983433461	0,98739
Cep162	1,983295985	0,56206
Gm5251	1,982746175	1
Zfp763	1,982608746	0,78819
Gm37776	1,981921745	1
Txnrd3	1,981097659	0,72711
Tmem150a	1,980411182	1
Chtf18	1,979862171	1
Slc43a2	1,978353177	0,059707
Gatb	1,978353177	0,54403
Tmem140	1,977941833	0,5947
Ctnnal1	1,976023357	0,95327
Ivns1abp	1,973969912	0,0019319
Cd33	1,973833092	0,024864

Gdpgp1	1,970415661	1
Rai14	1,970142523	0,043232
Uaca	1,969596359	0,064983
Nt5dc2	1,968913867	0,54707
Xk	1,968913867	1
Mzf1	1,968504486	1
Plcb4	1,968368044	0,011828
Gm43742	1,967004148	0,52766
Ift122	1,965232496	0,61369
Gm20707	1,962509993	1
Gm9711	1,962509993	1
Sec16a	1,962373967	0,29196
Gm30329	1,959519595	1
Slc11a1	1,958976376	0,069463
Whrn	1,958976376	1
B130006D01Rik	1,958840595	0,94659
F9	1,95789039	1
RP23-225D5.4	1,956805006	1
Zfp786	1,956398142	1
Gspt2	1,95504254	1
C030014I23Rik	1,95422963	1
Wdr77	1,95192822	0,20885
Zfa-ps	1,950170146	1
Kifc2	1,946388903	1
Gm6162	1,944231485	1
Gm20257	1,94342307	1
Gm43547	1,941538075	1
Gm9575	1,94073078	1
Csf1r	1,939117197	0,015727
Arhgef3	1,938445266	0,3048
Mylpf	1,936967839	1
RP24-131G14.10	1,936296653	1
Gm11716	1,936028244	0,74781
Oip5	1,934820864	0,99501
Tst	1,933748269	1
Tnfsf13b	1,933614236	0,91918
Fabp3	1,93254231	0,47104
Naip2	1,930132648	0,21202
6720464F23Rik	1,929463831	1
F7	1,928394206	1
Trem14	1,924655184	1
Gm16638	1,924521782	1
RP24-84O13.9	1,922255357	1
Tmem116	1,921322899	0,62963
Decr2	1,921322899	0,84749
Tmem65	1,92052401	0,071379
Sh3rf1	1,920390894	0,44912
4930589O11Rik	1,919858522	1
mt-Nd1	1,918661226	0,11705
AA414768	1,917730511	1
Il13ra2	1,917597589	1
Gm23639	1,917331772	1

Panx1	1,916534542	0,55554
Cyb561d2	1,916003239	1
Gcdh	1,915073814	1
Pck2	1,914941076	0,48112
1700008J07Rik	1,914675627	1
Numb1	1,914144484	0,42988
Parn	1,9136142	0,21182
Slc43a3	1,912818515	0,42146
Gm42567	1,912685934	1
6720475M21Rik	1,912420797	1
Ctbp1	1,911228139	0,064699
Scap	1,910963205	0,24679
Timp1	1,910565873	1
Fmo5	1,910168623	1
Lmbr1	1,910036225	0,85714
Ticam1	1,909506724	0,275
Mst1	1,909374371	0,71079
Flot1	1,908712747	0,59453
Cass4	1,907919101	0,89517
Pcyt1a	1,907125785	0,0089541
Gm42918	1,906332798	1
Nkain1	1,906068543	1
Zfp365	1,904615792	0,931
HLcs	1,904615792	0,98277
Tubb4a	1,899869072	1
Slc25a15	1,898947474	0,88182
Oxt	1,898157888	1
Hexim2	1,897763218	1
Zfp11	1,89605393	1
9330162012Rik	1,895265548	1
Ankrd34a	1,895002826	1
Mdk	1,894214881	0,82514
3010003L21Rik	1,893952305	1
Cat	1,891853009	0,017149
Zfp467	1,89145965	0,50413
Armc5	1,89145965	0,70099
Ttll12	1,891066373	0,065366
Zfp862-ps	1,889887032	0,76899
Ccdc88c	1,889363117	1
Trpm1	1,888053964	1
Wbscr27	1,886222674	0,42033
Bbs9	1,885569072	0,72711
Zbtb38	1,885046354	0,098108
Plk3	1,884393159	0,42791
Def6	1,884001352	0,6628
Gm5871	1,883870767	1
Gm23300	1,883870767	1
Slc27a1	1,882956929	0,52766
Rps19-ps3	1,881130583	1
Oasl1	1,880218074	0,83925
Rnasel	1,879827134	0,72711
Upp2	1,878394384	0,84766

Arhgap35	1,877873654	0,90909
Hapln3	1,877353069	1
Tdrd3	1,87579218	0,92979
Gm10842	1,87579218	1
Slc40a1	1,875532158	0,81491
RP23-213P10.2	1,875012222	1
Lamb2	1,873972783	1
Ubxn8	1,873583142	0,7899
Zfp94	1,871376705	1
Uxt	1,871246996	1
Klhl35	1,869950396	1
Ltbp2	1,869691183	1
6330403L08Rik	1,86904331	1
Gm6344	1,866712824	1
Abcd1	1,865160782	0,78044
Tfcp2	1,864514478	0,7614
Gm45733	1,862060567	1
Car9	1,861544366	0,42381
Sh2d6	1,861157309	1
RP24-365A12.2	1,860899315	1
Kif5a	1,85922323	0,72711
Ccdc120	1,858836656	1
Poglut1	1,858192544	0,087559
Nucb2	1,858063748	0,095677
Lars	1,857806184	0,0437
Gm19705	1,856261547	0,98277
Meiob	1,855746953	1
Usp11	1,85497533	1
Sdsl	1,853561521	0,95327
Sec14l2	1,851635336	0,95327
Gstt1	1,851635336	1
Elp4	1,847148685	1
Rasal2	1,846892634	0,11313
2610016A17Rik	1,846124693	1
Pspc1	1,84535707	0,6143
Gtpbp8	1,844973379	0,82126
Zfyve28	1,844589768	1
4930590J08Rik	1,844334071	1
Gns	1,84407841	0,066104
Slc39a13	1,843183874	0,15014
Tm4sf5	1,842545186	1
Washc5	1,841651394	0,77607
Gm42571	1,841396105	1
Tmem8	1,841140851	0,54482
Ints10	1,840630449	0,92368
Bcar1	1,838590256	0,84749
Srl	1,838590256	1
Cog7	1,838207972	0,42618
Zfp974	1,838080561	1
Gm12454	1,836170464	1
Pomt2	1,835915934	1
Rps6kb2	1,835279765	0,67592

Wdr5b	1,834898169	1
Elmod2	1,834516652	0,76289
A430033K04Rik	1,834389497	1
Rasa3	1,833626755	0,19929
Exoc3l4	1,832864329	0,77607
Fah	1,829944634	0,88313
Nsun4	1,829056955	0,68136
Creb3l2	1,82829643	0,38277
Ttc28	1,8276629	1
Fhod3	1,827536221	0,99635
Xrcc5	1,82740955	0,80606
Spsb1	1,826523101	0,88322
Zfp599	1,8263965	1
Hif1a	1,825637081	0,11726
Slc22a4	1,824372084	1
Atp6ap2	1,824245633	0,033614
Nptxr	1,824245633	0,52228
Zfp28	1,824245633	1
Gm43569	1,823613507	1
Tmcc2	1,823360718	0,72311
Eef2k	1,822476232	1
Ophn1	1,82184472	1
Thap7	1,821592176	0,45028
Aldh1b1	1,821339667	0,77136
Greb1	1,821213426	1
Usp20	1,820329982	0,15021
Iars	1,820203811	0,29196
Smap1	1,819446967	0,23074
Ivd	1,818438331	0,69546
Xrcc3	1,818060236	1
AW046200	1,815919186	1
Micall1	1,815415776	0,28219
Pafah2	1,813654941	1
Gm13223	1,813152158	1
Fam129c	1,813026485	1
Gm26532	1,812523877	0,98277
Gm9726	1,812272625	1
Khyn	1,812021408	1
Gpr183	1,811393518	0,40848
Msi1	1,811267966	0,84398
Tctex1d4	1,810640337	1
Wbp1l	1,810138391	0,19929
Ppfibp1	1,808382673	0,08331
Vamp7-ps	1,807380171	1
Cnksr1	1,807129632	1
Gm44075	1,80575229	1
Gm6377	1,804626154	1
Mrm2	1,804000827	0,8294
Pde4dip	1,803750757	0,59642
Acap1	1,803750757	1
Abhd1	1,80325072	1
Rpsa-ps4	1,801751442	1

Nsdhl	1,80000386	0,42791
Lrpprc	1,799879097	0,63975
Mtcl1	1,799629598	1
Gm5117	1,799255415	1
Slc39a8	1,799255415	1
Nfkb2	1,798756624	1
Tmem220	1,797385664	0,67592
Dnajb12	1,795891262	0,52887
1300002E11Rik	1,795642316	1
Myo6	1,794522485	0,65088
Acvr1	1,793776319	0,54605
Eef1akmt1	1,792409154	1
Gm12966	1,792284918	1
1700112E06Rik	1,791167182	0,92481
Scamp1	1,790670633	0,2677
Hmcn2	1,790174223	1
Fbxl8	1,790050142	0,86757
Zpr1	1,786950907	0,11595
Hsh2d	1,786455528	1
Fam151b	1,785465181	1
Mthfr	1,783733396	0,71135
Zfp579	1,783238908	1
Btbd19	1,782497434	0,51608
Arhgap1	1,782250345	0,77136
Cd109	1,782126813	0,10943
Dnajc30	1,780645098	1
Polr3e	1,780521677	0,64068
Cntln	1,780398265	1
Agap1	1,779904702	0,50794
Eno3	1,77953462	0,54482
Amacr	1,77953462	1
Bcl7c	1,779287941	1
Trim2	1,77805506	0,95843
Plekhh1	1,777931819	1
Gm26225	1,775838026	1
Dcaf11	1,775222675	0,55543
Dclre1c	1,775222675	1
BC037039	1,775222675	1
Slc7a4	1,77509963	0,74314
Zfp788	1,774853566	1
Nkpd1	1,774115578	1
Gm29487	1,77399261	1
Slc7a11	1,773623757	0,48934
Mus81	1,772763398	1
Zdhhc4	1,770675693	0,65668
Npr1	1,770307529	1
A930016O22Rik	1,770307529	1
6330408A02Rik	1,769326134	1
Gm14843	1,769203498	1
Ak3	1,768590445	0,91694
Ap1g2	1,767487485	1
Zfp617	1,767487485	1

Gm10642	1,767487485	1
Gm45728	1,767119985	1
Creb3l1	1,766385213	1
Gm44950	1,765895535	1
Tbx15	1,765405993	1
Apba1	1,76344918	1
Gm5578	1,761616638	1
Srd5a3	1,761372443	1
Anxa9	1,761372443	1
Car6	1,760640061	1
Ino80c	1,760151976	0,21412
Ada	1,760029976	1
C2	1,759907984	1
Ppp1r21	1,758932354	0,93754
Tlr2	1,757957265	0,40495
Ptgir	1,755521907	0,38778
Ehd1	1,755156895	0,14195
Rfxank	1,754913595	1
Gm12097	1,754427097	1
Gm20517	1,753940734	1
Chaf1b	1,752360985	0,93977
Gm8719	1,752360985	1
Hap1	1,752239525	0,78999
Ppp1r10	1,75199663	0,37345
Chm	1,751268147	1
Gm18969	1,751025386	1
Alg9	1,750539966	0,96748
RP23-277D1.1	1,750175989	1
Ccdc85b	1,749327005	1
Xpo5	1,749205755	1
Ddx17	1,748357241	0,41899
Qpctl	1,747145792	1
Il1b	1,745451173	1
Atp6v1d	1,745209219	0,11785
Spred1	1,745209219	0,51481
Elf4	1,745209219	0,94921
Nacc2	1,744362644	0,66931
Acvr2a	1,744362644	1
Irgm1	1,744120841	1
Nfyc	1,743999952	1
Gm15163	1,743274793	1
Kif13a	1,742912327	1
E430018J23Rik	1,742791522	1
Gm26542	1,742670725	1
Ccar2	1,742429156	1
Slc26a2	1,742187621	0,32505
Acot6	1,741946119	1
Shmt1	1,741463216	0,46494
Gm44623	1,741342511	1
Ift20	1,741101127	0,67602
Bckdk	1,740135923	0,54224
Acaa2	1,739894705	0,60134

Pla2g5	1,739412371	0,48797
Nadsyn1	1,739412371	1
Cacna1s	1,739050708	1
Tmem98	1,73868912	1
Nme4	1,738568608	1
Gm45224	1,737243521	1
Nfkbie	1,734355926	1
Atp6v1g2	1,733875127	1
Zfp532	1,732313451	1
Rsad1	1,731833218	1
Sfn	1,731593152	1
Dhrs11	1,731113119	1
Zdhhc12	1,730753181	0,97841
2700033N17Rik	1,730393319	1
Rmnd1	1,727756612	1
Cyba	1,72751711	0,36272
Gm7285	1,727397372	1
BC004004	1,727157921	0,63713
Rapgef3	1,727157921	1
Zfp128	1,727157921	1
Etfrf1	1,726559437	0,80618
Mettl8	1,725363092	0,84749
Grtp1	1,725243503	1
Babam1	1,72500435	0,60005
Dapk1	1,723211759	0,19569
Zfp113	1,722972888	0,89231
Dph6	1,722853465	0,71757
Smim12	1,72273405	0,5476
Klhl5	1,72273405	0,644
Fadd	1,721898377	1
Murc	1,721063109	1
Adamts4	1,721063109	1
Ipo8	1,720466737	0,66495
Dnajc12	1,720228247	1
Polr3d	1,719870572	0,55543
Frmd4a	1,719632164	0,50794
Fads6	1,719274614	0,96052
Ago1	1,718797996	0,72917
Vac14	1,718678862	1
Nupl2	1,717726088	1
Atp6v0c	1,717487977	1
Clec4a3	1,715822125	1
Mmab	1,715108683	1
A930006K02Rik	1,715108683	1
Slc35d2	1,714514375	1
Mapkapk2	1,714276709	0,25145
Srr	1,71356391	0,6875
Rps13-ps5	1,712970136	1
Fbxo32	1,712613971	1
Txk	1,71225788	1
Lgr4	1,712020527	1
RP23-134M7.3	1,711901863	1

Dbnl	1,711308666	0,71314
RP23-3F1.8	1,710715675	0,73206
Gm5898	1,710122888	1
Ap3b1	1,710004356	0,56457
Phactr1	1,708819482	1
Zfp119a	1,70846418	1
Hoxb3	1,708108951	1
Gm38247	1,708108951	1
Gm11868	1,707517069	1
Gm15157	1,70704371	1
Gm8539	1,706925391	1
B3gnt2	1,706688777	1
Acsl4	1,706333918	0,19933
Rbfox1	1,705269784	1
Apbb1ip	1,704324443	0,2328
Dusp18	1,704206313	0,88883
Dennd2a	1,70385197	0,72711
Fam188b	1,703733872	1
Ecd	1,703143505	0,80618
Gm43147	1,702907415	1
Gm8522	1,702435335	1
Zfp41	1,701491566	1
Gm11273	1,701019878	1
Mfsd3	1,699959057	1
Sfxn2	1,699605597	0,9978
Pstpip2	1,698427929	1
Fam120b	1,697721719	1
Trim7	1,696780563	0,86846
Sec22a	1,696192606	1
Sphk2	1,695722387	0,42146
Tfec	1,695017302	1
Bbs7	1,694429956	1
Nt5m	1,693960225	1
Tmem17	1,693960225	1
Zfp759	1,693490625	1
Rbck1	1,693021155	0,51856
Gm26631	1,6924345	1
Def8	1,692317193	0,98277
Habp4	1,692317193	1
Gm9246	1,691496275	1
Mgat5	1,690910149	0,54482
1110034G24Rik	1,690910149	1
Amotl1	1,690324225	0,33246
Akr1b3	1,689855633	1
Zfp951	1,689621385	1
Rsl1	1,689504274	1
Atp8b4	1,689270075	1
2510046G10Rik	1,688333604	1
Ints7	1,688216582	0,76899
Gm9732	1,688216582	1
Pcdhb15	1,687865564	1
Dmxl2	1,687514619	0,77433

Serpinb8	1,686929872	0,56487
Gpr162	1,686462221	1
D17H6S53E	1,685994699	1
Taco1	1,685527307	1
Zfp429	1,685527307	1
Fam35a	1,685176847	1
2210408F21Rik	1,684476148	1
Lat2	1,684125907	0,55543
Natd1	1,683659033	1
Gmpr	1,683075622	0,644
Rpain	1,683075622	1
Ldb3	1,683075622	1
Ttll1	1,682958965	1
Prkaa1	1,682725673	0,71757
Ifi47	1,682609039	1
Sirt6	1,682492414	1
Fry	1,682375797	1
Zfp12	1,681559701	1
Bnip2	1,681326603	0,54403
Tlcd2	1,681210067	1
Trpv4	1,680511016	1
Ncoa4	1,680511016	1
Ccdc116	1,680394536	1
Capn3	1,6801616	1
Batf2	1,679928696	1
Ndufs3	1,678299274	1
Adora2b	1,678066629	1
DHRX	1,677020123	1
Gm45495	1,676787654	1
Gemin5	1,676671432	1
Myof	1,675858104	0,48128
Diablo	1,674929068	0,8103
Mul1	1,674812975	1
Tmem214	1,673652485	0,98709
Nat8f1	1,673420484	1
Tnfrsf9	1,672608732	0,86143
Ash2l	1,672029151	0,74634
Magee1	1,67156563	1
Mical2	1,671333918	0,88657
Ctsh	1,670638974	1
Zfp318	1,670523178	0,77433
Crtam	1,670175839	1
Gm8242	1,669944319	1
Arhgef25	1,669828572	1
Fus	1,669828572	1
Cd59a	1,669828572	1
Cdk5rap1	1,6695971	1
Nlrp1	1,669018562	0,79006
Flywch1	1,668671536	0,98963
Gm9332	1,668208946	1
Slc25a10	1,667630889	1
9130008F23Rik	1,666937485	1

St7	1,666821946	1
Gm29155	1,666590891	1
Hist1h4h	1,666590891	1
Wipi1	1,665666993	0,74799
Ccdc122	1,665551542	1
Acp2	1,665436099	1
Adamtsl4	1,665205236	1
Scly	1,664974406	1
Asah2	1,664859002	1
E330011M16Rik	1,66462822	1
Lrrc61	1,663820733	0,92401
Frrs1	1,663590095	0,49297
Gm13477	1,663128913	1
Fcgr1	1,662322154	1
Snx20	1,66197652	0,69558
1600010M07Rik	1,661630957	1
Gm42548	1,661630957	1
Stx17	1,661515786	0,91211
Gm9435	1,658984032	1
Hacd4	1,658754064	0,65409
Tspyl2	1,658639092	1
Fcgr4	1,65783451	1
Zfp959	1,65783451	1
Atg10	1,657260048	1
Herpud1	1,657145179	0,37984
Lrrc8b	1,656800622	1
Pigp	1,656570956	1
Gm10033	1,656456135	1
Gm6304	1,656226518	1
Ncf4	1,655882151	0,72711
Efemp2	1,655193632	1
Gm5575	1,65496419	1
Cnpy2	1,65484948	1
lqcc	1,654390722	1
Gnptab	1,654161391	0,55039
Gm15484	1,652556961	1
Nsf	1,652327884	0,77002
Nmi	1,652098838	1
Abcc4	1,651869825	1
Syk	1,651526364	0,59311
Slc35b4	1,651411893	1
Irak4	1,650954088	1
Ttyh3	1,650839656	0,73206
Rgs16	1,64981013	0,96844
4930430E12Rik	1,649581434	1
Slc38a1	1,649238448	0,42988
Suox	1,648895535	1
Akna	1,648666965	1
Zfp182	1,648552692	1
Arhgef10	1,64832417	1
Ncoa7	1,647867221	1
Poli	1,647296212	1

Evi2a	1,646611264	0,92697
Ccdc136	1,646611264	1
Cd200r4	1,646383011	1
Plpp5	1,646040691	1
Prr14l	1,645584374	0,78947
Gm16845	1,645470315	1
Cul4a	1,645356264	0,9388
Zfp541	1,644672122	1
Zfp455	1,6434186	1
4930453N24Rik	1,643190789	1
Tmem14a	1,643190789	1
Bcl2l15	1,642735263	1
Gm14794	1,642735263	1
Rfx5	1,642621402	0,54707
Rab29	1,642393702	0,95064
Gm45802	1,642166033	1
Gm37121	1,641255676	1
Cdon	1,641141916	1
Kbtbd3	1,641028165	0,93261
Ahi1	1,640914421	0,83566
Xylb	1,640459526	1
Zbtb3	1,639891085	1
Rrp7a	1,639095598	1
Ccni	1,638641207	0,46464
Dgka	1,637732803	1
Phldb3	1,637392282	1
Zfp719	1,637392282	1
Sco2	1,636371142	1
B4galt1	1,636030903	0,41205
Gm38111	1,635690736	1
Angpt2	1,634670657	0,88024
Akap7	1,634557354	1
A430105J06Rik	1,634217493	1
Gipc1	1,633990958	1
Slc2a6	1,632292946	1
Ppp6r3	1,632066678	0,59523
Lcp2	1,631953556	0,81474
Enpp5	1,631727335	0,89616
Rilp	1,631501145	1
Tanc2	1,630822764	1
Zfp760	1,630483679	1
Kctd21	1,629692755	1
Ccdc134	1,629466848	1
Sema4b	1,629240971	1
Zfp189	1,628789312	1
Ick	1,628789312	1
Tmem268	1,628337779	0,81781
Isg20	1,628337779	1
Gm6290	1,628337779	1
Homez	1,627660713	1
Iqcf1	1,627096706	1
Xrra1	1,626194702	1

Dpp3	1,626081987	1
Gpatch1	1,625631204	1
Atg4d	1,625631204	1
Gm11694	1,625405859	1
Ctp	1,625180546	1
Egfl7	1,624955264	1
Gm12013	1,624842634	1
Atg9b	1,624279604	1
Pbxip1	1,623716769	0,54605
Galnt4	1,623604226	1
Rinl	1,62349169	1
Rbm2-ps	1,623266642	1
Ulk3	1,623041625	1
Trp53inp2	1,622704158	0,89504
Pde8a	1,622366761	1
Rgl1	1,622141869	0,55328
Dennd4b	1,621917008	1
Ammecr1	1,621354992	0,89616
Snx7	1,620905519	1
Galnt10	1,62079317	1
Adgrl2	1,62079317	1
Gm11222	1,62079317	1
Aspscr1	1,620231543	1
D130007C19Rik	1,620006947	1
Plcg1	1,619894661	0,98704
Lrp8os3	1,619670111	1
Parvg	1,619333345	1
Trmt12	1,619333345	1
Gm14056	1,619333345	1
Hmx3	1,61899665	1
Ppp6r2	1,617762697	1
Zfand3	1,617650566	0,66931
B230322F03Rik	1,617538443	1
B3galnt1	1,61720212	1
2810029C07Rik	1,617090028	1
Ampd3	1,616417639	1
Serinc2	1,61574553	0,95327
Slc7a7	1,615521555	1
Lrrc14	1,6150737	1
Gm7102	1,6150737	1
Bcl2l11	1,614737889	0,95902
Rpl3l	1,614178361	1
Tbc1d7	1,614066478	1
1810062G17Rik	1,614066478	1
Arhgap31	1,613954604	1
Tnfsf8	1,613507183	1
Srxn1	1,613283518	1
Nkrf	1,612724494	1
Slc39a11	1,612500938	0,70393
Tnks1bp1	1,612165663	1
Ddb2	1,611830457	1
mt-Rnr1	1,610713609	0,97469

Gm12389	1,610378705	1
3830403N18Rik	1,610378705	1
Enpp1	1,610267086	1
Nmnat1	1,610155475	1
Atp2a3	1,609932275	0,88313
Klhl8	1,609820687	1
Tars	1,609374412	0,94108
Atp8a1	1,609151321	1
Pla2g16	1,608816742	0,89616
Slc9a3r2	1,608705231	1
Atp13a2	1,608147793	0,85849
Slc41a2	1,607590548	0,84398
Inf2	1,607479122	0,64815
Tmem55a	1,607033496	0,92757
D2Bwg1423e	1,606699358	1
Trmt10b	1,606476637	1
Sh3tc1	1,605474777	1
Selenos	1,605363498	0,76329
Gm1848	1,605363498	1
Rpp40	1,605140963	1
RP23-324E2.11	1,605140963	1
Rpsa-ps9	1,60458476	1
AU040320	1,604473542	0,99635
Borcs7	1,604473542	1
Itpa	1,604362333	1
Sppl2b	1,604251131	1
Gmppb	1,60402875	1
Spsb3	1,60402875	1
Piwi12	1,60358408	1
Sh3bgr	1,602584024	1
Ankrd49	1,601695609	1
Slc12a2	1,600807687	1
Gm17586	1,600142068	1
Ahnak2	1,599587597	0,96732
Spg11	1,599255007	1
Fancf	1,598146872	1
1190005I06Rik	1,597703833	1
Fkbp15	1,597482359	0,80618
Crebbp	1,597482359	0,95647
Ktn1	1,597039505	0,644
Reep6	1,59692881	1
Slc25a12	1,596818123	0,92981
Tsc2	1,596486109	1
Prkag2	1,595932905	0,73978
Elp3	1,595711677	1
Gm5914	1,594605997	1
Slc5a6	1,59416394	1
Slc39a1	1,593832477	1
Dzip3	1,593501083	1
Pex11g	1,593280193	1
Tmem127	1,593169759	1
Lima1	1,592838503	0,93193

Gm38157	1,592838503	1
Il7r	1,592728099	1
Cars	1,59195549	0,83925
Wwox	1,591183256	1
Eri2	1,591183256	1
Smarcd1	1,591072968	1
Ptpn21	1,590852413	1
Ptpn7	1,590301161	1
2310001H17Rik	1,590190934	1
Gm44103	1,589089079	1
Al987944	1,588538439	1
Bcar3	1,588208146	0,96545
Hbs1l	1,587987988	0,67986
Birc3	1,586997659	1
Foxp4	1,586557711	1
Hacd3	1,586007947	1
Gm10605	1,586007947	1
Golim4	1,585898017	0,97329
Nrg4	1,585458374	1
Fancg	1,585348482	1
Vrk3	1,584799137	1
Ucp2	1,584689291	1
Gm44178	1,584689291	1
Nudt14	1,584140175	1
Bcat1	1,584030374	1
Ift140	1,583701019	1
Zfp784	1,583481487	1
Zfp386	1,583042513	1
Map2k3os	1,583042513	1
Al839979	1,582713363	1
Slc35d1	1,582603661	1
Tspoap1	1,582164931	1
Gm45871	1,582055268	1
Aldoc	1,581726323	0,81817
Mertk	1,581507064	1
Fabp5	1,581507064	1
Gm2885	1,581178233	1
Gpr35	1,580520776	1
Gm24959	1,580192151	1
Eml5	1,57887833	1
Slc25a33	1,578659466	0,98162
Zfp235	1,578003057	1
Ints3	1,577456257	0,76074
Gm15185	1,57734692	1
Epc1	1,577237591	1
Igsf3	1,576909647	1
Fbxl17	1,576581772	1
Ppp2r3a	1,576363227	1
Tex9	1,576363227	1
Acot2	1,575489348	1
Slc24a3	1,57505259	1
Trim30a	1,574834256	1

Slc1a5	1,573633963	0,78044
Tlr4	1,573197719	1
Tnfaip8l2	1,572761597	1
Smurf1	1,572761597	1
Tyk2	1,571780763	0,89616
2810025M15Rik	1,571562883	0,94108
Echdc1	1,571453954	1
2310074N15Rik	1,571453954	1
Paqr7	1,571018315	1
Slc38a10	1,570800541	0,84398
Pstpip1	1,570691665	0,83566
Pou4f1	1,569712122	1
Fam114a1	1,569168196	1
Gm20302	1,568624458	1
Acat2	1,567972221	1
Slc25a37	1,567754869	0,84398
Gm13712	1,567646204	1
Grn	1,567428897	0,98942
Slc4a2	1,566994374	1
Slc52a2	1,566994374	1
2310068J16Rik	1,566559971	1
Gm38366	1,566125689	1
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Gaa	1,565583005	1
Lrrc20	1,565365984	1
Zfp169	1,565148993	1
AU022252	1,565040509	1
BC005537	1,564932033	1
Lptm5	1,564172907	0,8294
Zfp3	1,563089081	1
Slc9a4	1,562980739	1
Olfm1	1,562764079	1
Ifi27	1,562764079	1
Mtg2	1,562764079	1
Chrn2	1,56222256	1
Bank1	1,561897739	1
Fancm	1,561681229	1
Gm21967	1,561464749	1
4921536K21Rik	1,56135652	1
Spag7	1,561248299	1
Zfp626	1,561140085	1
Sod1	1,561031879	0,93494
Gm6257	1,56092368	1
Kmt5b	1,559733989	1
Gm7436	1,559733989	1
Gata3	1,559409685	1
Fkbp11	1,558977385	1
Itpr2	1,558653238	0,93754
Tmem69	1,558545205	1
Cant1	1,558221148	0,95327
Prdm4	1,558113144	1
Acadsb	1,558005148	1

Dok3	1,557789177	1
Gstt3	1,557789177	1
Slc27a4	1,557789177	1
Kdm5d	1,557573237	1
Tbc1d4	1,557465278	1
Gnb1l	1,557249382	1
Gm22716	1,557033516	1
Enox2	1,556817681	1
Zfhx4	1,556709774	1
Sema6b	1,556278222	1
Npc2	1,556062491	0,95642
Cyb5rl	1,555954637	1
Ccdc130	1,555738951	1
Letmd1	1,555415478	1
Qrs1	1,554984285	1
Plxnb3	1,554445462	1
Tlr3	1,554014538	1
Scamp5	1,553906825	1
Kank3	1,553906825	1
Trafd1	1,55379912	1
Ccr2	1,55347605	1
1110025M09Rik	1,553260708	1
Gemin4	1,55293775	1
Pyurf	1,551754145	1
Abcb4	1,551539042	1
Sh3pxd2a	1,551108923	1
1700001C19Rik	1,551108923	1
Tmem173	1,550786413	1
Blvra	1,550356503	1
Endog	1,550356503	1
Rbm10	1,550249044	1
Tor4a	1,550034149	1
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Gpatch4	1,338669665	1
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Senp7	1,337463945	1
Atat1	1,337185856	1
Cybb	1,337093172	1
Chmp3	1,337093172	1
Mrps7	1,337000495	1
Ppp3cb	1,336629852	1
Fndc10	1,336537207	1
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Abcd3	1,335888872	1
Coa7	1,335703691	1
Zfp316	1,335703691	1
Srsf6	1,335611111	1
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Samd10	1,32859372	1
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Apopt1	1,057457733	1
Pa2g4	1,057457733	1
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Lrwd1	1,057311149	1
Bin1	1,057237864	1
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Adal	1,051683065	1
Peli1	1,051537281	1
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Snx24	1,037923418	1
Surf2	1,037851477	1
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Rab43	1,023350247	1
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Nolc1	-0,013485	1
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Pebp1	-0,014355	1
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Iqgap1	-0,031943	1
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Plek	-0,034568	1
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Ybey	-0,034999	1
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Pgghg	-0,035539	1
Fchsd1	-0,035545	1
Eif4e2	-0,035476	1
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Surf1	-0,036476	1
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Rps10-ps4	-0,045602	1
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Senp8	-0,074364	1
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Aprt	-0,085032	1
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Samhd1	-0,089719	1
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Adck2	-0,22534	1
Mrpl9	-0,22544	1
Lamtor4	-0,22562	1
RP23-162P10.2	-0,22576	1
Kdsr	-0,22602	1
Fbxl5	-0,22598	1
Chmp7	-0,22621	1
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Gng2	-0,27955	1
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Klkb1	-0,28303	1
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Ccdc22	-0,28307	1
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Gar1	-0,28564	1
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Trim3	-0,28778	1
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Git2	-0,29585	1
Rnf25	-0,29594	1
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Rtnn	-0,29609	1
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Calr	-0,29721	1
Ppid	-0,29749	1
Gm23722	-0,29767	1
Cnot7	-0,29792	1
Aimp2	-0,29799	1
Golph3l	-0,29814	1
Phf1	-0,2981	1
Gm18860	-0,29829	1
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Helb	-0,2986	1
Sdf2	-0,29863	1
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Cul3	-0,29894	1
Prim1	-0,29921	1
Rps29	-0,29925	1
Ssbp3	-0,29963	1
Slc25a22	-0,29969	1
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Tgoln1	-0,29978	1
Blcap	-0,29987	1
Fgd4	-0,30002	1
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Ndrp4	-0,30029	1
Mgea5	-0,30029	1
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Sumo1	-0,3012	1
Eif3k	-0,30116	1
Casp6	-0,3013	1
Vps53	-0,30143	1
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Zfp444	-0,30162	1
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Thpp2	-0,30178	1
Eif3e	-0,30194	1
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Kif21b	-0,30204	1
Tbkbp1	-0,302	1
Eif4b	-0,30201	1
1110003F10Rik	-0,30223	1
Mapk8ip1	-0,30252	1
Thap2	-0,3026	1
Aga	-0,30261	1
Cpeb2	-0,30291	1
Rps12-ps26	-0,3033	1
Mrps23	-0,30351	1
Vprbp	-0,30361	1
Mrps31	-0,30369	1
Ilkap	-0,30391	1
Mast4	-0,3041	1
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Wbp1	-0,30448	1
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Fam109a	-0,30469	1
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Osgin1	-0,30504	1
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Baat	-0,30529	1
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Pygl	-0,30536	1
Dag1	-0,30559	1
Ube2e2	-0,30574	1
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Agps	-0,3064	1
Fads3	-0,30697	1
Gm7783	-0,30704	1
Klhl7	-0,30719	1
Tomm7	-0,30717	1
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Emsy	-0,30798	1
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Rrnad1	-0,30964	1
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Strip1	-0,31002	1
Fbxo2	-0,31016	1
Flrt2	-0,3102	1
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Dcaf5	-0,31063	1
Mif	-0,31082	1
Cpsf7	-0,31082	1
Ap2b1	-0,31091	1
Zfp942	-0,31112	1
Gtf3c4	-0,31107	1
Pgrmc1	-0,31133	1
Eif4e	-0,31154	1
Snord35a	-0,31157	1
Dek	-0,31166	1
Bmpr1a	-0,31193	1
Slc36a1	-0,31194	1
Gm5380	-0,31196	1
Gm12770	-0,31207	1
1600012H06Rik	-0,31233	1
Rgs11	-0,3124	1
Itga5	-0,31256	1
Lman2l	-0,3126	1
Rpl13-ps3	-0,31271	1
Srrt	-0,31271	1
Ccdc114	-0,31338	1
RP23-447C2.2	-0,3135	1
Casp9	-0,31353	1
1810058I24Rik	-0,31355	1
Tmem109	-0,31349	1
Anapc16	-0,31374	1
Fam122a	-0,31408	1
C920009B18Rik	-0,31443	1
Golga3	-0,3147	1
Noc3l	-0,31485	1
Ndufa1	-0,31501	1
Acad11	-0,31515	1
Ccnt1	-0,3151	1
Prpf3	-0,31554	1
Inip	-0,31553	1
Gm44254	-0,31573	1
Nucb1	-0,31571	1
Caap1	-0,31577	1
Naa20	-0,31616	1
Tpst2	-0,31647	1
Lrfr4	-0,31659	1
Mesdc1	-0,31661	1
Kpnb1	-0,31656	1
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Gxylt1	-0,31673	1
Oas1b	-0,31682	1
Cycs	-0,31705	1
Mcm4	-0,31739	1
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Fcrl1	-0,31803	1
RP23-184H3.5	-0,31797	1
Dhps	-0,31807	1

Gm4604	-0,31816	1
Swt1	-0,31831	1
Rpl27a	-0,3183	1
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Dlg3	-0,31847	1
Gltscr2	-0,31854	1
Ftx	-0,31873	1
2610001J05Rik	-0,31874	1
Rora	-0,31875	1
Pyroxd1	-0,31891	1
Snrpe	-0,31896	1
Gm5580	-0,31914	1
Narf	-0,3191	1
Hace1	-0,31917	1
Kansl1	-0,31933	1
Actn4	-0,31927	1
Zfp449	-0,31943	1
Sdccag3	-0,31938	1
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Ube2b	-0,31943	1
4930448A20Rik	-0,31966	1
Fis1	-0,31971	1
4921524J17Rik	-0,31983	1
Cep192	-0,31999	1
Alox5ap	-0,32002	1
Cox14	-0,3208	1
Calm2	-0,32084	1
Gm11737	-0,321	1
Gm7504	-0,32104	1
Snhg15	-0,32153	1
Slc12a6	-0,3217	1
Sp3	-0,32184	1
Rap1a	-0,32192	1
Azin1	-0,32197	1
Cep350	-0,32202	1
Gripap1	-0,3221	1
Txndc17	-0,32244	1
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Mtmr12	-0,32259	1
Capza2	-0,3227	1
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Kbtbd2	-0,32311	1
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Ric8b	-0,32341	1
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Snhg18	-0,32356	1
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Hdac3	-0,32393	1
Pcnp	-0,32402	1
Hspa14	-0,3242	1

B3galnt2	-0,32452	1
Cebpa	-0,32453	1
Arpc5l	-0,32455	1
Rangap1	-0,32517	1
Cwf19l1	-0,32546	1
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Fam45a	-0,32636	1
C130083A15Rik	-0,32648	1
Slc25a20	-0,32669	1
Mrip-ps	-0,32677	1
Il1rn	-0,32685	1
Clspn	-0,32675	1
2410006H16Rik	-0,32686	1
Gm11688	-0,32716	1
Tmf1	-0,3273	1
Gatad1	-0,32733	1
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Triobp	-0,32774	1
Usp37	-0,32775	1
Vat1	-0,3277	1
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Ech1	-0,32783	1
Yrdc	-0,32806	1
Cfp	-0,3284	1
Cdyl2	-0,32842	1
Gm13360	-0,3285	1
Ikbkap	-0,32866	1
Zfand5	-0,32877	1
Plp2	-0,3289	1
Phc3	-0,32912	1
Hist1h3d	-0,32921	1
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Stk25	-0,3293	1
Snx30	-0,33009	1
Trim47	-0,3303	1
Hnrnpf	-0,33025	1
Tbcb	-0,33026	1
Gm10175	-0,33026	1
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Phactr4	-0,33027	1
Agtppbp1	-0,33035	1
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Smad3	-0,3307	1
Arhgef17	-0,33086	1

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Pih1d2	-0,33099	1
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Anxa5	-0,33214	1
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Wdr90	-0,33251	1
Nabp1	-0,3325	1
Aldh2	-0,33254	1
Gm42511	-0,33309	1
Rps26-ps1	-0,33311	1
Kdm4b	-0,33326	1
Gm15501	-0,33345	1
Pip4k2b	-0,33401	1
1110038B12Rik	-0,33396	1
Washc3	-0,33441	1
Rab1a	-0,33451	1
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Arhgap15	-0,3346	1
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Uchl5	-0,33485	1
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Anp32e	-0,33517	1
Gm15216	-0,33527	1
Mrps30	-0,3356	1
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Phf20l1	-0,33613	1
Tagln2	-0,33618	1
Hist4h4	-0,33634	1
Hmgcr	-0,33635	1
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Esr1	-0,33691	1
Clock	-0,33694	1
Cdc14b	-0,33687	1
Oat	-0,33728	1
Rhbdf2	-0,33745	1
Rpl23	-0,33749	1
Itgam	-0,33769	1
Fam110a	-0,33775	1
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Camkmt	-0,33798	1
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Cdkn1a	-0,33884	1
Tacc1	-0,33887	1
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Als2	-0,33913	1
Mrps36-ps2	-0,33923	1
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Cd74	-0,33947	1
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Nxt1	-0,33973	1
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Klhl42	-0,34076	1
Tollip	-0,3408	1
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Atf6	-0,34138	1
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Cav2	-0,34203	1
RP23-316F10.2	-0,34225	1
Gm13009	-0,34227	1
Arhgdig	-0,34233	1
Gm11605	-0,34241	1
Trove2	-0,34238	1
Hoxa5	-0,34255	1
Chd7	-0,34265	1
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Morf4l2	-0,34303	1
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Polr1d	-0,34454	1
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Syap1	-0,34478	1
4930581F22Rik	-0,34516	1
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Rhpn2	-0,34527	1
Snrpert	-0,34542	1
Lrp1	-0,34538	1
Ttc12	-0,34555	1
Rps27a-ps1	-0,34573	1
Gm20072	-0,34601	1
Bud13	-0,34595	1
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Akt3	-0,34658	1

Themis2	-0,34684	1
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Tbpl1	-0,34692	1
Lrrfip1	-0,34695	1
Vps13d	-0,34723	1
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Hikeshi	-0,34733	1
Rbm19	-0,34738	1
C630004M23Rik	-0,34764	1
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Faim	-0,34868	1
Arpp19	-0,34876	1
Pou2f1	-0,34914	1
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Simc1	-0,34935	1
Brca1	-0,34961	1
Rock2	-0,34957	1
E2f2	-0,3497	1
Vezf1	-0,34965	1
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Ado	-0,35126	1
Tcof1	-0,35127	1
2310022A10Rik	-0,35141	1
Ing1	-0,35152	1
Gm3571	-0,35155	1
Aarsd1	-0,35159	1
Man1c1	-0,35162	1
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Acvr1b	-0,35209	1
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Stk17b	-0,3536	1
Hbp1	-0,35389	1
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Rpl35a	-0,35401	1
Ptms	-0,35417	1
Ss18l2	-0,35433	1
RP23-114G13.7	-0,35451	1
Prdx4	-0,35486	1

Gins1	-0,35504	1
Ercc6	-0,35544	1
Pym1	-0,3556	1
Wasl	-0,35559	1
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Abcb1b	-0,35604	1
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Arhgap27os2	-0,35721	1
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Ptrh1	-0,35772	1
Hip1r	-0,35807	1
Mrpl30	-0,3582	1
Nfkb1	-0,35834	1
Ndufa4l2	-0,35869	1
Kras	-0,35869	1
Gm11423	-0,35883	1
Pank2	-0,35882	1
RP23-453B15.7	-0,35897	1
Rps19bp1	-0,35912	1
Mfng	-0,35944	1
Tfcp2l1	-0,35951	1
Kctd13	-0,35954	1
Anapc7	-0,35946	1
Uqcrh-ps1	-0,35967	1
Gm12906	-0,35991	1
Snx18	-0,36012	1
Myl6	-0,36052	1
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Ogfrl1	-0,36069	1
Casp8ap2	-0,36113	1
Zbtb11	-0,36115	1
Atg12	-0,3613	1
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Arvcf	-0,36184	1
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RP24-325P4.5	-0,36428	1
RP24-82M14.1	-0,36456	1
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Creb3	-0,36823	1
Gm37702	-0,36839	1
7330423F06Rik	-0,36841	1
Tcaf1	-0,36852	1
Kctd10	-0,36853	1
Slc44a2	-0,36859	1
2310015A10Rik	-0,36871	1
Gm8731	-0,36868	1
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Patl1	-0,36887	1
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Rpsa	-0,3693	1
Manbal	-0,36952	1
Map2k1	-0,36982	1
H2afz	-0,36994	1
Gm43061	-0,37	1
Ppia	-0,37022	1
Kpna6	-0,37034	1
Napg	-0,37063	1
RP24-183O8.6	-0,37079	1
Mettl23	-0,37085	1
Rps12-ps9	-0,37093	1
Mlf1	-0,371	1
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Polr2h	-0,37142	1
Rps6-ps1	-0,37149	1
Rpa2	-0,37164	1
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Srsf2	-0,37187	1
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Sin3a	-0,37239	1
Ube2c	-0,37246	1
Tmem11	-0,3725	1
Fem1c	-0,3727	1
Itpr1l1	-0,37281	1
Irf2bpl	-0,37277	1
Cracr2b	-0,37289	1
Spred2	-0,37285	1
Spryd7	-0,3729	1
Stk16	-0,37376	1
2310034G01Rik	-0,37431	1
Supt7l	-0,37429	1
Pds5a	-0,37438	1
Usp35	-0,37447	1
RP23-354J5.3	-0,37464	1
Mad2l2	-0,37468	1
Etfa	-0,37494	1
2900076A07Rik	-0,37519	1
Saraf	-0,37523	1
B3gnt1l	-0,37563	1
Atp13a3	-0,37558	1
D430013B06Rik	-0,37579	1
Gm6905	-0,37589	1
Pold3	-0,37596	1
Gnas	-0,37615	1
Rpl22-ps1	-0,37638	1
Phc2	-0,37646	1
Gm42728	-0,37666	1
Maff	-0,37691	1
Pwp2	-0,37687	1
Ighm	-0,37732	1
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Tmem171	-0,37791	1
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Pank4	-0,3787	1
1700084E18Rik	-0,37883	1
Tmem143	-0,37877	1
Lta4h	-0,37876	1
Wdr34	-0,37903	1
Ube2g2	-0,3792	1

Rab3il1	-0,37961	1
RP23-288C18.3	-0,37967	1
Icam4	-0,37967	1
Pikfyve	-0,37969	1
Tra2b	-0,37976	1
Crlf3	-0,37998	1
Gm23100	-0,38022	1
Cdkn1b	-0,38051	1
Hmx2	-0,38066	1
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Scrn3	-0,38122	1
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St3gal4	-0,38162	1
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Clasp1	-0,3821	1
Srfbp1	-0,38244	1
3110002H16Rik	-0,38267	1
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Creb1	-0,38424	1
Rad21	-0,38444	1
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Hivep3	-0,38504	1
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Tcaim	-0,38611	1
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Lyst	-0,38673	1
Cdk19	-0,3869	1
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B230219D22Rik	-0,38719	1
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Raly	-0,38752	1

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Rps13-ps2	-0,39032	1
Wdcp	-0,39043	1
Cd302	-0,3906	1
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Trmt1	-0,39157	1
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Pdcd2l	-0,39264	1
Rps18-ps1	-0,3928	1
Mir17hg	-0,39294	1
Ptch1	-0,393	1
Rpl27a-ps2	-0,39307	1
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Mex3a	-0,3933	1
Bmt2	-0,39333	1
Fam71f2	-0,39353	1
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Chst12	-0,39355	1
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Cfl2	-0,39391	1
Pcf11	-0,39436	1
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Baz2a	-0,39488	1
Gm4978	-0,39496	1
6720427I07Rik	-0,3951	1
Gm4374	-0,39517	1
0610030E20Rik	-0,39529	1
Dyrk3	-0,39555	1
Hnrnpd	-0,39568	1
Sh3bp1	-0,39583	1
Commd1	-0,39607	1
Hoxb7	-0,3968	1
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Mir124-2hg	-0,39712	1
AA474408	-0,3972	1
3110009E18Rik	-0,3974	1
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F10	-0,39765	1
Pi16	-0,39802	1
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Slc8b1	-0,39818	1
Nrm	-0,39827	1
Gm20342	-0,39885	1
Grhl1	-0,39914	1
Gm20274	-0,39935	1
Gpr155	-0,3993	1
Polr2k	-0,39934	1
Mettl10	-0,39942	1
Cdca4	-0,3994	1
Asph	-0,39983	1
2010016I18Rik	-0,40004	1
Gm8318	-0,40003	1
Chic2	-0,40007	1
Jsrp1	-0,40023	1
Glipr2	-0,4002	1
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Zfp503	-0,40025	1
Dpm1	-0,40029	1
Upf1	-0,40033	1
Gm6198	-0,4004	1
Vps37b	-0,40096	1
Gm6649	-0,40117	1
Epb41	-0,40119	1
Gltp	-0,40115	1
Mybl2	-0,40131	1
Rpl36-ps2	-0,40156	1
Lyz1	-0,4017	1
Rnf167	-0,40184	1
2510039O18Rik	-0,40194	1
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Hsph1	-0,40294	1
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Ttc37	-0,40341	1
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Cd47	-0,40503	1
Mgat1	-0,40515	1
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Serf2	-0,40698	1
Timeless	-0,40771	1
Gm12857	-0,40783	1
Gm14706	-0,408	1
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Pfdn2	-0,40883	1
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Anxa3	-0,40931	1
Spg21	-0,4096	1
Gabpb1	-0,40973	1
Diaph3	-0,40985	1
Fam198b	-0,41014	1
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Ctxn1	-0,41083	1
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Kat2b	-0,41124	1
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Atpaf1	-0,41191	1
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Metap1d	-0,41236	1
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Rad52	-0,41274	1
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Eaf1	-0,41343	1
Ilf3	-0,41336	1
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Hoxb5	-0,4136	1
Lemd3	-0,41381	1
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RP24-366E11.4	-0,41448	1
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Map3k2	-0,41502	1
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Brwd3	-0,4159	1
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Gm14541	-0,41661	1
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Ldha	-0,41694	1
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Pafah1b3	-0,41702	1
Ovgp1	-0,41714	1
Alyref	-0,41772	1
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H2-M3	-0,42006	1
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Med11	-0,42088	1
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Chac2	-0,42118	1
Car12	-0,42116	1
Pam16	-0,42159	1
Lmf2	-0,42161	1
Tpd52-ps	-0,42169	1
Atxn1l	-0,42192	1
Gm9008	-0,422	1
Rpl10-ps3	-0,42197	1
Paxbp1	-0,4226	1
Hsf2	-0,42334	1
Psme1	-0,42341	1
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Xpo1	-0,42499	1
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Rps11-ps1	-0,42526	1
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Abhd2	-0,42557	1
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Scp2-ps2	-0,42621	1
Gm12501	-0,42621	1
Syt11	-0,42616	1
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Gm1947	-0,42665	1
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Calr-ps	-0,4299	1
Med18	-0,43048	1
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Mapkapk5	-0,4313	1
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Mastl	-0,43342	1
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Tma7-ps	-0,43368	1
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Gatm	-0,43565	1
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Diaph1	-0,4373	1
Vcpkmt	-0,43768	1
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Anp32a	-0,43865	1
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St6galnac6	-0,44034	1
Plekhf2	-0,44059	1
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B2m	-0,44275	1
Slbp	-0,44283	1
Kctd5	-0,44278	1
Tk1	-0,4431	1
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Dgcr8	-0,44347	1
5730508B09Rik	-0,44379	1
Aurka	-0,44382	1
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Gm23127	-0,44422	1
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Sik1	-0,44486	1
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Sft2d1	-0,44495	1
Hypk	-0,445	1
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Prkcd	-0,44702	1

Ccnyl1	-0,44759	1
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Trp53rkb	-0,45025	1
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Jam2	-0,45046	1
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Copz2	-0,4506	1
Tsr2	-0,45084	1
Lamc1	-0,45085	1
RP23-123D6.12	-0,45104	1
Zfp146	-0,45118	1
Htt	-0,45131	1
Nabp2	-0,45139	1
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Spns1	-0,45355	1
RP23-255F14.4	-0,45366	1
Med30	-0,45452	1
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Ptcd3	-0,45464	1
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Gm26799	-0,4553	1
Pltp	-0,45534	1
Irx2	-0,45548	1
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Alox8	-0,45675	1
Gm12184	-0,45706	1
Sf3a2	-0,45716	1
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Entpd6	-0,45822	1
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Ptma	-0,45845	1
Stx7	-0,45868	1
Ranbp9	-0,45885	1
Edem3	-0,45882	1
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Gm8894	-0,45939	1

Rpl28-ps1	-0,45956	1
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5830432E09Rik	-0,46192	1
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Dynlt1-ps1	-0,46258	1
Bloc1s4	-0,46294	1
Prelid2	-0,46294	1
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Ctnnd1	-0,46354	1
Lnpk	-0,46393	1
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Gfpt1	-0,46413	1
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Cinp	-0,46494	1
Pik3c2a	-0,46496	1
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Peak1	-0,46865	1
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Aida	-0,47056	1
Igip	-0,47068	1
Vps29	-0,47105	1
RP23-312A24.1	-0,47111	1
Fcna	-0,47123	1
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Tmem8b	-0,47158	1
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Spata33	-0,4719	1
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Jund	-0,47216	1
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Fbl	-0,47315	1
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Rpl19-ps1	-0,4736	1
Myo1f	-0,47364	1
C630043F03Rik	-0,47369	1
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Rpsa-ps11	-0,47531	1
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Ifi202b	-0,47584	1
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Arhgap25	-0,47826	1
Bbs5	-0,47843	1
Gm9701	-0,47851	1
Suv39h1	-0,47849	1
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Triap1	-0,47949	1
Rps6ka5	-0,4801	1
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Clic1	-0,48503	1
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Ndufs5	-0,48535	1
Gm12176	-0,48534	1
Tfeb	-0,48596	1
Adamts1	-0,48641	1
Gm13886	-0,48653	1
1700124L16Rik	-0,48734	1
Gm12338	-0,48752	1
Melk	-0,48792	1
Rbpms	-0,48809	1
Thap1	-0,48811	1
Arf6	-0,48845	1
Yipf4	-0,48858	1
Rpl11	-0,48891	1
Rps12-ps4	-0,48892	1
Celf1	-0,48893	1

Rpl31-ps8	-0,48902	1
Rassf8	-0,48907	1
Gm11930	-0,48921	1
Gm6682	-0,48924	1
Gm17971	-0,48925	1
B230217C12Rik	-0,48971	1
Stc2	-0,48992	1
Tmem168	-0,48989	1
Lactb2	-0,4901	1
Acot1	-0,49025	1
Nr3c1	-0,49033	1
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Terf2ip	-0,49062	1
Sem1	-0,49074	1
Gm7432	-0,49131	1
Trf	-0,49126	1
4933433G15Rik	-0,49144	1
Gm12258	-0,49159	1
Ube2d1	-0,49171	1
Sc5d	-0,49173	1
Gm7589	-0,49191	1
Cryz	-0,49191	1
Gm14539	-0,4921	1
Pmm1	-0,49216	1
Ssfa2	-0,49226	1
C030034I22Rik	-0,49247	1
Cd52	-0,49292	1
Gm12115	-0,49301	1
BC085271	-0,49297	1
Gm7666	-0,49309	1
Nup153	-0,49384	1
mt-Tc	-0,49389	1
Kn11	-0,49413	1
Tm6sf1	-0,49432	1
Gm8254	-0,49434	1
Snx3	-0,49453	1
Hspbap1	-0,49495	1
Gm37234	-0,49488	1
Prelid1	-0,49542	1
RP24-225A16.3	-0,49549	1
Mrpl27	-0,49559	1
Gm13397	-0,49571	1
Mthfd2l	-0,49579	1
Rpl21-ps6	-0,4959	1
Rpl41	-0,49603	1
Rps8-ps3	-0,49613	1
Rps4x-ps	-0,49626	1
Tmed8	-0,49662	1
Gm20045	-0,49678	1
Gm10704	-0,4968	1
Hic2	-0,49689	1
Clpx	-0,49744	1

RP23-43M12.2	-0,49756	1
Rpa3	-0,49778	1
Whamm	-0,49804	1
Ncaph2	-0,49813	1
Pdlim7	-0,49817	1
RP23-359K10.8	-0,49854	1
Flna	-0,49858	1
1700056N10Rik	-0,49871	1
Ccne2	-0,49886	1
Rpl39	-0,49927	1
Ticrr	-0,49961	1
Gm6640	-0,50024	1
Ndfip1	-0,50041	1
Tmod3	-0,50102	1
4933427D14Rik	-0,50098	1
Tslp	-0,50129	1
Ggct	-0,50141	1
Stx3	-0,50155	1
Acadm	-0,50164	1
Ckb	-0,50178	1
Gm7312	-0,50255	1
Gm15198	-0,50278	1
Tmem261	-0,50303	1
Rab26os	-0,50307	1
Gm8606	-0,50319	1
Blvrb	-0,50341	1
Ybx1	-0,5035	1
Nrtn	-0,50386	1
Ccnt2	-0,50407	1
RP23-65M10.2	-0,50432	1
Gm15268	-0,50473	1
Crip2	-0,50497	1
Jag1	-0,50526	1
Dpysl2	-0,50535	1
Pdpf	-0,50548	1
Rangrf	-0,50549	1
Gm2000	-0,5058	1
Gm43162	-0,50583	1
Slc16a1	-0,50665	1
Gm14427	-0,50685	1
Plxna3	-0,50689	1
Gm9531	-0,50748	1
1110046J04Rik	-0,50746	1
Eif3f	-0,50778	1
Gm6285	-0,50784	1
Gm37297	-0,50781	1
Akr1b10	-0,50793	1
Rpl3-ps2	-0,5081	1
Fbxl3	-0,50819	1
Pde2a	-0,50823	1
Tpra1	-0,50842	1
Gm7808	-0,50864	1

Abt1	-0,50903	1
Rpl31	-0,50912	1
Kif9	-0,50912	1
Gm11686	-0,50919	1
Rps7	-0,5093	1
Sf3b1	-0,50937	1
Abca1	-0,50936	1
Sp4	-0,50993	1
Raph1	-0,50988	1
Ccnd3	-0,51007	1
Rpl9-ps6	-0,51041	1
Rpl5	-0,51044	1
Cenpu	-0,51073	1
Gng12	-0,51087	1
Prmt2	-0,51211	1
Gm42547	-0,51243	1
Thbs3	-0,51272	1
Pax3	-0,51323	1
Ccl9	-0,5136	1
Usp26	-0,51369	1
Gm5599	-0,51378	1
Snrpg	-0,51389	1
Lilr4b	-0,51408	1
Rps24-ps3	-0,51489	1
Gm12716	-0,51501	1
Cbx4	-0,51526	1
Snx29	-0,51532	1
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Cenpm	-0,5155	1
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Mien1	-0,51608	1
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Gpi1	-0,51676	1
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Cdc6	-0,51714	1
Ugcg	-0,51757	1
St6gal1	-0,51786	1
Atg16l1	-0,51816	1
Cebpg	-0,51893	1
Btaf1	-0,51906	1
Cacna1a	-0,51919	1
Rapgef5	-0,5195	1
Magoh	-0,5197	1
Ascc3	-0,5197	1
Gm11675	-0,51995	1
Ccnb2	-0,52018	1
Adam8	-0,52112	1
Ankle1	-0,52115	1
Wdr20	-0,52143	1
Kpna3	-0,52173	1
Lars2	-0,52165	1

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Ccl3	-0,52209	1
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Rad9a	-0,5223	1
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Zfp87	-0,52321	1
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Prkx	-0,52344	1
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Rdm1	-0,5237	1
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Gm13392	-0,52417	1
9630010A21Rik	-0,52428	1
Cep89	-0,5243	1
Gm10076	-0,5244	1
Ptger4	-0,52485	1
Kif2c	-0,52495	1
Ywhah	-0,52534	1
Cbwd1	-0,52645	1
Gm11450	-0,52662	1
Glul	-0,52711	1
Cds1	-0,52714	1
Gm11942	-0,52721	1
Haus3	-0,52726	1
Zfp655	-0,52781	1
Clmp	-0,52782	1
Ctnnbip1	-0,52814	1
Gm5139	-0,5281	1
Zeb2os	-0,52817	1
RP23-128C4.4	-0,52821	1
Spin1	-0,52867	1
Pex5	-0,52885	1
Cd300a	-0,52914	1
E2f6	-0,5292	1
Zscan2	-0,52964	1
Pop5	-0,52986	1
Fam171a2	-0,5302	1
Gnai3	-0,53036	1
Gm3362	-0,53038	1
Cyth3	-0,5308	1
9430060I03Rik	-0,53122	1
Snord87	-0,53131	1
Rrm2	-0,53192	1
Osbpl3	-0,53241	1
Fgfr1op	-0,53265	1
a	-0,53308	1
Erlin1	-0,53359	1
Rps15a-ps8	-0,53387	1
Tdp2	-0,53402	1
Dck	-0,53411	1

Rab10os	-0,5343	1
Crebrf	-0,53445	1
H2-Q7	-0,53457	1
Gm6305	-0,5347	1
Gm22714	-0,5349	1
Pcsk7	-0,53498	1
Angptl4	-0,53531	1
Gm37949	-0,53542	1
Add3	-0,53572	1
Rassf7	-0,53567	1
Gm25007	-0,53569	1
Mettl7a1	-0,53601	1
Phtf1os	-0,53597	1
Cdca5	-0,53611	1
Amt	-0,53641	1
Gm36189	-0,53701	1
RP24-282C4.13	-0,53702	1
Fbxo21	-0,53719	1
Rps12-ps10	-0,53721	1
Topbp1	-0,53731	1
Sp140	-0,53726	1
Pfn1	-0,53729	1
Slc2a4rg-ps	-0,53743	1
H2-K1	-0,5375	1
Pex1	-0,53811	1
Tmem132a	-0,53843	1
Gm4525	-0,53845	1
Hnrnpr	-0,53867	1
Efhd2	-0,53901	1
Acer3	-0,53942	1
Gm10689	-0,53949	1
Hsd3b7	-0,53983	1
RP24-275P22.2	-0,54008	1
Cmtm6	-0,54028	1
Phka2	-0,54124	1
3110031N09Rik	-0,5414	1
Gm9354	-0,54144	1
Lin52	-0,54185	1
9330020H09Rik	-0,54197	1
Tspyl4	-0,54197	1
Emp1	-0,54208	1
Calm3	-0,54246	1
Hinfp	-0,54297	1
Hspe1	-0,54323	1
Tsc1	-0,54375	1
Sbds	-0,54407	1
Gm10260	-0,54504	1
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Gsk3a	-0,54552	1
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Rcn2	-0,54733	1
Icosl	-0,54727	1

Plk1	-0,54748	1
Klf3	-0,54762	1
Gm26244	-0,54771	1
Rn7s6	-0,54774	1
Sertad1	-0,54854	1
Ift80	-0,54892	1
Gm9320	-0,54908	1
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Seh1l	-0,55053	1
Map3k9	-0,55069	1
Nexn	-0,55077	1
Gm15859	-0,55132	1
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Wee1	-0,55159	1
Lgmn	-0,5516	1
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Gm16580	-0,55174	1
Ppp1r16a	-0,55183	1
Pde7a	-0,55218	1
Elavl1	-0,55261	1
Ints8	-0,55272	1
Gm44090	-0,5528	1
Kpna4	-0,55294	1
Susd6	-0,55296	1
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Gm11539	-0,55406	1
Mpp3	-0,55452	1
Cdc42ep4	-0,55465	1
Mybl1	-0,5548	1
Recql4	-0,55488	1
Rpl7-ps7	-0,555	1
Ino80d	-0,55535	1
Tmem81	-0,5556	1
RP23-246F14.1	-0,55572	1
Gm43571	-0,55585	1
Rrp12	-0,55607	1
Srsf4	-0,55616	1
Akirin2	-0,55644	1
Gm6548	-0,55669	1
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Card19	-0,55702	1
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Npm3	-0,55732	1
Ero1l	-0,55742	1
Gm12522	-0,55757	1
Rpl31-ps13	-0,55773	1
Gm15720	-0,55862	1

Magohb	-0,55865	1
Cenpa	-0,55956	1
Cystm1	-0,56013	1
Oaz2	-0,56033	1
Fubp1	-0,56066	1
Gm44694	-0,5608	1
Npy	-0,56135	1
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Krit1	-0,56168	1
Cpeb4	-0,56181	1
Stxbp3	-0,5618	1
Hsd17b10	-0,56235	1
H2-Q5	-0,56237	1
Aoc2	-0,56334	1
Dynll1	-0,56353	1
Pim3	-0,56365	1
9430015G10Rik	-0,56361	1
Prr7	-0,56372	1
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Gm6743	-0,56405	1
Adpgk	-0,56433	1
Aaed1	-0,5645	1
C78859	-0,56447	1
Piga	-0,56464	1
Itpkb	-0,56473	1
Dqx1	-0,56517	1
Stam	-0,56533	1
Cenpn	-0,56565	1
Fanca	-0,56568	1
Gm37738	-0,56568	1
Gm15472	-0,56581	1
Rita1	-0,56613	1
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Gm4602	-0,56667	1
Snhg12	-0,56715	1
Cdca3	-0,56716	1
Tor1aip1	-0,56732	1
Rpl17-ps8	-0,56728	1
D030056L22Rik	-0,56856	1
Hsf2bp	-0,56879	1
Prdm15	-0,56888	1
Polg2	-0,56907	1
Gm7287	-0,56952	1
Pak4	-0,5696	1
Erfe	-0,56963	1
Qk	-0,56996	1
Gm12726	-0,57051	1
Pcif1	-0,57072	1
Plekhg4	-0,57082	1
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Lmln	-0,57154	1
Gm45749	-0,57146	1
Slc7a6os	-0,57164	1
BC051226	-0,57287	1
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Car2	-0,57327	1
Map3k1	-0,57336	1
Rny1	-0,57355	1
Chek1	-0,57372	1
Atp11b	-0,57421	1
Rps23	-0,5749	1
Sowahc	-0,57548	1
Morf4l1	-0,57553	1
Rpl30	-0,57556	1
Arid3b	-0,57592	1
3110062M04Rik	-0,57609	1
Leng8	-0,57607	1
Gm43773	-0,57614	1
Rps17	-0,57634	1
Metrnl	-0,57681	1
Tmem176a	-0,57722	1
Creb5	-0,57805	1
Depdc1b	-0,5785	1
Gm13622	-0,57946	1
2810405F17Rik	-0,57967	1
Gm43715	-0,57984	1
Gm12267	-0,58001	1
Tmem170	-0,58018	1
Eloc	-0,58112	1
Gm6204	-0,58116	1
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Tfb1m	-0,58169	1
Lat	-0,58195	1
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Cdkn2aip	-0,5827	1
Ccdc50-ps	-0,58274	1
Spdl1	-0,58282	1
Ss18l1	-0,58286	1
Gm43578	-0,58289	1
Ddx43	-0,5832	1
Miip	-0,5833	1
Smg1	-0,58353	1
Rgs3	-0,5837	1
Gm22009	-0,58394	1
Cdk2	-0,58451	1
Hist1h4i	-0,58492	1
RP24-454N4.2	-0,585	1
6030400A10Rik	-0,58506	1
Rpl38-ps1	-0,58533	1
Gm38036	-0,58569	1
Med6	-0,5862	1

Rdh13	-0,58678	1
Pfdn5	-0,587	1
Gm8662	-0,58705	1
Gm24951	-0,58714	1
Mtm1	-0,58716	1
Gm6450	-0,58742	1
Fgf13	-0,5883	1
Gm13815	-0,58852	1
Rps12-ps5	-0,58853	1
Smyd5	-0,58883	1
1500002F19Rik	-0,58948	1
Nav2	-0,5899	1
Hpse	-0,58988	1
Tnni2	-0,59029	1
Gm45884	-0,59062	1
Acat1	-0,59076	1
Cebpb	-0,59084	1
Camta1	-0,59086	1
Dusp5	-0,59131	1
Kif14	-0,59142	1
Srcap	-0,59152	1
Gm9396	-0,59194	1
RP23-426K2.3	-0,592	1
Bhlhe41	-0,59226	1
Gm9484	-0,59236	1
Rab5a	-0,59281	1
Ropn1l	-0,59288	1
Tmem256	-0,59326	1
Smagp	-0,59358	1
Gm6433	-0,59375	1
Asf1a	-0,59398	1
Efcab11	-0,59435	1
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Gm8818	-0,59522	1
Snapc1	-0,59544	1
Gm7351	-0,5956	1
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Gm37407	-0,59591	1
Gm43336	-0,59653	1
Gm5075	-0,59658	1
Ensa	-0,59671	1
Rbm4b	-0,59669	1
Ppwd1	-0,59691	1
Ruvbl2	-0,59723	1
RP23-331E5.10	-0,59792	1
RP23-58B7.2	-0,59815	1
Tspan13	-0,59828	1
Hmgn5	-0,59866	1
Man1a	-0,59866	1
Gm24991	-0,59883	1
Stom	-0,59929	1
Gm8574	-0,59926	1

Nuak2	-0,59988	1
Cnksr3	-0,60048	1
Rpl18a-ps1	-0,60049	1
Polh	-0,60046	1
Gm9409	-0,60055	1
Gm2225	-0,60125	1
Gm8304	-0,60186	1
Coprs	-0,60213	1
Gm27605	-0,6021	1
Rpl36-ps10	-0,60238	1
Cnih1	-0,60264	1
Dclre1b	-0,60294	1
Gm9727	-0,60293	1
Gm20594	-0,60394	1
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Syce2	-0,6046	1
Bsdc1	-0,60473	1
Nectin1	-0,60475	1
Fam133b	-0,60555	1
Dnajb5	-0,60553	1
Ifnar1	-0,60592	1
Fmr1	-0,60631	1
Map3k14	-0,60643	1
0610040B10Rik	-0,60651	1
Rasa4	-0,60693	1
mt-Co1	-0,60715	1
Gm6977	-0,60715	1
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Med22	-0,60894	1
Gm15464	-0,60897	1
Rpl18	-0,61029	1
Phip	-0,61043	1
Rbm12b2	-0,61068	1
Pmpcb	-0,61103	1
H2-Ob	-0,61116	1
Usp53	-0,61167	1
Rpl30-ps11	-0,61181	1
Gm43010	-0,61207	1
1190002N15Rik	-0,61336	1
5430434F05Rik	-0,61374	1
Plaur	-0,61376	1
Hist3h2a	-0,61386	1
Gm12341	-0,61393	1
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Zbtb37	-0,61409	1
Llph	-0,61453	1
Dgke	-0,61459	1
Rps18-ps3	-0,61457	1
Gm43387	-0,61507	1

R3hdm1	-0,61519	1
Gm10240	-0,61516	1
Mcts2	-0,6153	1
Necap1	-0,6154	1
Mis18bp1	-0,61545	1
Ugdh	-0,61557	1
Gm24927	-0,61641	1
Shcbp1	-0,61669	1
RP23-168F21.4	-0,61693	1
Gm8268	-0,61706	1
Tmem44	-0,61741	1
Iffo1	-0,61805	1
Napb	-0,61835	1
Neurl1b	-0,61838	1
Gm17994	-0,61855	1
Fam76b	-0,61957	1
Slc25a38	-0,61956	1
Col11a2	-0,61991	1
Gm37598	-0,62015	1
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Ctss	-0,62058	1
Fam117b	-0,62063	1
Tmem79	-0,62082	1
Snhg9	-0,62095	1
Fam103a1	-0,62123	1
Mapre2	-0,62151	1
Traip	-0,62146	1
Gm8394	-0,62196	1
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Nr2c2ap	-0,62335	1
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Fos	-0,62338	1
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Dse	-0,62361	1
Gm11343	-0,62383	1
Carf	-0,62423	1
Rpl21-ps12	-0,62427	1
Fbxl12os	-0,62481	1
Gm43878	-0,62555	1
Mir703	-0,62596	1
Tnfaip3	-0,62654	1
Ipp	-0,62663	1
Gm13680	-0,62676	1
Dis3	-0,62721	1
Smim11	-0,62777	1
Gm26930	-0,6278	1
Pigb	-0,6279	1
Gm9378	-0,62808	1
Pradc1	-0,62818	1
Arhgap17	-0,6284	1

Bcl6	-0,62846	1
Cops7a	-0,62861	1
Rps19-ps12	-0,62899	1
Gm43088	-0,62942	1
Zfp955a	-0,62984	1
4921531C22Rik	-0,63002	1
Anpep	-0,63016	1
Sapcd1	-0,63135	1
Gm45084	-0,63154	1
Atp9a	-0,63181	1
lqsec2	-0,63205	1
Yars2	-0,63199	1
Gm44152	-0,63208	1
Bloc1s1	-0,63256	1
Arrdc4	-0,63301	1
Uevld	-0,63343	1
Col4a6	-0,63342	1
Gm12468	-0,63404	1
Gm37522	-0,63491	1
Zfp36	-0,63511	1
Usp1	-0,63551	1
Trmt1l	-0,63546	1
Gm12481	-0,6357	1
Id2	-0,63651	1
Clu	-0,63667	1
Btbd6	-0,63726	1
Ptpru	-0,63731	1
Dvl2	-0,63843	1
Ufsp1	-0,63869	1
Gm45856	-0,63877	1
Aunip	-0,6393	1
Lmn2	-0,63947	1
2810403A07Rik	-0,63957	1
4930522L14Rik	-0,63977	1
Gm45890	-0,63976	1
Depdc1a	-0,64002	1
Gm25636	-0,64008	1
Rps28	-0,6415	1
Mfsd14a	-0,64197	1
Gm13268	-0,64221	1
Dcp2	-0,64228	0,96732
Lin9	-0,64303	1
Ercc6l	-0,64301	1
Tbc1d31	-0,64326	1
Cbfa2t3	-0,64327	1
Gm44916	-0,64328	1
Hist1h4n	-0,64374	1
Skp2	-0,64403	1
Rnf19a	-0,6444	1
Hnrnpa3	-0,64441	1
Gm13532	-0,64444	1
Hps3	-0,64502	1

Gm45167	-0,64528	1
Rpl12-ps1	-0,6454	1
Gm12944	-0,64539	1
Eif4a2	-0,64546	1
Gm15564	-0,6455	1
Katnbl1	-0,64565	0,9208
Gm10327	-0,64563	1
Ppp1r37	-0,64568	1
Rmnd5a	-0,646	1
Pgk1	-0,64661	1
Ttc21b	-0,64698	1
Gm9790	-0,64795	1
Gm12943	-0,64803	1
Gm44198	-0,64842	1
Socs4	-0,64875	1
Gm24924	-0,64876	1
Tsc22d2	-0,64909	0,98263
Irak3	-0,65014	1
Gm2796	-0,65072	1
Btg1	-0,65068	1
Hirip3	-0,65097	1
Rpl19-ps11	-0,65134	1
Tmx2	-0,65143	1
Eif1b	-0,65176	0,88513
Rad54l	-0,65299	1
Rhebl1	-0,654	0,97069
Gm14121	-0,65403	1
Gm8430	-0,65405	1
Rin1	-0,65451	1
Svep1	-0,65453	1
Rrm1	-0,65527	1
Ifi213	-0,65529	1
Ptgs2	-0,65548	1
Gm42783	-0,6555	1
Gm38262	-0,65581	1
4930447F24Rik	-0,65588	1
Gm43096	-0,65635	1
Rpl23a-ps5	-0,65646	1
Csrp1	-0,65665	1
9930012K11Rik	-0,65702	1
Tnfsf9	-0,65697	1
Rgs2	-0,6574	0,8865
Spry2	-0,65813	1
Gm36964	-0,65835	1
Pcna	-0,65887	1
Gm5451	-0,65991	1
Tmco3	-0,6602	1
Gm6136	-0,66017	1
Rps3a3	-0,66038	1
Gins3	-0,66085	1
Dennd4c	-0,66166	1
Ing4	-0,66166	1

Gm7434	-0,66168	1
Mis18a	-0,66182	1
Tial1	-0,66207	0,96329
Mcm2	-0,66248	1
Fam126b	-0,66305	0,96759
Fbxo44	-0,66352	1
Gm14138	-0,66355	1
Enc1	-0,66381	0,95327
Tmem170b	-0,66406	1
B4galt3	-0,66433	0,90696
Nab2	-0,66444	1
Il10ra	-0,66449	1
Gm30074	-0,66478	1
Cdk1	-0,66514	0,77002
Gm5787	-0,66533	1
Rnps1	-0,66536	1
6820402A03Rik	-0,66583	1
Cd300ld	-0,66636	1
Inpp5e	-0,66693	1
Asf1b	-0,66742	1
D830050J10Rik	-0,66784	1
Gm44168	-0,66793	1
Gm7332	-0,66805	1
mt-Tq	-0,66853	1
Gprasp1	-0,66865	1
Dusp1	-0,66898	1
Gm37696	-0,66897	1
Gm44951	-0,66955	1
RP23-243B24.1	-0,66991	1
C130071C03Rik	-0,67015	1
Gm37726	-0,67217	1
Gm26520	-0,67264	1
2900052L18Rik	-0,6727	1
Kcnb1	-0,67267	1
Parp6	-0,67303	1
Ptpn2	-0,67299	1
Gm10074	-0,67297	1
Txn-ps1	-0,67313	1
H60b	-0,67398	0,8641
Rab19	-0,67411	1
Sap18	-0,67448	1
Gm43513	-0,67495	1
Pigg	-0,67534	1
Uimc1	-0,67537	0,96379
H3f3a	-0,67541	1
Cadm1	-0,67565	0,56206
Golga7	-0,67611	1
Gm13573	-0,67697	1
Gm43309	-0,67718	1
Dtymk	-0,67775	0,96638
Rpl39-ps	-0,67822	1
Dnajb6	-0,67831	0,8103

Cldnd1	-0,67835	1
Dennd4a	-0,67895	0,83944
Gm16740	-0,67923	1
Mxi1	-0,67939	0,73206
Dram1	-0,68015	1
Tob1	-0,68026	1
Dab2	-0,6804	0,83797
Hist1h2bc	-0,68117	1
Zfp949	-0,68147	1
1700001P01Rik	-0,68158	1
Snord66	-0,68403	1
Cdkn2c	-0,68415	1
Gm37914	-0,68426	1
Gm45828	-0,68452	1
Vezt	-0,6848	1
Cfap20	-0,68482	1
Dut	-0,68496	0,83566
Hnrnp2	-0,685	1
3110045C21Rik	-0,68507	1
Polr2d	-0,68529	1
Gm37452	-0,68533	1
Gm7964	-0,68528	1
Entpd1	-0,68581	1
Zbtb34	-0,68598	1
Ddias	-0,68598	1
5430421F17Rik	-0,68642	1
Gm7327	-0,68676	1
Rictor	-0,687	0,77314
Pde1b	-0,68723	1
Rep15	-0,68771	1
E230029C05Rik	-0,68777	1
Gm5586	-0,68825	1
Ccsap	-0,68858	1
Dpy19l3	-0,68864	1
Znrf3	-0,68899	1
Ifitm5	-0,68902	1
Gm13181	-0,68916	1
Prkd2	-0,68968	1
Fam13b	-0,68977	1
G430095P16Rik	-0,68993	1
Rbm47	-0,69017	0,81105
Crybb3	-0,69016	1
Dnajb1	-0,69034	1
Gm13215	-0,69104	1
Gm43696	-0,691	1
Swap70	-0,6915	0,87123
Gm20620	-0,69174	1
Tnrc18	-0,69269	0,59642
Fgd2	-0,69266	1
Kif22	-0,69358	1
Zc3h7a	-0,69381	0,8294
H2-Q4	-0,6944	1

Vdr	-0,69492	1
Carhsp1	-0,69502	0,71757
Rpl19	-0,69504	1
E230032D23Rik	-0,69595	1
Daglb	-0,69652	0,72711
Snord49b	-0,6966	1
4930579K19Rik	-0,69656	1
Gm12166	-0,697	1
Ppp2cb	-0,69752	1
Gm7424	-0,6989	1
Kdm3a	-0,69905	1
Ptgs1	-0,69964	1
Lgals3	-0,69999	0,5001
Amn1	-0,70093	1
A530017D24Rik	-0,70134	1
Gm561	-0,7018	1
Pcgf5	-0,70275	1
Tarbp2	-0,70304	1
Mynn	-0,70439	0,9978
Vamp2	-0,70455	1
Lmnbl	-0,70465	0,87204
Zfp932	-0,7048	1
Lsr	-0,70579	1
C130089K02Rik	-0,70589	1
5730405O15Rik	-0,70648	1
Cdca8	-0,70685	0,55536
Tra2a	-0,70697	0,71143
Ncapd2	-0,70738	0,96617
BC030867	-0,70763	1
Jun	-0,70769	1
Zfp940	-0,70832	1
Plekha1	-0,70841	0,64068
Gm26384	-0,70839	0,83534
0610039K10Rik	-0,70935	1
Igf2bp2	-0,7096	0,67986
Gm9645	-0,70996	1
Plekhf1	-0,71032	1
Tpt1-ps5	-0,71075	1
Gm13456	-0,71113	1
Snx25	-0,71109	1
Hmga1-rs1	-0,71117	1
Gm12165	-0,71123	1
Erf	-0,71205	0,70444
Kcnj2	-0,71214	1
Gm44851	-0,71211	1
Cd300lf	-0,71291	1
Ift172	-0,71327	0,9524
B230307C23Rik	-0,71395	1
Gm45033	-0,71532	1
2610203C20Rik	-0,71585	1
Gm38399	-0,71608	1
Rpl29	-0,71605	1

Rpl9	-0,7162	0,931
Dimt1	-0,7162	1
Fam72a	-0,71625	1
Gins2	-0,71639	1
Rpl23a	-0,71712	1
Med31	-0,71758	1
Pim1	-0,71929	0,71757
Sec24a	-0,71925	0,88024
Nup107	-0,71959	1
Osm	-0,71984	1
Zfand2a	-0,72012	0,72936
Msantd2	-0,72022	1
Rny3	-0,72076	0,93193
Gm17249	-0,72102	1
Gm6245	-0,72143	1
Yipf7	-0,72163	1
9130230L23Rik	-0,72183	1
Rps12-ps1	-0,72196	1
Asb11	-0,72243	1
Pts	-0,72251	1
Igfbp4	-0,72266	0,46834
Rpl6	-0,72354	0,94387
Supt20	-0,72472	0,88883
RP23-6C18.6	-0,72503	1
AI506816	-0,72506	1
Hps5	-0,7253	0,98942
Gm42967	-0,72528	1
Sep 02	-0,72649	1
Gm29019	-0,72676	1
Gm45762	-0,72698	1
Hbegf	-0,7284	1
Gm22299	-0,72877	1
Chka	-0,72904	0,84749
C330027C09Rik	-0,72939	1
Nxt2	-0,72958	0,84398
Pfkip	-0,73003	0,58262
2010111I01Rik	-0,7303	0,76327
Dok2	-0,73039	0,52623
Gli1	-0,73062	1
C730045M19Rik	-0,73073	1
Pard6b	-0,73092	1
Tor1aip2	-0,73188	0,50413
Mdm1	-0,73261	1
Gm29488	-0,7326	1
Gm45853	-0,73283	1
Terf1	-0,73319	1
Grcc10	-0,73324	1
Gm20900	-0,73355	1
Gm13602	-0,73358	1
Gm7027	-0,73474	1
Gm4617	-0,73482	1
Nusap1	-0,73534	0,74256

2410080I02Rik	-0,73536	1
E2f8	-0,73544	1
Gm37423	-0,73561	1
Gm10036	-0,7361	1
Gm4890	-0,73612	1
Mcm5	-0,73626	0,9217
1700052K11Rik	-0,73677	1
Rpl21-ps1	-0,73682	1
Tmsb10	-0,73689	1
H2-K2	-0,7371	1
Gm4613	-0,73721	1
Emc4	-0,73752	1
Gm12276	-0,73784	1
Phf13	-0,73824	0,90232
Plk4	-0,73869	1
Cenpe	-0,74074	0,47351
Cdc42ep3	-0,74082	1
F11r	-0,74092	1
1700003G18Rik	-0,7415	1
Ccdc163	-0,74157	0,96096
Oaz1	-0,74206	1
Gpam	-0,74248	1
Blm	-0,74326	0,88313
Gm37399	-0,74361	1
Gm6177	-0,74392	1
Gm5841	-0,74426	1
Nkapl	-0,74511	1
4732440D04Rik	-0,74528	1
Gm16585	-0,74528	1
Eif3m	-0,7454	1
Asb10	-0,74629	1
1700012D14Rik	-0,74668	1
Bend3	-0,74891	1
Gm26826	-0,74911	1
Mxd1	-0,74976	0,77002
E130201H02Rik	-0,74984	1
Dbndd2	-0,75057	1
C130026I21Rik	-0,75096	0,71334
Spink10	-0,75142	0,78947
Rab4a	-0,75185	1
Gm44884	-0,75179	1
Mmaa	-0,75221	1
Cenpi	-0,75231	1
Gm37009	-0,75244	1
Adrb2	-0,75469	1
Gm7990	-0,75494	1
Pcdhgc4	-0,75534	1
Gm38009	-0,75552	1
Suco	-0,75592	0,26947
Nsa2	-0,75618	1
Rpl36a-ps3	-0,75719	1
Gm16238	-0,7572	1

Per1	-0,75764	0,70014
Gm8326	-0,75789	1
Fanci	-0,75818	1
Sertad3	-0,75827	0,75886
Hcar2	-0,75861	1
Gm26397	-0,75959	1
9330162G02Rik	-0,75973	1
RP24-418P10.4	-0,76043	1
Dpep2	-0,76079	0,87663
6330403N20Rik	-0,76105	1
Ak4	-0,7613	0,47814
Hmgb1	-0,76135	1
Tmem64	-0,76148	0,33814
Gm2735	-0,7619	1
Taf6	-0,76252	0,56167
Gm11531	-0,76277	0,96638
Bcl6b	-0,76364	1
Hoxb6	-0,76377	1
Syne3	-0,76464	0,56731
Cntrob	-0,76472	1
Dclre1a	-0,76478	1
Gm4859	-0,76528	1
Snord118	-0,76536	1
Dedd2	-0,7661	0,5001
Gm38082	-0,76609	0,85958
Myl6b	-0,76755	1
Gadd45a	-0,7678	1
4930520O04Rik	-0,76861	1
Ilf2	-0,76929	0,55536
Gigyf1	-0,76953	0,79487
Rpl27	-0,76951	1
Btbd1	-0,76977	0,50071
Tusc3	-0,76993	0,54403
Gm13340	-0,76993	1
Gm4987	-0,76997	1
Rps6-ps3	-0,77025	1
Cdc25c	-0,77131	1
Atxn7l2	-0,77151	1
Gm10784	-0,77241	1
Proscos	-0,77253	1
Eno1b	-0,77286	1
Haus6	-0,77304	0,60141
Gm37621	-0,77413	1
Gm17034	-0,77436	1
Gm4866	-0,77457	1
Gm6023	-0,77542	0,78947
B130021K23Rik	-0,77569	1
AA465934	-0,7759	1
Gm8825	-0,776	1
Zfp652os	-0,77627	1
4930503L19Rik	-0,77686	0,57587
Gm9506	-0,77758	1

Mbd4	-0,7777	0,76396
Gpcpd1	-0,77806	0,74314
Gm25541	-0,77819	1
H2afv	-0,77894	0,52313
Gm37084	-0,77925	0,73623
Letm2	-0,77934	0,97223
Tpt1	-0,77987	0,59942
Dna2	-0,78123	0,7894
Trmt112-ps2	-0,78118	1
Apba3	-0,78228	1
Cd274	-0,78234	1
Trmt13	-0,78263	0,64761
Tex30	-0,78303	0,82002
Selenop	-0,78467	1
RP23-308G10.5	-0,78497	1
Gm11970	-0,78509	0,70318
Yjefn3	-0,78537	1
Gm2308	-0,78577	1
Ncapg2	-0,78672	0,77607
Smtn	-0,78752	1
Gm43201	-0,78831	1
Eef1a1	-0,78855	1
Tnfsf12	-0,78961	0,73623
Lzic	-0,7898	0,94921
N4bp2	-0,7902	0,83534
Prdm10	-0,79067	1
Hmga1	-0,79067	1
Gm43788	-0,79081	1
Gm42986	-0,79086	1
Mapk6	-0,7916	0,3622
Sc1t1	-0,79192	1
Syne2	-0,79224	1
Rccd1	-0,79313	1
Tia1	-0,79366	0,78044
Efr3b	-0,79382	0,7424
Gm26132	-0,79428	1
Insig1	-0,79501	0,81281
Sag	-0,79521	1
Hdac1	-0,79563	1
Gm11878	-0,79567	1
mt-Tl1	-0,79583	1
Prc1	-0,79607	0,36557
Ltb	-0,79628	0,83328
Gm43774	-0,7964	1
Unc5b	-0,79653	1
Gm43524	-0,7968	1
Ezh2	-0,79714	0,28529
4930518I15Rik	-0,79778	1
C3ar1	-0,79848	0,99816
Dhx9	-0,79867	0,83925
Gm36936	-0,79879	1
Gm26782	-0,7989	1

RP23-36H21.3	-0,79965	1
AW554918	-0,79973	0,75617
Gm43178	-0,80088	1
Gpr137b-ps	-0,80095	0,58551
1500011K16Rik	-0,80115	0,83223
Gm10923	-0,80146	1
Gm12174	-0,80146	1
Gm44510	-0,80148	1
Pdcd7	-0,80172	0,55554
Itgb3bp	-0,80186	1
Gm24916	-0,8021	0,98709
Gm26652	-0,80281	0,94222
9930111J21Rik2	-0,80307	1
Gm7832	-0,80392	1
Psmc3ip	-0,80452	1
RP23-440I21.3	-0,80642	1
4933439C10Rik	-0,80655	0,97037
Tpx2	-0,80694	0,37554
Bnip3l	-0,80687	0,65354
Wdr70	-0,80812	0,59642
Gm45902	-0,80824	1
Cfap126	-0,80921	1
Epha2	-0,81098	0,90096
Kdm4c	-0,81108	1
Gm6526	-0,81123	1
Numb	-0,81129	0,68571
Klhl28	-0,81204	0,79349
Dnajc19	-0,81202	1
Gm6913	-0,81213	1
Tet2	-0,81216	0,55939
Nrp1	-0,81243	1
Rassf2	-0,8129	0,22603
Gm14830	-0,81351	1
Gm8337	-0,81455	1
Rpl13a-ps1	-0,81519	0,56521
AC133103.1	-0,81524	0,5821
Cks1b	-0,81567	0,12416
Gm43133	-0,81602	1
Top2a	-0,81612	0,28147
RP23-88C11.5	-0,81679	1
Clec12a	-0,81907	0,22104
Ccdc18	-0,81942	1
Btf3	-0,81987	1
Rnf145	-0,82043	0,089229
Bub1b	-0,82076	0,35995
Gm5835	-0,82109	1
Clec10a	-0,82177	0,6143
Mogat1	-0,82224	1
Exoc3l	-0,82249	1
Gm18943	-0,82363	1
Gm38120	-0,82383	0,98369
Rsrp1	-0,82407	0,55536

Ypel2	-0,82535	0,78947
5830454E08Rik	-0,82537	1
Usp50	-0,82543	1
Pmf1	-0,82573	0,41706
Ftl1	-0,82612	1
Rnf24	-0,82674	0,64907
Calm1	-0,82689	0,038839
Hsp90aa1	-0,82694	0,36925
Ppp1r35	-0,82735	1
Gm17039	-0,82995	1
Eldr	-0,83008	1
Bbc3	-0,8302	0,41205
Gm4968	-0,83063	1
Mcm6	-0,83075	0,37676
Gm6524	-0,83078	1
Atp8b2	-0,83117	0,50876
Gm43544	-0,83142	1
D930030I03Rik	-0,83157	1
Gm16439	-0,83157	1
RP23-307F3.6	-0,83342	1
Tgfb1	-0,83411	0,40598
Gm22973	-0,83432	1
Nuf2	-0,83482	1
1700120C14Rik	-0,83513	1
Gm16540	-0,83663	1
Arf2	-0,83716	0,10072
Ndc80	-0,83751	0,86757
Gm45716	-0,83752	1
Zbtb11os1	-0,83814	1
Gm37699	-0,8391	1
Sh2d5	-0,84085	0,78947
Alms1	-0,84218	1
Serpine1	-0,84301	0,20711
B330016D10Rik	-0,84407	1
Gm8423	-0,84494	1
Aurkb	-0,84596	0,72711
Cdca2	-0,8465	0,57901
Rnf130	-0,84724	1
Gm6564	-0,84734	1
Snx13	-0,8481	0,53025
Atad5	-0,84808	1
Rnf144b	-0,84833	0,7894
Gm42635	-0,84847	0,8294
Star	-0,84854	0,90307
Gm35931	-0,8489	1
Rpl21-ps14	-0,84996	1
Gm26461	-0,85063	1
A630072M18Rik	-0,85123	1
Tma7	-0,85178	1
Dgkh	-0,85229	0,99864
Dnah8	-0,8527	1
2610528A11Rik	-0,85326	1

B3gat3	-0,85509	0,36562
St3gal6	-0,8557	0,12613
Aspm	-0,85727	0,62373
Gm43411	-0,85726	1
H2-T23	-0,85739	1
Zfp280d	-0,85763	0,36421
H3f3b	-0,85773	0,50876
Rhoh	-0,85803	1
Ncapg	-0,85891	0,60936
Pth1r	-0,8593	1
Cd9	-0,86016	1
Gm26698	-0,86032	1
Gm6598	-0,86044	1
RP23-162P10.8	-0,8606	0,60488
Xxylt1	-0,86068	1
Gm9381	-0,86087	1
Gm9769	-0,86097	1
Hist2h2ac	-0,86097	1
Rpl27-ps3	-0,86123	1
Gm6266	-0,86132	1
Gm19898	-0,86154	0,97037
Ppfia4	-0,86179	0,72711
H2-T22	-0,86182	0,78395
Spaca6	-0,86214	0,72206
Gm42724	-0,8634	0,98709
Gm5776	-0,86363	1
Snhg8	-0,86378	0,73206
Smc4	-0,86405	0,13201
Ube2n	-0,86431	0,72936
1810026B05Rik	-0,86455	0,43983
A430110C17Rik	-0,86537	1
2810002D19Rik	-0,86546	1
Gm1840	-0,8663	0,71431
Gm38115	-0,86713	1
Mad2l1	-0,86716	0,8103
Cep57l1	-0,8679	0,71143
Kif20a	-0,86853	0,70665
B430305J03Rik	-0,86931	1
Kif4	-0,86996	0,98095
B930086L07Rik	-0,87034	0,60975
Dnajb4	-0,87096	0,1096
Gm45133	-0,87112	1
Gm37706	-0,87154	1
Slc19a2	-0,87219	1
Gm37255	-0,87218	1
Scarna17	-0,87305	1
Gm14006	-0,87353	1
Gm8203	-0,87357	1
Gm8618	-0,87469	0,57651
Rassf1	-0,87482	0,13396
Ankrd52	-0,87521	1
Gm37728	-0,87538	1

Kif11	-0,87687	0,62373
2610037D02Rik	-0,87689	1
Anxa1	-0,87698	1
Zfp619	-0,87716	1
Fam162a	-0,87745	0,08331
Gm12240	-0,87754	1
Gm17251	-0,87851	1
Sdc4	-0,8786	0,15331
Gm12248	-0,87869	1
Bnip3	-0,87948	0,11091
Gm10263	-0,87946	1
Psenen	-0,87997	0,89504
Rpl35a-ps4	-0,88036	1
Gm26710	-0,88039	1
Gm19620	-0,88056	1
Gm37060	-0,88123	0,4825
Gm3550	-0,88156	0,89288
Gm8925	-0,88155	1
Gm7206	-0,88467	1
Gm13349	-0,88481	1
Cped1	-0,88619	1
Snhg20	-0,88676	0,27566
Pgf	-0,88701	1
Gm16046	-0,88741	1
Zdhhc18	-0,88748	0,28223
Taf5	-0,88749	0,65668
Lbr	-0,8881	0,040201
2700097O09Rik	-0,88814	0,89612
Rhoc	-0,89076	0,020792
Cox20	-0,89112	0,30021
Khk	-0,89156	0,11313
Srsf1	-0,89229	0,32557
Prpf39	-0,89247	0,22039
Ly86	-0,89275	0,22239
RP24-460E12.3	-0,89491	1
Gm13464	-0,89516	1
Selenbp1	-0,89534	0,4493
Gm14094	-0,89605	1
P4ha2	-0,89673	0,66833
Kif23	-0,89949	0,038839
H2-Q6	-0,90009	1
RP23-70B19.5	-0,90021	0,98709
Zg16	-0,90044	1
Zfyve26	-0,90052	0,36925
Hist1h1e	-0,90148	0,24839
Gm43637	-0,90207	1
Cdkn2d	-0,90218	0,087239
Gramd4	-0,90254	0,5821
BC024386	-0,90285	1
Map3k8	-0,90322	0,30045
Zfp326	-0,90364	0,11583
Gm1862	-0,9042	1

Gm3283	-0,90425	1
Timm23	-0,90439	1
Gm7363	-0,9045	1
Gm12618	-0,9048	1
Plin2	-0,90607	0,10422
Tacc3	-0,90751	0,46137
Rad51	-0,90758	0,83586
Gm15832	-0,90792	0,68183
Gm6134	-0,90811	0,90307
Tspan32	-0,90816	1
Higd1a	-0,90848	0,61599
Gm13140	-0,90853	1
RP24-282C4.3	-0,90861	1
Gm26610	-0,90879	1
Gm42748	-0,90925	0,72711
Gm16288	-0,90964	1
Gm38062	-0,9097	1
Gm42559	-0,91046	1
1500015A07Rik	-0,91075	0,73374
Plau	-0,91147	0,23171
Cenpf	-0,91414	0,15485
Gm26737	-0,91475	1
Arhgap11a	-0,91496	0,22812
Gm15596	-0,91587	1
Lgals4	-0,91612	1
Fbxl14	-0,91618	1
RP24-378K7.3	-0,91633	1
Zfand4	-0,91733	1
Rasd1	-0,91781	1
Rassf3	-0,91808	0,36156
Gm45185	-0,91833	1
Gm43848	-0,91873	0,64653
Ptrf	-0,91905	1
Gm7299	-0,91939	1
Arhgef39	-0,91998	0,25042
RP24-496O17.7	-0,92088	1
Raf1	-0,92148	0,59642
Hmgb1-ps8	-0,92273	1
Nr4a1	-0,92362	0,9978
Spag5	-0,92373	0,63975
Gm5045	-0,92383	1
Spsb2	-0,92556	0,50487
Etv5	-0,92599	0,59311
Gnrh1	-0,9263	1
Fbxo5	-0,92733	0,72711
Fzd5	-0,92816	0,36159
Gm6472	-0,9294	0,66234
Zcchc24	-0,93084	0,46834
Krtcap3	-0,93183	1
Actg1	-0,93259	1
Gm38067	-0,93384	0,87905
Hcfc1r1	-0,93418	0,015346

Adh5	-0,93512	0,097225
Gm15207	-0,93543	1
Kctd6	-0,93608	0,46834
Gdap10	-0,93642	0,72917
Iscu	-0,9365	0,36423
Ckap2l	-0,93681	0,29958
Rps13-ps1	-0,93681	1
Gm8624	-0,93716	1
Dtl	-0,94042	0,38929
Gm13050	-0,94131	0,89638
H2-T10	-0,94142	1
Gm2076	-0,9415	1
Gm11281	-0,94218	1
Gm5362	-0,94245	1
Spc25	-0,94271	0,23407
Spc24	-0,94342	0,49447
Ppp1r2	-0,94553	0,18853
Mgst3	-0,94559	0,82395
AA386476	-0,94607	1
RP24-351I17.3	-0,94632	1
Gm12164	-0,94666	1
Rpl6l	-0,9475	0,88182
Ybx1-ps2	-0,9476	1
Tgif2	-0,94812	0,28189
Eno2	-0,94907	0,11705
Ccna2	-0,95031	0,1888
Rmrp	-0,95059	1
Gm45184	-0,95107	0,49575
Gm5801	-0,95118	1
Rusc2	-0,95144	0,65088
Egln1	-0,95159	0,02137
Gm2531	-0,95156	0,61599
RP23-325K4.10	-0,95295	0,22307
4930589L23Rik	-0,95336	1
Gm43328	-0,95348	1
Rps6-ps4	-0,9536	1
Gm37334	-0,95358	1
mt-Ti	-0,95399	1
Gm13567	-0,95494	1
Rgs9bp	-0,95519	1
Lonrf3	-0,95547	0,14975
Gm26497	-0,95598	1
Gbe1	-0,95614	0,17265
Gm43484	-0,95663	0,54605
Gm44270	-0,95656	1
Ccl6	-0,95663	1
Mrps18b	-0,95736	1
Snhg6	-0,9576	1
Mettl17	-0,95821	0,42618
2810013P06Rik	-0,95842	0,52766
Wdfy2	-0,95963	0,85458
Snord110	-0,95973	1

Gm9844	-0,95979	1
Gm26533	-0,96024	1
Gm29994	-0,9605	1
Tomm40l	-0,96056	0,39489
Myc	-0,96089	1
Gm23346	-0,96098	0,86356
Gm38043	-0,9611	0,89877
RP23-23P9.3	-0,96136	1
Pole2	-0,96181	1
Gm15289	-0,96229	1
Gm15950	-0,96278	0,84825
Gm37183	-0,96316	0,60134
Cdc20	-0,96347	0,10367
Uhrf1	-0,96361	0,83961
Gm12643	-0,9649	1
Mcm3	-0,96514	0,15014
Tnfrsf17	-0,96608	0,81105
3110056K07Rik	-0,96736	1
Ormdl3	-0,96746	0,17162
Gm37354	-0,96793	1
Zfp36l1	-0,96864	0,15975
6030442K20Rik	-0,96876	1
Bvht	-0,97003	0,96844
Gm34121	-0,9707	1
A830073O21Rik	-0,97173	1
Fau	-0,97303	0,58035
Cchcr1	-0,97393	1
Gm43628	-0,9745	1
Gm26202	-0,97474	1
Slc25a40	-0,97559	0,097693
Dsn1	-0,97564	0,65521
RP23-149L23.1	-0,97634	1
Mtfr2	-0,97857	1
Hmmr	-0,97939	0,22104
Rbl1	-0,97977	0,34819
Gm43795	-0,98004	0,73206
Pin4	-0,98215	1
1700007K09Rik	-0,98265	1
RP23-115A18.3	-0,9827	0,92641
Gm7336	-0,98278	1
Klf2	-0,98286	0,52766
Gm5445	-0,98355	0,7899
Ddx20	-0,98391	0,11705
4930404I05Rik	-0,98518	1
Klf4	-0,98681	0,052132
Pmp22	-0,98688	0,019275
AV356131	-0,98686	0,10072
Gm43329	-0,98686	0,75886
Ankrd55	-0,98687	1
Hist1h1d	-0,98744	1
RP24-365N15.9	-0,98754	1
Itga11	-0,98803	1

Gm45137	-0,98816	1
Chst1	-0,98975	0,56731
Arsb	-0,98988	0,27438
Cytip	-0,99187	1
Fam174a	-0,9923	0,045485
Gm38299	-0,99228	1
Gm38192	-0,99319	1
D830025C05Rik	-0,99325	0,92834
Tpi1	-0,99397	0,010493
Otud1	-0,9961	1
Gm43343	-0,99621	0,77437
6430710M23Rik	-0,99619	1
Prr18	-0,99658	0,42618
Gm44913	-0,99677	0,48921
E330034L11Rik	-0,99712	0,24739
Gm43294	-0,99707	1
Gpn2	-0,99723	0,89231
Cldn11	-0,99789	0,098166
Gm11448	-0,99815	1
Gm13092	-0,99931	1
Ccdc117	-1,0011	0,05206
RP24-240E7.1	-1,002	0,57651
Sgol2a	-1,0021	0,099541
Gm43560	-1,0021	1
Gm17494	-1,0032	0,65258
AA914427	-1,0033	1
Pold1	-1,004	0,31484
Gm7561	-1,0058	0,99275
Arrdc3	-1,0064	0,27821
4933437G19Rik	-1,0065	1
2700038G22Rik	-1,0082	1
RP24-282C4.4	-1,0092	1
Gm37219	-1,0094	1
4931440P22Rik	-1,0096	0,53025
Gm8885	-1,0098	1
4930563E22Rik	-1,0123	1
Psd2	-1,0131	1
P4ha1	-1,0138	0,0092751
Ulbp1	-1,0139	0,037646
Gm26670	-1,014	1
Gm7600	-1,0161	1
Gm42979	-1,0183	0,51571
Nup205	-1,0185	0,30189
Lilrb4a	-1,0189	0,40376
Gm11826	-1,0207	0,68707
Gm5100	-1,022	1
Gm38387	-1,0241	1
Gm10717	-1,0252	1
Bloc1s3	-1,0255	0,83888
Gm37486	-1,0262	1
Kif21a	-1,0266	1
Glt1d1	-1,0278	0,997

Zfp773	-1,028	0,472
Gm14013	-1,0294	1
Map3k12	-1,0307	0,32186
Arrdc2	-1,0315	0,20916
Gm16754	-1,0319	0,12643
Amd2	-1,0325	0,94415
Alpk2	-1,0332	1
Jup	-1,035	1
Ccl4	-1,0372	0,012307
Gm14633	-1,0374	1
Ap1s3	-1,0375	0,052379
Gm37105	-1,038	0,92368
1700029J07Rik	-1,0399	0,9978
Slc25a25	-1,0406	0,19929
Pabpn1	-1,0412	0,6061
Gm21781	-1,0423	0,71135
Gm43775	-1,0426	0,45627
Snord104	-1,0433	0,064983
mt-Nd6	-1,0433	0,29464
Fancb	-1,0437	1
Gm16310	-1,044	0,7377
Senp3	-1,0442	0,20218
Pmaip1	-1,0446	0,096692
Brip1	-1,0452	0,65258
Gm42786	-1,0458	1
Gm43794	-1,0474	0,46834
Nsa2-ps2	-1,0476	1
Gm11625	-1,0495	1
Zfp101	-1,0504	0,56432
Arhgap39	-1,0506	0,56497
Mb21d1	-1,0514	0,0022078
Hist1h2be	-1,0551	0,82126
4833412K13Rik	-1,0555	0,11683
Slc27a3	-1,0555	0,46062
Nadk2	-1,0563	0,18781
Gm37902	-1,0571	1
Gm37963	-1,0585	1
Gm15779	-1,0587	0,86407
Gm37352	-1,059	0,88313
Tdrd7	-1,0602	0,84763
C130013H08Rik	-1,0604	1
Kifc1	-1,061	0,25347
Pclaf	-1,0621	0,034003
Tpt1-ps3	-1,0629	0,98263
Pea15a	-1,0636	0,053019
Racgap1	-1,0651	0,028673
Gm45729	-1,0655	1
Ccdc58	-1,0665	0,072689
Rplp1-ps1	-1,0672	1
Cdh23	-1,0686	1
B230317F23Rik	-1,0687	1
Cdc7	-1,0689	0,5821

Nfil3	-1,069	0,2328
Wdr54	-1,0691	0,64308
Ska3	-1,0702	0,48128
Gm14323	-1,0704	1
Gm11516	-1,0709	1
Gm37383	-1,0716	1
Gm45311	-1,0718	1
Luc7l3	-1,0727	0,031586
Ska2	-1,0727	0,42498
E2f7	-1,0743	0,88313
Gm5837	-1,0746	0,9392
Gm15441	-1,0746	1
Hist1h1c	-1,0756	0,060635
B230216N24Rik	-1,0762	0,37318
Fam83d	-1,0765	0,81271
5033430l15Rik	-1,0769	1
Slc12a5	-1,0793	0,53025
Gm43868	-1,0796	1
Figl1	-1,0815	0,52766
Rasgef1b	-1,0826	0,071379
Pttg1	-1,0835	0,023228
Mcm10	-1,0835	0,73988
Gm12758	-1,0836	1
Gm7353	-1,0842	1
Rpl36-ps4	-1,0858	0,78025
Gm10616	-1,0882	0,48112
Gm10343	-1,0884	0,64761
Gm45051	-1,0885	1
Gm15834	-1,0891	0,48102
Gm14585	-1,0893	1
Hist2h3c2	-1,0895	0,81268
Mafk	-1,0898	0,051479
Tmem240	-1,09	0,86757
Acrbp	-1,0903	0,46371
Gm4832	-1,0903	1
Gm15937	-1,0925	1
Ntrk3	-1,0929	1
Ncapd3	-1,0935	0,05433
Rpl30-ps3	-1,094	0,20049
Gm37906	-1,0947	0,50713
Cox7c	-1,0951	0,87961
Gm14130	-1,0964	1
Rps19-ps8	-1,097	1
Gm5277	-1,0979	0,65521
4930532G15Rik	-1,0983	1
Bub1	-1,0984	0,11477
RP23-356D13.9	-1,0984	1
A130014A01Rik	-1,0994	0,43702
Rpl17-ps4	-1,1005	0,97852
Fam26f	-1,1006	1
Mcm7	-1,1033	0,033583
Rpl31-ps22	-1,104	1

Tmcc3	-1,1069	1
Gm37959	-1,1077	0,53025
Nek2	-1,109	0,61516
Rhob	-1,1097	0,50794
Gm38297	-1,1099	1
Klf11	-1,1133	0,29196
RP24-550H10.3	-1,1136	0,52136
Ptchd1	-1,114	0,008654
Gm28404	-1,114	0,5821
Rc3h1	-1,1143	0,017752
Rpl27a-ps1	-1,1147	0,87765
L1cam	-1,115	0,71135
Spp1	-1,1172	0,17188
Olfr912	-1,1173	1
Pdgfb	-1,1177	0,3048
Csrnp1	-1,1187	0,013644
S100a3	-1,1189	0,94387
Taco1os	-1,1197	1
Gm45343	-1,1207	0,23074
Gm43447	-1,1226	1
Rpl28-ps3	-1,1227	0,86648
Gm4963	-1,1289	1
Cenpw	-1,1328	0,012679
Rpl23a-ps2	-1,134	1
Snord7	-1,1348	1
Nudt8	-1,136	0,96096
Hba-ps4	-1,1379	1
Rps4x	-1,1406	0,82085
mt-Ts2	-1,141	1
Etv3	-1,1421	0,012854
Gm12778	-1,1425	0,84398
Lockd	-1,1428	0,097225
Hnrnpa1	-1,1466	1
Gm5900	-1,1466	1
Fastkd1	-1,1471	0,11785
Gm37140	-1,1474	1
Arntl	-1,1488	0,02176
Dhx58	-1,1489	0,063099
Cit	-1,149	0,24847
Aif1	-1,1493	0,48797
Gm37733	-1,1497	0,72103
Wdr62	-1,15	0,99501
Gm7266	-1,1502	0,7213
Gm37490	-1,1508	0,85844
Gm12940	-1,1509	1
4931428F04Rik	-1,1514	0,71496
Pot1b	-1,1525	1
Gm38190	-1,1532	0,92981
Birc5	-1,1536	0,0019319
Gm42522	-1,1538	1
Gm7984	-1,1539	1
Cenpk	-1,1542	0,3114

Cd300c2	-1,1549	0,0075112
Gm6969	-1,1559	1
Hs3st3b1	-1,156	0,87765
Pcna-ps2	-1,1567	0,6684
RP24-282K24.4	-1,1574	1
Gm44093	-1,1575	1
Anln	-1,1592	0,096692
Gm9568	-1,1605	1
Cks1brt	-1,1617	1
Gm42731	-1,1619	1
Gm9256	-1,162	0,99864
Lin54	-1,1636	0,051202
A630081D01Rik	-1,1641	1
2900093K20Rik	-1,1665	0,057675
Gm44126	-1,1672	1
Ano7	-1,169	0,83449
Hspa8	-1,1697	0,72711
Snord83b	-1,1697	0,9457
Wdhd1	-1,1713	0,071345
Fam64a	-1,1721	0,043959
Zfp36l2	-1,1722	0,068048
Smc2	-1,1725	0,00187
Oaz1-ps	-1,1727	0,77314
Polr2l	-1,1731	0,079663
Rps16	-1,1736	0,64261
Gm14040	-1,1745	1
Sgol1	-1,1747	0,21553
Gsg1	-1,1766	0,28147
Gm44777	-1,1769	1
Gm38319	-1,1779	1
Ank3	-1,183	1
Adamts1	-1,1838	0,41292
Lsp1	-1,1845	0,0045877
Tsc22d3	-1,1845	0,061498
Gatsl2	-1,1855	0,00089493
Sirpa	-1,1871	0,00089358
Zfp174	-1,1892	0,87905
Slfn3	-1,1893	0,77002
Zwilch	-1,1896	0,36421
Gng8	-1,1937	1
Ttk	-1,194	0,048201
Gm5124	-1,195	1
Gm4754	-1,1966	1
Gm37510	-1,1966	1
Zfp367	-1,197	0,022012
RP24-324J2.1	-1,1974	1
Gm37303	-1,1983	0,9978
Zic2	-1,1994	0,30393
Dkk1	-1,1996	1
Gm10801	-1,2006	1
Gm43482	-1,2011	0,15482
Gm37465	-1,2013	0,73206

Gm43727	-1,2022	0,83205
Zscan21	-1,2034	0,2328
Gm42851	-1,2047	1
9930104L06Rik	-1,2063	0,78044
Gm5257	-1,2065	1
Mki67	-1,2069	0,01491
Tnnt3	-1,2073	0,50309
Kif15	-1,2082	0,064983
Gm5921	-1,2094	1
Tmod1	-1,2114	0,12416
Nemp1	-1,2142	0,012682
Gm7099	-1,2148	0,66234
Gm37747	-1,2163	1
Gm7514	-1,2164	1
Gm37519	-1,2167	1
Pfkfb2	-1,2173	0,42696
Gm15785	-1,2223	1
Gm43800	-1,2252	1
Gm12005	-1,2255	0,93298
A730071L15Rik	-1,2261	1
Gm8667	-1,2268	0,77603
Frat2	-1,2276	0,0085486
Gm28578	-1,2277	0,61302
Cd9-ps	-1,2279	1
Abcg4	-1,2294	0,97852
Gm25008	-1,2302	0,84825
Dlgap5	-1,2317	0,42231
Gm37106	-1,2335	0,8294
Gm5302	-1,2359	0,98791
Nrxn3	-1,238	0,72206
Cox20-ps	-1,2382	0,0073895
4930579G24Rik	-1,2404	0,67986
Dcstamp	-1,2406	0,041367
Slc22a13b-ps	-1,2433	1
Ttc25	-1,2442	0,89832
Gm16630	-1,2457	1
4932416K20Rik	-1,2476	0,63862
Gm37795	-1,2482	0,39516
Ska1	-1,2505	0,0030276
Gm17108	-1,2505	0,76289
Anxa2	-1,2513	0,0018282
Gm10388	-1,2548	0,36621
RP23-402A24.3	-1,2551	0,7965
Xirp1	-1,2552	0,77607
RP23-38L16.3	-1,2556	0,1655
Gm27043	-1,2561	1
Trim59	-1,2567	0,099593
Gmnn	-1,2587	0,053019
Gm25857	-1,2609	0,88313
Gm45153	-1,2642	0,43619
Gm45407	-1,2683	0,47239
Gm11759	-1,272	0,78044

S100a8	-1,2727	0,67047
Mrps28	-1,2754	0,78584
Ube2t	-1,2757	0,018938
Gm24631	-1,2759	0,89612
Gm14057	-1,2768	1
RP23-442M18.5	-1,2776	0,76329
Zmynd10	-1,2814	0,70665
Fancd2	-1,2815	0,13964
A430027C01Rik	-1,2819	0,83534
B930036N10Rik	-1,2828	0,78044
Ost4	-1,2829	0,154
Tmem107	-1,2841	0,055958
Gm28424	-1,2849	1
Hlx	-1,2853	0,70665
Kntc1	-1,2868	0,61483
Gm45855	-1,2874	1
Hist1h2bg	-1,2891	1
Gm24276	-1,292	0,0054589
Tiparp	-1,2929	0,0054589
Troap	-1,293	0,10925
Ang	-1,2949	0,089229
Ezr	-1,2964	0,00028352
Adgre5	-1,2966	0,70393
Rps19-ps6	-1,2981	0,57651
Rpl30-ps9	-1,2981	0,74533
Lhx5	-1,299	0,84398
Adam9	-1,3018	0,38872
Gm45534	-1,3024	0,71813
Tnfrsf12a	-1,3046	0,0080108
RP24-295J1.1	-1,3071	1
Cfh	-1,309	0,0076129
C230096K16Rik	-1,311	0,33679
Gm45266	-1,3111	0,76329
Sdc3	-1,3138	9,36E-05
Rpl35a-ps5	-1,3151	0,1127
Gm36930	-1,3159	0,70728
2610020C07Rik	-1,3163	0,9978
Rpl36-ps8	-1,3164	0,98277
Gm45358	-1,3169	0,78947
Hist1h2bp	-1,3177	1
Dleu2	-1,319	0,038097
Rasl2-9	-1,3195	0,78947
Hmgb1-ps5	-1,3234	0,73777
RP23-159E10.1	-1,3238	1
Gm19272	-1,3292	1
Gm14239	-1,3302	0,10771
Gm12380	-1,3308	0,80618
Gadd45b	-1,333	0,0098535
Ier5	-1,3334	0,00041714
Bloc1s6os	-1,3359	0,68034
Snrpf	-1,3361	0,23047
Ifitm1	-1,3366	0,79006

Rhov	-1,3403	0,38458
Cog3	-1,3407	0,56894
Gm15798	-1,3416	0,6631
Polq	-1,3417	0,46834
Rps19-ps11	-1,3424	0,33803
C330011M18Rik	-1,3428	1
mt-Ta	-1,3431	1
Vaultrc5	-1,3434	0,0012318
Basp1	-1,3446	0,005896
Fn1	-1,3451	0,042179
Rybp	-1,3475	0,92481
Cks2	-1,3484	1
Gm5312	-1,3487	0,54707
A430010J10Rik	-1,3493	1
Paqr5	-1,3506	0,94659
Unc13a	-1,3553	0,039629
Gm11263	-1,3554	0,94354
Gm15644	-1,3557	0,42696
BC028528	-1,3585	0,029362
Iqgap3	-1,3596	0,019434
G2e3	-1,3601	0,0010832
Rbm3	-1,3607	0,56824
Rpl12	-1,3635	0,017975
Pfkfb3	-1,3644	0,0054589
Rnf122	-1,3669	0,32557
5930420M18Rik	-1,3686	1
Eno1	-1,3704	0,019275
Gm2011	-1,3716	0,52766
Snord89	-1,3717	0,10156
Gm28555	-1,3719	0,0062023
Rnu11	-1,3747	0,4277
Tspan33	-1,3758	0,96844
Gm23344	-1,3768	0,644
Hist1h1a	-1,378	1
Gm11363	-1,3816	0,32692
Sap30	-1,3836	0,0069674
Gm15728	-1,3842	0,13964
Gm28791	-1,3854	0,15021
Ddah2	-1,3857	0,22239
Pif1	-1,3879	0,014798
Gm8292	-1,3897	0,0079839
Gm2467	-1,39	0,98162
Gm42819	-1,3914	0,10072
Gm2830	-1,3918	0,031586
Gtse1	-1,3928	0,020534
Gm37065	-1,3929	0,81016
Gm15541	-1,395	1
Gm43714	-1,3981	0,95327
Gm38022	-1,3986	0,64761
Gm6612	-1,4	0,94354
Plk2	-1,4024	0,1344
RP24-131G14.13	-1,4081	0,02413

Ddit4	-1,4101	0,0022078
Gm8210	-1,413	0,9978
Ckap2	-1,4149	0,019434
Atp5g1	-1,4167	0,0060825
Gm15503	-1,4197	0,1096
S1pr1	-1,4242	0,012947
Pask	-1,4242	0,70403
Ect2	-1,4251	0,08353
Kif20b	-1,427	0,0080293
Itga6	-1,4275	0,0098535
2810001G20Rik	-1,4306	0,275
Rpl9-ps7	-1,4342	0,64318
AV099323	-1,4349	0,99996
Gm37390	-1,4385	0,55536
Gm42549	-1,4446	0,8294
RP24-75M13.2	-1,4449	0,78947
A830008E24Rik	-1,4469	0,91115
Rps11-ps3	-1,4504	0,55536
Gm10382	-1,4514	0,29232
Stamos	-1,4518	0,56432
Ier5l	-1,4524	0,040882
Gm42670	-1,4544	0,7959
Lpl	-1,455	7,24E-06
D130051D11Rik	-1,4577	0,043232
Atf3	-1,4595	0,0015748
Neil3	-1,4599	0,28639
Gm7634	-1,4605	0,59311
Dpf1	-1,4606	0,28529
4930426I24Rik	-1,461	0,98709
Gm28731	-1,4638	0,87765
9330175E14Rik	-1,4655	0,15014
Gm43275	-1,4699	0,37627
Gm45220	-1,4725	0,39328
0610005C13Rik	-1,4751	0,76247
Gm12090	-1,4775	0,81393
Errfi1	-1,4778	0,013691
RbmX	-1,4781	0,39084
Gm29228	-1,479	0,61066
Gm42466	-1,4808	0,80548
Gm42508	-1,4819	0,44486
Gm42743	-1,4836	0,26947
Gm13383	-1,4848	0,84398
RP24-323H7.5	-1,4865	0,94387
Rad51ap1	-1,4875	0,034003
Mir3091	-1,489	0,92545
Gm12604	-1,4916	0,2225
Gm6341	-1,4925	0,001019
Ciart	-1,4925	0,0098535
Mkln1os	-1,4954	0,6369
Gm10636	-1,4964	0,74314
Kifc5b	-1,5153	0,11583
Gm43511	-1,5203	0,11901

2700099C18Rik	-1,5228	0,55268
Suv39h2	-1,5241	0,02413
Lbp	-1,5251	0,86846
RP24-511J14.2	-1,5276	0,1163
Gm38355	-1,5282	0,54482
Ccdc36	-1,5303	0,036614
Rps12-ps23	-1,5331	0,63975
Gm14326	-1,5341	1
Phlda1	-1,5345	0,013698
1700031P21Rik	-1,5361	0,41319
Gm10657	-1,5381	0,73623
Notch1	-1,5424	0,78819
A330023F24Rik	-1,5431	0,012214
4930578M01Rik	-1,5442	0,98709
1810041H14Rik	-1,5445	0,75429
Rdh12	-1,5473	0,83566
Gm12280	-1,5495	0,33768
Gm43684	-1,5505	1
Lsm7	-1,5508	0,1046
Arhgap19	-1,552	0,76329
Wfdc17	-1,5529	0,030949
1600029O15Rik	-1,5539	0,59206
Mmp9	-1,5588	0,048201
Gm26549	-1,5589	0,76289
Rflnb	-1,5615	0,67592
Gm15877	-1,5616	0,68245
Gm28727	-1,5639	0,018913
9530085L11Rik	-1,5646	0,35079
Chrnbl	-1,5691	0,087531
Atp1b4	-1,5712	1
C530043K16Rik	-1,5761	0,0062693
Gdf15	-1,5766	0,01364
1700054M17Rik	-1,577	0,77282
Pou6f2	-1,5785	1
Teddm2	-1,5841	0,81105
Wwc1	-1,5842	0,0009974
Rnf152	-1,5843	0,53276
Gm42798	-1,585	0,22565
Gm15007	-1,5889	0,65409
Clec3b	-1,5897	0,88313
Adcy6	-1,5943	0,0089541
RP23-182J19.2	-1,5946	0,65409
Pbk	-1,5951	0,0015755
Gm12034	-1,5964	0,44342
Sdhd	-1,5972	0,22239
Gm14537	-1,5999	0,52766
9530078K11Rik	-1,601	0,46008
Gm6745	-1,6034	0,72711
Gm527	-1,6035	0,40366
Caprin2	-1,6039	0,82653
Gm43182	-1,6054	0,89612
A530041M06Rik	-1,6068	0,063747

Fam161b	-1,6079	0,54882
Hist1h2an	-1,6134	0,93298
Gm11205	-1,6142	0,012214
Gm43581	-1,6164	0,0073895
Gm14286	-1,6189	0,017149
5330406M23Rik	-1,6224	0,050214
Gm20091	-1,6243	0,57651
Xaf1	-1,6255	0,39535
Ttc30a1	-1,6278	0,6143
5330426L24Rik	-1,6313	0,72711
Slc2a1	-1,6317	2,48E-05
Gm44545	-1,6351	0,64907
Gm43501	-1,6378	0,75646
Gm13413	-1,6455	0,87961
Cbx2	-1,6465	0,026766
Gm11604	-1,6494	0,42618
Gm16045	-1,6503	0,02137
Rpl30-ps1	-1,6504	0,18282
Gm38235	-1,653	0,83566
Atr	-1,6533	0,0075159
Gm11470	-1,6543	0,019434
Gm42856	-1,6575	0,82395
Gm43566	-1,6576	0,017659
Tap2	-1,6621	0,22239
Gm6919	-1,666	0,24419
Gm15610	-1,6696	0,7899
Itgax	-1,6721	0,0019907
Ptgs2os	-1,677	0,46928
Snord82	-1,6777	0,63029
Gm37472	-1,6783	0,33803
Gzmm	-1,6799	0,45475
Gm43273	-1,6816	0,90512
Gm3531	-1,6848	0,86691
Gm3617	-1,6872	0,53025
Pole	-1,6899	0,27033
Gm37420	-1,6952	0,42696
Atp5l-ps1	-1,6964	0,020792
Gm6576	-1,6979	0,58262
Gm23301	-1,6979	0,64653
Gm26601	-1,6984	0,21412
Lrrc17	-1,699	0,0066386
Rps8-ps4	-1,7002	0,13128
Crip1	-1,7018	1,00E-07
Fcrl5	-1,7018	0,82085
4930558J18Rik	-1,7033	0,67592
Gm42432	-1,7039	0,34434
Gm11810	-1,704	0,12916
Gm7856	-1,7064	0,56206
Smarca5-ps	-1,7071	0,50136
Gm44292	-1,7148	0,11313
Sez6	-1,7149	0,0089942
Snhg11	-1,7164	0,62956

Zic5	-1,717	0,4574
Gm8330	-1,7182	0,33395
Hba-a1	-1,7186	0,95649
Rgmb	-1,7235	0,24839
H2-Q10	-1,7253	0,48921
Gm9521	-1,7324	0,60134
2700029L08Rik	-1,7354	0,39474
Gm37531	-1,7383	0,33512
Gm12444	-1,7402	0,22136
2810454H06Rik	-1,7436	0,095677
RP23-226H21.3	-1,75	0,41292
Gm42908	-1,7547	0,4046
Gm44283	-1,758	0,67586
Gm45809	-1,7604	0,49297
Mxd3	-1,7609	0,83449
4833421G17Rik	-1,763	0,18426
Tstd1	-1,7652	0,015811
Gm14279	-1,7655	0,026699
Vsig8	-1,7707	0,54482
Gm26830	-1,7734	0,7462
Efna3	-1,7747	0,28639
A330035P11Rik	-1,7789	0,48813
Hmgb2	-1,7797	0,00068298
Gm42632	-1,7799	0,41205
Gm43817	-1,7827	0,020815
Lgals7	-1,783	0,32927
Nsl1	-1,7836	0,0054603
Mafb	-1,7849	2,82E-06
Gm36989	-1,7859	0,23594
Cpne9	-1,7864	0,275
Ccng2	-1,7865	0,00072708
Crkl	-1,7898	0,13396
Gm6382	-1,7923	0,56542
Hus1b	-1,7925	0,57989
Hist1h1b	-1,7929	0,46834
Gm6520	-1,7933	0,36845
4932422M17Rik	-1,7953	0,020882
RP23-136K21.4	-1,8105	0,81817
Gm2367	-1,8127	0,28705
Gm27003	-1,8162	0,59311
Gm26664	-1,8205	0,22239
Rpl7	-1,824	0,0055303
Gm43331	-1,8241	0,4046
Dnd1	-1,8256	0,66311
Fth-ps3	-1,8333	0,00017112
Gm27010	-1,8389	0,22909
Gm6946	-1,8406	0,38707
Ppp1r18os	-1,8487	0,51883
Gm17541	-1,8502	0,64653
Gm5112	-1,8631	0,093313
Gm42633	-1,8637	0,49297
Rnaseh1	-1,8645	0,51608

Gm23849	-1,8672	0,41704
Klf10	-1,8673	5,69E-06
RP23-356D13.11	-1,868	0,41292
Arc	-1,8744	0,032708
Gm42671	-1,8775	0,41205
Gm45477	-1,8802	0,34763
Gm29170	-1,8821	0,0042024
Tspan15	-1,8846	0,47973
Etv4	-1,8896	0,37756
Gm37482	-1,8927	0,28031
Dtd2	-1,8966	0,00048142
Gm42551	-1,9003	0,30515
Gm44013	-1,9021	0,28424
Gm14034	-1,9035	0,48128
Hist1h4a	-1,9058	0,65088
B3gnt6	-1,9083	0,53394
Gm15796	-1,9111	0,36421
D430001F17Rik	-1,916	0,071379
Gm14439	-1,9184	0,69546
RP23-205H11.3	-1,9216	0,042374
C730034F03Rik	-1,9224	4,02E-05
Cep55	-1,9236	0,0035476
RP23-356P21.1	-1,9263	0,002955
Gm9722	-1,9316	0,1369
Hbb-bh3	-1,9338	0,7424
Gm26730	-1,9355	0,46928
Gfod2	-1,9362	0,00072627
Dynlt1b	-1,9455	0,58386
Gm44258	-1,9537	0,0040511
Rpl32-ps	-1,9606	0,22307
Gm7784	-1,9638	0,42937
Kif18b	-1,9652	0,40465
Gm22513	-1,9732	0,34577
Acox1	-1,9732	0,55536
RP24-174I4.1	-1,9743	0,16672
Gm29666	-1,9777	0,24635
Gm11491	-1,9853	0,0065356
Gm16755	-1,9869	0,54605
Gm45203	-1,9941	0,019434
Gm5577	-1,9974	0,2564
Gm42895	-2,0155	0,20108
RP23-320D23.6	-2,0184	0,0089942
Gm14636	-2,0253	9,36E-05
Gm44044	-2,0349	0,23131
RP24-122E11.4	-2,035	0,57448
Gm44639	-2,0367	0,14859
2900060B14Rik	-2,0367	0,22191
Ankdd1a	-2,0426	0,13758
Gm26870	-2,0434	1
Gm43011	-2,0442	0,29464
Ndrp1	-2,0485	2,03E-08
Esco2	-2,0602	0,15014

RP24-175C20.10	-2,0684	0,0018282
Gm44164	-2,0937	0,22307
Gm8317	-2,0949	0,032937
Sep 01	-2,0959	0,50794
Gm13992	-2,1022	0,22383
Cxcl10	-2,1034	0,23335
Gm38365	-2,1054	0,0064666
Gm8623	-2,1078	0,077058
RP24-547N4.7	-2,1131	0,14935
Gm37785	-2,1197	0,091026
Crtc2	-2,1333	0,28705
RP23-350F7.3	-2,1418	0,016945
Car7	-2,1426	0,0065041
Hes7	-2,1658	0,32
Gm45251	-2,1676	0,2428
4930509H03Rik	-2,1797	0,060953
Gm42793	-2,1832	0,48046
Hist1h4d	-2,189	0,15026
Gm37584	-2,1963	0,39534
RP24-93F20.12	-2,1964	0,1266
Gadd45g	-2,2316	0,00012047
Gm9442	-2,2377	0,30961
Gm26983	-2,2556	0,024612
A330069E16Rik	-2,266	0,0079839
4930542C12Rik	-2,2729	0,31113
Gm26656	-2,273	0,097225
BC055308	-2,2767	0,00027516
Gm45833	-2,2829	0,0068529
Gm16181	-2,2853	0,30206
RP23-40D21.1	-2,2991	0,0044878
Gm10575	-2,3113	0,32927
Olfr286	-2,3214	0,24541
Gm43421	-2,3216	0,4025
Gm26226	-2,3249	0,41051
Gm45206	-2,3271	0,1266
RP23-366E4.9	-2,3379	0,13327
Tsix	-2,3401	0,079481
Lrrc2	-2,3423	0,086588
Exo1	-2,3561	0,1749
Egln3	-2,4226	0,028673
Gm28373	-2,4269	0,2328
Kcnd1	-2,4327	0,15021
Dvl3	-2,4343	0,064983
Gm8649	-2,4349	4,87E-08
Gm4607	-2,446	0,0099248
Gad2	-2,4724	0,154
Gm26594	-2,4903	0,1006
Gm26847	-2,493	0,20791
Gm10827	-2,5055	4,10E-05
Fzd7	-2,5056	0,0015748
Zp1	-2,508	0,24541
Gm12469	-2,5117	0,051479

RP23-440L7.5	-2,5293	0,11867
Gm28041	-2,5354	0,10834
Gm26810	-2,5403	0,039745
Med16	-2,5423	1,84E-06
Gm44130	-2,5803	0,084259
Mcm8	-2,5943	0,0048431
4632415L05Rik	-2,6023	1,13E-05
Txnip	-2,6264	5,50E-07
Gm37653	-2,6285	0,0030911
Gm45698	-2,6335	0,019533
AY074887	-2,6413	0,018431
2310058D17Rik	-2,6419	0,0042132
Bc1-ps1	-2,6429	0,041367
Gm29438	-2,6777	0,0010196
Gm44953	-2,7302	0,071379
2810433D01Rik	-2,7567	0,14307
Id1	-2,7707	1,03E-08
Hist2h4	-2,7739	0,067279
mt-Tm	-2,8223	0,00072708
Rpl30-ps2	-2,8249	0,00014717
Gm43920	-2,8582	0,033587
Ankrd37	-2,9123	3,47E-06
RP23-451J19.1	-2,9201	0,039274
Aloxe3	-2,936	0,016242
Thap8	-2,9681	0,0053822
Adm	-3,0015	7,80E-07
Gm18709	-3,0138	0,0016782
Gapdh	-3,0736	0,00025696
1500004A13Rik	-3,1795	0,00038299
4921507G05Rik	-3,1987	0,038839
Gm27248	-3,2159	0,026766
Rgcc	-3,2168	5,64E-06
1700030M09Rik	-3,2388	0,010821
Sit1	-3,2861	0,0098835
Gm23037	-3,3518	0,02137
Slc16a5	-3,3532	0,025669
Gm10800	-3,4333	1
Gm26772	-3,4622	0,0021405
Rn7sk	-3,5499	0,0013995
Gm37052	-3,6305	0,023871
Gm44652	-3,691	6,16E-05
Hspa1a	-3,8628	0,01414
4930578M07Rik	-4,0497	0,00071007
Gm29358	-5,5861	0,00012913
Hspa1b	-5,9773	0,00063606