

Tab. S6:

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

gene name	regulation of expression	adj.P.Val
mt-Tc	30,1293992	0,00047184
Gm26225	17,10919528	0,011176
mt-Ta	13,91819287	0,016728
mt-Ti	12,96275083	0,00049497
Gm24991	10,94651703	0,034639
Ccdc33	10,88296682	0,031686
Hist1h2bg	10,83404438	0,029431
4930589O11Rik	10,71009966	0,029431
Rasd1	10,51006728	0,01782
mt-Tq	10,34742581	0,00061947
mt-Tm	10,16402554	4,63E-05
Snord59a	9,65114425	0,022907
Snord83b	8,963113714	0,00049497
Gm23969	8,492562909	0,018926
mt-Tl1	8,218641822	2,36E-06
Snord66	8,013319502	0,081742
Hist1h2be	7,751094276	5,04E-05
1700054M17Rik	7,731240943	0,019133
Hist1h3d	7,43070966	0,054011
Hist1h2an	7,349265136	0,069887
4933437G19Rik	7,076323483	0,033185
Arhgap27os1	6,857582151	0,35368
Hist4h4	6,768799579	0,1367
Gm24631	6,553656236	0,010145
Gm20594	6,509289142	0,24968
Hist1h1a	6,477782372	0,23719
Trf	6,474640094	0,084574
Gm26202	6,338757165	0,023307
Gm29759	6,304141862	0,35954
Rn7sk	6,182969976	0,00049497
mt-Tp	6,078435319	0,00032
Gm23037	5,969458218	0,0047342
Hist1h1d	5,95045505	0,022907
Dnali1	5,939329203	0,16327
Rrh	5,82315088	0,31655
Hspa8	5,818712641	0,0012033
Il13ra2	5,710036628	0,29607
Gm11464	5,60183698	0,46083
Gm44187	5,51820862	0,22544
RP23-134M7.3	5,453566402	0,35368
Gm7132	5,278397501	0,37299
Hist1h4n	5,263782945	0,18873
Gm43006	5,202842374	0,20584
Gm24507	5,190595271	0,64385
Mapkapk5	5,099656238	0,32546
mt-Tv	5,098595905	0,029431
Gm25008	5,068293247	0,025215
Slc25a2	5,004756922	0,17693

AV099323	4,955738285	0,22544
Gm6290	4,951274723	0,50956
St5	4,947158081	0,60655
Rpl7a	4,880402041	0,00061947
RP24-282C4.3	4,774666607	0,17793
Gm43878	4,757487942	0,38315
Gm43714	4,750567937	0,21056
Gm14137	4,66507411	0,33592
Gm42793	4,632207884	0,27558
Olfr95	4,629639955	0,37975
Gm37696	4,621304011	0,34592
Gm26870	4,615221854	1
Vwa1	4,608189356	0,36872
Gm20492	4,607869952	0,42808
Snord71	4,604677126	0,53211
Atp1b4	4,602443465	0,38153
Gm22513	4,56558586	0,091354
F830208F22Rik	4,533420546	0,57229
Gm26461	4,528081735	0,27558
mt-Ts2	4,486840813	0,27536
Snord87	4,480935624	0,017151
H2-DMb2	4,477210036	0,19433
C3	4,463885432	0,63673
Gm26759	4,445359205	0,56097
Gm45546	4,436739965	0,35349
4930412F12Rik	4,413429034	0,42717
Notch4	4,387198552	0,36801
Rn7s6	4,382943253	0,63893
Hspa1a	4,378995599	0,10992
Gm5778	4,366871261	0,49984
Hist1h4d	4,362333294	0,083208
Gm18284	4,35025509	0,57115
Gm8550	4,344830814	0,43168
Pgam1	4,28382635	0,35368
Rybp	4,256595504	0,22557
Snord15a	4,250993344	0,17728
Pgap3	4,229537754	0,36241
RP23-451J19.1	4,155724456	0,10919
Gm8181	4,135609594	0,6409
Rhoh	4,125302748	0,8795
2310074N15Rik	4,105050585	0,62369
Gm37470	4,101068952	0,63335
Hist2h2ac	4,074152548	0,46965
Gm8203	4,070483018	0,63655
Gm13935	4,056119058	0,61873
Gm38248	4,055837919	0,60655
5930420M18Rik	4,035926777	0,41738
Crtc2	4,026147424	0,17055
Gm7799	4,019455282	0,084574
4930589L23Rik	4,011939916	0,26236
Hist1h2ae	4,007770787	0,49984
Psca	3,969342355	0,46965

Med12	3,967141895	0,47244
B430305J03Rik	3,93073744	0,55815
Ncoa4	3,914152592	0,60655
Gm5830	3,911711578	0,28486
4921507G05Rik	3,888193452	0,22594
Adora2a	3,885499295	0,51429
Tnfsf9	3,87500991	0,069887
Gpat3	3,829882152	0,44923
Aloxe3	3,821661504	0,10747
Gm11631	3,810551992	0,85568
Gm4742	3,807119883	0,60655
RP24-295J1.1	3,785017577	0,41023
Gm43149	3,770876757	0,21708
Gm28373	3,762782761	0,3418
Gm26912	3,751584361	0,59911
Snord72	3,746906559	0,28259
RP23-454I20.1	3,735237558	0,19364
4930578M01Rik	3,725670275	0,60655
Slc4a8	3,724121134	0,48645
Gdf15	3,719993241	0,0013043
Gm12981	3,718704213	0,82561
H2-Ab1	3,70455435	0,70844
Park2	3,69993519	0,82683
Gm15453	3,699422306	0,084574
Gm37851	3,683047491	0,66153
Mkln1os	3,681771265	0,20975
Gm23639	3,66725351	0,80932
Gfap	3,651527258	0,82683
Gm3699	3,642931834	0,5164
Rpl7	3,638137325	0,0041586
n-R5s151	3,628567229	0,49119
Rps13-ps5	3,61826983	0,3539
Myc	3,60500185	0,35349
Gm42666	3,604751979	0,26995
Hspa1b	3,602503919	0,031023
Gadd45g	3,601255603	0,00059897
4833445I07Rik	3,592031496	0,6246
Gm28659	3,583824524	0,42808
Gm19272	3,580844822	0,68264
Gm12466	3,578611671	0,52341
Gm23751	3,571177889	0,27582
Gm5822	3,562524658	0,81122
Zfp54	3,550691456	0,54169
Rps2-ps10	3,536690567	0,37975
Dynlt1b	3,536445431	0,60157
Apoo-ps	3,521524207	0,85777
Dntt	3,517377062	0,71147
4930578M07Rik	3,511043815	0,039732
4930430E12Rik	3,491144326	0,16961
Gm14057	3,489692702	0,60655
D430001F17Rik	3,479789411	0,051064
Fzd7	3,458148925	0,0064051

Gm7099	3,444274198	0,091666
Gm42670	3,441887636	0,41424
C230037L18Rik	3,439025945	0,6003
Gm7351	3,42332912	0,79146
Camk2b	3,421431349	0,51361
Rab11fip4os1	3,397326794	0,91122
Mcm8	3,393796359	0,045372
Gm10069	3,391679859	0,76817
Snord89	3,391444773	0,024472
Gm45733	3,37854015	0,91999
Plscr4	3,371521973	1
Timm8a1	3,369652922	0,94449
Gm8019	3,355668031	0,83621
Gm7285	3,355435442	0,66153
Rac3	3,351483892	0,71596
RP24-370M23.1	3,34962595	0,81268
Rps13-ps7	3,34313126	0,80138
Rbfox1	3,332257756	0,46182
Gm13890	3,330410472	0,85948
Gemin4	3,327872129	0,3815
Gm22980	3,32533572	0,22594
Gm42743	3,30969896	0,070546
Snord7	3,307176403	0,65259
Slc16a5	3,304426714	0,34837
Gm16380	3,303052728	0,76857
Mturn	3,29984898	0,10435
Acox1	3,285015095	0,64421
8030453O22Rik	3,278872947	0,49984
Gm26226	3,273196014	0,71547
Insig1	3,269114708	0,0012033
Hist1h1b	3,268661544	0,40484
Gm18709	3,255321426	0,035021
Snord82	3,247433539	0,48941
Hba-ps4	3,243609178	1
RP23-413G8.2	3,239789322	0,34837
2700046G09Rik	3,22075741	0,63673
Gm8623	3,211839943	0,17156
Gm11516	3,20939197	0,87686
RP23-440L7.5	3,20916952	0,45475
Hyal1	3,19186581	0,0012033
Rnf122	3,183469628	0,074444
AY074887	3,172675565	0,14439
Soat2	3,162575672	0,96062
Gm44836	3,143779429	0,99584
Hist2h4	3,139424245	0,37311
Gm15216	3,094700941	0,63335
Hist1h4a	3,093843026	0,79146
Gm24920	3,079081384	0,55258
Tnnt1	3,072685266	0,85568
Dnm3	3,070343354	0,73316
Xk	3,067790576	1
Cerkl	3,067152713	0,62369

Rpl19-ps11	3,063965388	0,94943
Gm9920	3,056329315	0,73697
Gm5131	3,045755219	0,93527
Gm43273	3,03290435	0,90649
Gm7327	3,026184609	0,083435
Snord65	3,001533979	0,52341
Gm7114	2,984729109	0,51181
RP24-282K24.4	2,982040807	0,62016
Gm45248	2,964317543	0,53425
Rbm3	2,96390663	0,30032
Proscos	2,963495774	0,24972
Gm15542	2,963084974	0,66031
Gm12902	2,962263547	0,23724
Gm26810	2,955085761	0,3594
Lgi4	2,949560497	1
1700034H15Rik	2,946291143	0,56381
Gm4034	2,945474371	0,71707
Gm42731	2,945474371	0,91485
Gm29462	2,945474371	1
Eno1b	2,941801698	0,13344
Gm10358	2,937319093	0,61788
Riiad1	2,923101651	0,95166
Gm45629	2,919456874	1
Lgr5	2,91925452	0,93777
Gm16062	2,916018758	0,59566
Snx32	2,911777262	0,88097
Umad1	2,910970058	0,27261
Kyat3	2,90331277	1
Adamtsl1	2,892465998	1
Gm45698	2,891864589	0,30466
Rpl23a-ps14	2,890261443	0,70124
Tmem151a	2,88725794	1
Gm44552	2,885857374	0,60497
Gm22767	2,885257339	1
Hsh2d	2,878266145	0,96902
0610039K10Rik	2,875673732	0,54169
Gm12017	2,874876537	1
Inhbe	2,874677272	1
Icosl	2,873681158	0,28069
Gm10717	2,873681158	1
Snn	2,872088092	0,60711
Gem	2,870694885	0,91451
Gm44292	2,85620593	0,17812
Rps3a2	2,853633386	0,92192
Efemp2	2,843760565	0,64736
Gm44652	2,836869921	0,054791
Lbp	2,835297262	0,81122
Gapdh	2,83215456	0,071493
Gm6525	2,831565691	0,72767
Gm16104	2,829995973	0,91485
Plekhh1	2,82666321	1
4921536K21Rik	2,824900396	0,76156

Lum	2,824117276	1
Arhgap26	2,8108374	0,21008
Lamb2	2,810252964	0,95746
Gm43800	2,807916433	0,67619
RP24-174I4.1	2,80772181	0,44187
Lppos	2,802666339	0,84142
A930029G22Rik	2,796650558	0,99967
Gm43721	2,796262887	1
Ier5l	2,795681481	0,034639
1810026B05Rik	2,792195582	0,0021695
Rpsa-ps9	2,781378336	0,61306
Gm8210	2,778680579	0,86759
Depdc1a	2,775408248	1
Gm12583	2,773100688	1
Gm29170	2,768875144	0,025215
Sult2b1	2,764656038	1
Gm9009	2,763506489	0,9007
Fam72a	2,762931893	0,67424
Gm6649	2,754900093	0,93273
Wwc1	2,747082047	0,0033953
Gm12454	2,745749478	0,96868
Palld	2,743276421	1
9330151L19Rik	2,740425662	0,35349
Gm14292	2,739476067	0,69629
Hist1h4h	2,739096322	0,91485
4831440E17Rik	2,736629257	1
Rps12-ps19	2,73606025	1
Clec4n	2,732459287	1
Rps17	2,724893794	0,062095
Ccdc18	2,722816958	0,20584
Gm45729	2,722628233	1
Rpl35a-ps4	2,718668034	0,44187
Gm43578	2,713396727	0,89904
Comp	2,71170455	0,85168
Gm14005	2,707760239	0,29874
C430049E01Rik	2,699140357	0,88097
Gm43010	2,698205069	0,93777
Amigo1	2,697644051	0,94611
Hist1h2al	2,696335463	0,3815
Gm15937	2,695961698	0,80245
Gm3940	2,682354655	0,78396
RP23-2N7.4	2,682168735	0,36928
4930522L14Rik	2,681053484	0,48941
Galnt10	2,680310242	0,71596
Rpl10a-ps2	2,679752945	0,12847
Poln	2,679010062	1
Klhl35	2,676968198	1
Gm12428	2,67585511	0,85739
Rpl29	2,673630321	0,97786
Ntrk3	2,66881629	1
Mir124-2hg	2,667336794	0,88803
Gm15575	2,666042908	0,91425

Maff	2,664010927	0,031602
Pla2g2d	2,662718654	0,90824
Snord49b	2,660873638	0,094325
Gm30074	2,660689207	1
Gm10382	2,660504788	0,29874
Gm11346	2,659767242	0,99433
C230096K16Rik	2,658477028	0,21056
Klf1	2,658477028	1
Unc13b	2,652586872	1
Gm16439	2,649830355	0,96508
Bco2	2,648361385	0,71029
Bcl2a1d	2,647994269	1
Pank4	2,646526317	0,81122
Rps15a-ps6	2,645792645	0,15496
RP23-324E2.11	2,645792645	1
Gm19726	2,635725267	1
Nrap	2,63499459	1
Wdfy2	2,633533844	0,21236
Rny1	2,633168784	0,18778
Orc1	2,632256355	0,70475
Gm5117	2,63152664	1
Rgs12	2,620060272	0,89431
Gm29358	2,617881873	0,17055
Rpl17-ps8	2,615886599	0,093267
Hax1	2,614255233	0,89904
A730011C13Rik	2,614074033	1
Gm37670	2,613892845	0,96965
Meg3	2,612624884	1
Itgam	2,611176539	0,073347
Gm6987	2,609367236	0,23897
Izumo4	2,605030024	0,61306
Hoxaas3	2,60322498	0,70637
Esco2	2,599979053	0,55741
Gm37204	2,596197253	0,95202
Hist2h3c2	2,594218506	0,39896
Gapdh-ps14	2,593499335	1
5033430I15Rik	2,591881931	0,92006
Gm26610	2,587215093	0,7445
Hapln3	2,581482826	1
Gm12577	2,580588307	0,27211
Gm17108	2,57790661	0,59757
Gas2	2,571303666	1
Ost4	2,569521992	0,1367
Cacna1s	2,569521992	0,46086
Ang	2,566495979	0,064127
Hba-a1	2,560454638	1
Gm43153	2,559744828	0,85568
Gm13226	2,557793864	1
RP23-320D23.6	2,555135854	0,1753
Zfp532	2,554958752	1
Gm12230	2,554427518	0,6239
Tk1	2,553542375	0,42247

3830408C21Rik	2,551773007	1
A430035B10Rik	2,551419281	1
Tmcc3	2,549297952	1
Itgal	2,548414586	0,18277
Gm29243	2,54823795	1
Plat	2,547531526	1
Gnpda1	2,547001837	1
Upp2	2,544178687	0,35974
Hsd3b7	2,541182519	1
Gm13641	2,540830261	0,7966
Gm19566	2,538893713	0,60655
RP24-310D17.9	2,538541772	0,28069
RP23-151L20.5	2,536782799	1
Efna3	2,534497955	0,6409
Gm15163	2,534146624	1
Ltb	2,532917346	0,043218
Rpl12	2,53221517	0,045372
Gm23301	2,530811401	0,91425
Gm13477	2,53046058	1
Gm14056	2,52993444	0,85817
Dpf1	2,527830975	0,37214
Fanci	2,524854059	1
Rab42	2,522929688	1
RP23-288C18.3	2,521880649	0,22544
Gm44090	2,521880649	0,41454
Pla1a	2,518736149	1
Gm43328	2,514026749	0,51804
Gm38257	2,512458907	0,89196
Gm9435	2,512284762	1
Tcea3	2,507935074	1
Inca1	2,504287157	1
Nsa2-ps2	2,50289887	1
Gm19028	2,502378461	1
Ccl6	2,501164594	1
Kcnj2	2,50047122	0,40844
Adgb	2,49943152	1
Rhov	2,498738626	0,37975
4930427A07Rik	2,498565433	1
Gm5112	2,492511222	0,43515
9530085L11Rik	2,491474831	0,57954
Gm13408	2,483027087	0,59244
Slc47a2	2,483027087	1
D830025C05Rik	2,480618712	0,43681
Gm10110	2,477697396	0,3815
Gm6457	2,475637362	0,60655
9330162G02Rik	2,472036423	1
Gm42728	2,471522431	1
Olr1	2,468098547	1
Nup98	2,461776861	0,25366
Gm3531	2,46075325	1
5330438D12Rik	2,459559575	0,80245
Gm12834	2,456663059	1

0610009O20Rik	2,455471368	0,1367
Bard1	2,452579667	0,53211
Ube2s	2,447315329	0,64736
Gm43566	2,444094386	0,13727
1700001G11Rik	2,443586203	1
Gm15564	2,441554531	0,62728
Nectin4	2,437834183	1
Nsl1	2,433613397	0,10571
Gm6210	2,43024203	0,91485
Saa3	2,42990515	1
Gm7701	2,425866234	1
Gm36936	2,424689481	1
Aarsd1	2,424353371	1
Gm38299	2,423849294	0,74329
Gm12882	2,422001905	0,40689
Gmnn	2,419820443	0,10406
Gm42856	2,41914962	1
Zfp786	2,41914962	1
Pabpn1	2,418646624	0,28069
H2-Q5	2,417305813	1
Pde2a	2,416803201	1
Ccdc63	2,415965746	1
Hoxb8	2,412618827	0,056103
MacroD2	2,411448501	0,56131
Gm5523	2,409276544	1
Mafk	2,407607139	0,022907
Gm29019	2,407273397	0,43515
Adm	2,404771806	0,21056
Nat6	2,4042718	0,069887
Gm10175	2,399111152	0,10197
Btf3	2,398612323	0,43681
Tsc22d3	2,397448791	0,084574
Gm43011	2,396618043	0,91485
Gm5362	2,395455478	0,99433
Cdkn2c	2,395123421	0,17812
B3gnt2	2,393463823	1
Gm2011	2,391971168	0,65083
Fabp7	2,390148076	1
Rpa3	2,38650606	0,99433
Tnfrsf14	2,38650606	1
Gm16372	2,386175243	1
mt-Nd6	2,383860808	0,12847
Gm44957	2,383034767	1
Rps12-ps26	2,382704432	0,74954
Gadd45b	2,380228372	0,069837
Rps15a-ps4	2,375777946	0,99967
Gm13383	2,372980097	1
8030462N17Rik	2,3690358	0,40689
C030034I22Rik	2,368871596	0,045314
Gm29650	2,365425954	0,89647
1700001P01Rik	2,362312786	1
Gm11694	2,360839558	1

4932422M17Rik	2,359203716	0,28486
Gm13889	2,355772136	0,64469
Gm12940	2,354466181	1
Ttc39a	2,353487189	1
C730045M19Rik	2,352345547	0,82683
Crip2	2,351204459	0,34837
Ntn5	2,35071559	0,96965
Hacd2	2,347947256	0,8202
RP23-43M12.2	2,346808301	0,22544
2900055J20Rik	2,343719636	0,71596
Whrn	2,342420362	1
RP23-356D13.9	2,339823975	1
Crkl	2,335125356	0,60655
Ccdc85b	2,333992621	1
H3f3a	2,331728799	0,05401
Gm19967	2,328014429	0,55812
Gm15484	2,328014429	1
Rps19-ps9	2,327046436	0,90649
Gm4673	2,326401331	0,59383
Cytip	2,323500572	1
3110056K07Rik	2,322534456	0,76524
B230377A18Rik	2,320120924	1
RP23-55A6.4	2,315622372	1
Gm24959	2,314017861	1
Gm10237	2,313216022	1
Gm8909	2,312735053	1
Abhd18	2,310331704	0,6003
Aldh1l2	2,308890893	0,49119
Gm4459	2,306811309	1
Mettl21b	2,306011967	0,37399
3010003L21Rik	2,306011967	1
Dixdc1	2,305212903	0,92275
Rps19-ps3	2,300424328	0,85598
Tmco4	2,299946018	1
Dkk1	2,2996272	1
Zcwpw1	2,299467807	0,85568
9130024F11Rik	2,299308426	0,72319
Hist1h2bp	2,297715219	1
Murc	2,296759825	1
Gm29736	2,294691166	0,48444
Socs1	2,293101159	0,69156
P4ha2	2,291671094	0,19144
Sorl1	2,291671094	1
Gm13416	2,291353423	1
Gm15459	2,291035796	1
Mfsd7a	2,290876999	1
Gm23300	2,288496364	1
Gm17034	2,287861946	1
Gm24009	2,287544803	1
2700038G22Rik	2,286435149	0,96965
Gm6136	2,285326033	0,42717
Rps19-ps4	2,285326033	0,66153

Npr1	2,285167632	1
Npm3-ps1	2,283267673	1
Gm9409	2,283109414	1
Gm10863	2,279472493	0,88097
Zfa-ps	2,277261552	1
Rasal1	2,275368167	1
Mrps18b	2,274106785	1
Cd274	2,272846102	0,42781
Manba	2,27205853	0,67424
Tob1	2,271271231	0,33592
Pdzk1ip1	2,271113803	1
Gm27029	2,27016947	1
Tma7-ps	2,268753706	0,52341
Gm37893	2,268439212	1
Gm13611	2,268124761	0,67424
Rnft2	2,266710273	1
4833417C18Rik	2,266396062	1
Lgals7	2,264982651	0,95166
Gm8172	2,260277646	1
Gm42432	2,257459335	0,8944
Hnrnpa1	2,256833521	1
Gm12643	2,256833521	1
Lsm7	2,256677095	0,43681
Arhgef15	2,256207881	1
4932441J04Rik	2,254332	0,75201
Gm7308	2,254019505	0,37399
Proser3	2,252301556	1
Satb2	2,251677172	0,39269
Gm26530	2,250428923	1
Zp1	2,248869585	1
Ifi213	2,248713711	0,10507
1700084E18Rik	2,248401995	0,5164
Gcat	2,246999806	0,68866
9330020H09Rik	2,246532604	0,43354
Eme1	2,245598492	1
Gm24339	2,241555158	0,6844
Uba7	2,241244434	0,43681
Gm6344	2,24031252	1
Kif18b	2,239225777	1
Jsrp1	2,237519104	0,68875
Ifitm5	2,237364016	1
Gm8121	2,235658761	1
Gm8228	2,233335509	1
Rpl17-ps10	2,232716382	1
Gm7783	2,231942716	0,76444
Rpl39-ps	2,231633324	0,17987
Gm4607	2,231478645	0,59566
4632415L05Rik	2,23101467	0,31655
Acap1	2,23101467	1
Gm42548	2,230860033	1
Gm45051	2,230550792	1
Zscan21	2,23008701	0,34592

Gm14427	2,229623325	0,54222
Gm9381	2,229623325	1
Ccne2	2,229314255	1
Gzmm	2,229005227	0,99433
Zfand1	2,228232847	0,50956
Gm45185	2,224220781	0,87607
Pate2	2,223295946	0,95144
Rps28	2,221139492	0,22594
Gm26594	2,220677667	1
Mdm4-ps	2,217908733	0,43681
Rnaset2a	2,217755005	0,88998
C030015A19Rik	2,213915256	0,72386
Kif18a	2,213301514	0,33977
Cygb	2,212074539	1
5330426L24Rik	2,211001494	1
Gm9392	2,210695005	0,77149
Gm7336	2,210388559	0,79146
Gm10036	2,208856965	0,31655
4933417C20Rik	2,208856965	1
Pigb	2,208244625	0,85708
Arl4d	2,207479439	0,9797
Adh7	2,206408623	1
Ceacam10	2,206255691	1
Rorc	2,206255691	1
Gm5735	2,204115766	1
Gm15421	2,202130551	1
Gpr19	2,200604679	1
Gm5883	2,20045215	1
Gm16253	2,196033405	0,73186
Gm9506	2,194511758	1
Gm24336	2,193903394	1
Rps12-ps10	2,192687173	0,35368
Gm4784	2,191471626	0,84142
Slc7a7	2,191471626	0,99168
Usp18	2,19101597	0,84957
Gm12758	2,188435706	1
C030037D09Rik	2,188132346	0,57246
Pin4	2,186616174	1
Mmp2	2,186464614	1
Rab5a	2,186161527	0,60561
Gm12184	2,184041091	0,98389
Gm10657	2,182073957	1
Gm28187	2,181317839	1
Gm7899	2,181015465	0,78876
Nme7	2,179202102	0,96902
Snora17	2,178597983	1
Oaz1	2,177692118	0,33977
Stamos	2,177088417	0,9717
Gm13758	2,176484883	1
Gm26129	2,1713616	1
Sh3bgrl2	2,167451934	0,045629
Hist1h2aa	2,165349645	1

Gm7436	2,16489942	0,94611
Cox4i2	2,164449289	0,69779
Ptgs1	2,164449289	1
Rpl34-ps1	2,16160063	1
Gm4285	2,16160063	1
Gm8927	2,158755719	1
Rps12-ps9	2,158306865	0,36699
Gm10762	2,158306865	0,99425
Gm4737	2,157409437	0,54455
Slc9b1	2,1551675	1
Traf3ip3	2,154271377	0,99675
Gm9320	2,153823456	0,23946
4930447F24Rik	2,153226372	1
Gm4032	2,151734386	1
Gm12933	2,149945368	1
H2-T23	2,147264629	0,76524
Olfr912	2,142655634	1
Lockd	2,14235862	0,2336
Abcc10	2,14235862	1
Sap30	2,142061646	0,1753
mt-Rnr1	2,141913175	0,090638
Gm43138	2,141616263	0,94463
Sit1	2,137167525	0,99433
Gm6768	2,137167525	1
Rpl30-ps5	2,134502718	1
D530018E20Rik	2,130511738	1
Mast4	2,130364067	1
Got2-ps1	2,12918307	1
Selenop	2,129035491	0,80013
Gm28151	2,128445279	1
Man2b2	2,126233441	0,55343
Slc25a25	2,125496672	0,22544
2310058D17Rik	2,123729469	0,85655
Mfsd13a	2,123582268	0,55258
Pkmyt1	2,12240503	1
Cxxc5	2,122257921	1
Gm14240	2,122257921	1
Pomc	2,121669588	0,99433
Dubr	2,121375483	0,41454
Gm29228	2,120934401	1
Gm36989	2,117702602	0,97201
Rpl26-ps4	2,117409047	1
Rpl23a-ps3	2,115355297	0,56381
Gm44775	2,114915467	1
RP23-278O17.1	2,114915467	1
Gm10131	2,114475728	0,90649
RP24-183O8.6	2,112424823	1
Gm11652	2,111400117	1
Gm13204	2,110375908	1
Gm14813	2,110083368	1
Gm3550	2,10832898	0,56801
Lysmd3	2,107598415	0,59566

Coq2	2,107160198	0,59383
RP23-23P9.3	2,105992064	1
Usp50	2,104678688	0,95746
Gm16199	2,104241078	1
Selenow	2,104095228	0,075999
Gm20517	2,104095228	1
Gm37108	2,10336613	1
Alox8	2,100015534	1
Gm8337	2,099578894	1
Eno1	2,098705885	0,26973
Gm13360	2,098705885	1
Car11	2,098269517	0,64385
Gm4968	2,098269517	1
Gm15829	2,097833239	1
Fign	2,096379636	1
Cd300lf	2,095653212	1
Gm13622	2,095217479	1
Trappc2	2,095072254	1
Gm7160	2,093330347	0,90189
Gm43868	2,09304017	1
Zfp36l1	2,09216988	0,14883
Tsg101-ps	2,089850875	1
Rassf7	2,087534441	0,7168
Gm7846	2,086232575	1
Gm37738	2,085509668	1
4933412L11Rik	2,084498017	1
Gm26569	2,084498017	1
Gm42972	2,083920152	1
Gm44791	2,083342447	1
Creb3l3	2,083198045	1
Rnf152	2,082764902	1
RP24-316F13.7	2,082187517	1
Ubb	2,080888986	0,093267
Gm8885	2,079879577	1
Gm15268	2,078150301	1
Sparc	2,078150301	1
Mthfs	2,077718207	0,69637
Gm25541	2,077142221	1
Rpsa-ps12	2,076854288	0,85781
Polq	2,076566394	0,8913
Gm10177	2,075127527	0,88097
Bcat2	2,074552259	0,43681
4930556M19Rik	2,074120913	1
Dpep2	2,073833399	0,23385
Rpl36-ps2	2,071678312	0,92161
RP23-403D16.3	2,071678312	0,98253
Amd2	2,071391136	0,94952
6330403N20Rik	2,071104	1
Gm10658	2,067804797	1
Gm10029	2,066372	1
Fhit	2,066372	1
Gm42535	2,065512799	1

Ceacam16	2,064081591	1
Zfp773	2,062937338	0,49984
Gm43059	2,06236545	1
Gm45456	2,061365027	1
Slc39a4	2,061079281	1
Gm6807	2,060936422	0,48038
Zgpat	2,060936422	0,99967
Gm5525	2,06022228	0,75133
Pbx1	2,06022228	1
Gm26244	2,058794738	0,64593
Zc3h12c	2,058652038	0,36438
Rpl28-ps1	2,057653416	0,46182
Sdhd	2,057225583	0,96965
Slc25a30	2,05679784	1
Gm7847	2,055087755	1
Gm17060	2,054945312	1
Gm37383	2,054945312	1
Gps1	2,054660456	1
Clgn	2,05124526	1
B9d1	2,04854559	1
Gm2383	2,047693801	1
Slc1a4	2,047693801	1
AK157302	2,045849473	1
Sp4	2,045424095	0,44761
Tmem29	2,044998805	0,76857
Snord110	2,044857061	1
3110083C13Rik	2,043723466	1
Gm16585	2,043156904	1
Asap3	2,043156904	1
RP24-232D3.1	2,042732086	1
Insig2	2,042590499	0,14977
Cd74	2,042024251	0,096644
Dhrs11	2,041599669	1
4933433G15Rik	2,041316662	1
Selenbp1	2,040892227	0,27582
Ift22	2,040892227	0,7298
Rplp1-ps1	2,039195366	1
H2afz	2,037782393	0,4473
A530017D24Rik	2,037358692	1
Cdkal1	2,03665272	0,56381
C2	2,03566477	1
Prim1	2,03453627	0,76505
Acta2	2,02749731	1
Arf2	2,0265138	0,022907
Gm12013	2,0265138	1
Rpl19	2,025390374	0,32546
Gm11249	2,024548213	1
Gm37052	2,023706402	1
Igfbp4	2,023566134	0,024428
2010016I18Rik	2,021883679	0,94676
Gm15420	2,021883679	1
Ypel1	2,021883679	1

Rpl13a-ps1	2,021183069	0,23441
Tnfrsf17	2,019642581	0,79315
Khnyln	2,018662882	1
Gm15753	2,017543808	0,99433
Rps12-ps4	2,016285591	0,42808
8430408G22Rik	2,015726636	1
Nkain1	2,015447216	1
Zfp36l2	2,015167835	0,34592
4921524J17Rik	2,015028159	0,36928
H2-DMb1	2,014469552	0,75133
Rpl10-ps2	2,013771511	1
Gm7863	2,013631932	1
Gm8254	2,011121161	1
Llph-ps1	2,010284933	1
Ftl1	2,009866949	0,99476
Gm12816	2,009588342	0,82597
Olfrml3	2,009170503	1
Vamp2	2,008195884	0,35349
Gpr137	2,007639171	0,72026
Fam103a1	2,007360873	0,74954
Rpph1	2,007221738	1
E130317F20Rik	2,005413862	1
Gm13215	2,004996892	0,82325
Gm10636	2,004996892	1
Gm17786	2,004302133	1
mt-Rnr2	2,003052174	0,32762
Rel1	2,002913338	0,20584
RP23-354J5.3	2,002913338	0,71713
1500004A13Rik	2,002080523	0,82338
RP24-75M13.2	1,998475657	1
Gm20302	1,998337138	1
Gm8242	1,997229332	1
Aif1	1,996675659	0,78941
L1cam	1,995568774	0,93596
Ticrr	1,995568774	1
Gm28424	1,994047809	1
Car12	1,991975634	0,3539
Gm25291	1,990733362	1
Pi16	1,99059538	0,43681
Gm10916	1,988251143	1
2900093K20Rik	1,987699959	0,35136
Gm10051	1,987424424	1
D930030I03Rik	1,986460354	1
Tubb2b	1,98563438	1
Serpinb9	1,984946331	1
Atg4a-ps	1,98425852	1
Rps27rt	1,984120986	0,27558
Gm29593	1,983983462	1
Gm6969	1,983708443	1
Cd48	1,982059127	1
Osbpl1a	1,981921745	0,82683
Gm18889	1,981097659	0,61873

Alpk2	1,979587723	1
Shox2	1,978764607	1
Gm11491	1,976023357	0,67164
Gm9294	1,975886394	1
Tmem267	1,974517289	1
Zfp931	1,972328693	1
Cep128	1,970142523	1
RP23-63H11.3	1,970005968	1
1110006O24Rik	1,969732886	1
Itga6	1,969323334	0,36575
Qpctl	1,967549593	1
4930529C04Rik	1,966595164	0,82508
Ip6k2	1,966186264	0,22544
Gm13433	1,965913712	1
Slc13a3	1,96482388	1
C130083A15Rik	1,963870773	1
Matr3-ps2	1,963870773	1
Gm26520	1,963326347	0,44187
RP23-187B11.16	1,962509993	1
Lrrc2	1,961965945	1
Gm43148	1,960742389	1
Mxd3	1,959791261	1
Cmtm7	1,959247967	0,35794
Ly86	1,958976376	0,20316
Samd9l	1,958704823	1
C330013E15Rik	1,957754684	1
Fdps	1,956533754	0,52341
Gadd45a	1,956533754	0,69637
Prdm10	1,954500563	0,6771
Gm15975	1,953146276	1
Ccdc36	1,953010898	0,69002
Dennd4c	1,952875531	0,42247
H2-Ob	1,951792927	0,38056
Gm12912	1,951792927	1
Hist2h2be	1,951387105	0,28608
Emc10	1,950575715	0,29124
1700123M08Rik	1,949764662	1
Maz	1,948683782	0,78374
Slbp	1,948683782	0,95022
Gm17690	1,948008537	1
Gm7312	1,945175061	1
Nrbp2	1,944231485	0,91485
Lzic	1,944096726	0,60655
Rps18-ps1	1,942884313	1
Rbmx	1,942076459	1
3110031N09Rik	1,942076459	1
Gm7638	1,940596264	0,73186
Gm45250	1,939520467	1
Gm13456	1,939251611	0,92045
Gm10240	1,938176559	0,80245
Gm14130	1,937504955	1
RP24-389J11.1	1,937236378	0,37333

Morf4l1	1,936833583	0,47563
Gm10138	1,936430872	0,59566
Stap2	1,935894054	1
Gm23935	1,933078199	0,6409
Dennd5b	1,932944213	1
2810013P06Rik	1,932274421	0,64593
Atn1	1,932274421	1
Plekha7	1,932274421	1
Gm14843	1,931203238	1
5430402O13Rik	1,929998866	1
Gm23442	1,928795246	1
Ttk	1,92745877	0,41225
Ncapd3	1,92612322	0,31655
Gm7722	1,925856221	1
Gm34121	1,92558926	1
2810029C07Rik	1,925055447	1
Serpinf1	1,924655184	1
Gm7867	1,924255005	1
Akr1b7	1,923721562	1
Gm14048	1,923588225	1
Rpl26	1,923321577	0,52341
Gm11343	1,923321577	1
Adat2	1,922388602	0,80245
Hmgb1	1,921855677	0,91485
Adam9	1,92145608	0,98426
Gm12355	1,920923413	1
Golga7	1,920390894	0,61306
Gm5093	1,917065991	1
Gm12770	1,917065991	1
Slc30a2	1,915870436	1
Gm43182	1,914012166	1
Gm5764	1,911625609	1
Mettl7a1	1,91149311	0,90082
Snhg20	1,910830752	0,33592
Gm10263	1,910830752	1
Gm8318	1,909242028	1
Rpl10-ps3	1,908183613	0,85568
Mrps28	1,906861419	1
Klf11	1,90672925	0,73386
Cenpx	1,90646494	0,60691
Gm42511	1,906332798	1
Tbc1d30	1,905936429	1
Slc2a4	1,905804324	1
Gm15720	1,905672228	1
4932416K20Rik	1,904087794	1
Spdl1	1,901977263	0,79693
Rccd1	1,901845433	0,86385
H2-T10	1,901449996	1
Kbtbd8	1,901054642	1
Tmem71	1,90065937	1
Cks2	1,899737388	1
A930006K02Rik	1,899474047	1

Gm8093	1,899210742	1
Gtpbp10	1,898421047	1
Rps27a	1,89763168	0,88097
Gm14513	1,89750015	1
Trim3	1,895659698	0,9797
Fam71f2	1,895528305	1
Txlnb	1,894346182	1
Gm15596	1,893821031	1
E2f8	1,892771164	1
H2-Q4	1,89159076	0,98253
Pacs1	1,890804234	0,63765
Ctdspl2	1,890542131	0,52137
Gm15950	1,890280064	1
Upf2	1,889101214	0,28194
B930036N10Rik	1,888577516	1
Gm5100	1,888446614	1
Rpl21	1,887007295	0,60602
Hdac11	1,885961206	0,79832
Tnfaip3	1,885046354	0,98024
Il18rap	1,884131945	1
Apol11b	1,88308745	1
Tmem240	1,882826417	1
Arhgap15	1,882304459	0,64736
Gm20673	1,882173992	1
Msantd2	1,881521793	0,73953
Jmjd7	1,879827134	0,95166
RP23-366E4.9	1,879566553	1
Gm7909	1,879566553	1
Gm9169	1,878915257	1
Cln6	1,877092831	0,2324
Gm33370	1,876182281	1
RP23-58B7.2	1,875922205	0,75366
Gm7363	1,875532158	1
Pcgf5	1,875272172	1
Ints4	1,875012222	0,9154
Aunip	1,874622365	1
Rpl30	1,874362505	1
Cul7	1,873972783	1
RP24-454N4.2	1,873842894	0,5312
Lsm12	1,87345328	0,52706
Rgs11	1,87345328	0,99293
Greb1	1,87345328	1
1700020D05Rik	1,87293392	1
Ldb1	1,872025387	1
1500015A07Rik	1,870857921	0,84517
Kdm4b	1,870598583	0,88075
Nlrc3	1,870080015	1
Gpkow	1,869820785	1
Gm10941	1,869820785	1
Ypel2	1,868654694	0,70475
Tbc1d10a	1,86800718	0,50176
Gm13822	1,867748237	1

Zwilch	1,86684222	0,95144
Gm10335	1,866583438	1
Gm10501	1,865936642	1
Mterf3	1,863997597	1
Rsrp1	1,86270602	0,51959
Hmgb1-ps5	1,862576911	1
Gm26800	1,86218964	1
Gm9332	1,861544366	1
Gm12924	1,861544366	1
Rps19-ps8	1,860383436	1
Nmrk1	1,8598677	0,97786
Gm6564	1,859480991	1
4930579G24Rik	1,859094363	1
Gm24916	1,858965505	0,83381
Snrpf	1,858965505	1
9330104G04Rik	1,858192544	1
Gm45568	1,858063748	0,82763
Atp2a3	1,857419904	0,37082
Rps6	1,857419904	1
Fam107b	1,856904989	1
E230020A03Rik	1,856261547	1
Gm12240	1,855618327	1
RP23-149L23.1	1,85548971	1
Slc17a7	1,855103911	1
Ssc5d	1,854075509	1
Clcn2	1,853818497	1
Gm5069	1,853561521	1
Epsti1	1,853304581	0,87195
Tnfrsf12a	1,853047676	0,46842
3110062M04Rik	1,852277175	0,35662
Efcab2	1,850608856	1
Ciart	1,850352325	0,71713
Rnf225	1,849582945	1
Gm8304	1,849070203	1
Gm8649	1,848045145	0,37975
Rpl31-ps11	1,848045145	1
Zfp541	1,847404772	1
Gm14094	1,847148685	1
Hspa9-ps1	1,847020655	0,99293
Rpl11	1,846252661	0,96857
Rab26os	1,845996733	0,5677
Gm11810	1,845996733	1
Gm7488	1,845101267	1
Rpl13-ps3	1,844973379	1
Gm17827	1,844589768	1
Gm9835	1,841140851	1
Gm26947	1,841013237	1
1190005I06Rik	1,840502871	1
Gtf2ird1	1,838845157	0,98087
Gm12943	1,838462819	1
Rpl31-ps13	1,836934265	0,85568
Gm7079	1,836806942	1

Gm28727	1,836170464	0,82683
Abhd3	1,836170464	1
Gm11952	1,835025358	1
Calr-ps	1,833880967	0,24972
Hsd17b14	1,833372578	1
Clec3b	1,832737289	1
D2hgdh	1,832610258	1
Ccr10	1,831975234	1
Rps27	1,831467373	0,81145
Gm24876	1,83134043	1
Arrdc2	1,830832745	0,69156
Dtx3	1,829817797	0,69002
Rpl17	1,82918374	0,72319
Rab27a	1,82918374	0,80292
9330160F10Rik	1,828803412	1
Akap10	1,82829643	0,91485
Gm43637	1,828169706	1
Gm5075	1,82740955	1
Gm5121	1,826902955	1
Fbxo33	1,823992756	0,63673
Gm2214	1,823866331	1
Lrrc49	1,823613507	1
Gm7565	1,822602561	1
Sgk1	1,822476232	1
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Gm15441	1,82184472	1
Gm23100	1,82184472	1
Tslp	1,820203811	1
Fam229b	1,820077648	1
Faah	1,819951494	1
Gm1848	1,819446967	1
Matk	1,819320857	1
Cit	1,819194755	0,90082
Ccdc50-ps	1,817430254	0,88743
Frat2	1,817052369	0,46478
Gm5577	1,816422736	1
B230317F23Rik	1,816296835	1
Tap2	1,815919186	1
Hnrnpa3	1,815793321	0,69156
Gm2788	1,815793321	1
Rpsa-ps2	1,815793321	1
Ccng2	1,815541616	0,75896
Gm8719	1,814409375	1
Rps23-ps2	1,80900952	1
Csrp2	1,808758755	1
Gm14494	1,808633386	1
Gm5909	1,807505454	0,99168
Myh11	1,806628659	1
Gm12097	1,806378225	1
Gm45380	1,806002638	1
E130201H02Rik	1,805501977	1
Snord55	1,805251699	1

Gm38297	1,804751246	1
RP24-91J7.1	1,804626154	1
Cenpp	1,803125733	1
Gm6088	1,80237599	1
Gsg1	1,802001235	0,97786
Gm14537	1,800378199	1
Gm13567	1,799380134	1
Gm12751	1,799130704	1
Tcte2	1,798507281	1
Diaph3	1,798257972	1
Kif11	1,798008698	0,82508
Gm11956	1,795393404	1
Rilp	1,795393404	1
Piga	1,795268961	0,53708
Ahcyl2	1,793154752	1
Bub1	1,792409154	0,73611
Ccdc69	1,792036472	1
Gm11759	1,791912262	1
Ctps2	1,791415507	1
Spata2	1,79091889	1
Gm44270	1,790794758	1
Rpl21-ps6	1,789926069	0,98276
Gm8494	1,789926069	1
Gm13270	1,789429865	1
Rps11-ps4	1,788809804	1
Sep 01	1,788561839	1
Nbas	1,788313909	0,82763
Teddm2	1,787570325	1
Uhrf1	1,787198649	1
Mtfr2	1,787198649	1
Srfbp1	1,78620789	0,64448
Gm6159	1,786084084	0,76857
Capn1	1,785465181	0,66992
Gm15853	1,783980691	1
2700033N17Rik	1,783733396	1
RP23-426K2.3	1,783486135	1
RP24-275P22.2	1,783362517	1
Myh7b	1,782373885	1
Ect2	1,781879775	1
Slc36a3os	1,781509282	1
Gm13092	1,781262329	1
Setdb2	1,781262329	1
Gm37653	1,781015411	1
Sik2	1,780274861	0,89904
Gm44884	1,779287941	1
A130014A01Rik	1,778301568	1
Ahcy	1,77743894	1
Gm26656	1,77743894	1
Runx2os1	1,776330462	1
4933421A08Rik	1,77559186	1
Rps15a-ps5	1,77546879	1
Gm42908	1,775345728	1

Trem14	1,775345728	1
Rnu11	1,77436154	1
Pfkfb3	1,772886281	0,75819
9330102E08Rik	1,772886281	1
Lig1	1,771903457	0,31655
Gm15501	1,771289468	0,85568
2410080I02Rik	1,771166696	1
Rps4x-ps	1,769816764	1
4931428F04Rik	1,769448779	1
Vps51	1,768958252	0,78876
Gm15530	1,768835641	1
Ift80	1,767977605	0,87916
Gon7	1,766752561	0,58493
Sft2d1	1,766752561	1
Gm15289	1,766385213	1
Socs2	1,766385213	1
Ccdc134	1,765283628	1
Atp5g2	1,765038925	1
Dis3l2	1,763693663	0,99433
Tle6	1,763204731	1
Rpsa-ps4	1,762715935	1
Depdc1b	1,76210513	1
Med22	1,761494536	0,71713
Cfp	1,759542059	1
Tbc1d31	1,75832286	0,7687
Cenpk	1,758079122	1
Dock6	1,758079122	1
E230032D23Rik	1,757469924	1
G6pc3	1,757348109	0,75896
Gm45749	1,755400228	1
Eno2	1,755035241	0,61999
Fsd1l	1,755035241	1
Rpl31-ps1	1,754062313	1
Adarb1	1,753940734	0,97386
Gm12469	1,752725417	1
Cdc6	1,752482454	1
Bloc1s1	1,752118073	1
RP24-418P10.4	1,751510941	1
Aim1l	1,751268147	1
Platr3	1,751146762	1
Nucb1	1,750539966	0,37975
Tsc22d2	1,750297307	0,41207
Col11a2	1,74896328	1
Gm12479	1,74896328	1
Gm5944	1,747751411	1
Atf7	1,747630271	0,80292
Arl14epl	1,747509138	1
Kif20b	1,747388014	0,8302
Pygl	1,746782521	1
Chchd10	1,746540382	1
Gm38319	1,746298277	1
Gm5239	1,745693161	1

Med16	1,743758199	0,87445
Gm12604	1,743516479	1
Mtl5	1,743274793	1
Gm14794	1,743153963	1
Zfyve28	1,742791522	1
A230028O05Rik	1,742670725	1
Oas1d	1,742549936	1
Cnnm2	1,742066866	1
Ccdc117	1,741704651	0,60655
Gm37678	1,739894705	1
Rpl36	1,739412371	1
Capza1	1,738809641	1
Gstt2	1,738086641	1
Ift88	1,737725253	1
C330006A16Rik	1,737363941	0,70844
Zfp511	1,737363941	0,97665
C430042M11Rik	1,736761921	1
Nudt19	1,736039772	0,91425
Gm11989	1,735438211	1
Rpl27-ps3	1,734716613	1
Vdac3-ps1	1,734716613	1
Zeb2os	1,734476146	1
Gm20689	1,734235714	1
BC055324	1,73411551	0,82683
Gm42567	1,733514615	1
Hcn2	1,733514615	1
5031425F14Rik	1,733394461	1
Gm17150	1,731953264	1
Pnpt1	1,731833218	1
Uggt2	1,731833218	1
Gm20223	1,731833218	1
Mad2l1	1,731593152	1
Atf5	1,730633219	0,67619
Tmsb10	1,730153452	1
Gm10012	1,729793714	1
Gm38043	1,729673818	1
Nadk2	1,727996146	0,93871
Eri3	1,727996146	1
C78859	1,727277642	1
Kifc2	1,727157921	1
Pltp	1,726798806	0,57246
Trmt112	1,726798806	0,88097
Uba52	1,726798806	1
Pmaip1	1,726679117	0,8302
Gm13998	1,726679117	1
Ccnj	1,726559437	1
Rpl30-ps2	1,726200446	1
Ppfia3	1,725961161	0,99433
Gm26737	1,723809082	1
Edil3	1,723689601	0,89904
Tgif2	1,722972888	0,88644
Icam4	1,721182408	1

Gm13498	1,720824536	1
1110035H17Rik	1,720228247	1
Pxylp1	1,717964232	1
Bsdc1	1,717249899	1
Mif	1,715584278	0,87959
Pabpc4	1,715227569	0,7038
Prr11	1,714395538	1
Hsf2bp	1,714395538	1
Cox5b	1,714157888	1
Gna12	1,713801476	0,98276
Gm11531	1,71356391	1
Ube2v1	1,713445138	1
Bnip3l	1,712376569	0,90176
Epm2a	1,71225788	1
Gm7504	1,71225788	1
AV356131	1,711071445	0,76524
5730508B09Rik	1,711071445	1
Zfp326	1,710715675	0,62415
Cbx5	1,710597101	0,60655
Fancb	1,710597101	1
Gm28557	1,710597101	1
B230219D22Rik	1,710359978	0,69628
Ndufa4l2	1,710004356	1
8430429K09Rik	1,709767315	1
RP24-84C23.4	1,709648807	1
Lnpep	1,709648807	1
C87436	1,709648807	1
Tia1	1,709174858	0,96965
Gm43569	1,709056391	1
Hnrnp2	1,709056391	1
Mogat1	1,709056391	1
Itgb3bp	1,709056391	1
Oas1b	1,708345762	1
Spsb2	1,708227353	1
Ccdc17	1,707517069	1
Fbxo5	1,706215648	1
Serpini1	1,705269784	1
9230116N13Rik	1,704442582	1
Gm23849	1,704324443	1
Snrpc	1,704206313	1
Gm8430	1,703970076	0,91009
Ppp2cb	1,703379627	1
Ywhah	1,702435335	1
Gm14650	1,702435335	1
2610318N02Rik	1,701609508	1
Foxj3	1,70031259	0,99433
Hip1r	1,699605597	1
Nfatc2	1,699487794	0,96902
Kcnd1	1,698074787	1
RP23-325K4.10	1,69795709	0,91122
Nfkb2	1,697015803	1
Pyroxd2	1,696898179	1

Tra2a	1,696310181	0,63408
Gm11868	1,696310181	1
Gm42576	1,695252298	1
B3gnt6	1,695134796	1
Atxn2l	1,695017302	0,71713
Plxna3	1,694899817	1
Rps6-ps4	1,694312511	1
Gm13712	1,694312511	1
Rps3a1	1,692903807	1
Htr2b	1,692786468	1
1700061G19Rik	1,6924345	0,96965
Gm12280	1,6924345	1
Ahdc1	1,692199895	1
Hist1h2bc	1,692082604	0,82508
Rps15a-ps7	1,692082604	1
Gm45630	1,691379033	1
RP24-351I17.3	1,691379033	1
Rpl32-ps	1,690792948	1
Rasgef1b	1,690441394	0,9085
Coa6	1,690089913	1
RP23-205H11.3	1,689270075	1
Gm11539	1,688918838	0,71713
Abcg4	1,687982562	1
Arsa	1,687748574	1
Flt1	1,687397653	1
Vwa8	1,687280696	1
Espl1	1,686812947	1
Prr3	1,686228443	1
Gm6640	1,685877839	1
Tmem176a	1,685644142	0,91122
Prelid3a	1,684592911	1
Siglec1	1,684476148	1
Tma7	1,684359393	1
Gm13038	1,684009177	1
Gm5601	1,683659033	1
AA474408	1,683659033	1
Zdhhc18	1,683192288	0,87195
Gbe1	1,683192288	0,90649
Ankzf1	1,683192288	1
2900076A07Rik	1,682492414	1
Gm11889	1,682259187	1
Rps10-ps2	1,681676262	1
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Ncapg	1,681559701	1
Gm12164	1,681443148	1
Otub1	1,681093538	0,91122
Cenpn	1,6801616	1
Gm9008	1,6801616	1
Atp6v0c	1,679928696	1
Trp53rkb	1,679346578	1
Jund	1,678531952	0,70124
Gys1	1,678415609	0,709

Map3k8	1,677717721	0,93621
Rps19-ps12	1,677717721	1
Cdhr4	1,677717721	1
Gm14769	1,677601434	1
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Smco3	1,676322815	1
Gm9521	1,676206625	1
Rpl31-ps8	1,675741946	1
Igf1	1,675625797	0,76982
Cdkl3	1,67469689	1
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Kremen1	1,674116585	1
Pyurf	1,674116585	1
Tmx2	1,673188515	1
1700003G18Rik	1,672956578	1
Fancd2	1,672608732	1
Klkb1	1,670754778	1
Gm2986	1,670638974	1
Blm	1,67040739	1
Gm23127	1,67040739	1
Nek2	1,670175839	1
Id1	1,669249953	0,96965
Rpl30-ps1	1,668555876	1
mt-Co1	1,668093318	0,75366
Gm42851	1,667515302	1
Naa60	1,667168588	0,91122
Gm12089	1,667168588	1
Hsp90aa1	1,666937485	0,86224
Rps6-ps3	1,666706414	1
Tsga10ip	1,666706414	1
Fam134c	1,666590891	1
Parp6	1,666359868	0,97884
Atp5l-ps1	1,666013395	1
Rps7	1,665897919	1
Tgfb1	1,665666993	0,89904
Batf2	1,665205236	1
Anp32-ps	1,664859002	1
RP23-114G13.7	1,664743607	1
Slx1b	1,664282106	1
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Map3k12	1,663013638	1
Arsb	1,662783111	1
Cir1	1,661515786	0,96868
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Nxn	1,659444064	1
Gm13368	1,659444064	1
Rdh13	1,658064351	0,88803

Parpbp	1,658064351	1
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Gm37558	1,657489809	1
Cox7a1	1,657489809	1
Gm5745	1,657145179	1
Morn2	1,657145179	1
Lonrf3	1,656456135	0,96062
Coq10b	1,655882151	1
BC051226	1,655537856	1
Raly	1,655308365	1
Clec4a2	1,6545054	1
Hist1h1e	1,654161391	0,96868
Lamtor3	1,653817453	1
Aldh6a1	1,653473587	1
Gm13803	1,653015211	1
Pnp	1,652900636	1
Ccdc15	1,652671512	1
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2310047D07Rik	1,651640843	1
Zfp78	1,651182974	1
Metap1d	1,650954088	1
Spire1	1,650496409	0,98276
Gm13450	1,650267618	1
Car13	1,650153234	1
Prss35	1,649352769	1
Accsl	1,649352769	1
Klhl40	1,649352769	1
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H2-Q7	1,648209921	1
Gm16045	1,648209921	1
Anapc5	1,646953702	0,76857
Acad10	1,646839548	1
Sowahc	1,646497133	1
Tpt1-ps3	1,6459266	1
Ankrd35	1,645014157	1
Gdap10	1,644900137	1
Gm5446	1,644672122	1
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Mocs1	1,644330157	1
Gm6272	1,64410222	1
Hipk2	1,643646442	0,96965
Slc25a38	1,643532517	1
Pea15a	1,643304691	0,99433
Rpl13	1,643304691	1
Pclaf	1,642963011	0,94611
Gm8268	1,642279863	1
Cnep1r1	1,641597001	1
Ksr1	1,641483218	1
Aldh1l1	1,640914421	1
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Wdcp	1,640800686	1

Thap8	1,640686958	1
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2610203C22Rik	1,640459526	1
Rarg	1,640232126	1
Gm12504	1,640118438	1
Rpl21-ps12	1,640118438	1
Gm8894	1,640004758	1
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Supt20	1,639095598	1
Nsdhl	1,638981988	1
Gm22009	1,638527629	1
Ms4a6b	1,638300497	1
Luc7l3	1,638186942	0,98403
Rpl31	1,637959857	0,83381
Rps19-ps11	1,637619288	1
Ank3	1,636824903	1
Grtp1	1,636711451	1
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Dock2	1,634557354	1
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Kat2b	1,634217493	1
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Spcs2-ps	1,633877702	1
Hmmr	1,633764454	1
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Gng5	1,630370667	1
Ubal2	1,629128045	1
Cdh23	1,628902215	1
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Arhgap27os2	1,626420157	1
Stard4	1,625067901	0,96062
Asb10	1,624955264	1
Rusc1	1,624504793	0,99967
Cdca2	1,624392195	1
Atl3	1,623379162	1
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Speg	1,609374412	1
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Med14	1,606810729	1
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Borcs8	1,604139936	1
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Tsix	1,59416394	1

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Rps8	1,582055268	0,84226
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Ccl5	1,581287836	1
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Adgre1	1,580959051	0,99433
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2900009J06Rik	1,579425622	1
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Tbx6	1,577674954	1
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Scp2-ps2	1,574615953	1
Smagp	1,57439768	1
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Vamp7-ps	1,571889714	1
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Tpx2	1,553153048	1
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Palb2	1,537621059	1
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Exd2	1,5244618	1
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Fxn	1,521927885	1
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Trpm2	1,508589197	1
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Cdk2ap1	1,505351087	1
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Jun	1,503474084	1
Foxd2os	1,503474084	1
Tmem259	1,50305729	1
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Phkg1	1,501495343	1
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Rad54b	1,499727097	1
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Amhr2	1,494952867	1
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Zfp873	1,494538436	1
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Isyna1	1,494020558	1
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Ccdc25	1,492571455	1
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Mir5128	1,492364555	1
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Arsg	1,491227117	1
Plpp5	1,490917057	1
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Psenen	1,235846875	1
Haus8	1,235846875	1
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Blvrb	1,235161766	1
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Marf1	1,22010051	1
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Gdf9	1,219339609	1
Dph6	1,219339609	1
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Zyx	1,21175665	1
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Fdxr	1,211000953	1
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Atox1	1,210665238	1
Otx1	1,210581324	1
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Vezf1	1,185750108	1
Cdipt	1,185503564	1
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2310009A05Rik	-0,037981	1
Ndr2	-0,038143	1
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Rpl31-ps16	-0,038269	1

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Senp2	-0,050919	1
Ptpn1	-0,050903	1
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Sertad2	-0,33961	1
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Mark3	-0,34803	1
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RP23-307F3.6	-0,34836	1
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Sp2	-0,35901	1
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Shprh	-0,38557	1
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Set	-0,38669	1
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Ythdf1	-0,3881	1
Adam10	-0,38817	1
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Helz	-0,38874	1
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Pcyt1a	-0,42047	1
Smim10l1	-0,42091	1
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Sssca1	-0,42305	1
Zfp84	-0,42315	1
RP23-312A24.1	-0,42321	1
Il17rc	-0,42334	1
Gab3	-0,42343	1
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Adck1	-0,42385	1
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2810405F17Rik	-0,42666	1
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Senp1	-0,4298	1
Anxa7	-0,43003	1
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Calu	-0,43063	1
Cerk	-0,43074	1
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Ercc8	-0,43106	1
Mgrn1	-0,4312	1
Adam8	-0,43134	1
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Ppp1r8	-0,43187	1
Dhrs13	-0,43204	1
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Psme2	-0,43209	1
Adam17	-0,43231	1
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Msr1	-0,43364	1
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Slc35b4	-0,43411	1
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Cfap36	-0,43625	1
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Prkrip1	-0,43757	1
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Mapkapk2	-0,43832	1
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Gm42515	-0,43967	1
Pex16	-0,43978	1
Gas2l1	-0,43997	1
Cse1l	-0,44002	1
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Mios	-0,44094	1
Fech	-0,44125	1
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1300002E11Rik	-0,4414	1
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Mrpl36	-0,44192	1
Car7	-0,44233	1
Slc25a51	-0,44231	1
Recql5	-0,44237	1
Phtf1os	-0,44243	1
Ormdl1	-0,44249	1
Rgs8	-0,44279	1
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Snx33	-0,443	1
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Pramef8	-0,4433	1
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Hdc	-0,4434	1
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Llph-ps2	-0,44456	1
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Prorsd1	-0,46029	1
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Extl1	-0,46172	1
Sp3os	-0,46198	1
Hnrnpul2	-0,46219	1
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Gm13140	-0,46283	1
Slc29a3	-0,46301	1
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Rbck1	-0,46334	1
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Cat	-0,46353	1
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Taok1	-0,46485	1
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Ybey	-0,46819	1
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Apbb2	-0,4684	1
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Cldn12	-0,46879	1
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Xrn1	-0,47473	1
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Txk	-0,47504	1
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Sf3a3	-0,48382	1
Ppm1d	-0,48398	1
Capn5	-0,48439	1
Ank2	-0,48446	1
Plekhg5	-0,48481	1
1110059G10Rik	-0,48503	1
Ebag9	-0,48561	1
Stam2	-0,48569	1
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Card9	-0,48679	1
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Exosc1	-0,48842	1
Minpp1	-0,48852	1
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Senp6	-0,48879	1
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Il4ra	-0,48925	1
Cd276	-0,48951	1
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Med4	-0,4905	1
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RP24-282C4.9	-0,49197	1
Oxsr1	-0,49208	1
Lipt2	-0,49242	1
Srrm2	-0,49252	1
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Arid1b	-0,4942	1
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Msra	-0,49564	1
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RP23-36H21.3	-0,4977	1
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Pptc7	-0,49786	1
Slk	-0,49788	1
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Bcl2l1	-0,49803	1
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Carmil1	-0,49832	1
Nudc-ps1	-0,49914	1
Sirt7	-0,49918	1
Ankrd54	-0,49939	1
Cand1	-0,49946	1
9030407P20Rik	-0,49949	1
Snrpa1	-0,50015	1
2700049A03Rik	-0,50011	1
Brf2	-0,50023	1
Slc26a6	-0,50074	1
Mrpl37	-0,50087	1
Gsap	-0,50092	1
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Cul4a	-0,50114	1
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Ocel1	-0,50228	1
Ccr2	-0,50227	1
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2610507B11Rik	-0,50354	1
Uba5	-0,50356	1
Reep6	-0,50374	1
Gm3617	-0,50396	1
Trim25	-0,50434	1
Phf3	-0,50451	1
Gm5805	-0,50445	1
1700047K16Rik	-0,5047	1
Mgat5	-0,50503	1
Cox18	-0,50499	1
Calcoco1	-0,50512	1
Nt5e	-0,5051	1
Rpl28-ps3	-0,50573	1
Zfhx2	-0,50576	1
Lym2	-0,50618	1
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Cul2	-0,50628	1
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Pdik1l	-0,50756	1
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Med24	-0,50797	1
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Ano8	-0,50902	1
Naip6	-0,5096	1
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Dynlt1-ps1	-0,51001	1
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Ints11	-0,51091	1
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Tnfrsf1a	-0,51394	1
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Spata7	-0,51593	1
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Adat3	-0,51723	1
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Syk	-0,52003	1
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G6pdx	-0,52442	1
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Tcirg1	-0,52464	1
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Ebna1bp2	-0,52623	1
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Hus1	-0,53226	1
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Rab10	-0,53311	1
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Fn3k	-0,53345	1
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Per2	-0,53928	1
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Trak2	-0,53993	1

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Elk3	-0,54979	1
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RP24-131G14.10	-0,55154	1

Rad54l2	-0,55177	1
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Rere	-0,5585	1
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Caml	-0,57402	1
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Pfkfb2	-0,57575	1
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Fut10	-0,57746	1
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Mief1	-0,57834	1
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Tor4a	-0,60493	1
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Nos3	-0,6055	1
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Atp6v0d2	-0,6076	1
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RP23-225D5.4	-0,61588	1
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Fam161a	-0,61637	1
Man2c1os	-0,61636	1
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Sucla2	-0,61936	1
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Setdb1	-0,62218	1
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Exog	-0,62279	1

Phf14	-0,62317	1
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Apbb1ip	-0,62345	1
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Exoc7	-0,62359	1
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Zfp174	-0,62369	1
Enkd1	-0,62386	1
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Cav2	-0,62413	1
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Ermap	-0,62493	1
2610037D02Rik	-0,62504	1
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Klhdc3	-0,62654	1
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Chrac1	-0,63042	1
Map3k11	-0,63045	1
Hs1bp3	-0,63065	1
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Gm38055	-0,63085	1
Gm15157	-0,63116	1
App	-0,63145	1
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Sec13	-0,6334	1
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Blvra	-0,63367	1
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Lgals4	-0,63531	1
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Slc9a8	-0,63661	1
Cpt2	-0,63662	1
Mir3091	-0,637	1
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Rhbdd3	-0,63735	1
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Mblac2	-0,64238	1
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4732491K20Rik	-0,6437	1
Ppp4r2	-0,64396	1
Ptpa	-0,64414	1
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Gm45501	-0,64448	1
Irak4	-0,64461	1
Mirlet7b	-0,6451	1
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Dbnl	-0,64578	1
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Polr2a	-0,6462	1
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Thada	-0,65275	1
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Vash2	-0,65401	1
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Son	-0,65732	1
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Klc3	-0,65816	1
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Adora2b	-0,65932	1
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Sun1	-0,66027	1
Dfna5	-0,66044	1
Stc1	-0,66043	1
Mex3c	-0,66078	1

Kcnb1	-0,6609	1
Trip11	-0,66134	1
Asxl2	-0,66137	1
St18	-0,66156	1
Cers2	-0,66228	0,94611
Tmem115	-0,66236	1
Prmt3	-0,66247	1
Adamts1	-0,66251	1
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Gtf2h1	-0,66304	1
Fam32a	-0,66308	0,99584
C130071C03Rik	-0,66314	1
Hectd1	-0,66315	0,93061
Riox1	-0,66335	1
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Gm14853	-0,66367	1
Gm26514	-0,66373	1
Stac3	-0,6637	1
Stard7	-0,66392	1
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Osgin1	-0,66426	1
Tnfaip2	-0,66463	1
Mrpl17	-0,66482	1
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Parp3	-0,66627	1
Bpnt1	-0,66668	1
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Gm37305	-0,66715	1
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Nol6	-0,66768	1
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Sft2d3	-0,6679	1
Slc41a2	-0,66833	1
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Pycr2	-0,66914	1
Zfp445	-0,66926	1
Rps6ka3	-0,66963	1
Sephs2	-0,6706	1
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Catsperg1	-0,67133	1
Ttbk2	-0,67191	1
Ttpal	-0,67234	1
Zbtb48	-0,6723	1
Ehd2	-0,67243	1
Cpsf3	-0,67255	1
Uqcc1	-0,67281	1
Mypopos	-0,67288	1
Wdr6	-0,6732	1

Llg12	-0,67315	1
Gm5532	-0,67344	1
Dennd2d	-0,67357	1
Parp4	-0,67361	1
Epc1	-0,67372	1
Zfp955a	-0,67513	1
Ppm1l	-0,67526	1
Thoc3	-0,67558	1
Lin37	-0,67613	1
Gramd1b	-0,6765	1
Gm11131	-0,67647	1
E130102H24Rik	-0,67649	1
Rsl1	-0,67653	1
Psme2b	-0,67677	1
RP24-84O13.9	-0,67689	1
Gm28071	-0,67694	1
Gm42893	-0,67743	1
Frmd8os	-0,67769	1
Zfp472	-0,67785	1
Ckap4	-0,67823	0,88998
Flywch1	-0,67839	1
Gm8168	-0,67858	1
Zfp473	-0,67907	1
Bcl2l15	-0,67942	1
Alg3	-0,68072	1
9030624J02Rik	-0,68131	1
Ier2	-0,68235	1
RP24-131G14.13	-0,6825	1
Hsdl1	-0,6825	1
Plekhg4	-0,68247	1
Gm38235	-0,68321	1
Dus1l	-0,68341	1
Cyb5rl	-0,68381	1
Zfp579	-0,68391	1
Slco4a1	-0,68401	0,79924
Nup37	-0,6841	1
Cdc14a	-0,68432	1
Gm45137	-0,68432	1
1110002L01Rik	-0,68442	1
6430548M08Rik	-0,68481	1
Gm38120	-0,68549	1
A630081D01Rik	-0,68554	1
Zc4h2	-0,68607	1
Rap1b	-0,6862	0,79589
Mkl1	-0,68619	1
Sdad1	-0,68629	0,99653
Mrps35	-0,68649	1
Tmigd3	-0,68664	1
Alg5	-0,68693	1
Rpap1	-0,68709	1
Gm45495	-0,68733	1
Ints3	-0,68737	0,94463

Dhps	-0,68739	1
Cdk5r1	-0,68802	1
Btbd19	-0,68822	1
Akap17b	-0,68847	1
Mbip	-0,68886	1
Fance	-0,689	1
Tmem129	-0,68916	1
Gm9732	-0,68949	1
Stat1	-0,68967	1
Hspa2	-0,68999	1
Dnaaf2	-0,69005	1
Jarid2	-0,69127	0,99716
Slfn5	-0,69234	1
Gm28875	-0,69294	0,96252
Slc7a11	-0,69315	1
Slc25a33	-0,69326	1
Rhbdf1	-0,69345	1
9930012K11Rik	-0,69443	1
Gabrd	-0,69442	1
Dyrk2	-0,69451	1
D630045J12Rik	-0,69468	1
Tacc2	-0,69481	1
Bc1-ps1	-0,69489	1
Zbtb5	-0,69513	1
Ints10	-0,6953	1
Ssu72	-0,69539	0,96965
Tgfb1i1	-0,69548	1
Tmem19	-0,69625	1
Iffo2	-0,69656	1
Tmem220	-0,69676	1
Arl11	-0,6976	1
Gm37675	-0,69791	1
Crygn	-0,69834	1
Zfp865	-0,6986	1
Rbm6	-0,69932	1
Phospho2	-0,69937	1
Chchd4	-0,69981	0,94611
Ccdc120	-0,70003	1
Pxdn	-0,70023	1
Tsc22d4	-0,70046	1
Gm38200	-0,70133	1
Themis2	-0,70157	1
Casd1	-0,70171	1
Zfp235	-0,7021	1
Gm38262	-0,70229	1
Slc35e2	-0,70238	1
Tmem8b	-0,70249	1
Rab19	-0,70284	1
Pex11g	-0,70343	1
Myo10	-0,70395	1
RP23-402A24.3	-0,70446	1
Ntmt1	-0,70491	1

Cd300lb	-0,70516	0,81122
Noc2l	-0,70551	0,86336
Nsun5	-0,7058	1
Riok1	-0,70616	1
Mettl21a	-0,70671	1
Adprh	-0,70677	0,94053
Chordc1	-0,70709	0,7966
Fbxo25	-0,7082	1
Asb7	-0,70824	1
Aatf	-0,70861	1
Pex12	-0,70856	1
Ice1	-0,70902	1
5430427O19Rik	-0,70925	1
Fam46c	-0,70928	1
Nphp3	-0,70937	1
Mysm1	-0,70978	1
Cebpd	-0,70989	1
Fam208b	-0,71061	1
Dbndd2	-0,71066	1
U2surp	-0,71096	0,77955
Adck5	-0,71125	1
Fam160b2	-0,71158	1
E430021H15Rik	-0,71303	1
Hoga1	-0,71306	1
Elf2	-0,71366	1
Cd101	-0,71384	1
Cdo1	-0,71393	1
Gm44509	-0,71432	1
Gm19620	-0,7143	1
Parp16	-0,71544	1
Gm42481	-0,71551	1
Slc1a5	-0,7156	0,80245
Coro1c	-0,71628	0,79011
Gm44699	-0,71642	1
Hirip3	-0,7167	1
Coa7	-0,71705	1
Nfs1	-0,71811	1
Tlr7	-0,71809	1
Dennd2a	-0,71851	1
Tdrd3	-0,7187	1
Mst1	-0,71893	1
Actn1	-0,71923	0,84226
Slc22a5	-0,71935	1
0610007P14Rik	-0,7195	1
Ythdf2	-0,7216	0,90082
Rpf2	-0,72245	0,95318
Gm8925	-0,72265	1
Enc1	-0,72302	0,88097
Gm43707	-0,72311	1
Adssl1	-0,72339	0,88743
Zdhhc7	-0,72356	1
Dnajb5	-0,72387	1

Gm37900	-0,72408	1
Myl6b	-0,72435	1
Sgms1	-0,72447	1
Zfp113	-0,72461	1
0610010F05Rik	-0,7246	1
Pelp1	-0,72493	1
Car2	-0,72547	1
Gmpr	-0,72631	1
Kif13b	-0,72741	1
Nip7	-0,72753	0,8302
BC005537	-0,72749	0,95022
Gm22748	-0,72754	1
Slc38a7	-0,72805	1
Fkbp1	-0,72907	1
Wbscr27	-0,7296	1
Rnasel	-0,72997	1
Cwc25	-0,7301	1
Faf2	-0,73045	1
Rtfdc1	-0,73064	1
Wrnip1	-0,73109	1
Tmem43	-0,7315	0,59911
Rdh14	-0,73149	1
Gsg2	-0,73149	1
Catip	-0,732	1
Igf2bp2	-0,73284	0,86543
B230216N24Rik	-0,73294	1
Zfp446	-0,733	1
Pde8a	-0,73307	1
Gnl3	-0,73318	0,86543
Cmtr1	-0,7333	1
Rapgef1	-0,73362	0,83621
Egr2	-0,73379	1
Gm13835	-0,73464	1
Cul5	-0,73488	0,81122
Gm38380	-0,73509	1
Pde4a	-0,73539	1
Acsf3	-0,7355	1
Clptm1l	-0,73604	0,74095
9930111J21Rik2	-0,73659	1
Gm43788	-0,73717	1
Retsat	-0,73768	1
Slc2a4rg-ps	-0,73772	1
Med8	-0,73785	1
Ascl2	-0,73787	1
Gm43411	-0,73786	1
Klf9	-0,73862	0,52341
Adsl	-0,73869	1
Arhgap31	-0,73909	1
Arfgap1	-0,73922	1
Jmy	-0,73931	0,99623
Mdn1	-0,74002	0,88803
Il1rap	-0,74038	1

Slc39a9	-0,74202	1
Snx16	-0,74247	1
Kri1	-0,74412	1
Aptx	-0,74429	1
Ifngr1	-0,74458	1
Slc39a2	-0,74579	1
Ccar2	-0,74582	1
Zfp821	-0,74642	1
Gm14585	-0,74684	1
Rpl36a-ps1	-0,74687	1
Gnat2	-0,74699	1
Slc38a1	-0,74715	0,70124
Paxip1	-0,74755	1
Maip1	-0,7483	1
Cep78	-0,74835	1
Gm38162	-0,74832	1
Ppfibp1	-0,74867	0,82763
Phf20	-0,74889	0,81122
6330403L08Rik	-0,749	1
Snord118	-0,74911	1
Zfp983	-0,74934	1
Prtg	-0,74937	1
1810030O07Rik	-0,74993	1
Mrnip	-0,75011	1
Rasgrp3	-0,75021	0,80292
Zbtb8os	-0,75078	1
Rad	-0,75175	1
Lgals2	-0,75179	1
Lrrc8b	-0,75195	1
Hmgxb4	-0,75234	1
RP23-403E19.1	-0,75342	1
Zpr1	-0,7538	0,72537
Rrp9	-0,75528	1
Ralgapb	-0,75564	0,85541
5830444B04Rik	-0,75629	1
Eid2b	-0,75632	1
Fam129c	-0,75645	1
Ccdc57	-0,75703	1
Tsc2	-0,75747	1
Nelfa	-0,75786	1
Gtf2h2	-0,75868	1
Rfx5	-0,7588	0,80732
Spryd3	-0,75935	1
Gm14403	-0,75968	1
Tm9sf2	-0,76183	0,60655
Emp2	-0,762	1
D3Ertd254e	-0,76234	1
Vac14	-0,76247	1
Inpp5e	-0,76267	1
Eef1akmt1	-0,763	1
Ccdc80	-0,76351	1
Psmg2	-0,7639	0,98024

Mlycd	-0,7639	1
Faap24	-0,76431	1
Tbc1d32	-0,7647	1
Rcan1	-0,76483	0,98329
Tti2	-0,7655	1
Mical2	-0,76595	1
Uchl4	-0,76634	1
Gm37660	-0,76701	1
6720464F23Rik	-0,76701	1
Tubb6	-0,76789	0,89904
Hebp2	-0,76857	1
Gm22973	-0,76859	1
Ndufaf7	-0,76884	1
Gm6245	-0,76889	1
Phb	-0,76919	1
Tiam1	-0,76945	1
Gm45871	-0,76972	1
Tmem37	-0,77	1
Otub2	-0,77048	1
Gm44250	-0,77067	1
Gm37238	-0,77071	1
Wars2	-0,77079	1
Ift74	-0,77089	1
Ranbp1	-0,77099	1
2810004N23Rik	-0,77179	0,72319
Clec5a	-0,77209	1
Tnk2	-0,77275	1
Tsen34	-0,77275	1
Med1	-0,7728	0,61306
Zbtb39	-0,77289	1
Ddx17	-0,774	0,79924
Gm6206	-0,7744	1
Dsel	-0,77481	1
Fam13c	-0,77508	1
Exosc4	-0,77528	1
Smg8	-0,77605	0,92647
Acsbg1	-0,77601	1
Mmp19	-0,77614	1
Osm	-0,77623	1
AW146154	-0,77629	1
Zfp943	-0,77663	1
Ifit2	-0,77695	1
Gm44053	-0,77699	1
Ifrd1	-0,77733	0,86769
A730062M13Rik	-0,77744	1
Creb5	-0,77815	1
Acvr1	-0,77836	1
Tmem87a	-0,77885	0,83917
Zfp362	-0,77969	1
Fam35a	-0,77979	1
Pou5f2	-0,77981	1
Gm10557	-0,78006	1

Gm2308	-0,78014	1
Zfp69	-0,78014	1
Ttc7	-0,78084	1
Shc4	-0,78107	1
Alg2	-0,78198	1
Ltbr	-0,78217	1
Pdcd11	-0,7829	0,70124
Fus	-0,78295	1
Samd10	-0,78289	1
Gm29284	-0,78329	1
Ophn1	-0,78335	1
Dtx4	-0,78405	0,59383
Htra2	-0,78422	0,85568
Alkbh4	-0,78417	1
Zfp281	-0,78448	1
Wdr11	-0,78513	1
Trdmt1	-0,78528	1
Zfp839	-0,78551	1
Zfp217	-0,78563	0,79146
Tmem203	-0,78632	0,88998
Nr6a1	-0,7867	1
Pogz	-0,78701	0,75133
Wipf1	-0,78799	0,88182
AA986860	-0,78823	1
Syvn1	-0,78974	0,83635
Gm42979	-0,78986	1
H2afy	-0,79044	0,60655
Ccdc66	-0,79045	1
Adgre5	-0,79129	1
Gm4734	-0,79145	1
Dopey2	-0,79172	0,94611
Gm43111	-0,7917	1
Smn1	-0,7918	0,58493
Atpaf1	-0,79193	1
Ptpn21	-0,7919	1
Tmem65	-0,79235	0,93061
Pdss2	-0,79272	1
Slc25a20	-0,79276	1
Fth1	-0,79323	0,22865
Gtf3c6	-0,79326	1
Gm10074	-0,79329	1
Mpv17l	-0,79335	1
Gm43792	-0,79344	1
Ncdn	-0,79533	1
B230354K17Rik	-0,7953	1
Zfhx4	-0,79575	0,97786
AU040320	-0,79738	0,96252
2510016D11Rik	-0,79753	1
Rrs1	-0,79757	0,60655
Plxnb3	-0,79762	1
Ttl	-0,79815	0,96062
Gm45853	-0,79835	1

Stoml1	-0,79881	1
Timm23	-0,79992	1
Gm13397	-0,80017	1
Ahnak2	-0,80062	0,79693
Gm43223	-0,80066	1
Rdh10	-0,80115	1
Rnf41	-0,80112	1
Rnf157	-0,80174	0,90569
Top3b	-0,80188	1
Mrps6	-0,80206	0,61068
2810006K23Rik	-0,80217	1
Rhot2	-0,80333	1
Trim32	-0,80461	1
Pla2g5	-0,80563	0,88776
4930590J08Rik	-0,8069	1
Tubd1	-0,80696	1
Rela	-0,80752	0,74329
RP24-93F20.12	-0,80766	1
Wnk2	-0,80878	1
Entpd7	-0,80893	1
Eli	-0,809	0,64497
4930563E22Rik	-0,809	1
Galk1	-0,80953	0,79364
Strn3	-0,8099	0,2049
Aldh3b1	-0,80987	1
Pid1	-0,81013	0,89904
Gm12444	-0,81015	1
2310033P09Rik	-0,81018	0,91169
Kmt5b	-0,81063	1
Ubash3b	-0,81083	0,69648
Gm5251	-0,81091	1
Trim27	-0,81111	0,70829
Mettl2	-0,81224	1
Gm20045	-0,81248	1
Sdcbp2	-0,81259	1
Snx24	-0,81287	1
Lrrc1	-0,81293	1
Pou4f1	-0,81293	1
Gm10268	-0,81298	1
RP23-38L16.3	-0,81346	1
Gm12663	-0,81356	1
Nsrp1	-0,81387	0,82683
Cep68	-0,81457	0,94611
Cep89	-0,81581	1
Ippk	-0,81577	1
Sh3bp5	-0,81603	0,34592
Sfxn5	-0,81628	1
Cxcr3	-0,81722	1
Fam219a	-0,81771	1
Gm43795	-0,81865	1
Taf1c	-0,8199	1
Dcaf11	-0,82011	1

Bnip2	-0,8212	0,6117
RP23-359K10.9	-0,82142	1
Sde2	-0,82222	0,27536
Cep63	-0,82296	1
Gm24927	-0,82298	1
Nudt5	-0,82315	1
Med29	-0,8243	1
Acy1	-0,82442	1
Arhgap30	-0,82453	0,79686
Gm10801	-0,82496	1
Gm45445	-0,82522	1
Slc39a13	-0,82602	0,83917
Dusp14	-0,82609	0,96868
1700029J07Rik	-0,8262	1
Atxn7l3	-0,82634	0,64385
Kctd11	-0,82655	1
Herc3	-0,82656	1
D330041H03Rik	-0,82658	1
Caskin2	-0,82692	1
Gm42636	-0,82703	1
Ptgr1	-0,82723	1
Col20a1	-0,82778	1
D11Wsu47e	-0,82828	1
Mavs	-0,82853	1
Tgfbrap1	-0,82895	1
Exo5	-0,83128	1
Lgals3bp	-0,83152	1
Mrps36-ps2	-0,83161	1
Foxc1	-0,83183	1
Golim4	-0,83214	0,78374
Gm4602	-0,83373	1
Wdr46-ps	-0,83367	1
Nom1	-0,83383	0,71596
Dcaf17	-0,83378	1
Zmiz1	-0,8341	0,63986
Gpalpp1	-0,83516	0,96868
Gpn1	-0,83554	1
Rnmt	-0,83622	0,50956
Tango2	-0,83649	0,96062
Gm15834	-0,83719	1
Zfp93	-0,83717	1
Kbtbd4	-0,83747	1
Slc6a4	-0,83753	1
Cep41	-0,8392	1
Eng	-0,84006	1
Alg14	-0,84052	1
Zfp770	-0,84135	1
Kdm4a	-0,8419	0,35974
Sgsm1	-0,84264	0,3815
Gm38036	-0,84266	1
Fnip2	-0,84349	0,22544
Ears2	-0,84351	1

Gm16433	-0,84454	1
Fam3c	-0,84498	0,72553
Zadh2	-0,84588	0,98099
Nat14	-0,84649	1
Saysd1	-0,84662	1
Gm18916	-0,84697	1
Gm37963	-0,84715	1
Zik1	-0,84717	1
Thap6	-0,84724	1
Ctla2b	-0,84727	1
Grwd1	-0,84791	1
4930518I15Rik	-0,8481	1
Gm37452	-0,84834	1
BC060293	-0,84865	1
Npc1l1	-0,84882	1
AU019823	-0,85052	0,8202
4732440D04Rik	-0,85091	1
Casz1	-0,851	1
Tug1	-0,85118	1
Sac3d1	-0,85148	1
Glyctk	-0,85211	1
Ryk	-0,85273	0,31655
Cep85	-0,85271	0,75896
Vaultrc5	-0,85298	0,65532
Tgs1	-0,85328	0,65428
Toe1	-0,85335	1
Tbc1d13	-0,85345	0,70124
Dedd	-0,8535	1
Zfp62	-0,85357	1
Zbtb2	-0,85383	0,96995
Oxsm	-0,85391	1
1600029O15Rik	-0,85423	1
Rnf8	-0,85483	0,99293
Ppp4r1	-0,85539	1
Gm42872	-0,85651	1
Tmem2	-0,85675	0,98309
Ctbp1	-0,85713	0,59542
Mier2	-0,85756	0,24468
Fhad1	-0,85777	1
Zfp64	-0,85794	0,88075
Stat5b	-0,85829	1
Slc9a3r1	-0,85957	1
Casp1	-0,86006	0,82508
Tirap	-0,86035	0,82825
Ptgir	-0,86046	0,75896
Sgsh	-0,86062	1
Rin3	-0,86128	0,88097
Gsk3b	-0,86151	0,36693
Ttc28	-0,86146	1
Mtrf1l	-0,86206	1
Gm37274	-0,86283	1
Gstt3	-0,86337	1

Bysl	-0,86362	0,57345
Dpp3	-0,8637	1
Gm45728	-0,86405	1
Acot2	-0,86444	1
Twink	-0,86532	0,8913
Mum1	-0,86559	0,92717
Sars2	-0,86564	1
Klhl23	-0,86559	1
Emc4	-0,86566	1
Trub1	-0,86638	0,73186
Tigd5	-0,86686	1
Irf5	-0,86792	0,24968
Zfp418	-0,86835	1
Adgrl2	-0,86867	1
Gm7972	-0,8688	1
Metap2	-0,86908	0,52341
6330418K02Rik	-0,86917	1
Elmo2	-0,8701	1
Gm42483	-0,87059	1
Tmem17	-0,87068	1
Ccdc116	-0,87068	1
Slc4a11	-0,87131	1
Msantd4	-0,8715	0,38327
Zbtb1	-0,8716	1
Ddx59	-0,87166	1
Gm7514	-0,87194	1
Fgd3	-0,87292	0,49119
Gm13205	-0,87306	1
Elf4	-0,87366	1
Gm37333	-0,87371	1
Nkpd1	-0,87375	1
Zfp455	-0,87412	1
2310057M21Rik	-0,87419	0,97084
Tcea2	-0,87423	1
Msi1	-0,87433	1
Nckap1	-0,87463	1
Uvssa	-0,87489	0,8537
Rit1	-0,87608	0,76524
Gm6598	-0,87614	1
Ftsj3	-0,8763	0,39955
Plekhf1	-0,87646	1
Mon1a	-0,87681	1
Pde4d	-0,87716	1
Lrp12	-0,8778	0,85777
Dse	-0,87785	1
Ankrd26	-0,87788	1
Gm37795	-0,87827	1
Arhgap18	-0,87838	0,46182
Gpatch4	-0,87982	0,71976
Lrrc8d	-0,88019	0,55125
Zfp229	-0,88022	1
Zfand4	-0,88045	1

Zfp775	-0,88057	1
Tmem184c	-0,88111	1
Tnfaip8l1	-0,88124	1
Tmem140	-0,88126	1
Mutyh	-0,88141	1
Zfp961	-0,88157	1
Dapk1	-0,88174	0,31655
Bag5	-0,88227	0,69156
Elp2	-0,88249	0,69002
Pms1	-0,88367	1
Piwi12	-0,88385	1
Ralgapa2	-0,88418	1
Psph	-0,88426	1
Atad1	-0,88448	0,81145
Pfkfb4	-0,88515	0,79146
Bccip	-0,8865	1
Arl6	-0,88666	1
Zfp398	-0,88679	1
Gm13992	-0,88704	1
Olfr933	-0,88759	1
B4galt6	-0,88793	0,83385
Zfp119a	-0,88798	1
Mybpc3	-0,88845	1
Pfn2	-0,88925	1
Cited2	-0,88935	0,55815
Ankrd33b	-0,8902	1
Sh3bp5l	-0,89032	0,69156
Usp38	-0,89055	1
Arih1	-0,89061	0,16529
Mex3a	-0,8909	0,95746
Lipt1	-0,8909	1
Mrpl46	-0,89131	1
Ppil3	-0,89148	0,99293
Dnajc8	-0,89186	0,25211
Actr5	-0,89211	0,60691
Gm29488	-0,89213	1
Gm45292	-0,89264	1
Nif3l1	-0,89285	0,85781
Zscan12	-0,89333	0,86543
Gm12582	-0,89488	1
Ankdd1a	-0,89595	1
Gm37482	-0,8976	1
Wbscr22	-0,89856	0,75745
BC037039	-0,89869	1
Zfp26	-0,89995	0,97386
Ifih1	-0,89988	1
Kif13a	-0,90056	1
1700088E04Rik	-0,90098	1
Dusp5	-0,90112	0,97386
Bicd1	-0,90112	1
Oas1c	-0,90146	1
Ccl25	-0,90159	0,91451

Ppcs	-0,90183	1
Zfp526	-0,90207	1
Aqp11	-0,90352	1
AW209491	-0,90389	0,97084
Usp42	-0,90421	0,75366
H3f3b	-0,90566	0,6003
Fam208a	-0,90566	1
Tut1	-0,9058	0,9122
Plagl2	-0,90608	0,85568
Ncoa2	-0,90729	0,60441
Des	-0,90785	1
Lclat1	-0,90819	1
Tmem246	-0,90826	1
Zhx1	-0,90837	0,66031
Ticam1	-0,90864	0,92006
Heatr3	-0,91106	1
Pms2	-0,91133	1
Nek4	-0,91164	1
Brpf1	-0,91181	0,35325
Gm37183	-0,91182	1
Ppm1h	-0,91217	0,96293
Bcl3	-0,9128	1
Spi1	-0,91311	0,37975
Farp2	-0,91382	1
Dgcr8	-0,91394	0,97786
Hpd1	-0,91404	1
Slc39a8	-0,91463	1
Trmt11	-0,9148	1
Fastkd3	-0,91536	0,60655
Dars2	-0,91567	1
Chac1	-0,91595	1
Gm14013	-0,91729	1
Peg12	-0,91746	1
Tmem156	-0,91781	1
Kcnn4	-0,91879	0,1753
Zkscan6	-0,9201	0,7966
Nfu1	-0,92045	1
Polr1a	-0,92081	0,53333
Slc25a15	-0,92078	1
Sdsl	-0,92135	1
Arhgef10	-0,92138	1
Mov10	-0,92194	1
Gm9776	-0,9237	1
Six5	-0,92431	1
Arhgap35	-0,92504	1
Zfp830	-0,92512	0,72473
Gm15541	-0,92522	1
Gm14126	-0,92752	1
Rpp38	-0,92762	1
Dhodh	-0,9282	1
Ssh1	-0,92952	0,83381
Trmt6	-0,93039	0,60655

Tfip11	-0,93123	0,78251
Gls2	-0,93115	1
Scamp1	-0,93192	0,41424
Fam19a3	-0,93265	1
Pin1	-0,93288	0,72319
Gm5054	-0,93301	1
Cyb561d2	-0,93383	1
Gm12421	-0,9338	1
Gm19325	-0,93419	1
Naa40	-0,93451	0,74963
Gm43062	-0,93512	1
Gm6524	-0,93518	1
Cage1	-0,93565	1
Gm11451	-0,93582	1
Gzf1	-0,93682	0,80684
Tysnd1	-0,93729	0,78876
Kmt2e	-0,9392	0,26995
March9	-0,9397	0,58135
Gm37584	-0,93978	1
Ptrf	-0,93987	1
Fosl2	-0,94012	0,22594
Arhgef3	-0,94009	0,97786
Pde4dip	-0,94082	0,85623
Lat2	-0,94168	0,24606
Kctd7	-0,94234	1
Mtif3	-0,9432	0,80245
Hmgb1-ps8	-0,94412	1
Ighmbp2	-0,94481	0,96965
Gm42600	-0,94493	1
Tnnt3	-0,94506	1
Tubgcp3	-0,94517	0,55806
Polr3f	-0,94534	0,75115
Trim68	-0,94641	0,91485
Al987944	-0,94644	0,96868
Snx20	-0,94658	0,55258
Trmt5	-0,94714	1
Fuz	-0,94833	1
Frss1	-0,94923	0,20689
Fam58b	-0,94928	0,85972
Tab3	-0,94927	1
Zfp128	-0,95088	1
Acacb	-0,9509	1
Zfp523	-0,95128	0,80292
Ube4a	-0,95137	1
Zbtb22	-0,9518	0,61999
Slc22a15	-0,95181	1
3110001I22Rik	-0,95186	1
Alg11	-0,95198	0,85085
Rbsn	-0,95204	0,92647
Slc27a4	-0,95233	1
Cebpa	-0,95361	0,60655
Gm13378	-0,95361	1

Vps37d	-0,9538	1
RP23-114G13.1	-0,95425	1
Lrrc47	-0,95475	0,17055
Spr	-0,95486	0,96062
Ctdspl	-0,95495	1
Gm45422	-0,95507	1
Klhl36	-0,95536	1
C1galt1c1	-0,95605	0,95746
Gm38340	-0,95605	0,99716
Bend6	-0,95611	1
Fdxacb1	-0,95625	1
Zfp703	-0,95747	0,79693
Rad1	-0,95774	0,79146
Ivd	-0,96081	1
Fli1	-0,96096	0,42947
Tshz3	-0,96116	0,9122
Nfatc3	-0,96148	0,14064
Tmem116	-0,96158	1
Egr1	-0,96233	0,92161
Efnb1	-0,96227	1
Arid3a	-0,96313	0,8913
Myliip	-0,96322	0,81268
Trappc12	-0,96352	0,65894
Gm42690	-0,96498	1
5730409E04Rik	-0,96594	0,94463
Cyp2u1	-0,96587	1
Csf2rb	-0,96651	0,81145
Zscan20	-0,96743	1
Fen1	-0,9679	0,92192
Mypop	-0,96819	1
Plag1	-0,96873	1
Bid	-0,96915	0,21236
Rab11fip3	-0,96921	1
Gm37116	-0,96989	1
Gm26132	-0,97021	1
Nmi	-0,97087	1
Ndor1	-0,9717	1
Rab23	-0,97192	1
Dhx32	-0,97246	1
Epop	-0,97422	1
Gm20056	-0,97467	1
Gm45534	-0,97608	1
CH25-309J2.1	-0,97824	1
Nr1h2	-0,97865	0,80056
Prr14l	-0,97905	0,56801
Gm42639	-0,98005	0,95298
Ppip5k2	-0,98013	0,35349
Nfkbie	-0,98126	1
Ppan	-0,98155	0,15558
Sec16a	-0,98171	0,91999
Snora73b	-0,98456	0,96062
Zbtb38	-0,98471	0,29124

Mdc1	-0,98501	0,63359
Zbtb11os1	-0,98509	1
Lymr1	-0,98515	0,96965
Zfp426	-0,98574	1
Shq1	-0,98678	1
Paqr7	-0,98688	0,74954
Kif1bp	-0,98769	0,70124
Sepsecs	-0,98831	0,92565
Ankrd39	-0,98839	0,90031
Slc16a6	-0,98908	0,34837
Ublcp1	-0,99006	1
Dnah8	-0,99054	1
Gm38067	-0,99108	1
Fancg	-0,99209	1
Ip6k3	-0,99325	1
Cfap126	-0,99408	1
Gm44822	-0,99551	1
Mppe1	-0,99601	0,85623
Ticam2	-0,99705	0,82683
Polr3a	-0,99968	0,96965
Zhx3	-1,0001	0,99433
BC003965	-1,0002	0,38538
Nprl3	-1,001	1
4930568A12Rik	-1,0024	1
Slc25a14	-1,003	1
Gm37760	-1,0033	0,99168
Sec31b	-1,0038	1
Sbk1	-1,0039	1
Ln timer	-1,0044	0,48645
Knop1	-1,005	0,17055
Uri1	-1,0056	0,32422
Ficd	-1,0062	1
Gm42482	-1,0067	1
Tmem202	-1,0076	1
Zfp319	-1,008	1
Gm20219	-1,0102	1
Trim11	-1,011	0,084574
6430511E19Rik	-1,0112	1
Ppp1r7	-1,0115	0,6844
Zfp180	-1,0117	0,40844
Zfp623	-1,0118	1
Gm42480	-1,0127	0,80245
6430590A07Rik	-1,0127	1
Mocs3	-1,013	1
Rin2	-1,015	0,17098
6030460B20Rik	-1,015	1
Gm42595	-1,0152	1
Simc1	-1,0158	0,71803
Pter	-1,0166	1
Eif1ad	-1,0173	0,41207
Ovca2	-1,0175	0,63986
Ankrd9	-1,018	0,98099

Gm44694	-1,0183	0,87686
2210008F06Rik	-1,0185	1
BC002059	-1,0189	0,38534
Cradd	-1,0198	0,98283
Cep131	-1,0204	0,98546
Gm14698	-1,0227	1
Bet1l	-1,0244	0,24972
Gm43275	-1,0245	1
Celsr3	-1,0248	1
RP24-286J14.3	-1,0251	0,99168
Ccdc14	-1,0254	0,7298
Fam212b	-1,0258	1
Fam175a	-1,0264	0,97201
Utp20	-1,0265	0,60655
Tradd	-1,0269	1
Zfp1	-1,0273	0,90649
Twf1	-1,0275	0,64736
Gm15708	-1,0297	1
C130089K02Rik	-1,0308	0,60655
Mfsd6	-1,0313	0,34168
Pigc	-1,0318	0,33592
Cyb561d1	-1,0326	1
Rab20	-1,0341	0,92192
Sprtn	-1,0347	0,99476
Lars	-1,0356	0,081432
Cbr3	-1,0359	0,23719
Fgfr11	-1,0365	0,87694
Faap100	-1,0369	0,57276
D6Ertd527e	-1,0382	1
Zfp772	-1,0383	1
Snrk	-1,0393	0,53333
4833418N02Rik	-1,0397	1
Zfp874a	-1,0404	0,85781
Amt	-1,0407	1
Pgm5	-1,0408	1
Fem1a	-1,0411	0,1782
B3galnt1	-1,0421	1
Kdm4d	-1,0423	1
Mettl22	-1,0435	1
Agbl3	-1,0437	0,85781
1600002H07Rik	-1,0442	0,79693
Gm15798	-1,0445	1
Gm37494	-1,046	0,96062
Gm6612	-1,0471	1
Gm37490	-1,0486	1
Gm15824	-1,049	1
Gm9256	-1,0494	1
Zkscan5	-1,0516	1
Gm37959	-1,0517	1
Garnl3	-1,0517	1
Al661453	-1,0525	1
Nudt8	-1,0537	1

Susd3	-1,0557	0,18873
Cog8	-1,0559	0,64593
Gramd2	-1,0564	1
Tmcc1	-1,0576	0,58493
Polr1b	-1,058	1
B3gnt1	-1,0582	0,96062
n-R5-8s1	-1,0583	1
Xpot	-1,0584	0,15785
Prss36	-1,0609	1
Nrip1	-1,0622	0,42808
Zfp74	-1,0628	1
Dhx33	-1,0635	0,69156
Sdr42e1	-1,0635	1
St6gal1	-1,0639	0,82683
Hmga2	-1,064	0,035021
Lrrc8a	-1,064	0,75366
Selenos	-1,065	0,07913
Prr12	-1,065	0,76524
Trpv4	-1,0658	0,99967
B230208H11Rik	-1,0682	1
Gm38345	-1,0721	1
Mcat	-1,073	0,85623
4921511C10Rik	-1,0731	1
Gm15513	-1,0735	1
Slc35c1	-1,0736	0,24798
Slc39a11	-1,0752	0,065042
Fam120b	-1,0752	0,99107
Gm10060	-1,0765	1
Zdhhc12	-1,078	0,94449
Zfp551	-1,0783	0,98087
Rab12	-1,0795	0,16961
Maf1	-1,0798	0,12499
Matn4	-1,0811	1
Rftn2	-1,0821	1
Angptl2	-1,0831	0,34837
Tbl3	-1,0833	0,56097
Tagap	-1,0837	0,88998
Mgat2	-1,085	0,37923
Fbxo36	-1,0853	1
St8sia4	-1,0854	0,15496
Jagn1	-1,086	0,37975
Gm38192	-1,0869	1
Gm43457	-1,0872	1
Pspc1	-1,0888	0,7966
Etv6	-1,0899	0,46182
Tmem241	-1,0899	0,82338
Mesdc1	-1,0905	0,82683
Gm37776	-1,0907	1
Armc5	-1,0919	0,96965
Sat2	-1,0921	1
Nadsyn1	-1,0952	1
Gm26930	-1,0963	1

Cdk5rap1	-1,0964	0,96508
Mapk11	-1,097	1
Ddx28	-1,0972	0,60655
Gm9173	-1,1002	1
Ino80c	-1,1009	0,16145
Gtpbp8	-1,1031	1
Evi5l	-1,1041	1
Cbarp	-1,1042	1
Gm16310	-1,1051	1
Znhit6	-1,1057	0,43681
Fbxo32	-1,1067	0,99623
Slfn10-ps	-1,1069	1
Gm37978	-1,1074	1
Hhex	-1,1082	0,61306
Taf1b	-1,1094	0,60655
Zfp944	-1,1101	1
Brca2	-1,1107	0,80017
Gm15506	-1,1112	1
Tlr6	-1,1113	0,62369
Smim1	-1,1119	1
Fam136a	-1,1123	0,41424
Mthfr	-1,1145	0,76982
Alkbh2	-1,116	0,74329
Zfp605	-1,116	1
Afmid	-1,1168	1
Slc22a4	-1,117	1
Fut8	-1,1172	1
Tbcc	-1,1173	0,44187
Gm26917	-1,1177	0,0059982
Tmem175	-1,1179	0,7298
Polr3e	-1,1183	0,66309
Gm9722	-1,1183	1
Celsr1	-1,119	1
Urb1	-1,1192	0,50462
Mrps2	-1,1203	0,29874
Ccdc71l	-1,1214	0,91122
RP23-104D6.2	-1,1214	1
Fbxo9	-1,1216	0,76524
Dnajc11	-1,1231	0,57276
Cstf2t	-1,124	0,36928
3110080O07Rik	-1,125	1
Sphk2	-1,1258	0,069887
Gm44423	-1,1261	1
2210016F16Rik	-1,127	0,61766
Armc7	-1,1287	0,66153
Tk2	-1,1291	0,069528
Sh3tc1	-1,1302	0,75133
Frat1	-1,1305	0,8093
Klhl5	-1,1306	0,27187
Lrif1	-1,131	0,7298
Ecd	-1,1311	0,51429
Zfp729a	-1,1312	0,88097

Tesk2	-1,1316	0,99293
Isl2	-1,133	0,95202
Cenpb	-1,1347	0,46478
Alg8	-1,1349	0,89491
Gm26532	-1,1349	1
Tefm	-1,1358	0,99741
4833412K13Rik	-1,136	0,3815
Sema4b	-1,1395	0,85299
Haus4	-1,1396	0,95166
Tmem8	-1,1402	0,70637
Prkch	-1,1409	0,17055
Clec7a	-1,1446	0,37333
Igsf3	-1,1447	0,72452
Pfas	-1,1457	0,59383
Zc3h10	-1,1481	0,25064
Zfp868	-1,1484	1
Mfsd3	-1,1485	1
Oit3	-1,1487	0,91519
Mks1	-1,1491	0,35349
RP24-547N4.7	-1,1495	1
Catsper2	-1,1503	1
Nr2c1	-1,1506	0,94987
Soga1	-1,1507	0,36801
Tlr3	-1,1513	1
Scly	-1,1516	0,73934
Bms1	-1,1548	0,024472
Crebl2	-1,1555	0,88743
Chac2	-1,156	1
Cep19	-1,1569	0,49167
Gm37788	-1,1572	1
Gm7815	-1,1574	1
Acvr1b	-1,1579	1
Mfap1b	-1,1589	0,75896
Ermard	-1,159	1
Wfs1	-1,1591	0,56024
Slc35f6	-1,1615	0,12504
Gm10478	-1,1616	1
Keap1	-1,1617	0,07286
Champ1	-1,1635	0,038501
Zfp420	-1,1637	0,81854
Fkrp	-1,1649	0,79693
Gm15892	-1,1659	1
E130311K13Rik	-1,1661	0,81646
Gm19552	-1,1664	1
Matn1	-1,1664	1
Gm26601	-1,1667	1
Sfxn2	-1,1679	0,74954
Slc16a13	-1,1686	1
Mir17hg	-1,1719	0,71596
Ifi44	-1,1722	1
Tns4	-1,1723	1
Gm38115	-1,1731	1

F630040K05Rik	-1,1751	1
Gm7895	-1,1756	1
Zbtb6	-1,1763	0,27582
Trim30a	-1,1782	1
Gm22299	-1,1799	1
Gm45221	-1,1801	1
Rlf	-1,1826	0,17156
Pomt2	-1,1826	1
Fbxw7	-1,1829	0,37975
Mrm2	-1,1829	0,82508
Serac1	-1,1837	1
Xbp1	-1,1851	0,020261
B230398E01Rik	-1,1862	0,93729
Gm45224	-1,1866	1
Gm37747	-1,187	1
Slf1	-1,1878	0,88378
Gm43793	-1,1882	1
Cptp	-1,1897	1
Rhpn2	-1,1909	1
Mtmr9	-1,1919	1
Mdm2	-1,1931	0,029431
Zfp11	-1,1932	1
Hps6	-1,1951	0,47974
Fosl1	-1,1955	0,49984
Gar1	-1,1958	0,27696
A1506816	-1,1964	0,3815
Srf	-1,1978	0,054011
Tmie	-1,1983	0,72553
Trem1	-1,1994	0,094325
Lsm10	-1,2015	0,46067
2310011J03Rik	-1,2017	0,34024
Ttll13	-1,2018	1
Dlx1	-1,2024	0,55159
Suox	-1,2031	0,84226
Rundc1	-1,2061	0,3815
Jade2	-1,2062	0,66031
Zc3h12a	-1,2068	0,71713
Marveld1	-1,2069	0,063408
Zfp709	-1,211	1
Slc23a2	-1,2117	0,45959
Zfp945	-1,2118	1
Gm45342	-1,2137	0,85299
A430027C01Rik	-1,214	1
Fam57a	-1,2143	1
Gtf2b	-1,2156	0,36265
4931414P19Rik	-1,2164	0,85781
Zfp456	-1,2166	0,97786
Rars2	-1,2175	0,47515
Acod1	-1,2186	1
Bdh1	-1,2188	1
Tnks1bp1	-1,2191	1
Etv4	-1,2205	1

Zfp763	-1,221	0,99653
N4bp3	-1,2245	1
Gm37080	-1,2297	0,99293
Gm7769	-1,2303	1
Csf2rb2	-1,2312	1
A430033K04Rik	-1,2333	1
Zfp850	-1,2338	0,97786
Gpatch3	-1,2349	0,93596
Det1	-1,2372	0,73386
Ccdc166	-1,2372	0,8302
Irf2bp1	-1,2373	0,14977
6330408A02Rik	-1,2379	1
Zswim3	-1,238	0,59911
Fbxw17	-1,2381	0,46965
Tm9sf1	-1,2399	0,96703
RP23-243B24.1	-1,2416	0,99476
Gm7666	-1,2442	1
Pcdhb16	-1,2444	1
Frmd8	-1,248	0,019679
Tada2b	-1,248	0,58124
Zfp46	-1,2482	0,6409
Zfp764	-1,2485	0,80245
Ttc30b	-1,2493	1
Gm2885	-1,2494	1
Gm43513	-1,2508	1
Xirp1	-1,251	1
Gm4754	-1,2516	1
Cmtr2	-1,2537	0,095423
Lcmt2	-1,2546	0,71713
Cdc42ep2	-1,2554	0,50956
Ccdc173	-1,2562	0,95166
Apba1	-1,2566	1
Extl2	-1,2583	0,60655
Rbm12b1	-1,2583	1
Paqr5	-1,2589	1
Phf11c	-1,2595	1
Igtp	-1,2623	1
Gm18867	-1,2633	1
Gm8738	-1,2653	0,94463
Gm20696	-1,2655	1
Gnptab	-1,2659	0,016928
Zfp846	-1,2659	0,93471
Airn	-1,2668	0,43681
Drg2	-1,2675	0,78876
Gm25857	-1,2677	1
Gpr146	-1,2732	0,34837
Spn	-1,2735	0,82597
Gm11772	-1,2747	1
Gm43627	-1,2751	1
Setd1b	-1,2754	0,17055
Kdm1b	-1,2756	1
Naip2	-1,2764	0,33943

Gm12655	-1,2766	1
Fam173b	-1,2776	0,62415
Zfp748	-1,2782	0,78374
Trim47	-1,2786	0,90082
Spats1	-1,2786	1
Gm20604	-1,2822	0,46086
Zfp747	-1,2834	0,83917
Zfp689	-1,2841	1
Snip1	-1,2849	0,34406
Tmem181b-ps	-1,2862	0,82763
Src	-1,2868	0,65434
Zfp617	-1,2869	1
Ankrd49	-1,29	0,35974
Dclre1b	-1,2908	0,47571
4632427E13Rik	-1,2929	0,083435
Cd3eap	-1,293	0,20833
Dhrs9	-1,2937	0,71713
Inpp5b	-1,2959	0,69628
E430018J23Rik	-1,2984	1
Zfp653	-1,2985	0,76731
Nop9	-1,2989	0,43168
Gm37465	-1,3004	0,96703
RP23-444K20.4	-1,3007	0,24972
Dimt1	-1,3019	1
Atad3aos	-1,304	1
Lpin3	-1,3046	0,53708
Gm13268	-1,3073	1
Shisa3	-1,3083	1
Il20rb	-1,309	0,79255
RP24-226A8.2	-1,3097	1
Pknox1	-1,3111	0,27558
Dph2	-1,3115	0,6488
Bag2	-1,3128	0,27558
1700017B05Rik	-1,315	0,017151
9930120I10Rik	-1,3151	1
Zfp790	-1,3184	1
Mrgpre	-1,3187	1
Ctsk	-1,3188	0,27696
Evi2a	-1,3198	0,20975
Tmem177	-1,3203	0,49016
Gm37297	-1,3207	0,95022
Gpr183	-1,3211	0,17098
Tuba1c	-1,3213	0,11302
Slc39a1	-1,3214	0,084574
Tmem198b	-1,3222	0,75899
A430105I19Rik	-1,3224	0,96965
Tlcd2	-1,3224	1
CAAA01194877.2	-1,323	0,70124
Gm10605	-1,323	1
Wdr73	-1,3251	0,42894
2610203C20Rik	-1,3268	0,6003
2810021J22Rik	-1,331	1

Slc43a2	-1,3321	0,019679
Dcp1b	-1,333	1
Frmd4a	-1,334	0,14439
Asah2	-1,334	1
Fam161b	-1,3355	1
Wdr24	-1,3381	0,43354
Zc3h4	-1,3394	0,061179
Lig4	-1,3403	0,49984
Il15ra	-1,3428	0,85568
Pwp2	-1,3429	0,29874
Kat6b	-1,3435	0,34115
Frg2f1	-1,3439	1
Gm20712	-1,3501	0,95144
Fam83h	-1,3506	1
Sirt4	-1,3509	1
Srrd	-1,3514	0,72913
Zfp942	-1,3517	0,75819
Slc22a21	-1,3526	0,95166
Gemin8	-1,354	1
RP23-440I21.3	-1,3552	1
Eogt	-1,3568	0,49167
Gm15327	-1,3569	1
Fam212a	-1,3577	0,85299
Gm25514	-1,3578	0,96965
Zfp169	-1,3598	0,95746
Zfp933	-1,3599	1
Gm25596	-1,3619	1
Jrk	-1,3633	1
Cnksr1	-1,3644	1
Gm38125	-1,3661	1
1700052K11Rik	-1,3671	1
Rpl7l1-ps1	-1,3694	1
Fzd2	-1,3698	1
Zfp189	-1,3706	0,76731
2310001H17Rik	-1,3706	1
Nedd9	-1,3707	1
C530005A16Rik	-1,3732	1
Pafah2	-1,3752	0,96965
Gm43961	-1,3763	1
Abhd1	-1,3774	1
Homez	-1,3775	1
Slc46a1	-1,3779	1
BC024978	-1,3792	1
Bcl9	-1,3812	0,1753
Stx11	-1,3845	0,88998
Phykpl	-1,3858	0,52341
Gm44510	-1,3875	1
Rnf170	-1,3895	0,89904
A930001C03Rik	-1,39	0,83381
Gm37726	-1,39	1
Gm37968	-1,3905	0,96062
Lyl1	-1,3919	0,14813

Lhx5	-1,3929	1
Gm37234	-1,3936	1
Trim16	-1,3955	0,94023
Zfp619	-1,3961	0,99396
Hgh1	-1,3973	0,36699
Gm9568	-1,4003	1
Pde4b	-1,4027	0,41207
Gm9951	-1,4032	1
Zfp658	-1,4049	1
Egf	-1,4052	1
Gm42549	-1,4052	1
Cyth4	-1,4061	0,0021695
Arhgdig	-1,4096	0,75896
Gm17494	-1,4133	0,55258
Fam83d	-1,4149	0,79146
Emc9	-1,4159	0,80056
Nudt12	-1,4162	0,72319
Ftx	-1,4184	0,59383
Ampd3	-1,4185	0,29124
Rab7b	-1,4195	0,019679
Tlr4	-1,4195	0,37975
Trim45	-1,4203	0,62603
Ffar4	-1,4219	0,8913
Pde6g	-1,4237	1
Gm10842	-1,4242	1
C1rl	-1,4245	0,96965
Zfp799	-1,4246	0,69923
Plpp7	-1,4266	0,54774
Olfm1	-1,4273	0,00082689
Mdk	-1,4276	0,75133
Gm37390	-1,4276	0,96703
Mblac1	-1,4314	0,80138
Zfp202	-1,4323	0,79146
Grhl1	-1,4346	0,82508
Mul1	-1,4347	0,38538
Znhit2	-1,4363	0,41707
Gm43071	-1,437	0,99629
AA914427	-1,4374	1
Pskh1	-1,4433	0,27558
Dcstamp	-1,4443	0,18245
Carf	-1,4443	0,35662
Zkscan4	-1,4443	1
Zfp738	-1,4446	0,96062
Zfp251	-1,446	0,49011
Gm6921	-1,447	1
Card6	-1,4495	0,97665
Fastkd2	-1,4506	0,37082
Fbxo10	-1,4523	1
Arhgef17	-1,4537	1
Sfn	-1,4542	1
Upk1a	-1,4548	0,80292
Pdpn	-1,4595	0,77332

Erlin2	-1,4599	0,21817
Gm24890	-1,4601	1
2310015A10Rik	-1,4625	1
Erbb3	-1,463	0,90082
Pomk	-1,4692	0,42717
Gcc1	-1,4712	0,029431
Gm43350	-1,4731	0,99584
Surf2	-1,4735	0,16145
Tlr13	-1,4741	0,5164
Gsto2	-1,4742	0,98024
Gm43794	-1,4786	0,42808
Trp53rka	-1,4801	0,36282
Zfp248	-1,4804	0,94376
D030028A08Rik	-1,4822	0,79693
Hemk1	-1,4828	0,50051
Traf6	-1,4844	0,48158
C130023A14Rik	-1,4881	0,69156
Rftn1	-1,4885	0,1367
Prag1	-1,4888	0,18873
Cnr2	-1,4898	0,47244
Ptpro	-1,49	0,096644
Crtc1	-1,4922	0,64792
Magi2	-1,4934	0,64385
Ccdc51	-1,4937	0,37975
Hck	-1,4958	0,38327
Bbs1	-1,4959	1
Ptpn7	-1,4964	0,22884
Trmt44	-1,4992	0,54516
Gm43378	-1,4998	1
Gm37420	-1,5002	0,96965
Maml2	-1,5013	0,72553
Tfb2m	-1,5036	0,85781
Ints5	-1,5075	0,14883
Prkdc	-1,5077	0,41707
Slc35d2	-1,5136	0,60493
Zfp974	-1,5145	0,80732
Gm44667	-1,5147	0,82508
Snord13	-1,515	0,02024
Cx3cr1	-1,5189	0,0070612
Zbtb45	-1,5256	1
Adamts4	-1,5323	1
Ttc30a1	-1,5326	1
Zic5	-1,5334	0,96965
Zfp628	-1,535	0,46716
Fbxo46	-1,5358	0,26236
Bcdin3d	-1,5358	0,40689
Nkrf	-1,5368	0,65083
Adal	-1,5384	0,42947
Gm44916	-1,5452	0,99293
Gipc2	-1,5457	1
Tubg2	-1,5485	0,96543
Speer9-ps1	-1,549	1

Nipa1	-1,5507	0,73798
Ankle1	-1,5507	0,96965
Phxr4	-1,5528	0,90649
Tmem51os1	-1,5541	1
Gm43421	-1,5565	1
Tgfbr2	-1,5598	0,0066269
Gm29539	-1,5623	0,88075
Tmem98	-1,5663	0,86158
Stc2	-1,5682	0,72386
Zfp276	-1,5683	0,5454
Gm37033	-1,5704	0,76524
Nmb	-1,5718	0,90649
Dido1	-1,5723	0,07009
Gmppb	-1,5767	0,27261
Srl	-1,5779	0,85781
Gm4258	-1,579	0,61011
Zfp810	-1,5795	0,41424
Gm38355	-1,5806	0,91006
Birc3	-1,5808	0,029431
Mfsd4b4	-1,5831	1
Tmem185b	-1,5845	0,17098
Ubxn8	-1,5865	0,55258
C330018D20Rik	-1,5871	0,36872
P2ry6	-1,5918	0,022056
Ctu1	-1,5941	0,18873
Cdkl4	-1,5959	0,46486
Zfp12	-1,596	0,42247
Gm37699	-1,5971	0,52137
Zfp324	-1,5984	0,64736
Gm6257	-1,5988	0,92192
Tbc1d25	-1,6018	0,39035
Chst14	-1,6046	0,39905
Exoc8	-1,6068	0,44187
Slfn8	-1,6103	0,82561
Vsig10	-1,6113	0,41116
Rab43	-1,6143	0,30732
RP24-233B16.6	-1,6234	0,70895
Capn10	-1,6246	0,52375
Sh3rf1	-1,627	0,29989
Kctd21	-1,6316	1
Txnl4b	-1,6321	0,54037
Sema6b	-1,638	0,8537
Gm44953	-1,6382	0,89431
BC048403	-1,6392	0,62569
Gm44829	-1,6403	0,71596
Gm6743	-1,6403	0,9797
A930015D03Rik	-1,6449	0,82765
Gm43112	-1,6488	0,95415
Ajuba	-1,6522	0,94023
Tepsin	-1,653	0,079326
Pctp	-1,6549	0,30779
Gm37569	-1,6568	0,46182

Gm42835	-1,6572	0,90649
Exo1	-1,66	0,94053
BC024386	-1,6608	0,88998
Zfp239	-1,662	0,80292
Angptl4	-1,6636	0,60711
Nmnat3	-1,6668	0,40689
Zfp953	-1,6675	0,93527
Slc9a4	-1,6689	0,97842
Gm43727	-1,6708	0,71713
Gm36963	-1,6713	0,42032
Gm15696	-1,6723	0,66547
Cxcl2	-1,6736	0,14145
Hoxa7	-1,6801	0,60655
Gm15644	-1,6823	0,60196
Pomgnt1	-1,6839	0,16145
Zfp768	-1,6864	0,016929
Lima1	-1,6868	0,0046683
Egfl8	-1,6875	0,97665
Mras	-1,6926	0,86033
Aldh1b1	-1,6961	0,35662
Gm22	-1,6961	0,82508
Pde4c	-1,6977	0,7966
4930432K21Rik	-1,6981	0,14746
Gm17586	-1,6986	0,75133
Zfp518a	-1,7021	0,18873
Mtg2	-1,7032	0,42717
Endog	-1,7064	0,40844
Crybb3	-1,709	0,61306
Caprin2	-1,7092	1
Zfp61	-1,7117	0,24968
Rap1gap	-1,7139	0,82338
Cass4	-1,7193	0,63876
2010008C14Rik	-1,7198	0,87445
Gm11448	-1,7276	0,78345
Tmem260	-1,7338	0,53425
Gm12258	-1,7356	0,86033
Rwdd3	-1,7423	0,14439
Card11	-1,7424	0,83917
6030442K20Rik	-1,744	0,89904
Nupl2	-1,7443	0,64736
Slx4	-1,7478	0,46674
Gm38020	-1,7478	0,60655
Ing4	-1,7485	0,63408
Zscan22	-1,7497	0,76817
Gm44545	-1,751	0,96252
Gm43692	-1,7513	0,30941
Srxn1	-1,7583	0,019679
Gpr180	-1,7685	0,57246
Bmf	-1,7709	0,17504
1810055G02Rik	-1,7772	0,604
Gm43715	-1,7786	1
Depdc5	-1,7798	0,36064

Tlr1	-1,7805	0,37975
Gm6526	-1,7838	0,65259
Numb1	-1,7849	0,22594
Acot6	-1,7854	0,6003
Endov	-1,7884	0,39436
Zfp39	-1,7904	0,83917
Actg1	-1,7922	0,81122
Zfp65	-1,7926	0,14701
Gm43144	-1,7962	0,96868
Gm45206	-1,7999	0,76982
Vwf	-1,8071	0,67302
MIh3	-1,8178	0,18873
Zfp729b	-1,818	0,19178
Gtf2h3	-1,8199	0,54455
Pih1d2	-1,8232	0,85541
Sec22a	-1,8249	0,22594
Gm43761	-1,8266	0,33592
Gm38387	-1,8297	0,83918
Nrros	-1,8298	0,00049497
RP23-442M18.5	-1,8338	0,71713
Fancf	-1,8375	0,82338
I830077J02Rik	-1,8376	0,64385
Gipc1	-1,8406	0,26995
Zfp90	-1,8463	0,34205
A630072M18Rik	-1,8497	0,35662
Dlg3	-1,8502	0,3472
Ubiad1	-1,8529	0,1367
Tmem44	-1,8574	0,88803
Zfp35	-1,8606	0,27582
Gm44951	-1,8612	0,6771
Snx19	-1,864	0,2609
Gm38399	-1,8723	0,35625
Zfp94	-1,8754	0,55125
C1ra	-1,8757	0,86385
Qsox2	-1,8791	0,5312
Trib1	-1,884	0,0081259
B130021K23Rik	-1,8841	0,6246
Ccdc130	-1,8877	0,056103
Fmo5	-1,895	0,73904
Lysmd4	-1,9048	0,0075008
B3galt6	-1,9073	0,58493
Swsap1	-1,9088	0,60655
5430420F09Rik	-1,9149	0,80292
Al464131	-1,9232	0,75133
Katnb1	-1,9268	0,67667
D6Wsu163e	-1,9345	0,20671
Gm37063	-1,9379	0,85781
Ano7	-1,9383	0,49984
Cog1	-1,9414	0,43168
Mettl18	-1,9447	0,31507
Fam69b	-1,9448	0,6003
Gper1	-1,9474	0,72694

Zfp866	-1,9482	0,62415
Ribc1	-1,9552	0,7966
Tmem204	-1,9581	0,47563
Gm33142	-1,9594	0,69648
Trmo	-1,9677	0,3815
Gm26740	-1,9683	0,73699
Ctnnbp2nl	-1,971	0,00034365
Slc10a3	-1,9712	0,30466
9930014A18Rik	-1,9854	0,55258
Tmem67	-1,9886	0,60655
Zfp862-ps	-1,9904	0,34837
Tspoap1	-1,9919	0,35349
Particl	-1,9922	0,50956
RP24-175C20.18	-1,9986	0,54169
Gm43728	-2,015	0,35349
Gm42967	-2,0196	0,60655
3110082I17Rik	-2,0215	0,14813
Mboat1	-2,0231	0,18873
Epb41l1	-2,0245	0,52706
Commd5	-2,0298	0,070546
1700007K09Rik	-2,0318	0,79364
Tnfrsf4	-2,0326	0,40844
RP24-325N9.5	-2,0347	0,61011
Pkd2	-2,0382	0,27582
Lrrc14	-2,0429	0,13727
Zfp951	-2,0458	0,59566
Zfp28	-2,0491	0,69923
Efna2	-2,0638	0,54169
9130019O22Rik	-2,0674	0,36282
Al467606	-2,0712	0,011531
Gm36930	-2,0732	0,49011
Wdr35	-2,0763	0,48769
Zfp40	-2,0792	0,43354
D17H6S53E	-2,0799	0,3815
Limk1	-2,0933	0,31655
Tti1	-2,0984	0,52907
Nlrp3	-2,1025	0,0041506
Zfp27	-2,1067	0,50462
Gm26890	-2,1099	0,19178
Arhgef18	-2,1099	0,35443
Zfp3	-2,1214	0,20411
Ap5b1	-2,1221	0,41707
Hdhd3	-2,1234	0,35662
Zfp870	-2,1236	0,16812
Gm42486	-2,1256	0,75896
Rinl	-2,1305	0,073347
Ppp1r26	-2,1352	0,79686
Fam222b	-2,1361	0,056103
Gm20699	-2,1384	0,39955
Irgm2	-2,1404	0,57877
Mir22hg	-2,1475	0,00010988
Gm42640	-2,1548	0,21246

Gramd1c	-2,1549	0,60423
Tmem51	-2,1631	0,060406
Gm37121	-2,1771	0,17812
Ifi47	-2,186	0,80371
Spred1	-2,1953	4,34E-05
Fut7	-2,2038	0,46965
Col7a1	-2,2044	0,44187
Sla	-2,2083	0,0052152
Dnmt3b	-2,2222	0,24972
Pus7l	-2,2265	0,40488
Mfsd9	-2,2436	0,1782
Ppp1r10	-2,2742	9,21E-05
3110070M22Rik	-2,2893	0,34834
Vegfc	-2,3213	0,6246
Gm37124	-2,3387	0,28869
Cbfa2t3	-2,3604	0,37975
Gm20632	-2,3697	0,27212
Cstad	-2,3739	0,63483
Zfp408	-2,3763	0,054011
Dmrt2	-2,4234	0,32947
Gm42463	-2,4268	0,33592
Hoxb3	-2,4316	0,26973
Gdpgp1	-2,4326	0,40844
RP23-38L16.4	-2,4433	0,19726
Oasl1	-2,4532	0,18873
Elmod3	-2,4585	0,22594
Gm29994	-2,4599	0,44923
Usp27x	-2,5164	0,67357
Gm43024	-2,5386	0,12847
Gm4262	-2,5726	0,22544
Gm38009	-2,6014	0,084574
Fastkd5	-2,6293	0,15423
Zfp719	-2,6367	0,17098
Tctn2	-2,6817	0,25211
Filip1l	-2,6897	0,10853
Zfp111	-2,894	0,099549
Zfp691	-2,9025	0,065042
Gm16740	-2,909	0,17812
Zfp41	-2,982	0,1367
Gm37642	-2,9964	0,039732
Zfp58	-3,0354	0,1431
Mir763	-3,0736	0,083208
Rbak	-3,1235	0,045372
Krcc1	-3,1821	0,22594
Gm11205	-3,5714	0,0057795