

Table S11

GENE NAME	# OF ISOFORMS EXPRESSED	# OF ISOFORMS DIFFERENTIALLY EXPRESSED	# OF ISOFORMS UPREGULATED	# OF ISOFORMS DOWNREGULATED
Lmo7	13	10	10	0
Ecel1	14	8	8	0
Slc29a1	16	6	4	2
Abca2	10	6	3	3
Pigo	10	6	3	3
Adam8	9	6	6	0
Odz3	10	6	2	4
Sdc1	6	5	5	0
Gap43	7	5	5	0
Zbtb46	7	5	3	2
Epb4.1l4b	11	5	3	2
Adamts9	6	5	3	2
E430016F16Rik	14	5	1	4
Kcnc3	7	5	0	5
Pde4c	17	5	4	1
Ddx6	8	5	1	4
Islr2	9	5	3	2
Hivep2	5	4	1	3
Rab5b	10	4	3	1
Recql5	7	4	2	2
Dtnb	9	4	2	2
Pdlim7	12	4	3	1
Agtppb1	7	4	2	2
Zmiz1	9	4	2	2
Zfp395	6	4	1	3
Nalcn	10	4	3	1
Phf21b	9	4	2	2
Csf2rb	5	4	3	1
Mx2	7	4	2	2
Rhoq	8	4	4	0
Socs6	5	4	2	2
Add3	7	4	2	2
Hps1	11	4	3	1
Lypd6b	10	4	1	3
Nfe2l2	5	4	2	2
Lama5	7	4	4	0
Ccnl1	10	4	3	1
Crocc	19	4	2	2
Kdm2b	11	4	3	1
9530026P05Rik	6	4	2	2
Ptpro	6	4	3	1
Zfp446	8	4	3	1

Vstm2b	4	4	0	4
Pard3	13	4	2	2
XLOC_034806	9	4	2	2
Dock3	9	4	1	3
Mtap2	11	3	1	2
Serpinb5	9	3	2	1
Rims1	22	3	1	2
Fam135a	8	3	1	2
Rasal2	8	3	2	1
Fam161a	13	3	2	1
9130409J20Rik	6	3	2	1
Fmnl1	11	3	1	2
Cbx2	6	3	2	1
Kcnp1	10	3	1	2
Ints2	5	3	1	2
Itga3	10	3	1	2
Plekhh3	7	3	2	1
Ctage5	9	3	2	1
Ppm1a	7	3	1	2
Jarid2	7	3	1	2
Gcnt4	4	3	2	1
Gtpbp4	5	3	3	0
Ryr2	14	3	1	2
Serpinb1a	5	3	3	0
Cntnap3	5	3	1	2
Stmn4	4	3	3	0
Stab1	9	3	3	0
Cdh12	4	3	1	2
Rims2	15	3	0	3
Col14a1	4	3	2	1
XLOC_011139	11	3	1	2
Eif3e	5	3	2	1
Enpp2	10	3	0	3
Pvalb	6	3	0	3
Fyb	6	3	3	0
B3gnt5	7	3	1	2
Zbtb20	6	3	1	2
Senp7	7	3	2	1
Lrrc33	6	3	2	1
Col11a2	5	3	2	1
Trerf1	9	3	0	3
Fam82a1	10	3	2	1
Cyp1b1	3	3	3	0
Kcnk12	4	3	2	1
Wdr33	8	3	2	1
Tnfrsf8	5	3	2	1
Slmo1	6	3	1	2

Hars	5	3	2	1
Arap3	11	3	3	0
XLOC_015994	9	3	3	0
Arhgef37	10	3	1	2
Prune2	9	3	2	1
Il33	4	3	2	1
AK040090	7	3	2	1
Carns1	9	3	1	2
Naa40	7	3	1	2
Tjp2	7	3	1	2
Dnmbp	8	3	2	1
Vim	8	3	3	0
Tnks1bp1	8	3	3	0
Zc3h6	8	3	2	1
Baz2b	10	3	1	2
Ly75	8	3	1	2
Lrrc31	5	3	1	2
Rps3a	7	3	3	0
Cnr1	6	3	1	2
Cntl	10	3	2	1
mFLJ00377	4	3	1	2
Faf1	6	3	1	2
Zmym6	10	3	2	1
Acot7	8	3	1	2
Acap3	7	3	3	0
Wwp1	9	3	0	3
Klhl32	8	3	2	1
Tpm2	7	3	2	1
2610109H07Rik	3	3	3	0
Mib2	7	3	1	2
Magi2	8	3	2	1
Vgf	7	3	3	0
Kctd8	8	3	2	1
Tec	7	3	1	2
Ep400	12	3	1	2
Grm8	9	3	1	2
Chchd3	4	3	2	1
Gadd45a	6	3	3	0
Srgap3	7	3	1	2
Mical3	11	3	2	1
Tspan9	5	3	1	2
Nav2	12	3	3	0
Zscan18	6	3	3	0
Plekha7	12	3	1	2
Zfp629	6	3	1	2
Mettl10	10	3	1	2
Nlrc5	12	3	1	2

Cmtm3	7	3	2	1
Nfat5	7	3	2	1
Banp	12	3	1	2
Cars2	4	3	2	1
Slc27a1	16	3	2	1
Arhgap32	7	3	1	2
Vps13c	7	3	1	2
Clk3	11	3	2	1
Map2k5	8	3	1	2
2310046A06Rik	11	3	2	1
Ankrd34c	4	3	0	3
Mras	5	3	2	1
Scn10a	8	3	2	1
Mid1	9	3	1	2
Zfp280c	10	3	0	3
Flna	13	3	2	1
Frmpd4	8	3	0	3
Aox1	9	2	1	1
Cflar	9	2	2	0
Gm15427	12	2	1	1
Zcchc2	6	2	0	2
Kcnt2	11	2	1	1
Igsf8	4	2	1	1
Lamb3	8	2	2	0
XLOC_000548	7	2	0	2
Sox17	8	2	1	1
2010300C02Rik	8	2	1	1
Pign	10	2	1	1
Dbi	7	2	0	2
Cacna1e	8	2	1	1
Rabgap1l	6	2	1	1
Igfn1	6	2	2	0
Soat1	3	2	2	0
Cited2	3	2	1	1
Epb4.1l2	9	2	2	0
Arhgap18	10	2	1	1
Ptprk	7	2	1	1
Scml4	5	2	1	1
Cd24a	4	2	0	2
Egr2	4	2	1	1
Arid3a	5	2	1	1
Ppfia2	12	2	2	0
Stat6	4	2	1	1
Baz2a	8	2	1	1
Ybey	3	2	1	1
Agpat3	8	2	1	1
Polrmt	4	2	2	0

Nts	5	2	2	0
Helb	7	2	1	1
Ptges3	4	2	1	1
Aim1	3	2	2	0
Gm10754	6	2	1	1
Rtn4	7	2	1	1
Lcp2	4	2	0	2
Adam19	6	2	2	0
Zfp354a	5	2	1	1
Fnip1	6	2	1	1
Sat2	6	2	1	1
Nufip2	3	2	1	1
Taf15	11	2	2	0
Coil	3	2	2	0
Thra	7	2	1	1
Hexim2	8	2	1	1
Tlk2	8	2	1	1
Ccdc46	6	2	1	1
Kcnj16	3	2	1	1
Metrn1	3	2	2	0
Odz2	10	2	1	1
Hnrnpab	6	2	1	1
Phf15	7	2	0	2
Slc16a13	6	2	1	1
0610010K14Rik	10	2	1	1
Cxcl16	8	2	2	0
Nme1	5	2	0	2
Plxdc1	8	2	1	1
St6galnac2	7	2	1	1
Sectm1b	3	2	2	0
Egfr	6	2	2	0
41890	6	2	1	1
Laptm4a	5	2	1	1
Srsf5	7	2	0	2
Rgs6	6	2	0	2
Zfp410	7	2	0	2
Zfp839	6	2	1	1
AW555464	6	2	1	1
Pld4	3	2	2	0
F730043M19Rik	6	2	1	1
Heatr5a	7	2	1	1
Asb2	7	2	1	1
Ccdc85c	5	2	0	2
Begain	4	2	1	1
XLOC_006968	7	2	2	0
Rnf182	4	2	0	2
Bicd2	5	2	2	0

Tmed9	5	2	1	1
Zfp273	4	2	1	1
C130071C03Rik	4	2	1	1
Klhl3	7	2	0	2
Ddx4	5	2	1	1
Fst	3	2	2	0
Sykb	6	2	2	0
Gm8104	4	2	0	2
Lgals3	2	2	2	0
Clu	7	2	2	0
Loxl2	2	2	2	0
Mbnl2	9	2	1	1
Oxsm	4	2	0	2
Gng2	5	2	1	1
Cysltr2	7	2	1	1
1110020G09Rik	6	2	2	0
Cdh10	3	2	1	1
Fzd6	3	2	1	1
Mal2	4	2	1	1
Bai1	11	2	0	2
Cyth4	3	2	2	0
Eif3l	4	2	2	0
Cacna1i	8	2	1	1
Tnrc6b	6	2	1	1
Mpped1	5	2	1	1
XLOC_011224	4	2	2	0
Prpf40b	8	2	1	1
Celsr1	6	2	1	1
Cpne8	7	2	1	1
Adcy6	12	2	1	1
Fmnl3	8	2	1	1
Faim2	4	2	1	1
Nckap1l	3	2	2	0
Angpt1	3	2	1	1
Abcc1	3	2	1	1
Pkp2	5	2	2	0
Lztr1	7	2	1	1
Rtp4	5	2	1	1
Osbp11	4	2	1	1
Snx4	8	2	0	2
Robo1	8	2	0	2
Chaf1b	6	2	1	1
Crebbp	7	2	0	2
Parn	7	2	0	2
Fgd4	10	2	1	1
Klhl6	5	2	1	1
Slc15a2	9	2	0	2

Tmprss7	7	2	1	1
Epha6	5	2	1	1
Scaf4	5	2	1	1
Urb1	7	2	1	1
Ppil2	7	2	2	0
Liph	4	2	2	0
Ddx11	8	2	1	1
Crim1	8	2	1	1
Foxn2	4	2	1	1
Pisd-ps2	9	2	2	0
Prdm9	11	2	1	1
Tbc1d24	10	2	1	1
Brd4	8	2	1	1
Akap8l	10	2	1	1
Zfp101	7	2	1	1
Abcf1	4	2	1	1
Tgif1	5	2	2	0
Srd5a2	3	2	1	1
Eif2ak2	5	2	1	1
Slc8a1	7	2	1	1
Srbd1	5	2	1	1
Greb1l	7	2	1	1
Camk4	7	2	1	1
Slc12a2	6	2	1	1
St8sia3	5	2	2	0
Smad2	4	2	0	2
Rtnn	14	2	1	1
Cdh2	6	2	2	0
Nol4	9	2	1	1
Pcdh1	8	2	1	1
Slc6a7	5	2	1	1
Zfp407	4	2	1	1
Colec12	3	2	1	1
Rab3il1	7	2	1	1
Aldh1a1	6	2	1	1
Pten	10	2	0	2
Ccnj	6	2	1	1
Gbf1	7	2	1	1
1700011F14Rik	7	2	2	0
Gal	2	2	2	0
Dpf2	5	2	1	1
Plcb3	14	2	0	2
Glis3	5	2	2	0
Prkg1	7	2	1	1
Asah2	7	2	0	2
Pcgf6	6	2	2	0
Mrc1	2	2	2	0

Mllt10	7	2	1	1
Lamc3	5	2	1	1
Arhgap15	7	2	0	2
Fmnl2	7	2	1	1
Upp2	16	2	1	1
Klhl23	5	2	1	1
Dcaf17	6	2	1	1
Mavs	8	2	1	1
MacroD2	17	2	1	1
Rin2	8	2	1	1
Nsfl1c	7	2	0	2
Procr	4	2	2	0
Ralgapb	6	2	1	1
Stx16	5	2	1	1
Slco4a1	8	2	1	1
Nebi	10	2	1	1
Ehmt1	12	2	1	1
Phpt1	4	2	1	1
Ccdc148	5	2	1	1
Scn3a	10	2	0	2
Ctnnd1	9	2	1	1
Hdc	5	2	2	0
Pak7	6	2	1	1
Flrt3	2	2	2	0
Kif16b	7	2	1	1
Ralgapa2	5	2	1	1
Hrh3	9	2	1	1
Chrna4	2	2	1	1
Dynlrb1	5	2	1	1
Car3	3	2	2	0
Egfem1	13	2	0	2
Ttc14	4	2	1	1
Bbs12	3	2	1	1
Cct3	7	2	2	0
Shc1	7	2	0	2
S100a6	3	2	1	1
Ctss	3	2	2	0
Ngf	2	2	1	1
Dbt	4	2	1	1
Ndst4	2	2	0	2
Col25a1	6	2	1	1
Slc39a8	4	2	1	1
Mcoln2	11	2	2	0
Car1	4	2	2	0
Qrfpr	5	2	2	0
Gria2	11	2	0	2
Fcrls	2	2	2	0



Lrig2	7	2	1	1
Spata1	3	2	1	1
Bmpr1b	10	2	1	1
Hltf	6	2	2	0
Tpm3	5	2	1	1
Chd7	8	2	1	1
Unc13b	14	2	1	1
Tdrd7	3	2	1	1
BC057079	6	2	0	2
Mier1	8	2	1	1
Lrp8	10	2	1	1
Bai2	9	2	0	2
Pum1	13	2	0	2
Stmn1	8	2	1	1
Ubr4	11	2	0	2
Mtor	4	2	1	1
XLOC_023268	7	2	0	2
Ints8	8	2	0	2
Zfp292	3	2	1	1
Rasef	4	2	1	1
Macf1	15	2	1	1
Thrap3	15	2	1	1
Epb4.1	11	2	1	1
C1qc	2	2	2	0
C1qa	2	2	2	0
Pex14	4	2	1	1
Per3	8	2	1	1
Zbtb48	9	2	1	1
Akap2	4	2	2	0
Eif2c4	7	2	1	1
Prdm16	7	2	2	0
Depdc5	8	2	1	1
Jakmip1	6	2	1	1
Pgm1	9	2	1	1
Ptpn13	10	2	1	1
Cit	10	2	1	1
Vsig10	4	2	1	1
Ksr2	5	2	1	1
Trrap	15	2	1	1
Orc5	6	2	1	1
Mll3	10	2	0	2
Fam184b	4	2	1	1
Epha5	7	2	1	1
Prkg2	4	2	1	1
Rasgef1b	8	2	0	2
Lat2	5	2	1	1
Gm7361	8	2	2	0

Sh3bp2	6	2	1	1
Evc	5	2	1	1
XLOC_025977	4	2	1	1
Cmklr1	3	2	1	1
Flnc	3	2	2	0
AI854703	11	2	1	1
Dqx1	4	2	0	2
Tgfa	4	2	2	0
Cntn4	10	2	1	1
Hrh1	5	2	1	1
Rasgef1a	8	2	0	2
Tnfrsf1a	4	2	2	0
Tspan12	6	2	0	2
Zfp467	7	2	1	1
Hibadh	4	2	1	1
Usp39	4	2	2	0
Frmd4b	8	2	1	1
Rad18	4	2	1	1
Rimklb	8	2	1	1
Leprel2	10	2	1	1
Zfp444	6	2	2	0
Akt2	14	2	2	0
Zfp658	4	2	1	1
Klk5	6	2	1	1
Odz4	8	2	1	1
Ppfibp2	9	2	1	1
Tead1	6	2	1	1
Tmem159	3	2	2	0
Gdpd3	5	2	1	1
Sec23ip	3	2	1	1
Jakmip3	14	2	1	1
Gpr123	4	2	0	2
Mtg1	5	2	0	2
B4galnt4	8	2	2	0
Spnb4	13	2	1	1
Chst8	4	2	1	1
Tjp1	8	2	1	1
Il16	6	2	1	1
Myo7a	10	2	1	1
Pik3c2a	7	2	1	1
D7Ertd443e	10	2	0	2
Lrdd	5	2	1	1
Nadsyn1	10	2	1	1
Itgam	5	2	2	0
Slc20a2	4	2	1	1
Rnf122	2	2	2	0
41699	4	2	1	1

Crif1	7	2	2	0
Myo9b	16	2	1	1
Hook2	10	2	1	1
Nod2	9	2	0	2
Chd9	14	2	1	1
Slc9a5	9	2	0	2
Edc4	8	2	1	1
Cntnap4	5	2	1	1
Osgin1	2	2	1	1
Klhl36	4	2	1	1
Csmd1	14	2	1	1
Ckap2	6	2	2	0
Adam5	5	2	1	1
Anxa10	4	2	2	0
Dcaf15	6	2	1	1
Nfix	6	2	1	1
Mrcl	10	2	1	1
2310061C15Rik	4	2	1	1
Galns	6	2	1	1
Pdgd	5	2	0	2
Bbs9	11	2	0	2
Robo4	7	2	1	1
AK014147	4	2	1	1
Sema7a	4	2	0	2
Cilp	4	2	1	1
Myo1e	6	2	1	1
Wdr72	3	2	0	2
Elovl5	5	2	1	1
Nckipsd	6	2	0	2
Kif9	11	2	0	2
Setd2	4	2	1	1
Dync2h1	8	2	1	1
Cntn5	6	2	1	1
Rgl3	9	2	1	1
Glb1l2	6	2	0	2
AW551984	2	2	1	1
Hmbs	6	2	1	1
AK086943	8	2	0	2
Zc3h12c	8	2	1	1
Ddx10	3	2	1	1
Arid3b	6	2	1	1
Lrrc49	9	2	1	1
Trip4	5	2	1	1
Filip1	8	2	1	1
Atrip	11	2	0	2
XLOC_034775	4	2	1	1
Tpbp	3	2	2	0

Syp	4	2	1	1
Lancl3	3	2	0	2
Phf16	4	2	1	1
Ocr1	6	2	0	2
F9	3	2	1	1
Atp2b3	9	2	1	1
Gdpd2	10	2	1	1
Ogt	9	2	1	1
Tbc1d8b	6	2	1	1
Col4a5	7	2	1	1
Wnk3	3	2	1	1
Phf8	8	2	1	1
Hcfc1	7	2	0	2
Prrg1	7	2	0	2
Rbmy1a1	4	2	2	0
Lypla1	2	1	0	1
A830018L16Rik	5	1	0	1
AK080352	3	1	0	1
Plekhb2	3	1	1	0
Rpl31	7	1	1	0
Map4k4	7	1	0	1
Nck2	3	1	1	0
Mobkl3	3	1	0	1
Vwc2l	4	1	0	1
Smarcal1	6	1	1	0
Igfbp2	5	1	0	1
Slc11a1	8	1	1	0
Speg	14	1	0	1
Mrpl44	3	1	1	0
9430031J16Rik	4	1	0	1
Rhbdd1	3	1	1	0
Sp100	9	1	0	1
Ptma	6	1	0	1
Eif4e2	7	1	0	1
Efhd1	2	1	1	0
Sned1	5	1	1	0
Ano7	1	1	1	0
Cntnap5a	5	1	0	1
En1	1	1	1	0
Lemd1	5	1	1	0
Rabif	3	1	0	1
B3galt2	1	1	0	1
Glr2	4	1	1	0
Fam5c	4	1	1	0
Arpc5	2	1	1	0
Abl2	4	1	0	1
Tnr	4	1	1	0

Slc19a2	4	1	0	1
Ildr2	7	1	1	0
Arhgap30	4	1	1	0
Cd48	1	1	1	0
Efcab2	4	1	0	1
Cnst	6	1	1	0
Trp53bp2	3	1	0	1
Gpatch2	3	1	0	1
Ints7	4	1	1	0
A330023F24Rik	7	1	0	1
Sntg1	7	1	0	1
Slco5a1	7	1	0	1
Trpa1	6	1	1	0
Col19a1	5	1	0	1
Prim2	5	1	1	0
Ankrd23	4	1	1	0
Nabp1	2	1	1	0
XLOC_000678	5	1	0	1
Gtf3c3	2	1	0	1
Pgap1	3	1	0	1
Ankrd44	5	1	0	1
Hspd1	6	1	1	0
Fam126b	5	1	1	0
XLOC_000710	5	1	1	0
ldh1	2	1	1	0
Serpine2	3	1	1	0
Slc19a3	3	1	0	1
Per2	8	1	1	0
Dtymk	5	1	0	1
Bcl2	4	1	0	1
Cdh19	7	1	1	0
Epb4.1l5	13	1	1	0
Cd55	7	1	0	1
Zc3h11a	9	1	0	1
Prelp	2	1	1	0
Hmcn1	8	1	0	1
Qsox1	4	1	1	0
AK181631	2	1	0	1
Rcsd1	2	1	0	1
Fcgr2b	1	1	1	0
Fcgr3	2	1	1	0
Adss	3	1	1	0
Ahctf1	4	1	0	1
Enah	5	1	0	1
Tgfb2	7	1	0	1
Kctd3	6	1	0	1
Hhat	12	1	0	1

Tmem194b	4	1	0	1
Nbeal1	8	1	0	1
Sgpp2	4	1	1	0
Ugt1a1	1	1	0	1
Ivns1abp	7	1	0	1
Batf3	2	1	1	0
Zbtb37	4	1	1	0
Inpp5d	4	1	1	0
Pou2f1	6	1	1	0
Mael	1	1	0	1
C1ql2	1	1	1	0
Pyhin1	1	1	1	0
AI607873	1	1	1	0
Rgs17	2	1	0	1
Shprh	4	1	1	0
Fuca2	3	1	0	1
Nhsl1	3	1	1	0
Sgk1	5	1	1	0
Moxd1	4	1	0	1
Cd164	6	1	0	1
Dcbld1	3	1	0	1
Hsf2	4	1	1	0
Gcc2	4	1	1	0
Sh3rf3	5	1	1	0
Psap	3	1	0	1
4632428N05Rik	4	1	1	0
Jmjd1c	8	1	1	0
Rhobtb1	7	1	1	0
Ank3	10	1	1	0
Zwint	2	1	1	0
Adora2a	5	1	1	0
Slc19a1	3	1	0	1
Pofut2	3	1	1	0
Itgb2	4	1	1	0
Icosl	6	1	1	0
Fstl3	5	1	0	1
Gpx4	4	1	1	0
Dot1l	8	1	1	0
Hcfc2	1	1	0	1
D10Wsu102e	2	1	1	0
XLOC_002469	5	1	0	1
Uhrf1bp1l	7	1	1	0
Mgat4c	5	1	0	1
Tmem194	4	1	0	1
Pan2	8	1	0	1
Cnpy2	4	1	1	0
Tnfaip3	3	1	0	1

Tbpl1	3	1	0	1
AA474331	6	1	0	1
Ccdc162	13	1	1	0
Lin28b	11	1	1	0
Man1a	2	1	1	0
Unc5b	3	1	0	1
Sirt1	3	1	1	0
Susd2	7	1	1	0
Trpm2	5	1	1	0
Adamts15	7	1	0	1
Mobkl2a	4	1	0	1
Gng7	2	1	1	0
Dram1	5	1	1	0
Elk3	2	1	1	0
Lrriq1	8	1	1	0
Tmtc2	5	1	0	1
Nav3	9	1	0	1
Cpsf6	5	1	0	1
Dyrk2	4	1	0	1
Lemd3	3	1	0	1
Mon2	8	1	0	1
Os9	4	1	1	0
Gli1	5	1	0	1
Izumo4	5	1	1	0
XLOC_002936	3	1	0	1
Gstt4	1	1	1	0
Gna15	2	1	1	0
Gatsl3	4	1	0	1
Xbp1	2	1	1	0
Adcy1	3	1	0	1
Asb3	4	1	0	1
Fam196b	4	1	0	1
Gfpt2	5	1	1	0
Hnrnph1	9	1	0	1
Adamts2	6	1	0	1
Zcchc10	2	1	1	0
Gm2a	2	1	0	1
Zfp692-ps	9	1	0	1
Wnt9a	2	1	0	1
Dhrs7b	5	1	0	1
2410006H16Rik	2	1	1	0
Mmgt2	4	1	0	1
Fbxw10	5	1	1	0
Per1	7	1	1	0
Phf23	8	1	1	0
Gabarap	3	1	0	1
Clec10a	5	1	1	0

Ywhae		7	1	1	0
Blmh		2	1	0	1
Slc6a4		1	1	1	0
Adap2		5	1	1	0
Psm11		6	1	1	0
Ccl2		1	1	1	0
Ccl7		1	1	1	0
Ccl12		1	1	1	0
Ccl8		1	1	1	0
Lig3		6	1	1	0
Unc45b		7	1	1	0
Sfn5		7	1	1	0
Gm11428		1	1	1	0
1110001A07Rik		2	1	0	1
Fam33a		1	1	1	0
	41886	4	1	1	0
Mmd		2	1	1	0
Spag9		8	1	0	1
Ppp1r9b		6	1	1	0
Fam117a		3	1	1	0
Spop		5	1	1	0
Zfp652		6	1	1	0
Hoxb8		2	1	0	1
Rapgef1		3	1	0	1
Naglu		3	1	1	0
Psme3		5	1	1	0
Rdm1		6	1	0	1
Grn		2	1	1	0
Arf2		2	1	0	1
Mrc2		7	1	1	0
Ace		5	1	1	0
Sox9		2	1	1	0
Rpl38		8	1	1	0
Sec14l1		4	1	1	0
Afmid		6	1	0	1
Gaa		3	1	1	0
Card14		6	1	1	0
Slc25a10		3	1	1	0
Tcn2		3	1	1	0
Kremen1		3	1	0	1
Polm		8	1	1	0
Cep68		4	1	0	1
Ahsa2		2	1	1	0
Papolg		3	1	1	0
Acyp2		5	1	1	0
Zfp2		8	1	1	0
Sec24a		6	1	1	0



AK138371	1	1	0	1
Tnip1	7	1	1	0
Rnf187	7	1	1	0
Guk1	3	1	1	0
Flii	8	1	1	0
Cox10	3	1	1	0
Fgf11	4	1	1	0
Hic1	2	1	1	0
Doc2b	1	1	1	0
Ksr1	12	1	0	1
Omg	2	1	0	1
Cct6b	8	1	0	1
Ccl9	2	1	1	0
Nxph3	3	1	1	0
Cdk5rap3	5	1	1	0
Arl5c	7	1	0	1
Krt19	4	1	1	0
Dhx58	3	1	0	1
Meox1	3	1	0	1
Map3k14	5	1	1	0
Bptf	9	1	0	1
XLOC_005303	3	1	0	1
Trim47	3	1	1	0
Rhbdf2	5	1	1	0
Tha1	5	1	1	0
Cbx4	2	1	1	0
Cbr2	2	1	1	0
Fasn	4	1	1	0
Rab40b	4	1	0	1
Pes1	7	1	0	1
Zmynd15	2	1	1	0
1300001I01Rik	8	1	0	1
Skap1	5	1	1	0
Npm1	6	1	0	1
Slc47a1	9	1	0	1
Efnb3	4	1	1	0
Itga2b	8	1	1	0
Gabrb2	2	1	0	1
Supt4h1	6	1	0	1
Wwc1	6	1	0	1
Trim41	3	1	0	1
Maml1	3	1	1	0
4930438A08Rik	1	1	1	0
Wnk4	1	1	1	0
Slc16a3	2	1	1	0
XLOC_004252	1	1	1	0
AI662270	1	1	1	0

Odc1	12	1	1	0
Hpcal1	3	1	0	1
Rrm2	4	1	0	1
Etv1	8	1	0	1
XLOC_006659	1	1	0	1
Arhgap5	6	1	0	1
Gm527	4	1	0	1
Dact1	5	1	0	1
Prkch	4	1	0	1
Syne2	14	1	1	0
Fcf1	6	1	0	1
Esrrb	2	1	0	1
1810035L17Rik	3	1	1	0
Rin3	7	1	1	0
Unc79	12	1	0	1
Bdkrb2	3	1	1	0
Dync1h1	9	1	1	0
Inf2	4	1	1	0
Tmem196	3	1	0	1
Greb1	9	1	0	1
Baz1a	9	1	1	0
Ralgapa1	13	1	0	1
AK043502	3	1	1	0
4930447C04Rik	16	1	1	0
XLOC_007106	8	1	1	0
Entpd5	8	1	0	1
Vipar	4	1	1	0
BC002230	3	1	0	1
Trip11	5	1	0	1
Stk30	15	1	0	1
Akt1	2	1	1	0
abParts	23	1	0	1
Atp6v1c2	3	1	1	0
Zbtb25	9	1	1	0
XLOC_006612	2	1	1	0
Gphb5	2	1	1	0
Akr1c14	2	1	1	0
Larp4b	2	1	1	0
Amph	6	1	1	0
Zscan12	3	1	1	0
BC005537	4	1	1	0
Mboat1	5	1	1	0
Serpib9	3	1	1	0
Rreb1	8	1	1	0
Hivep1	5	1	0	1
lars	4	1	0	1
Zfp369	6	1	0	1

Hapln1	2	1	0	1
Ap3b1	7	1	1	0
Chrm3	3	1	1	0
Actn2	6	1	1	0
BC025054	11	1	1	0
Cdkal1	4	1	0	1
9530008L14Rik	3	1	0	1
Tpmt	4	1	0	1
Sncb	4	1	1	0
Uimc1	8	1	1	0
Gkap1	7	1	1	0
Ctla2a	5	1	1	0
Slc35d2	7	1	1	0
Zfp712	4	1	0	1
Zfp708	8	1	0	1
Zfp595	3	1	1	0
Nkd2	3	1	1	0
Ahrr	6	1	0	1
XLOC_008659	3	1	0	1
Xrcc4	4	1	0	1
Iqgap2	5	1	1	0
Mccc2	3	1	1	0
Ndufs4	4	1	0	1
Parp8	10	1	0	1
Atxn1	6	1	1	0
Zfp366	3	1	1	0
Zfp458	7	1	0	1
Zfp58	4	1	1	0
Synpr	7	1	0	1
Sec24c	9	1	0	1
1700112E06Rik	7	1	0	1
D14Abb1e	7	1	0	1
Tmem110	5	1	0	1
Galnt12	4	1	1	0
Ncoa4	2	1	0	1
Ercc6	9	1	0	1
Mmrn2	3	1	1	0
Cdkn3	2	1	1	0
Samd4	5	1	0	1
Fbxo34	6	1	0	1
Mmp14	3	1	1	0
Cpne6	8	1	1	0
Dcaf11	7	1	0	1
Nfatc4	7	1	1	0
Sacs	3	1	0	1
Sox7	1	1	1	0
Scara5	3	1	1	0

Gnrh1	2	1	1	0
Med4	4	1	0	1
Tsc22d1	4	1	1	0
Epsti1	2	1	1	0
XLOC_009838	7	1	0	1
Scel	8	1	0	1
Gpc6	5	1	0	1
Farp1	3	1	1	0
Kcnk5	3	1	1	0
Phf7	7	1	0	1
Colq	2	1	0	1
AK041587	2	1	1	0
Gprin2	2	1	0	1
Fam35a	8	1	1	0
Nrg3	10	1	1	0
Ddhd1	10	1	0	1
Cnih	5	1	1	0
Wdhd1	8	1	1	0
Exoc5	7	1	0	1
Chd8	8	1	1	0
Cma1	1	1	1	0
Setdb2	7	1	1	0
Mtmr9	3	1	0	1
Fzd3	3	1	0	1
Nefm	6	1	0	1
Gtf2f2	2	1	1	0
Naa16	7	1	0	1
Diap3	6	1	0	1
Spry2	3	1	1	0
Tgds	7	1	1	0
Dock9	14	1	0	1
1300010F03Rik	4	1	0	1
Itgbl1	3	1	1	0
Gnpnat1	4	1	1	0
Zfp219	4	1	1	0
Mcpt4	1	1	1	0
Klhl1	2	1	1	0
Syt15	4	1	1	0
Olfm4	4	1	1	0
Prss51	1	1	1	0
AK136126	4	1	1	0
Rictor	5	1	0	1
Spag1	6	1	0	1
Baalc	3	1	0	1
Zfpm2	4	1	0	1
Oxr1	7	1	1	0
Wdr67	15	1	0	1

Pvt1		12	1	1	0
Zfp623		4	1	0	1
Lgals1		5	1	1	0
Triobp		5	1	1	0
Gm10863		5	1	1	0
Tomm22		3	1	0	1
Tab1		3	1	1	0
Mchr1		2	1	1	0
Tef		6	1	0	1
Aco2		4	1	1	0
	41885	5	1	0	1
Pnpla3		2	1	0	1
Parvg		3	1	0	1
Prr5		5	1	0	1
Pim3		4	1	0	1
Adm2		1	1	1	0
Gm4371		6	1	0	1
Smarcd1		4	1	0	1
Atf1		4	1	1	0
Nipbl		4	1	1	0
Fam105b		5	1	0	1
Nipal2		3	1	0	1
Ext1		3	1	1	0
Fbxo32		2	1	0	1
Lrrc6		3	1	0	1
Sla		3	1	1	0
Zfat		6	1	1	0
Tonsl		2	1	1	0
Arhgap39		10	1	1	0
Apol8		3	1	0	1
Foxred2		4	1	0	1
Ift27		3	1	0	1
Baiap2l2		5	1	1	0
Pdgfb		6	1	0	1
Mkl1		3	1	1	0
Tob2		3	1	0	1
Arfgap3		4	1	0	1
Ttll12		5	1	1	0
AK006138		1	1	0	1
Prickle1		6	1	1	0
Scaf11		5	1	0	1
Rapgef3		6	1	1	0
Zfp641		9	1	1	0
Rnd1		1	1	1	0
Racgap1		7	1	0	1
Smug1		2	1	0	1
Elm1		1	1	1	0

Csdc2	2	1	1	0
Skp2	6	1	0	1
Dgat1	4	1	1	0
Fer1l6	2	1	1	0
Wisp1	3	1	1	0
Scube1	5	1	1	0
Sec14l5	9	1	1	0
Snx29	6	1	1	0
Snai2	5	1	1	0
Top3b	4	1	0	1
Aifm3	8	1	0	1
Dvl3	5	1	0	1
Psmc2	5	1	1	0
Vps8	7	1	0	1
Hrasl5	4	1	0	1
Bdh1	4	1	1	0
Dlg1	12	1	0	1
Ubxn7	3	1	1	0
Itgb5	3	1	1	0
Mylk	8	1	1	0
Ptplb	6	1	0	1
Sema5b	4	1	0	1
Popdc2	3	1	0	1
Tmem39a	12	1	1	0
2610015P09Rik	6	1	1	0
Retnlg	1	1	0	1
AK090163	5	1	0	1
4931408A02Rik	8	1	0	1
Ifnar1	5	1	0	1
Ifngr2	2	1	1	0
Cbr1	4	1	0	1
Slx4	10	1	0	1
Tcfap4	4	1	1	0
Fam100a	4	1	0	1
Emp2	2	1	1	0
Dexi	4	1	0	1
Myh11	5	1	1	0
Ube2l3	7	1	1	0
Parl	4	1	0	1
Igf2bp2	8	1	1	0
Tbccd1	7	1	0	1
Lsg1	3	1	1	0
Cd86	1	1	1	0
Fbxo40	2	1	0	1
Cd96	6	1	1	0
5330426P16Rik	6	1	1	0
Rg9mtd1	2	1	1	0

Cadm2	6	1	0	1
Samsn1	4	1	1	0
Mrpl39	8	1	0	1
Tiam1	4	1	0	1
Erg	5	1	0	1
Ripk4	4	1	0	1
Pigz	1	1	0	1
Gramd1c	6	1	0	1
Ppp1r2	3	1	0	1
XLOC_012964	2	1	1	0
XLOC_013763	5	1	1	0
Park2	5	1	0	1
Tcp1	4	1	0	1
Zfp943	3	1	1	0
Narfl	2	1	0	1
Fance	10	1	1	0
Tbc1d22b	2	1	1	0
Rrp1b	8	1	1	0
Myo1f	5	1	1	0
Ndufa7	6	1	0	1
Rgl2	7	1	0	1
Tnxb	11	1	1	0
Abhd16a	3	1	0	1
Atp6v1g2	5	1	0	1
Cchr1	4	1	1	0
Nfkbie	2	1	1	0
Trem2	2	1	1	0
Kdm4b	8	1	0	1
Vav1	3	1	1	0
Emr1	4	1	1	0
Cntnap5c	9	1	0	1
L3mbtl4	14	1	0	1
Fam179a	11	1	1	0
Rasgrp3	4	1	0	1
Galm	5	1	0	1
Ppm1b	4	1	0	1
Tmem181c-ps	4	1	0	1
Gm16052	4	1	1	0
Dact2	3	1	1	0
Abca17	5	1	0	1
Fam173a	5	1	1	0
Rhot2	7	1	0	1
Bak1	6	1	1	0
Fkbp5	4	1	0	1
Notch3	13	1	1	0
Zfp870	4	1	0	1
H2-K1	3	1	0	1

C2	4	1	0	1
Aif1	3	1	1	0
Vars2	6	1	1	0
Spats1	7	1	1	0
Capn11	6	1	0	1
Klhdc3	7	1	0	1
Slc5a7	4	1	1	0
Pot1b	8	1	1	0
Sema6b	4	1	1	0
Gtf2f1	5	1	1	0
Dennd1c	10	1	0	1
Fbxl17	5	1	1	0
1110012J17Rik	6	1	0	1
Atl2	4	1	0	1
Cdkl4	3	1	0	1
XLOC_013764	2	1	0	1
Rxrb	4	1	1	0
Zfp119b	2	1	0	1
Tpsb2	1	1	1	0
Tnfaip8l1	2	1	1	0
Cfb	3	1	1	0
Svil	9	1	0	1
Mib1	2	1	0	1
Lama3	11	1	1	0
Rnf138	4	1	0	1
Zfp35	3	1	1	0
Galnt1	3	1	1	0
Egr1	2	1	1	0
Paip2	2	1	1	0
XLOC_015716	3	1	0	1
Eif1a	2	1	0	1
Snx2	4	1	1	0
Cd74	3	1	1	0
Wdr7	3	1	0	1
XLOC_015798	3	1	1	0
Malt1	6	1	1	0
Grp	2	1	1	0
Seh1l	6	1	0	1
Mex3c	2	1	0	1
Pias2	5	1	1	0
St8sia5	6	1	0	1
Zfp438	5	1	1	0
Gm10125	6	1	1	0
Mpp7	5	1	1	0
Brd8	4	1	0	1
Tmem173	2	1	1	0
Diap1	9	1	1	0



XLOC_015973	4	1	0	1
XLOC_015975	3	1	1	0
Pcdh12	2	1	1	0
Dtwd2	5	1	0	1
Zfp608	6	1	1	0
C330018D20Rik	3	1	0	1
Tcof1	4	1	0	1
Cep76	4	1	0	1
Poli	7	1	0	1
RP24-263P17.1	4	1	0	1
Galr1	2	1	1	0
Fhod3	3	1	1	0
AW554918	5	1	0	1
Ankhd1	7	1	0	1
Myo5b	8	1	0	1
XLOC_015852	3	1	0	1
XLOC_015807	4	1	1	0
Acy3	3	1	0	1
Clcf1	8	1	1	0
Ctsf	2	1	1	0
Rin1	6	1	1	0
Map3k11	4	1	0	1
Atg2a	6	1	1	0
Nrxn2	9	1	0	1
Ms4a6c	3	1	1	0
Ms4a6b	2	1	1	0
Mpeg1	1	1	1	0
Fam111a	1	1	1	0
Smarca2	10	1	1	0
Lipk	3	1	1	0
Fas	3	1	0	1
Cyp26a1	4	1	1	0
Hells	8	1	0	1
As3mt	3	1	1	0
Adra2a	2	1	1	0
Tcf7l2	12	1	1	0
Nhlrc2	2	1	0	1
Pnliprp2	3	1	1	0
Kcnk18	2	1	1	0
Aldh3b1	4	1	0	1
Tmem151a	5	1	0	1
Pacs1	4	1	1	0
Sipa1	7	1	1	0
Frmd8	2	1	1	0
Flrt1	2	1	0	1
Cox8a	2	1	1	0
Tmem216	4	1	0	1

Ms4a7	2	1	1	0
Ms4a6d	1	1	1	0
Mamdc2	4	1	0	1
Slc16a12	4	1	1	0
Ppp1r3c	2	1	0	1
Pyroxd2	9	1	0	1
Sec31b	6	1	0	1
Arl3	3	1	1	0
Csf2ra	16	1	0	1
Ndufv1	2	1	1	0
Pik3ap1	6	1	1	0
Unc93b1	3	1	1	0
Cep55	3	1	0	1
Tmem180	4	1	1	0
Ccdc88b	8	1	0	1
Ankrd1	1	1	1	0
Bend7	8	1	1	0
Sephs1	5	1	0	1
Ccdc3	1	1	1	0
Itih5	2	1	1	0
Il15ra	9	1	0	1
Thns1	4	1	0	1
Psd4	4	1	1	0
Fbxw5	5	1	0	1
St6galnac6	8	1	1	0
Rif1	10	1	0	1
Plekha3	5	1	1	0
Ypel4	3	1	0	1
Sfpi1	4	1	1	0
Ccdc34	3	1	1	0
Spred1	2	1	0	1
Thbs1	5	1	0	1
Mapkbp1	7	1	1	0
Wdr76	4	1	0	1
Ctdspl2	10	1	1	0
Eif3j	5	1	0	1
Fgf7	5	1	1	0
Dtwd1	6	1	0	1
Csrp2bp	4	1	1	0
Plk1s1	3	1	1	0
Tmem90b	4	1	0	1
2310046K01Rik	2	1	0	1
Scrt2	4	1	0	1
Srxn1	2	1	1	0
BC020535	8	1	0	1
U46068	4	1	0	1
Raly	8	1	1	0

Dlgap4	5	1	1	0
Lbp	2	1	1	0
Ppp1r16b	2	1	0	1
Fam83d	3	1	0	1
Plcg1	6	1	0	1
9430021M05Rik	9	1	0	1
L3mbtl	13	1	1	0
Gdap11l	4	1	1	0
Ywhab	5	1	1	0
Myt1	14	1	1	0
Taf3	2	1	1	0
Hnmt	2	1	0	1
A830007P12Rik	3	1	1	0
Traf2	4	1	1	0
Notch1	5	1	1	0
Agpat2	5	1	1	0
Fam163b	3	1	0	1
Sardh	4	1	0	1
Ccbl1	8	1	0	1
1700001O22Rik	7	1	0	1
Fibcd1	2	1	0	1
Fpgs	2	1	0	1
Cdk9	6	1	0	1
Stxbp1	2	1	1	0
Psmb7	3	1	1	0
Nr6a1	7	1	0	1
Golga1	5	1	0	1
Gtdc1	3	1	0	1
Neb	9	1	0	1
Slc38a11	7	1	0	1
Sp3	5	1	0	1
1110051M20Rik	4	1	1	0
Ldlrad3	4	1	1	0
D430041D05Rik	10	1	0	1
Eif3m	4	1	1	0
Mett5d1	4	1	1	0
Arhgap11a	3	1	0	1
Gjd2	1	1	0	1
Zfp770	2	1	0	1
Bmf	4	1	1	0
Tgm5	7	1	1	0
Mfap1a	6	1	0	1
Spg11	7	1	0	1
Patl2	2	1	0	1
Bambi-ps1	1	1	1	0
Zfp661	5	1	1	0
Gm14025	2	1	0	1

Il1b	1	1	1	0
Hao1	1	1	1	0
Gm14066	6	1	0	1
Bfsp1	6	1	0	1
Ahcy	5	1	1	0
D630003M21Rik	6	1	1	0
Sdc4	3	1	1	0
Wfdc3	3	1	1	0
Cdh22	3	1	1	0
Zfp663	4	1	0	1
Prex1	7	1	1	0
Fam65c	7	1	0	1
Kcng1	2	1	1	0
Zfp217	3	1	1	0
Ythdf1	4	1	0	1
Gm347	5	1	0	1
BC027685	1	1	1	0
Serf2	2	1	0	1
Exd1	5	1	0	1
Spint1	4	1	1	0
2310003F16Rik	3	1	1	0
Ankrd5	1	1	0	1
Gm14246	3	1	0	1
Fbn1	7	1	0	1
Eif2s2	5	1	0	1
Gm13399	3	1	1	0
Entpd2	2	1	1	0
Prnd	1	1	1	0
Cyp24a1	1	1	1	0
Raly1	9	1	1	0
Tnfsf10	5	1	1	0
Pld1	11	1	1	0
Kcnmb2	4	1	0	1
Sox2ot	7	1	1	0
Postn	5	1	1	0
Med12l	10	1	1	0
Kcnab1	6	1	1	0
Ptx3	4	1	1	0
lqcj-schip1	3	1	1	0
Ctso	2	1	1	0
Pbxip1	5	1	0	1
Adar	4	1	1	0
Gatad2b	3	1	0	1
S100a11	3	1	1	0
S100a10	5	1	1	0
Anp32e	3	1	0	1
Ankrd35	3	1	1	0

Fmo5	6	1	1	0
Nhlh2	4	1	1	0
XLOC_021076	7	1	1	0
Dpyd	3	1	0	1
Prss12	3	1	1	0
4930422G04Rik	11	1	0	1
Tifa	4	1	1	0
Cfi	3	1	1	0
Cxxc4	3	1	0	1
Nhedc2	8	1	0	1
Manba	6	1	0	1
Unc5c	2	1	0	1
Gbp2	2	1	0	1
Odf2l	12	1	1	0
Lpar3	7	1	0	1
Ctbs	4	1	1	0
Pigk	5	1	0	1
Il7	7	1	1	0
Pde7a	4	1	0	1
Crh	3	1	1	0
Cpb1	9	1	0	1
Frem2	5	1	1	0
Golim4	4	1	1	0
Lrat	2	1	1	0
Tlr2	3	1	1	0
Prcc	4	1	1	0
Fdps	12	1	1	0
2500003M10Rik	9	1	0	1
S100a9	2	1	0	1
Sprr1a	1	1	1	0
Scnm1	5	1	0	1
Fcgr1	1	1	1	0
Nudt17	2	1	1	0
Cd53	2	1	1	0
Fam40a	6	1	1	0
4933431E20Rik	3	1	0	1
Celsr2	5	1	1	0
Stxbp3a	3	1	1	0
Rwdd3	5	1	0	1
Larp7	4	1	0	1
Aimp1	3	1	0	1
Nfkb1	2	1	0	1
Hs2st1	3	1	1	0
Lphn2	13	1	1	0
Ptgfr	4	1	0	1
St6galnac3	4	1	1	0
Fam48a	5	1	0	1

S100a8	1	1	0	1
Adh7	2	1	1	0
Prr9	1	1	1	0
P2ry13	1	1	0	1
Trim59	2	1	1	0
XLOC_020782	4	1	1	0
Sprr2j-ps	1	1	1	0
XLOC_020987	1	1	1	0
Uox	1	1	1	0
Clca3	2	1	1	0
Lelp1	1	1	1	0
4930412C18Rik	12	1	1	0
Tmem55a	3	1	1	0
Tmod1	4	1	0	1
Tgfbr1	5	1	0	1
Smc2	6	1	1	0
Palm2	3	1	0	1
Zfp618	8	1	0	1
Col27a1	12	1	1	0
Acer2	6	1	0	1
Fggy	8	1	0	1
Usp24	6	1	1	0
Slc1a7	3	1	1	0
Mobkl2c	4	1	0	1
Mknk1	7	1	0	1
Ipp	3	1	1	0
Eif2b3	2	1	1	0
Pabpc4	12	1	1	0
Rspo1	2	1	1	0
Oscp1	4	1	0	1
Marcksl1	2	1	1	0
Map3k6	4	1	1	0
Gpatch3	4	1	0	1
Htr1d	6	1	0	1
Wnt4	2	1	1	0
Eif4g3	15	1	0	1
Pla2g2d	2	1	1	0
6330545A04Rik	2	1	0	1
Fam131c	2	1	1	0
Zbtb17	4	1	1	0
Dhrs3	2	1	1	0
Gm13203	1	1	1	0
Rere	10	1	1	0
Ttc34	3	1	0	1
9430015G10Rik	7	1	0	1
Plag1	4	1	0	1
Tmem67	6	1	1	0

Slc26a7	3	1	0	1
Orc3	7	1	1	0
Mobkl2b	3	1	0	1
Ddx58	3	1	1	0
Smrp1	10	1	0	1
Vcp	12	1	0	1
Fancg	4	1	0	1
Baat	1	1	0	1
lkbkap	8	1	1	0
Svep1	4	1	0	1
Rod1	8	1	0	1
Alad	2	1	1	0
Akna	8	1	1	0
Cdk5rap2	5	1	0	1
Ptprd	10	1	0	1
XLOC_023541	10	1	0	1
Lrrc42	3	1	0	1
Podn	4	1	1	0
Cyp4b1	2	1	1	0
Tspan1	2	1	0	1
Mast2	7	1	0	1
Btbd19	7	1	1	0
Kif2c	2	1	0	1
B4galt2	2	1	1	0
Cdc20	3	1	0	1
1700029G01Rik	7	1	0	1
Hpca	3	1	0	1
Rbbp4	2	1	1	0
Hdac1	14	1	1	0
Tmem39b	4	1	0	1
Grhl3	5	1	1	0
Ephb2	4	1	1	0
Zbtb40	6	1	0	1
Tmem51	5	1	1	0
AK018156	6	1	0	1
Tnfrsf8	3	1	1	0
Ajap1	2	1	1	0
1700024P16Rik	7	1	1	0
Ttc22	4	1	0	1
Txndc12	3	1	0	1
Lrrc38	1	1	1	0
Gm1987	6	1	0	1
AK133010	2	1	1	0
Nasp	2	1	1	0
Rps8	9	1	0	1
1110065P20Rik	1	1	1	0
Zkscan16	2	1	0	1

Nt5c1a	1	1	1	0
Cd72	3	1	0	1
Maneal	2	1	0	1
AK021368	1	1	1	0
Gm1060	6	1	0	1
Abhd1	3	1	1	0
Fosl2	2	1	0	1
Yes1	4	1	0	1
Ppp2r2c	5	1	0	1
Anapc4	4	1	0	1
Slc34a2	2	1	0	1
Wdr19	7	1	0	1
Tmem33	6	1	1	0
Srp72	2	1	1	0
Areg	1	1	1	0
Parm1	3	1	1	0
Stbd1	3	1	0	1
Shroom3	5	1	1	0
Fras1	8	1	0	1
Anxa3	5	1	1	0
lbsp	3	1	1	0
Btbd8	5	1	1	0
Pde6b	4	1	1	0
Galnt9	3	1	1	0
Ddx51	2	1	1	0
Chek2	8	1	1	0
Crybb1	4	1	0	1
Acacb	10	1	0	1
Oasl1	3	1	1	0
Sppl3	8	1	0	1
Rab35	4	1	0	1
Hrk	1	1	1	0
Hip1r	4	1	0	1
Gpr133	3	1	1	0
Cct6a	9	1	0	1
2900083I11Rik	8	1	0	1
Hspb1	1	1	1	0
Rasa4	6	1	1	0
BC055004	5	1	1	0
Fam20c	3	1	1	0
Eif3b	4	1	1	0
Amz1	7	1	1	0
A330021E22Rik	10	1	1	0
Abcf2	4	1	1	0
Xrcc2	3	1	1	0
Ucn	2	1	1	0
Spon2	2	1	0	1



Fam53a	5	1	0	1
Poln	8	1	0	1
Htra3	5	1	1	0
Zbtb49	4	1	0	1
Bod1l	8	1	0	1
Prom1	9	1	0	1
Arap2	8	1	0	1
Hpse	2	1	0	1
Wdfy3	8	1	0	1
Hfm1	16	1	0	1
Fbrsl1	9	1	0	1
Cryba4	4	1	0	1
Selplg	2	1	1	0
Alkbh2	6	1	0	1
Trafd1	9	1	0	1
Cux2	10	1	0	1
Ift81	5	1	1	0
Ncor2	17	1	0	1
Limk1	5	1	0	1
Serpine1	3	1	1	0
Gpc2	7	1	1	0
Micall2	3	1	1	0
Mmd2	5	1	1	0
Zfp316	4	1	0	1
Ccz1	2	1	1	0
Gm15411	4	1	0	1
Il6	3	1	1	0
Gm15800	4	1	0	1
XLOC_025899	2	1	1	0
Tmem119	2	1	1	0
Ppbp	1	1	1	0
XLOC_025402	4	1	0	1
Gm13826	2	1	1	0
XLOC_026130	3	1	0	1
Trim54	1	1	1	0
AK080411	1	1	1	0
XLOC_025519	2	1	1	0
XLOC_025579	1	1	1	0
Gm17019	3	1	1	0
Gm16001	2	1	1	0
Peg10	3	1	0	1
Glcci1	11	1	1	0
Nxph1	6	1	0	1
A430107O13Rik	6	1	1	0
Lrguk	7	1	0	1
Akr1b8	2	1	1	0
Agbl3	6	1	0	1

Ttc26	3	1	1	0
Clec2l	3	1	0	1
TCR-beta chain	4	1	1	0
Cul1	5	1	0	1
Krba1	9	1	1	0
Gimap1	4	1	0	1
AK043004	9	1	0	1
Prr15	2	1	1	0
Prdm5	11	1	0	1
Pcgf1	2	1	1	0
Alms1	15	1	0	1
Fgd5	6	1	1	0
Fam19a1	5	1	0	1
Arl6ip5	5	1	1	0
Ppp4r2	5	1	1	0
Slc6a11	2	1	0	1
Slc6a1	4	1	1	0
Syn2	4	1	0	1
Rad52	10	1	1	0
Mfap5	2	1	0	1
Clec4a1	2	1	1	0
Clec4a2	2	1	1	0
Clec4n	3	1	1	0
Phb2	2	1	1	0
Tspan11	5	1	0	1
Plekha5	11	1	0	1
Slco1c1	4	1	1	0
AK087382	1	1	1	0
Samd9l	2	1	1	0
Zfp800	9	1	1	0
Rbm28	3	1	1	0
Gm2058	4	1	1	0
Dgki	7	1	1	0
Tpk1	9	1	1	0
Ezh2	10	1	1	0
Gimap3	4	1	0	1
Nod1	5	1	0	1
Ppm1k	4	1	0	1
Vamp8	3	1	1	0
Dok1	5	1	1	0
Cd207	2	1	1	0
Arhgap25	6	1	1	0
Aplf	4	1	1	0
Wnt7a	3	1	0	1
Cntn3	6	1	0	1
XLOC_028313	3	1	1	0
Prrt3	4	1	0	1

Tmem40	6	1	0	1
BC060267	8	1	1	0
Mbd4	7	1	0	1
Zfp422	3	1	0	1
Zfp9	2	1	1	0
Apobec1	6	1	0	1
C3ar1	1	1	1	0
Ptpn6	4	1	1	0
Clec1a	3	1	0	1
Art4	3	1	1	0
Slc15a5	5	1	0	1
Slco1a4	10	1	1	0
Kcnj8	5	1	1	0
Loxl3	3	1	1	0
Gm5577	3	1	0	1
Mitf	6	1	0	1
Gcc1	2	1	0	1
Hpgds	2	1	1	0
AK161590	4	1	1	0
Ccdc37	6	1	0	1
Ccdc48	6	1	1	0
Cecr2	3	1	0	1
Slc25a18	2	1	0	1
Dera	1	1	0	1
Nup210	4	1	1	0
Reg3b	2	1	1	0
Reg1	2	1	1	0
XLOC_027806	1	1	1	0
Prp2	1	1	1	0
A430110N23Rik	7	1	1	0
Eml2	9	1	0	1
Ercc2	4	1	0	1
Plaur	4	1	1	0
Zfp574	6	1	1	0
Megf8	9	1	0	1
Tgfb1	3	1	1	0
Zfp30	7	1	0	1
AI428936	8	1	0	1
Tyrobp	1	1	1	0
Ankrd27	4	1	1	0
Etfb	4	1	0	1
Hsd17b14	10	1	0	1
Tmem86a	4	1	1	0
Atp10a	4	1	1	0
Ube3a	7	1	0	1
Adamts17	5	1	0	1
Lysmd4	4	1	0	1

Fam169b	6	1	1	0
Pde8a	3	1	0	1
Sh3gl3	5	1	1	0
Mex3b	3	1	0	1
Ctsc	3	1	1	0
Me3	5	1	0	1
Rab30	3	1	0	1
Alg8	5	1	1	0
Pak1	4	1	0	1
Cckbr	1	1	1	0
Dnhd1	11	1	0	1
Mical2	6	1	0	1
Arntl	7	1	0	1
1110004F10Rik	4	1	0	1
Nucb2	3	1	1	0
Tmc5	7	1	1	0
Acsm3	1	1	1	0
Prkcb	3	1	0	1
Srcap	4	1	0	1
Plekha1	5	1	0	1
Lhpp	7	1	1	0
Inpp5a	2	1	0	1
Paox	7	1	1	0
Eps8l2	4	1	1	0
Pnpla2	3	1	1	0
Dhcr7	7	1	0	1
Mrgprf	2	1	1	0
Zfp787	5	1	1	0
Zfp329	4	1	0	1
Sepw1	6	1	1	0
Ehd2	5	1	1	0
C5ar1	1	1	1	0
Clasrp	11	1	0	1
Zfp109	4	1	0	1
Zfp94	10	1	1	0
Erf	3	1	1	0
Cyp2s1	3	1	0	1
Itpkc	2	1	1	0
Actn4	4	1	0	1
Sipa1l3	3	1	0	1
XLOC_030290	5	1	1	0
Wdr62	13	1	1	0
Rbm42	11	1	1	0
Scn1b	7	1	0	1
Rpl13a	7	1	1	0
Flt3l	13	1	1	0
Sult2b1	5	1	1	0

Abcc8	3	1	0	1
Tsg101	5	1	1	0
Klf13	3	1	0	1
Lrrk1	4	1	0	1
Aldh1a3	3	1	0	1
Hapln3	4	1	0	1
Blm	6	1	0	1
Slco2b1	6	1	1	0
P2ry6	2	1	1	0
Trim68	8	1	1	0
Olfr78	3	1	1	0
Tpp1	2	1	1	0
Tmem41b	5	1	0	1
Rras2	2	1	1	0
Syt17	4	1	1	0
Tbc1d10b	4	1	1	0
Prss53	5	1	1	0
Fgfr2	7	1	0	1
Tcerg1l	4	1	1	0
Tubgcp2	4	1	0	1
Rnh1	3	1	1	0
Hras1	7	1	1	0
Igf2	2	1	1	0
Ccnd1	2	1	1	0
Olfr1344	3	1	1	0
Shank1	8	1	0	1
Hs3st4	2	1	0	1
XLOC_030069	4	1	0	1
Kcnq1	9	1	1	0
Atg16l2	12	1	0	1
Zfp668	4	1	1	0
1810014F10Rik	3	1	0	1
B230206H07Rik	7	1	1	0
Ppp1r13l	4	1	0	1
XLOC_029660	1	1	0	1
Akt1s1	2	1	0	1
C330019L16Rik	1	1	0	1
4931406B18Rik	2	1	1	0
XLOC_030435	2	1	0	1
XLOC_030012	2	1	1	0
AW146154	5	1	1	0
Igsf6	2	1	1	0
Mcph1	4	1	0	1
Rnf170	10	1	1	0
Thap1	5	1	0	1
Fut10	5	1	0	1
Gsr	3	1	1	0

Ufsp2	5	1	0	1
Dctd	4	1	1	0
Aga	2	1	0	1
Sh3rf1	3	1	0	1
Lrrc25	2	1	1	0
Mtap1s	5	1	0	1
Jak3	7	1	1	0
Zfp961	3	1	0	1
Ap1m1	3	1	1	0
Hmox1	2	1	1	0
Inpp4b	6	1	0	1
Lyl1	6	1	1	0
Tnpo2	8	1	1	0
Lonp2	4	1	1	0
Mmp2	2	1	1	0
XLOC_032505	10	1	0	1
CKLF6	5	1	0	1
Pdp2	3	1	1	0
Ces2g	3	1	0	1
Prmt7	2	1	1	0
Cdh3	3	1	0	1
AK015813	6	1	1	0
Wwp2	4	1	1	0
Pmfbp1	10	1	0	1
Plcg2	6	1	1	0
Cdh13	2	1	1	0
Gse1	9	1	1	0
Irf8	4	1	0	1
Cdt1	5	1	0	1
Dpep1	2	1	0	1
Gm505	4	1	1	0
Itgb1	6	1	1	0
Pex11c	3	1	1	0
Brf2	2	1	0	1
Sgcz	2	1	0	1
Msr1	1	1	1	0
Ccdc111	5	1	1	0
Wdr17	8	1	0	1
Tll1	3	1	0	1
Upf1	4	1	1	0
Mast3	6	1	0	1
9130011J15Rik	5	1	0	1
1700011L22Rik	4	1	0	1
Zfp330	8	1	0	1
Cd97	6	1	1	0
Ccdc130	3	1	1	0
Vps35	3	1	0	1

XLOC_032981	1	1	0	1
Gm5913	1	1	0	1
Gfod2	4	1	1	0
Slc12a4	5	1	1	0
Smpd3	2	1	1	0
Marveld3	3	1	0	1
Calb2	1	1	0	1
Fuk	2	1	1	0
Pkd1l2	16	1	0	1
Kcng4	5	1	0	1
Fam92b	1	1	0	1
1190005I06Rik	2	1	0	1
Klhdc4	6	1	1	0
AK032654	5	1	1	0
1300018I17Rik	4	1	0	1
Sipa1l2	5	1	1	0
XLOC_032144	1	1	1	0
XLOC_032260	2	1	1	0
Trmt1	3	1	0	1
Lpla2	1	1	1	0
Cenpt	3	1	1	0
Podnl1	6	1	1	0
Star	1	1	1	0
Zfp964	1	1	0	1
XLOC_032830	4	1	1	0
Gpr83	4	1	1	0
BC017612	5	1	1	0
Icam5	2	1	0	1
Pde4a	5	1	1	0
Slc44a2	4	1	1	0
Prkcsh	5	1	1	0
B3gat1	3	1	0	1
Opcml	8	1	0	1
Cdon	2	1	1	0
Drd2	7	1	1	0
Cryab	4	1	1	0
Gldn	2	1	0	1
AI118078	5	1	0	1
Rcn2	2	1	1	0
Cspg4	2	1	0	1
Stoml1	4	1	1	0
Adpgk	3	1	0	1
Igdcc3	7	1	0	1
Parp16	4	1	1	0
Rora	2	1	1	0
Narg2	8	1	1	0
Onecut1	3	1	0	1

Gnb5	4	1	0	1
XLOC_034422	4	1	1	0
Irak1bp1	3	1	0	1
Rwdd2a	3	1	1	0
Mrap2	8	1	0	1
Bcl2a1b	2	1	1	0
Ctsh	3	1	1	0
Adamts7	10	1	1	0
Cep70	7	1	0	1
Topbp1	3	1	0	1
Cish	2	1	1	0
Rassf1	3	1	1	0
Mst1r	8	1	1	0
Pfkfb4	3	1	1	0
Nme6	9	1	1	0
Ngp	1	1	0	1
Dclk3	3	1	1	0
Golga4	8	1	0	1
Nktr	9	1	0	1
Limd1	3	1	1	0
Birc2	5	1	0	1
Elavl3	4	1	1	0
Zfp653	7	1	1	0
Ntm	6	1	0	1
Tecta	5	1	1	0
C2cd2l	3	1	0	1
Cep164	10	1	0	1
Htr3b	5	1	0	1
Gm684	2	1	0	1
Gapdh	3	1	1	0
Cul5	4	1	0	1
Rab39	4	1	0	1
Islr	3	1	1	0
Smad3	3	1	1	0
Rab11a	7	1	0	1
Tex9	3	1	1	0
Fbxo9	9	1	0	1
Lca5	8	1	0	1
Me1	6	1	0	1
4922501C03Rik	7	1	0	1
Chst2	1	1	1	0
Armc8	5	1	0	1
Glyctk	7	1	0	1
Ppm1m	6	1	1	0
Mlh1	5	1	1	0
Arpp21	7	1	0	1
Stt3b	3	1	1	0



Cx3cr1		1	1	1	0
AK089135		2	1	0	1
XLOC_035131		5	1	1	0
Fyco1		6	1	1	0
Ccr1		1	1	1	0
Icam1		3	1	1	0
Prdm10		8	1	1	0
Zfp167		6	1	1	0
Mpi		2	1	1	0
Zwilch		3	1	0	1
Megf11		5	1	0	1
XLOC_034646		5	1	1	0
Esyt3		5	1	0	1
Lrrc2		2	1	1	0
Ccr5		1	1	1	0
Chrna5		1	1	1	0
Aqp9		1	1	1	0
Gpkow		5	1	0	1
Tspan7		5	1	1	0
Kdm6a		8	1	1	0
Ube2a		2	1	1	0
Bcor1		6	1	1	0
Hprt		3	1	0	1
Aff2		4	1	0	1
Hmgb3		4	1	1	0
Xlr4e-ps		4	1	0	1
Klhl15		6	1	0	1
Apoo		4	1	0	1
Gm14827		7	1	0	1
Uprt		3	1	0	1
Pcdh11x		4	1	0	1
Gprasp1		6	1	0	1
Prps1		3	1	0	1
Pir		4	1	1	0
Ccdc22		6	1	1	0
Med14		4	1	0	1
Efhc2		6	1	0	1
	41888	10	1	1	0
Atp11c		10	1	1	0
Pdzd4		7	1	0	1
Naa10		6	1	1	0
Rps6ka6		5	1	0	1
Tceal6		3	1	0	1
Gpr173		6	1	0	1
Car5b		3	1	1	0
AK013876		3	1	0	1
Plp2		5	1	0	1

Arhgap4	5	1	1	0
Renbp	4	1	1	0
Dcx	1	1	1	0
XLOC_036520	1	1	0	1
Gm1992	1	0	0	0
XLOC_000002	1	0	0	0
Atp6v1h	7	0	0	0
Oprk1	1	0	0	0
Rb1cc1	4	0	0	0
Pcmt1d1	6	0	0	0
Rrs1	1	0	0	0
Adhfe1	1	0	0	0
Sgk3	6	0	0	0
6030422M02Rik	5	0	0	0
Prex2	6	0	0	0
XLOC_000017	3	0	0	0
Sulf1	6	0	0	0
Kcnb2	4	0	0	0
Terf1	3	0	0	0
Rdh10	1	0	0	0
Tmem70	2	0	0	0
Ly96	4	0	0	0
XLOC_000028	1	0	0	0
Gdap1	2	0	0	0
Crispld1	4	0	0	0
Paqr8	2	0	0	0
Efhc1	2	0	0	0
XLOC_000032	1	0	0	0
Tmem14a	4	0	0	0
Lmbrd1	3	0	0	0
Gm9884	2	0	0	0
AK188812	2	0	0	0
Khdrbs2	4	0	0	0
XLOC_000042	4	0	0	0
Rab23	7	0	0	0
Dst	16	0	0	0
Imp4	3	0	0	0
Fam123c	3	0	0	0
mKIAA1112	4	0	0	0
Hs6st1	4	0	0	0
Arid5a	4	0	0	0
Cnm4	4	0	0	0
Cnm3	2	0	0	0
Cox5b	5	0	0	0
Vwa3b	2	0	0	0
4921511C04Rik	3	0	0	0
Inpp4a	4	0	0	0

Unc50	2	0	0	0
Lipt1	1	0	0	0
Mrpl30	4	0	0	0
XLOC_000063	2	0	0	0
Eif5b	2	0	0	0
Nms	2	0	0	0
Pdcl3	2	0	0	0
Npas2	5	0	0	0
D1Bwg0212e	1	0	0	0
Il1r2	2	0	0	0
Il1r1	6	0	0	0
Slc9a2	3	0	0	0
Mrps9	1	0	0	0
Gpr45	2	0	0	0
A1597479	2	0	0	0
1500015O10Rik	1	0	0	0
Tpp2	5	0	0	0
Ercc5	5	0	0	0
Gulp1	3	0	0	0
Col3a1	3	0	0	0
Wdr75	3	0	0	0
Dnahc7b	4	0	0	0
XLOC_000092	1	0	0	0
Tmeff2	10	0	0	0
Stat1	10	0	0	0
XLOC_000099	2	0	0	0
Hibch	2	0	0	0
Mstn	2	0	0	0
Ormdl1	1	0	0	0
Osgepl1	2	0	0	0
Coq10b	2	0	0	0
Hspe1	3	0	0	0
Gm8292	1	0	0	0
Plcl1	3	0	0	0
XLOC_000111	1	0	0	0
1700066M21Rik	4	0	0	0
Spats2l	9	0	0	0
Sgol2	3	0	0	0
Aox4	1	0	0	0
Bzw1	4	0	0	0
Nif3l1	4	0	0	0
AK053027	3	0	0	0
Ndufb3	2	0	0	0
Casp8	3	0	0	0
Stradb	2	0	0	0
PAPK-A	1	0	0	0
Cdk15	9	0	0	0

Nop58	1	0	0	0
Bmpr2	2	0	0	0
Fam117b	4	0	0	0
Carf	5	0	0	0
Cyp20a1	5	0	0	0
Abi2	7	0	0	0
Pard3b	2	0	0	0
Nrp2	5	0	0	0
Eef1b2	6	0	0	0
Adam23	3	0	0	0
Fastkd2	2	0	0	0
Creb1	6	0	0	0
Pikfyve	10	0	0	0
Pth2r	2	0	0	0
Unc80	7	0	0	0
Rpe	2	0	0	0
Atic	3	0	0	0
AK044410	2	0	0	0
Tmem169	3	0	0	0
Xrcc5	6	0	0	0
Arpc2	3	0	0	0
Gm216	5	0	0	0
Ctdsp1	2	0	0	0
Rqcd1	3	0	0	0
Plcd4	4	0	0	0
Stk36	8	0	0	0
Tll4	4	0	0	0
Cyp27a1	5	0	0	0
Wnt6	2	0	0	0
Fam134a	3	0	0	0
Zfand2b	3	0	0	0
Dnajb2	5	0	0	0
Des	2	0	0	0
Gmppa	5	0	0	0
Stk11ip	5	0	0	0
Slc4a3	13	0	0	0
XLOC_000190	1	0	0	0
Mogat1	3	0	0	0
Acsl3	3	0	0	0
Kcne4	2	0	0	0
Col4a3	1	0	0	0
Mff	5	0	0	0
Agfg1	9	0	0	0
Gm6374	1	0	0	0
BC100303	2	0	0	0
Cab39	4	0	0	0
Itm2c	1	0	0	0

4933407L21Rik	1	0	0	0
2810459M11Rik	1	0	0	0
Psmc1	6	0	0	0
Armc9	7	0	0	0
XLOC_000215	1	0	0	0
Cops7b	4	0	0	0
Dis3l2	5	0	0	0
Neu2	1	0	0	0
Atg16l1	3	0	0	0
Dgkd	2	0	0	0
Ugt1a6a	3	0	0	0
Trpm8	5	0	0	0
Sh3bp4	5	0	0	0
Agap1	8	0	0	0
Cxcr7	1	0	0	0
Cops8	1	0	0	0
Lrrfip1	5	0	0	0
Ramp1	1	0	0	0
Ube2f	5	0	0	0
Scly	2	0	0	0
Traf3ip1	3	0	0	0
mKIAA1146	1	0	0	0
Asb1	2	0	0	0
Gpc1	4	0	0	0
Dusp28	1	0	0	0
Rnpepl1	7	0	0	0
Capn10	4	0	0	0
Gpr35	7	0	0	0
Ppp1r7	4	0	0	0
	41884	1	0	0
Farp2	1	0	0	0
Bok	1	0	0	0
Atg4b	4	0	0	0
Ing5	3	0	0	0
D2hgdh	9	0	0	0
Fam174a	1	0	0	0
Gm3555	1	0	0	0
Cntnap5b	3	0	0	0
Cdh20	3	0	0	0
2310035C23Rik	6	0	0	0
Tnfrsf11a	4	0	0	0
XLOC_000275	1	0	0	0
Phlpp1	2	0	0	0
Serpinb8	1	0	0	0
Mki67ip	1	0	0	0
Clasp1	4	0	0	0
Ccdc93	4	0	0	0

XLOC_000292	1	0	0	0
Slc35f5	4	0	0	0
Gpr39	2	0	0	0
Mgat5	3	0	0	0
XLOC_000298	1	0	0	0
Ccnt2	4	0	0	0
Rab3gap1	2	0	0	0
Rpl28-ps1	1	0	0	0
R3hdm1	5	0	0	0
Ubxn4	4	0	0	0
Yod1	1	0	0	0
5430435G22Rik	4	0	0	0
Pm20d1	1	0	0	0
Slc41a1	3	0	0	0
Rab711	1	0	0	0
Nucks1	2	0	0	0
Slc45a3	2	0	0	0
Elk4	2	0	0	0
Klhdc8a	3	0	0	0
Nuak2	2	0	0	0
Dstyk	3	0	0	0
Rbbp5	6	0	0	0
XLOC_000325	1	0	0	0
Lrrn2	3	0	0	0
XLOC_000326	1	0	0	0
Pik3c2b	4	0	0	0
XLOC_000328	2	0	0	0
Ppp1r15b	2	0	0	0
Plekha6	2	0	0	0
Etnk2	4	0	0	0
Fmod	2	0	0	0
Chit1	1	0	0	0
Chi3l1	5	0	0	0
Cyb5r1	5	0	0	0
Adipor1	5	0	0	0
Klhl12	1	0	0	0
Kdm5b	3	0	0	0
Syt2	3	0	0	0
Ube2t	2	0	0	0
Arl8a	4	0	0	0
Csrp1	4	0	0	0
Phlda3	2	0	0	0
Tmem9	2	0	0	0
Kif21b	6	0	0	0
XLOC_000355	2	0	0	0
Ddx59	2	0	0	0
Zfp281	2	0	0	0

XLOC_000358	6	0	0	0
Dennd1b	7	0	0	0
Zbtb41	4	0	0	0
Uchl5	5	0	0	0
Tpr	2	0	0	0
Ska2l-ps	1	0	0	0
1190005F20Rik	3	0	0	0
Fam129a	1	0	0	0
Niban	2	0	0	0
Edem3	3	0	0	0
Glt25d2	5	0	0	0
XLOC_000377	2	0	0	0
Nmnat2	1	0	0	0
mKIAA0479	2	0	0	0
1700012A16Rik	1	0	0	0
Rgs8	7	0	0	0
XLOC_000383	2	0	0	0
Rgs16	1	0	0	0
Rnasel	7	0	0	0
Glul	3	0	0	0
XLOC_000387	3	0	0	0
Stx6	2	0	0	0
Acbd6	2	0	0	0
Tor1aip2	6	0	0	0
Gm2000	1	0	0	0
XLOC_000397	2	0	0	0
2810025M15Rik	1	0	0	0
BC026585	6	0	0	0
Sec16b	11	0	0	0
Astn1	2	0	0	0
Rfwd2	13	0	0	0
4930523C07Rik	4	0	0	0
Mrps14	1	0	0	0
Rc3h1	3	0	0	0
Gas5	3	0	0	0
Ankrd45	9	0	0	0
Pigc	3	0	0	0
Vamp4	5	0	0	0
XLOC_000413	1	0	0	0
Myoc	1	0	0	0
Kifap3	4	0	0	0
Scyl3	9	0	0	0
2810422O20Rik	2	0	0	0
4930455F23Rik	2	0	0	0
Gpr161	3	0	0	0
Brp44	1	0	0	0
Creg1	3	0	0	0

Tada1	3	0	0	0
Fam78b	2	0	0	0
Tmco1	1	0	0	0
Aldh9a1	3	0	0	0
Rxrg	5	0	0	0
Rgs5	2	0	0	0
1700084C01Rik	3	0	0	0
AK014177	2	0	0	0
Olfml2b	1	0	0	0
1700009P17Rik	5	0	0	0
Mpz	1	0	0	0
Apoa2	1	0	0	0
Adamts4	2	0	0	0
B4galt3	1	0	0	0
Dedd	3	0	0	0
Pvrl4	4	0	0	0
Usf1	6	0	0	0
F11r	2	0	0	0
Refbp2	1	0	0	0
Cd84	3	0	0	0
Copa	6	0	0	0
Pex19	1	0	0	0
Dcaf8	2	0	0	0
Kcnj10	1	0	0	0
Pigm	1	0	0	0
Slamf9	2	0	0	0
Igsf9	9	0	0	0
Tagln2	4	0	0	0
Aim2	6	0	0	0
Pydc3	2	0	0	0
Fmn2	2	0	0	0
Sdccag8	2	0	0	0
Zfp238	2	0	0	0
rp58	3	0	0	0
Pppde1	7	0	0	0
Kif26b	4	0	0	0
Sccpdh	2	0	0	0
Cdc42bpa	5	0	0	0
XLOC_000490	2	0	0	0
XLOC_000491	2	0	0	0
Itpkb	9	0	0	0
Parp1	3	0	0	0
Lin9	3	0	0	0
Acbd3	1	0	0	0
BC031781	1	0	0	0
Pycr2	2	0	0	0
Tmem63a	5	0	0	0



Cnih4	3	0	0	0
A430110L20Rik	1	0	0	0
XLOC_000503	1	0	0	0
Cnih3	4	0	0	0
Srp9	3	0	0	0
Susd4	5	0	0	0
Tlr5	8	0	0	0
XLOC_000512	2	0	0	0
Dusp10	1	0	0	0
XLOC_000515	2	0	0	0
XLOC_000516	5	0	0	0
Rab3gap2	3	0	0	0
Eprs	7	0	0	0
Esrrg	5	0	0	0
Ptpn14	2	0	0	0
Angel2	6	0	0	0
Nsl1	2	0	0	0
XLOC_000533	3	0	0	0
Tmem206	1	0	0	0
Lpgat1	5	0	0	0
Slc30a1	2	0	0	0
Gm10516	4	0	0	0
Kcnh1	3	0	0	0
Irf6	2	0	0	0
A130010J15Rik	2	0	0	0
Plxna2	4	0	0	0
Cd34	3	0	0	0
Xkr4	3	0	0	0
Mrpl15	3	0	0	0
Gm6104	1	0	0	0
Rgs20	2	0	0	0
2610203C22Rik	6	0	0	0
Mybl1	5	0	0	0
Vcpip1	1	0	0	0
Snhg6	3	0	0	0
Cops5	2	0	0	0
Arfgef1	3	0	0	0
Ncoa2	7	0	0	0
Tram1	3	0	0	0
Lactb2	3	0	0	0
Msc	2	0	0	0
Gm106	2	0	0	0
AK015384	5	0	0	0
Stau2	6	0	0	0
Tceb1	5	0	0	0
Jph1	3	0	0	0
XLOC_000593	2	0	0	0

Mcm3	2	0	0	0
Gm7658	1	0	0	0
mKIAA0340	1	0	0	0
Ogfrl1	5	0	0	0
1110058L19Rik	1	0	0	0
Bai3	9	0	0	0
Phf3	8	0	0	0
Bag2	2	0	0	0
Zfp451	4	0	0	0
Gm15455	1	0	0	0
Bend6	4	0	0	0
Fam168b	3	0	0	0
Uggt1	7	0	0	0
Neur13	5	0	0	0
4632411B12Rik	4	0	0	0
Lman2l	4	0	0	0
Sema4c	12	0	0	0
Actr1b	5	0	0	0
Tmem131	5	0	0	0
6330578E17Rik	4	0	0	0
Mgat4a	6	0	0	0
Tsga10	8	0	0	0
Mitd1	2	0	0	0
Txndc9	6	0	0	0
Aff3	9	0	0	0
Lonrf2	1	0	0	0
Chst10	7	0	0	0
Tbc1d8	2	0	0	0
Creg2	3	0	0	0
AK041998	3	0	0	0
XLOC_000651	1	0	0	0
Mfsd9	3	0	0	0
Tgfbrap1	6	0	0	0
Fhl2	2	0	0	0
Uxs1	7	0	0	0
1700029F09Rik	5	0	0	0
Kdelc1	3	0	0	0
Col5a2	4	0	0	0
Slc40a1	2	0	0	0
Slc39a10	5	0	0	0
Obfc2a	2	0	0	0
Myo1b	3	0	0	0
Gls	2	0	0	0
Nab1	2	0	0	0
Mfsd6	6	0	0	0
Inpp1	5	0	0	0
Pms1	6	0	0	0

Asnsd1	1	0	0	0
AK038423	2	0	0	0
Stk17b	1	0	0	0
Hecw2	7	0	0	0
Sf3b1	4	0	0	0
Rftn2	1	0	0	0
Kctd18	6	0	0	0
Clk1	7	0	0	0
Orc2	1	0	0	0
Trak2	6	0	0	0
Als2cr4	3	0	0	0
Mpp4	2	0	0	0
Als2	4	0	0	0
Sumo1	4	0	0	0
Ica1l	8	0	0	0
Wdr12	6	0	0	0
Raph1	4	0	0	0
Ndufs1	3	0	0	0
Gpr1	2	0	0	0
Dytn	2	0	0	0
Mdh1b	2	0	0	0
XLOC_000719	1	0	0	0
Klf7	7	0	0	0
Fam119a	3	0	0	0
AK013046	1	0	0	0
Fzd5	1	0	0	0
Plekhm3	4	0	0	0
Rpl10a-ps1	1	0	0	0
D630023F18Rik	4	0	0	0
Acadl	3	0	0	0
Lancl1	2	0	0	0
Bard1	5	0	0	0
Mreg	2	0	0	0
Pecr	1	0	0	0
	41702	1	0	0
Igfbp5	1	0	0	0
Tns1	12	0	0	0
Aamp	5	0	0	0
Tmbim1	5	0	0	0
Usp37	6	0	0	0
Rnf25	6	0	0	0
Cryba2	1	0	0	0
1810031K17Rik	2	0	0	0
Abcb6	3	0	0	0
Atg9a	9	0	0	0
Glb1l	2	0	0	0
Ptprn	10	0	0	0

Resp18	1	0	0	0
Dnpep	5	0	0	0
Obsl1	6	0	0	0
Epha4	3	0	0	0
XLOC_000763	1	0	0	0
Farsb	2	0	0	0
Scg2	4	0	0	0
Ap1s3	1	0	0	0
Wdfy1	5	0	0	0
Cul3	3	0	0	0
Dock10	7	0	0	0
Irs1	2	0	0	0
Sphkap	3	0	0	0
Pid1	2	0	0	0
Dner	2	0	0	0
Trip12	12	0	0	0
Sp110	7	0	0	0
A630001G21Rik	3	0	0	0
Ncl	4	0	0	0
Nmur1	3	0	0	0
Pde6d	2	0	0	0
Gm6136	1	0	0	0
Ngef	2	0	0	0
Usp40	3	0	0	0
Hjurp	5	0	0	0
Arl4c	1	0	0	0
Col6a3	8	0	0	0
Ilkap	5	0	0	0
Hes6	1	0	0	0
Hdac4	10	0	0	0
Ndufa10	2	0	0	0
Myeov2	4	0	0	0
XLOC_000808	1	0	0	0
Kif1a	14	0	0	0
Mterfd2	1	0	0	0
Hdlbp	7	0	0	0
Stk25	6	0	0	0
Thap4	2	0	0	0
St8sia4	2	0	0	0
Slco6c1	1	0	0	0
D1Ertd622e	4	0	0	0
Pam	7	0	0	0
Kdsr	1	0	0	0
Vps4b	3	0	0	0
XLOC_000841	4	0	0	0
XLOC_000842	3	0	0	0
AK043174	1	0	0	0

Tsn	4	0	0	0
Inhbb	3	0	0	0
Ralb	6	0	0	0
Ptpn4	8	0	0	0
XLOC_000851	1	0	0	0
Tmem177	3	0	0	0
Tmem37	1	0	0	0
Steap3	2	0	0	0
Insig2	4	0	0	0
XLOC_000856	3	0	0	0
Htr5b	2	0	0	0
Ddx18	12	0	0	0
Dpp10	5	0	0	0
Lypd1	4	0	0	0
Tmem163	3	0	0	0
Zranb3	6	0	0	0
Mcm6	2	0	0	0
Dars	1	0	0	0
Cxcr4	2	0	0	0
Gm15790	1	0	0	0
Mapkapk2	2	0	0	0
Dyrk3	3	0	0	0
Rassf5	5	0	0	0
Srgap2	7	0	0	0
Mfsd4	1	0	0	0
Cdk18	1	0	0	0
Tmcc2	3	0	0	0
Cntn2	6	0	0	0
Nfasc	6	0	0	0
Mdm4	8	0	0	0
Sox13	8	0	0	0
Snrpe	4	0	0	0
Atp2b4	6	0	0	0
Btg2	1	0	0	0
Adora1	7	0	0	0
Ppfia4	5	0	0	0
Ppp1r12b	3	0	0	0
Gpr37l1	1	0	0	0
Rnpep	3	0	0	0
Timm17a	1	0	0	0
Shisa4	9	0	0	0
Ipo9	3	0	0	0
Nav1	10	0	0	0
Camsap11	6	0	0	0
Nek7	3	0	0	0
2310009B15Rik	3	0	0	0
Cfh	2	0	0	0

Cdc73	1	0	0	0
Trove2	3	0	0	0
Rgs2	1	0	0	0
BC003331	1	0	0	0
1200016B10Rik	2	0	0	0
Rnf2	3	0	0	0
Tsen15	4	0	0	0
Rgl1	6	0	0	0
Smg7	4	0	0	0
Lamc2	6	0	0	0
Lamc1	3	0	0	0
Dhx9	5	0	0	0
Npl	3	0	0	0
Ier5	1	0	0	0
Mr1	4	0	0	0
BC034090	9	0	0	0
Xpr1	4	0	0	0
Cep350	7	0	0	0
Lap1B	2	0	0	0
Fam163a	5	0	0	0
Tdrd5	3	0	0	0
Fam20b	6	0	0	0
Ralgps2	7	0	0	0
XLOC_000970	1	0	0	0
Fam5b	5	0	0	0
Pappa2	5	0	0	0
Cacybp	3	0	0	0
Dars2	4	0	0	0
Klhl20	2	0	0	0
Prdx6	3	0	0	0
A1848100	8	0	0	0
Dnm3	4	0	0	0
Mettl13	2	0	0	0
Prrc2c	8	0	0	0
Fmo4	7	0	0	0
Fmo1	7	0	0	0
Gorab	3	0	0	0
Blzf1	4	0	0	0
Atp1b1	7	0	0	0
Xcl1	1	0	0	0
Sft2d2	3	0	0	0
Tiprl	6	0	0	0
Dcaf6	3	0	0	0
Mpzl1	4	0	0	0
Dusp27	4	0	0	0
Pogk	3	0	0	0
XLOC_001011	1	0	0	0

Uck2	5	0	0	0
Mgst3	2	0	0	0
Pbx1	7	0	0	0
Rgs4	9	0	0	0
Hsd17b7	3	0	0	0
Ddr2	5	0	0	0
Uap1	4	0	0	0
Uhmk1	5	0	0	0
Gm7694	1	0	0	0
Atf6	4	0	0	0
Dusp12	2	0	0	0
Sdhc	3	0	0	0
Pcp4l1	4	0	0	0
Tomm40l	3	0	0	0
Ndufs2	5	0	0	0
Ppox	6	0	0	0
Usp21	4	0	0	0
Nit1	1	0	0	0
Klhdc9	1	0	0	0
Ly9	7	0	0	0
Vangl2	3	0	0	0
Ncstn	2	0	0	0
Pea15a	4	0	0	0
Atp1a2	3	0	0	0
Kcnj9	3	0	0	0
Dusp23	1	0	0	0
Cadm3	5	0	0	0
Grem2	2	0	0	0
Rgs7	9	0	0	0
Fh1	1	0	0	0
Opn3	3	0	0	0
Pld5	9	0	0	0
Cep170	8	0	0	0
Akt3	7	0	0	0
Hnrnpu	5	0	0	0
Smyd3	11	0	0	0
Tfb2m	6	0	0	0
Psen2	2	0	0	0
H3f3a	4	0	0	0
Ephx1	4	0	0	0
Nvl	4	0	0	0
Wdr26	2	0	0	0
Ccdc121	1	0	0	0
Lbr	2	0	0	0
Degs1	4	0	0	0
Fbxo28	2	0	0	0
Capn2	11	0	0	0

Hlx	2	0	0	0
Mosc2	1	0	0	0
C130074G19Rik	1	0	0	0
Mark1	4	0	0	0
Iars2	2	0	0	0
Lyplal1	2	0	0	0
Rrp15	2	0	0	0
Spata17	1	0	0	0
Kcnk2	6	0	0	0
Smyd2	3	0	0	0
Rps6kc1	9	0	0	0
Vash2	4	0	0	0
Mfsd7b	6	0	0	0
Tatdn3	8	0	0	0
Atf3	7	0	0	0
Nenf	4	0	0	0
Rcor3	8	0	0	0
Sertad4	4	0	0	0
Syt14	5	0	0	0
AA408296	7	0	0	0
Hsd11b1	2	0	0	0
G0s2	2	0	0	0
Camk1g	1	0	0	0
Cr1l	3	0	0	0
Tcea1	7	0	0	0
Ptpn18	3	0	0	0
Bivm	7	0	0	0
XLOC_000094	1	0	0	0
9430016H08Rik	1	0	0	0
Gm15464	1	0	0	0
XLOC_000135	1	0	0	0
AK084284	5	0	0	0
Rpl37a	2	0	0	0
mKIAA0173	1	0	0	0
XLOC_000177	4	0	0	0
AK006434	3	0	0	0
Gigyf2	4	0	0	0
AK007349	1	0	0	0
AK144617	2	0	0	0
XLOC_000287	1	0	0	0
XLOC_000306	2	0	0	0
AA986860	2	0	0	0
Fam72a	1	0	0	0
Rab7b	1	0	0	0
Mybph	1	0	0	0
Tnni1	4	0	0	0
Ncf2	7	0	0	0



Cenpl	3	0	0	0
AK042927	7	0	0	0
XLOC_000434	1	0	0	0
AK014032	1	0	0	0
Nr1i3	3	0	0	0
EG545391	4	0	0	0
Fam36a	1	0	0	0
XLOC_000504	4	0	0	0
Bpnt1	1	0	0	0
XLOC_000522	1	0	0	0
XLOC_000544	1	0	0	0
mKIAA1889	1	0	0	0
4732440D04Rik	1	0	0	0
Rpl7	4	0	0	0
Ube2w	3	0	0	0
6720483E21Rik	2	0	0	0
XLOC_000599	1	0	0	0
Ccdc115	3	0	0	0
Ankrd39	3	0	0	0
Rnf149	3	0	0	0
Gm3940	1	0	0	0
Gm11575	1	0	0	0
Ino80d	5	0	0	0
XLOC_000750	1	0	0	0
Nhej1	2	0	0	0
Tuba4a	2	0	0	0
Chpf	1	0	0	0
AK017177	2	0	0	0
Pask	6	0	0	0
Ppip5k2	8	0	0	0
XLOC_000829	1	0	0	0
Gm8080	1	0	0	0
Dsel	3	0	0	0
Actr3	5	0	0	0
Pfkfb2	7	0	0	0
Tmem183a	5	0	0	0
XLOC_000933	1	0	0	0
1700025G04Rik	1	0	0	0
ENSMUSG00000073540	5	0	0	0
Tor1aip1	1	0	0	0
Tor3a	1	0	0	0
Fmo2	4	0	0	0
Nuf2	3	0	0	0
Fcrlb	2	0	0	0
Fcer1g	1	0	0	0
Ufc1	3	0	0	0
AK145253	4	0	0	0

Mndal	2	0	0	0
Hmga2-ps1	1	0	0	0
Adck3	1	0	0	0
XLOC_001077	3	0	0	0
A730013G03Rik	1	0	0	0
Traf3ip3	3	0	0	0
XLOC_001132	7	0	0	0
XLOC_000031	1	0	0	0
Zap70	3	0	0	0
XLOC_000058	2	0	0	0
XLOC_000078	1	0	0	0
XLOC_000093	3	0	0	0
XLOC_000145	2	0	0	0
Ccnyl1	1	0	0	0
Pnkd	1	0	0	0
Stk16	4	0	0	0
XLOC_000228	1	0	0	0
Spp2	1	0	0	0
Twist2	1	0	0	0
Thsd7b	1	0	0	0
XLOC_000360	1	0	0	0
Aspm	2	0	0	0
Ifrg15	1	0	0	0
XLOC_000396	1	0	0	0
XLOC_000402	2	0	0	0
Dpt	1	0	0	0
Fcgr4	1	0	0	0
Pfdn2	2	0	0	0
XLOC_000496	5	0	0	0
1700047M11Rik	1	0	0	0
AK020767	2	0	0	0
AK145301	2	0	0	0
XLOC_000584	1	0	0	0
Tram2	6	0	0	0
Kcnq5	5	0	0	0
XLOC_000646	1	0	0	0
1110034B05Rik	2	0	0	0
XLOC_000721	1	0	0	0
1110028C15Rik	3	0	0	0
Zfp142	4	0	0	0
XLOC_000751	1	0	0	0
Col4a4	3	0	0	0
Slc16a14	3	0	0	0
Lax1	1	0	0	0
9230116N13Rik	2	0	0	0
Ptprc	2	0	0	0
Gm15443	1	0	0	0

Pla2g4a	1	0	0	0
AK029630	1	0	0	0
XLOC_000964	1	0	0	0
Prrx1	4	0	0	0
Slamf8	2	0	0	0
Gm16340	3	0	0	0
XLOC_001063	1	0	0	0
Ppp2r5a	3	0	0	0
XLOC_001127	2	0	0	0
CD46	4	0	0	0
XLOC_000049	1	0	0	0
Sdpr	2	0	0	0
XLOC_000097	1	0	0	0
Accn4	2	0	0	0
Heatr7b1	1	0	0	0
AK039635	1	0	0	0
Serpinb12	2	0	0	0
Tmem185b	1	0	0	0
Eif2d	2	0	0	0
XLOC_000376	2	0	0	0
Lefty1	1	0	0	0
XLOC_000505	1	0	0	0
XLOC_000509	2	0	0	0
XLOC_000517	2	0	0	0
AK021325	3	0	0	0
AK142999	1	0	0	0
Pkhd1	1	0	0	0
Smap1	4	0	0	0
XLOC_000617	1	0	0	0
XLOC_000619	1	0	0	0
Kiaa1310	1	0	0	0
1700019D03Rik	3	0	0	0
Als2cr12	2	0	0	0
Fn1	3	0	0	0
AK043935	1	0	0	0
Nr5a2	1	0	0	0
XLOC_000935	1	0	0	0
XLOC_000940	1	0	0	0
AK044033	1	0	0	0
XLOC_000971	2	0	0	0
XLOC_001013	2	0	0	0
Slamf7	1	0	0	0
Gm4955	1	0	0	0
Pydc4	1	0	0	0
Ifi203	1	0	0	0
AK046316	2	0	0	0
6330403A02Rik	2	0	0	0

1700034H15Rik	1	0	0	0
C030002c11rik	2	0	0	0
XLOC_000023	1	0	0	0
XLOC_000118	1	0	0	0
XLOC_000126	1	0	0	0
Wnt10a	1	0	0	0
Fbxo36	2	0	0	0
Sp140	1	0	0	0
XLOC_000248	1	0	0	0
Faim3	2	0	0	0
XLOC_000430	1	0	0	0
XLOC_000454	1	0	0	0
XLOC_000483	1	0	0	0
XLOC_000489	1	0	0	0
nek2	1	0	0	0
XLOC_000560	1	0	0	0
Gm5828	1	0	0	0
XLOC_000594	1	0	0	0
Satb2	1	0	0	0
Ikzf2	1	0	0	0
Abca12	1	0	0	0
AK079660	1	0	0	0
A730008H23Rik	1	0	0	0
Otos	2	0	0	0
Rgs18	2	0	0	0
XLOC_000934	3	0	0	0
XLOC_000938	1	0	0	0
XLOC_001006	1	0	0	0
BC056189	2	0	0	0
XLOC_001081	1	0	0	0
XLOC_000024	1	0	0	0
Arhgef4	1	0	0	0
XLOC_000104	1	0	0	0
Sag	1	0	0	0
XLOC_000390	1	0	0	0
Angptl1	1	0	0	0
XLOC_000554	1	0	0	0
XLOC_000562	1	0	0	0
XLOC_000653	1	0	0	0
Csprs	1	0	0	0
Dnajb3	1	0	0	0
XLOC_000798	1	0	0	0
XLOC_000813	1	0	0	0
Lct	1	0	0	0
Gm15675	1	0	0	0
Cfhrb_4/2	1	0	0	0
BC055324	1	0	0	0

Nos1ap	1	0	0	0
XLOC_001066	1	0	0	0
XLOC_001087	1	0	0	0
Cnksr3	2	0	0	0
Mtrf1l	4	0	0	0
Fbxo5	4	0	0	0
Rmnd1	13	0	0	0
Lrp11	3	0	0	0
Katna1	1	0	0	0
Ppil4	2	0	0	0
XLOC_002193	5	0	0	0
XLOC_002194	2	0	0	0
Fbxo30	3	0	0	0
Epm2a	3	0	0	0
Plagl1	7	0	0	0
Adat2	1	0	0	0
Nmbr	1	0	0	0
Txlnb	1	0	0	0
Reps1	6	0	0	0
Perp	2	0	0	0
AK044491	4	0	0	0
Ifngr1	3	0	0	0
Map3k5	4	0	0	0
Mtap7	12	0	0	0
Gm6251	1	0	0	0
Bclaf1	4	0	0	0
Ahi1	4	0	0	0
Hbs1l	4	0	0	0
Raet1a	3	0	0	0
1110021L09Rik	5	0	0	0
Stx7	2	0	0	0
Ctgf	2	0	0	0
Med23	7	0	0	0
6330407J23Rik	3	0	0	0
9330159F19Rik	4	0	0	0
Echdc1	2	0	0	0
Hddc2	2	0	0	0
Rsph4a	1	0	0	0
Col10a1	1	0	0	0
Hs3st5	5	0	0	0
Hdac2	5	0	0	0
AK040320	1	0	0	0
Lama4	5	0	0	0
Tube1	2	0	0	0
Fyn	6	0	0	0
Traf3ip2	1	0	0	0
Rev3l	6	0	0	0

AK166420	1	0	0	0
Cdk19	4	0	0	0
9030224M15Rik	3	0	0	0
Wasf1	4	0	0	0
Zbtb24	4	0	0	0
Sesn1	3	0	0	0
Snx3	2	0	0	0
Ostm1	3	0	0	0
Sec63	4	0	0	0
Pdss2	1	0	0	0
Bend3	2	0	0	0
XLOC_002275	4	0	0	0
Rtn4ip1	4	0	0	0
Atg5	4	0	0	0
Prep	3	0	0	0
Popdc3	3	0	0	0
Bves	2	0	0	0
Hace1	3	0	0	0
Ascc3	2	0	0	0
Lilrb4	8	0	0	0
Vgl2	2	0	0	0
Nus1	3	0	0	0
Slc35f1	3	0	0	0
Pln	2	0	0	0
Asf1a	1	0	0	0
Msl3l2	2	0	0	0
Gja1	3	0	0	0
Fabp7	3	0	0	0
Lims1	3	0	0	0
Ranbp2	6	0	0	0
Ccdc138	11	0	0	0
P4ha1	6	0	0	0
Cbara1	5	0	0	0
Dnajb12	4	0	0	0
Ascc1	2	0	0	0
Spock2	5	0	0	0
Pcbd1	1	0	0	0
Lrrc20	8	0	0	0
Ppa1	3	0	0	0
Sar1a	2	0	0	0
Tysnd1	2	0	0	0
Aifm2	2	0	0	0
Ass1	7	0	0	0
Slc25a16	2	0	0	0
Dna2	5	0	0	0
Herc4	5	0	0	0
Dnajc12	2	0	0	0

Rtkn2	5	0	0	0
Ccdc6	3	0	0	0
AK009351	1	0	0	0
Slc16a9	4	0	0	0
Fam13c	4	0	0	0
Ipmk	3	0	0	0
Gm5778	1	0	0	0
Gnaz	6	0	0	0
Rab36	8	0	0	0
Bcr	4	0	0	0
Specc1l	5	0	0	0
Upb1	3	0	0	0
Snrpd3	2	0	0	0
Ggt5	4	0	0	0
Chchd10	1	0	0	0
Zfp280b	3	0	0	0
S100b	4	0	0	0
Mcm3ap	2	0	0	0
Lss	7	0	0	0
Pttg1ip	1	0	0	0
Sumo3	2	0	0	0
Ube2g2	3	0	0	0
C330046G03Rik	6	0	0	0
1810043G02Rik	3	0	0	0
Cstb	1	0	0	0
Ilvbl	3	0	0	0
AK164315	2	0	0	0
Slc1a6	5	0	0	0
Gm16517	4	0	0	0
Bsg	2	0	0	0
Hcn2	3	0	0	0
FLRG	1	0	0	0
Palm	2	0	0	0
9130017N09Rik	6	0	0	0
XLOC_002395	2	0	0	0
Ptbp1	11	0	0	0
Wdr18	2	0	0	0
Cnn2	2	0	0	0
Hmha1	11	0	0	0
Stk11	2	0	0	0
Atp5d	4	0	0	0
Cirbp	5	0	0	0
Efna2	3	0	0	0
Mum1	6	0	0	0
Ndufs7	4	0	0	0
Dazap1	3	0	0	0
Rps15	5	0	0	0

Apc2	4	0	0	0
Reep6	4	0	0	0
Scamp4	1	0	0	0
Csnk1g2	4	0	0	0
Sppl2b	6	0	0	0
3110056O03Rik	1	0	0	0
Gadd45b	1	0	0	0
Thop1	1	0	0	0
Map2k2	2	0	0	0
XLOC_002427	1	0	0	0
Zbtb7a	4	0	0	0
Eef2	4	0	0	0
Dapk3	1	0	0	0
Zfr2	5	0	0	0
Apba3	3	0	0	0
Pip5k1c	2	0	0	0
2510012J08Rik	1	0	0	0
Tbxa2r	3	0	0	0
F630110N24Rik	1	0	0	0
Dohh	5	0	0	0
2210404O07Rik	4	0	0	0
Aes	6	0	0	0
Ankrd24	15	0	0	0
XLOC_002448	2	0	0	0
BC062115	6	0	0	0
XLOC_002449	4	0	0	0
AU041133	3	0	0	0
Mif1	7	0	0	0
Txnrd1	7	0	0	0
Chst11	3	0	0	0
A230046K03Rik	5	0	0	0
1500009L16Rik	4	0	0	0
Tcp11l2	2	0	0	0
Polr3b	2	0	0	0
Ric8b	5	0	0	0
A1597468	1	0	0	0
Gm8394	1	0	0	0
Btbd11	5	0	0	0
Pwp1	1	0	0	0
Fbxo7	2	0	0	0
Timp3	3	0	0	0
1810014B01Rik	2	0	0	0
Nt5dc3	4	0	0	0
Igf1	3	0	0	0
Nup37	2	0	0	0
Ccdc53	4	0	0	0
XLOC_002486	3	0	0	0



Gnptab	2	0	0	0
Arl1	4	0	0	0
Anks1b	8	0	0	0
Ikbip	4	0	0	0
Cdk17	3	0	0	0
Lta4h	4	0	0	0
Hal	2	0	0	0
Ntn4	2	0	0	0
Gm3571	1	0	0	0
Fgd6	2	0	0	0
Nr2c1	2	0	0	0
Ndufa12	3	0	0	0
Tmcc3	7	0	0	0
Ccdc41	2	0	0	0
Ube2n	4	0	0	0
Eea1	5	0	0	0
Btg1	1	0	0	0
Dcn	3	0	0	0
Lum	1	0	0	0
XLOC_002519	10	0	0	0
Atp2b1	4	0	0	0
XLOC_002521	1	0	0	0
Poc1b	2	0	0	0
Wdr51b	2	0	0	0
Dusp6	2	0	0	0
Kitl	2	0	0	0
Cep290	4	0	0	0
Rassf9	2	0	0	0
Slc6a15	5	0	0	0
Ccdc59	1	0	0	0
Lin7a	6	0	0	0
XLOC_002533	3	0	0	0
Ppp1r12a	3	0	0	0
Pawr	1	0	0	0
E2f7	1	0	0	0
Csrp2	5	0	0	0
Gm5428	1	0	0	0
Osbp18	4	0	0	0
Bbs10	1	0	0	0
Nap1l1	10	0	0	0
Phlda1	1	0	0	0
Krr1	1	0	0	0
Zfc3h1	7	0	0	0
Tspan8	3	0	0	0
Ptpr	5	0	0	0
AK016591	1	0	0	0
AK016788	8	0	0	0

XLOC_002557	1	0	0	0
Cpm	3	0	0	0
XLOC_002559	5	0	0	0
Mdm1	11	0	0	0
Grip1	6	0	0	0
Tmbim4	1	0	0	0
Llph	6	0	0	0
9230105E05Rik	1	0	0	0
Gns	1	0	0	0
BC048403	2	0	0	0
Avpr1a	1	0	0	0
Ppm1h	6	0	0	0
Fam19a2	5	0	0	0
Lrig3	4	0	0	0
XLOC_002576	3	0	0	0
Ctdsp2	5	0	0	0
Avil	13	0	0	0
Mettl1	1	0	0	0
Cdk4	2	0	0	0
Agap2	3	0	0	0
B4galnt1	7	0	0	0
Dctn2	4	0	0	0
R3hdm2	10	0	0	0
Stac3	11	0	0	0
Ndufa4l2	1	0	0	0
AK005897	1	0	0	0
Myo1a	9	0	0	0
Zbtb39	1	0	0	0
Prim1	5	0	0	0
Atp5b	1	0	0	0
Gls2	4	0	0	0
Stat2	5	0	0	0
Cs	3	0	0	0
Ankrd52	4	0	0	0
Rnf41	5	0	0	0
Smarcc2	6	0	0	0
Wibg	2	0	0	0
Pym	6	0	0	0
Dnajc14	4	0	0	0
Cd63	9	0	0	0
Itga7	7	0	0	0
Oprm1	1	0	0	0
XLOC_002621	1	0	0	0
Myct1	1	0	0	0
Esr1	6	0	0	0
1700052N19Rik	2	0	0	0
Akap12	8	0	0	0

Mthfd1l	3	0	0	0
Plekhg1	5	0	0	0
lyd	2	0	0	0
Ppp1r14c	4	0	0	0
Pcmt1	8	0	0	0
BC013529	3	0	0	0
Tab2	3	0	0	0
XLOC_002636	1	0	0	0
Ust	8	0	0	0
Sash1	6	0	0	0
Samd5	1	0	0	0
Stxbp5	4	0	0	0
9130014G24Rik	10	0	0	0
Rab32	3	0	0	0
Utrn	12	0	0	0
AK045519	1	0	0	0
Stx11	5	0	0	0
Ltv1	3	0	0	0
Phactr2	6	0	0	0
Pex3	1	0	0	0
Aig1	2	0	0	0
Gpr126	4	0	0	0
Vta1	2	0	0	0
Heca	2	0	0	0
3110003A17Rik	4	0	0	0
Ccdc28a	3	0	0	0
Hebp2	2	0	0	0
D10Bwg1379e	1	0	0	0
Slc35d3	2	0	0	0
Pex7	1	0	0	0
Pde7b	3	0	0	0
XLOC_002674	2	0	0	0
Rps12	10	0	0	0
Enpp1	2	0	0	0
Enpp3	3	0	0	0
Arg1	2	0	0	0
XLOC_002680	1	0	0	0
Akap7	9	0	0	0
Tmem200a	3	0	0	0
L3mbtl3	9	0	0	0
Lama2	11	0	0	0
Rnf146	4	0	0	0
Cenpw	2	0	0	0
Trmt11	4	0	0	0
Hint3	1	0	0	0
Ncoa7	4	0	0	0
Hey2	1	0	0	0

Tpd52l1	3	0	0	0
Rnf217	1	0	0	0
Clvs2	3	0	0	0
Zufsp	3	0	0	0
Rwdd1	5	0	0	0
Fam26d	1	0	0	0
Dse	2	0	0	0
AK038624	2	0	0	0
Nt5dc1	3	0	0	0
Marcks	1	0	0	0
1700025K23Rik	4	0	0	0
Wisp3	3	0	0	0
XLOC_002715	2	0	0	0
Gm16365	8	0	0	0
E130307A14Rik	1	0	0	0
AK164126	4	0	0	0
Ai317395	4	0	0	0
Slc16a10	4	0	0	0
Rpf2	9	0	0	0
Amd2	1	0	0	0
Cdc40	2	0	0	0
Fig4	2	0	0	0
Armc2	9	0	0	0
Foxo3	3	0	0	0
Lace1	6	0	0	0
Qrs1	1	0	0	0
Grik2	7	0	0	0
Gopc	1	0	0	0
Gm9766	2	0	0	0
Mcm9	4	0	0	0
Fam184a	7	0	0	0
D630037F22Rik	2	0	0	0
Serinc1	6	0	0	0
	41892	4	0	0
Ccdc109a	4	0	0	0
Ddit4	2	0	0	0
Anapc16	3	0	0	0
Chst3	5	0	0	0
Slc29a3	3	0	0	0
Sgpl1	4	0	0	0
Adamts14	3	0	0	0
X99384	6	0	0	0
Eif4ebp2	1	0	0	0
H2afy2	2	0	0	0
Col13a1	9	0	0	0
2010107G23Rik	4	0	0	0
Tspan15	1	0	0	0

Hk1	9	0	0	0
Supv3l1	6	0	0	0
Vps26a	4	0	0	0
Srgn	2	0	0	0
2510003E04Rik	2	0	0	0
Ddx21	3	0	0	0
Ddx50	7	0	0	0
Stox1	2	0	0	0
Ccar1	7	0	0	0
Lrrtm3	2	0	0	0
Reep3	1	0	0	0
Nrbf2	3	0	0	0
Ado	1	0	0	0
Zfp365	3	0	0	0
Arid5b	4	0	0	0
AK044689	2	0	0	0
Cdk1	1	0	0	0
Phyhipl	5	0	0	0
Bicc1	4	0	0	0
Tfam	1	0	0	0
Ube2d1	3	0	0	0
Cisd1	4	0	0	0
1110038D17Rik	2	0	0	0
A1646023	3	0	0	0
Cabin1	9	0	0	0
Ddt	1	0	0	0
Gstt3	1	0	0	0
Gstt1	1	0	0	0
Gstt2	4	0	0	0
Mif	2	0	0	0
Smарcb1	4	0	0	0
Mmp11	4	0	0	0
Prmt2	2	0	0	0
Pcnt	7	0	0	0
Col6a2	2	0	0	0
Col6a1	2	0	0	0
Pcbp3	17	0	0	0
Col18a1	4	0	0	0
Gm10941	2	0	0	0
Adarb1	7	0	0	0
1810008A18Rik	3	0	0	0
Lrrc3	4	0	0	0
Pfkl	3	0	0	0
D10Jhu81e	4	0	0	0
Pwp2	4	0	0	0
Trappc10	2	0	0	0
Rrp1	8	0	0	0

Pdxk	1	0	0	0
Syde1	3	0	0	0
Ccdc105	2	0	0	0
2610008E11Rik	2	0	0	0
Ppap2c	4	0	0	0
Mier2	7	0	0	0
Rnf126	2	0	0	0
BC005764	2	0	0	0
Med16	5	0	0	0
C030046I01Rik	2	0	0	0
ORF61	2	0	0	0
Polr2e	1	0	0	0
Sbno2	4	0	0	0
Dos	6	0	0	0
Gamt	1	0	0	0
2310011J03Rik	1	0	0	0
Pcsk4	6	0	0	0
Mex3d	1	0	0	0
Mbd3	2	0	0	0
Tcf3	7	0	0	0
Atp8b3	9	0	0	0
Rexo1	4	0	0	0
Fam108a	5	0	0	0
Btbd2	4	0	0	0
Mknk2	4	0	0	0
Ap3d1	6	0	0	0
Plekhj1	2	0	0	0
Jsrp1	4	0	0	0
Lingo3	2	0	0	0
Lsm7	2	0	0	0
Timm13	3	0	0	0
Diras1	1	0	0	0
Sgta	4	0	0	0
Pias4	1	0	0	0
Atcay	6	0	0	0
Hmg20b	8	0	0	0
Fzr1	4	0	0	0
Nfic	6	0	0	0
Celf5	8	0	0	0
Ncln	5	0	0	0
Gna11	2	0	0	0
Sirt6	3	0	0	0
AK136722	2	0	0	0
XLOC_002912	5	0	0	0
1190007I07Rik	2	0	0	0
Glt8d2	2	0	0	0
Nfyb	4	0	0	0

Slc41a2	8	0	0	0
Aldh1l2	4	0	0	0
Appl2	6	0	0	0
Nuak1	7	0	0	0
Ckap4	2	0	0	0
Mterfd3	3	0	0	0
Cry1	3	0	0	0
Prdm4	3	0	0	0
D10Wsu52e	2	0	0	0
Syn3	2	0	0	0
Hsp90b1	4	0	0	0
Chpt1	5	0	0	0
Utp20	6	0	0	0
Ano4	9	0	0	0
Gas2l3	7	0	0	0
Slc17a8	5	0	0	0
Scyl2	8	0	0	0
Actr6	3	0	0	0
Apaf1	8	0	0	0
Slc25a3	4	0	0	0
Tmpo	8	0	0	0
Rmst	3	0	0	0
Nedd1	3	0	0	0
BC065048	4	0	0	0
XLOC_002952	1	0	0	0
Snrpf	2	0	0	0
Metap2	3	0	0	0
Vezt	7	0	0	0
4932415G12Rik	6	0	0	0
Plxnc1	5	0	0	0
Cradd	3	0	0	0
Socs2	6	0	0	0
Mrpl42	5	0	0	0
Nudt4	3	0	0	0
Tmtc3	8	0	0	0
4930430F08Rik	1	0	0	0
BC067068	3	0	0	0
Acss3	4	0	0	0
XLOC_002980	6	0	0	0
Syt1	10	0	0	0
Zdhhc17	10	0	0	0
XLOC_002988	1	0	0	0
Atxn7l3b	1	0	0	0
Trhde	2	0	0	0
Tph2	4	0	0	0
Tbc1d15	1	0	0	0
Rab21	2	0	0	0

Tmem19	5	0	0	0
Lgr5	4	0	0	0
Kcnmb4	2	0	0	0
Cnot2	9	0	0	0
Rab3ip	4	0	0	0
Cct2	1	0	0	0
Frs2	4	0	0	0
Yeats4	1	0	0	0
Lyz2	2	0	0	0
Mdm2	5	0	0	0
Slc35e3	3	0	0	0
Nup107	2	0	0	0
Rap1b	2	0	0	0
Cand1	4	0	0	0
AK135691	1	0	0	0
Irak3	1	0	0	0
Msrb3	3	0	0	0
Tbc1d30	4	0	0	0
Rassf3	3	0	0	0
Tbk1	3	0	0	0
Xpot	7	0	0	0
Srgap1	3	0	0	0
Tmem5	2	0	0	0
Usp15	2	0	0	0
Slc16a7	10	0	0	0
Xrcc6bp1	6	0	0	0
Tsfm	1	0	0	0
	41707	0	0	0
Tspan31	3	0	0	0
Slc26a10	2	0	0	0
Arhgef25	11	0	0	0
Dtx3	11	0	0	0
Pip4k2c	1	0	0	0
Kif5a	11	0	0	0
Shmt2	2	0	0	0
Nxph4	1	0	0	0
Lrp1	9	0	0	0
Nab2	4	0	0	0
Rbms2	1	0	0	0
Spryd4	1	0	0	0
Coq10a	2	0	0	0
Obfc2b	2	0	0	0
Myl6	6	0	0	0
Esyt1	4	0	0	0
Zc3h10	4	0	0	0
Rpl41	6	0	0	0
Pa2g4	2	0	0	0



Erb3	3	0	0	0
Rps26	6	0	0	0
Ikzf4	2	0	0	0
Suox	1	0	0	0
Cdk2	7	0	0	0
Dgka	9	0	0	0
Ormdl2	1	0	0	0
Gdf11	1	0	0	0
Rdh5	5	0	0	0
Vmn2r87	2	0	0	0
Syne1	16	0	0	0
XLOC_002212	3	0	0	0
XLOC_002219	1	0	0	0
Fam54a	4	0	0	0
XLOC_002242	1	0	0	0
Bet3l	1	0	0	0
XLOC_002245	2	0	0	0
Tspyl4	1	0	0	0
Mical1	9	0	0	0
Pkib	2	0	0	0
Ggt1	3	0	0	0
Derl3	1	0	0	0
1700027D21Rik	1	0	0	0
Gzmm	2	0	0	0
Fgf22	2	0	0	0
Kiss1r	3	0	0	0
Abca7	8	0	0	0
Sf3a2	2	0	0	0
Amh	2	0	0	0
Matk	3	0	0	0
BC025920	2	0	0	0
BC064812	1	0	0	0
XLOC_002451	3	0	0	0
BC030307	6	0	0	0
AK048993	1	0	0	0
XLOC_002513	1	0	0	0
Epyc	3	0	0	0
Kitlg	4	0	0	0
XLOC_002527	1	0	0	0
Gm15663	2	0	0	0
Kcnc2	3	0	0	0
XLOC_002569	1	0	0	0
Arhgap9	3	0	0	0
Naca	6	0	0	0
XLOC_002597	3	0	0	0
XLOC_002609	3	0	0	0
AK014660	1	0	0	0

Nkain2		5	0	0	0
Smpd2		2	0	0	0
XLOC_002728		3	0	0	0
Cep5711		7	0	0	0
AK145144		4	0	0	0
1700021F05Rik		1	0	0	0
	41892	4	0	0	0
Hnrnp3		1	0	0	0
mKIAA4170		1	0	0	0
C2cd4c		1	0	0	0
Shc2		7	0	0	0
Uqcr11		2	0	0	0
Slc39a3		4	0	0	0
Mrpl54		3	0	0	0
Gipc3		3	0	0	0
Tle6		4	0	0	0
Stab2		1	0	0	0
XLOC_002971		1	0	0	0
Thap2		1	0	0	0
Bloc1s1		1	0	0	0
XLOC_003074		2	0	0	0
Zbtb2		3	0	0	0
Lats1		2	0	0	0
XLOC_002195		1	0	0	0
Olig3		1	0	0	0
H60b		3	0	0	0
Smpd13a		4	0	0	0
Rufy2		2	0	0	0
Ctnna3		3	0	0	0
Gm9923		1	0	0	0
Cdc34		2	0	0	0
XLOC_002393		2	0	0	0
Cfd		2	0	0	0
Midn		4	0	0	0
Plk5		1	0	0	0
Tmprss9		4	0	0	0
XLOC_002428		3	0	0	0
Tdg		6	0	0	0
1500009L16Rik		4	0	0	0
XLOC_002463		1	0	0	0
XLOC_002466		3	0	0	0
XLOC_002495		2	0	0	0
XLOC_002536		1	0	0	0
AK020834		3	0	0	0
Ptprb		2	0	0	0
Best3		1	0	0	0
XLOC_002582		2	0	0	0

Timeless	4	0	0	0
1110005A23Rik	4	0	0	0
1700052N19Rik	2	0	0	0
XLOC_002655	2	0	0	0
Rspo3	1	0	0	0
Fam26f	1	0	0	0
XLOC_002742	1	0	0	0
XLOC_002759	1	0	0	0
XLOC_002765	1	0	0	0
2610008E11Rik	2	0	0	0
Uqcr	1	0	0	0
S1pr4	1	0	0	0
Zfp781	1	0	0	0
Zfp938	1	0	0	0
XLOC_002918	2	0	0	0
XLOC_002921	1	0	0	0
Fhl4	1	0	0	0
XLOC_002949	2	0	0	0
4930485B16Rik	3	0	0	0
4932415G12Rik	6	0	0	0
XLOC_002976	1	0	0	0
Ptprq	5	0	0	0
Glipr1	3	0	0	0
Gpr182	1	0	0	0
Myl6b	1	0	0	0
XLOC_002269	1	0	0	0
XLOC_002299	1	0	0	0
Ankrd57	1	0	0	0
Pla2g12b	1	0	0	0
Pcdh15	1	0	0	0
XLOC_002425	1	0	0	0
2210404O07Rik	4	0	0	0
XLOC_002532	1	0	0	0
XLOC_002535	1	0	0	0
Gm9182	1	0	0	0
Pmel	2	0	0	0
XLOC_002652	2	0	0	0
3110003A17Rik	4	0	0	0
Sobp	3	0	0	0
XLOC_002744	1	0	0	0
B230314j19	1	0	0	0
2510003E04Rik	2	0	0	0
Mypn	1	0	0	0
Dip2a	2	0	0	0
Lmnb2	2	0	0	0
B230315N10Rik	1	0	0	0
4930547N16Rik	1	0	0	0

XLOC_002999	1	0	0	0
Gm239	2	0	0	0
XLOC_002183	7	0	0	0
AK006045	1	0	0	0
Dnmt3l	1	0	0	0
Pmch	2	0	0	0
Sycp3	1	0	0	0
XLOC_002588	1	0	0	0
XLOC_002593	1	0	0	0
1110005A23Rik	4	0	0	0
AK053193	1	0	0	0
2310057J18Rik	1	0	0	0
Gm16364	1	0	0	0
Prdm1	2	0	0	0
2010107G23Rik	4	0	0	0
Tet1	2	0	0	0
XLOC_002796	2	0	0	0
1110038D17Rik	2	0	0	0
Klf16	1	0	0	0
XLOC_002961	1	0	0	0
XLOC_003014	2	0	0	0
Gm9079	1	0	0	0
Nup43	1	0	0	0
XLOC_002204	1	0	0	0
Raet1e	1	0	0	0
1110021L09Rik	5	0	0	0
XLOC_002238	1	0	0	0
XLOC_002308	1	0	0	0
av	1	0	0	0
XLOC_002446	1	0	0	0
AK144329	1	0	0	0
Mmp19	1	0	0	0
XLOC_002619	1	0	0	0
XLOC_002682	1	0	0	0
1700025K23Rik	4	0	0	0
AK005653	1	0	0	0
Cdh23	1	0	0	0
1810008A18Rik	3	0	0	0
XLOC_002841	2	0	0	0
XLOC_002969	1	0	0	0
Mars	4	0	0	0
Pisd-ps1	8	0	0	0
Eif4enif1	5	0	0	0
Selm	3	0	0	0
Morc2a	5	0	0	0
Dusp18	3	0	0	0
Rnf215	2	0	0	0

Sf3a1	2	0	0	0
Tbc1d10a	2	0	0	0
Ascc2	6	0	0	0
Nipsnap1	1	0	0	0
Thoc5	4	0	0	0
Rasl10a	1	0	0	0
XLOC_003913	2	0	0	0
Dbnl	7	0	0	0
Aebp1	3	0	0	0
Ykt6	2	0	0	0
Ogdh	9	0	0	0
Zmiz2	9	0	0	0
Ccm2	2	0	0	0
Ramp3	1	0	0	0
Gm11992	3	0	0	0
Upp1	4	0	0	0
Vwc2	5	0	0	0
4930415F15Rik	3	0	0	0
AK040873	2	0	0	0
Gm12005	1	0	0	0
Vstm2a	2	0	0	0
Cnrip1	2	0	0	0
Ppp3r1	3	0	0	0
Wdr92	1	0	0	0
C1d	1	0	0	0
Glms-ps1	1	0	0	0
Spred2	5	0	0	0
Rab1	1	0	0	0
XLOC_003953	3	0	0	0
Sertad2	3	0	0	0
Peli1	2	0	0	0
Vps54	2	0	0	0
Tmem17	3	0	0	0
Cct4	5	0	0	0
Gm12059	3	0	0	0
Xpo1	9	0	0	0
Usp34	7	0	0	0
Bcl11a	5	0	0	0
Fancl	5	0	0	0
Gm12079	1	0	0	0
Efemp1	3	0	0	0
Pnpt1	5	0	0	0
Smek2	3	0	0	0
Ccdc88a	2	0	0	0
Mtif2	7	0	0	0
Gm8098	4	0	0	0
Psme4	3	0	0	0

Gpr75	2	0	0	0
Cpeb4	4	0	0	0
Nsg2	2	0	0	0
Snrnp25	2	0	0	0
Mpg	1	0	0	0
Hba-a2	4	0	0	0
Sh3pxd2b	5	0	0	0
Ubt2	3	0	0	0
Fbxw11	6	0	0	0
Kcnmb1	2	0	0	0
Pank3	2	0	0	0
Nudcd2	3	0	0	0
Gm12141	1	0	0	0
XLOC_004009	2	0	0	0
Slu7	3	0	0	0
C1qtnf2	2	0	0	0
Ccnjl	2	0	0	0
Pwwp2a	6	0	0	0
Rnf145	6	0	0	0
Ebf1	2	0	0	0
Ebf4	6	0	0	0
Clint1	2	0	0	0
Med7	4	0	0	0
Gm12174	1	0	0	0
Gnb2l1	2	0	0	0
Ifi47	1	0	0	0
Zfp62	6	0	0	0
Mgat1	5	0	0	0
Flt4	3	0	0	0
Mapk9	8	0	0	0
Rasgef1c	3	0	0	0
Rnf130	2	0	0	0
Tbc1d9b	1	0	0	0
Clk4	8	0	0	0
Col23a1	4	0	0	0
Agxt2l2	4	0	0	0
Nhp2	2	0	0	0
D930048N14Rik	3	0	0	0
Sar1b	1	0	0	0
Cdkn2aipnl	1	0	0	0
Cdkl3	7	0	0	0
Ppp2ca	5	0	0	0
Skp1a	5	0	0	0
Vdac1	7	0	0	0
9530068E07Rik	1	0	0	0
Fstl4	2	0	0	0
Aff4	5	0	0	0

Shroom1	5	0	0	0
Kif3a	5	0	0	0
Ilf5	1	0	0	0
Irf1	4	0	0	0
P4ha2	4	0	0	0
Acsl6	2	0	0	0
Hint1	1	0	0	0
Gpx3	1	0	0	0
Slc36a1	5	0	0	0
G3bp1	7	0	0	0
Gria1	4	0	0	0
Mfap3	2	0	0	0
Galnt10	2	0	0	0
Sap30l	2	0	0	0
Larp1	6	0	0	0
Cnot8	4	0	0	0
Mrpl22	5	0	0	0
Igtp	7	0	0	0
Irgm2	3	0	0	0
Sh3bp5l	4	0	0	0
Gm12258	1	0	0	0
2810021J22Rik	2	0	0	0
Mprlp	9	0	0	0
XLOC_004102	3	0	0	0
Med9	2	0	0	0
4933439F18Rik	1	0	0	0
Drg2	4	0	0	0
Myo15	11	0	0	0
Alkbh5	3	0	0	0
Llgl1	6	0	0	0
Smcr7	5	0	0	0
Smcr8	3	0	0	0
Map2k3	3	0	0	0
Kcnj12	3	0	0	0
B9d1	6	0	0	0
Grap	4	0	0	0
Specc1	8	0	0	0
Adora2b	1	0	0	0
Ttc19	2	0	0	0
XLOC_004129	3	0	0	0
Ubb	3	0	0	0
Trpv2	6	0	0	0
Trim16	1	0	0	0
Fam18b	2	0	0	0
Cdrt4	3	0	0	0
Pmp22	6	0	0	0
Zkscan6	7	0	0	0

Pirt	6	0	0	0
Tmem220	6	0	0	0
Sco1	4	0	0	0
Gas7	8	0	0	0
Stx8	2	0	0	0
Pik3r5	6	0	0	0
Pik3r6	4	0	0	0
Myh10	8	0	0	0
Rpl26	5	0	0	0
Slc25a35	3	0	0	0
1500010J02Rik	10	0	0	0
Tmem107	4	0	0	0
Vamp2	4	0	0	0
Aloxe3	2	0	0	0
Alox12b	3	0	0	0
Trappc1	1	0	0	0
Kcnab3	2	0	0	0
A030009H04Rik	1	0	0	0
XLOC_004173	2	0	0	0
Lsmd1	3	0	0	0
Trp53	7	0	0	0
Fxr2	2	0	0	0
Zbtb4	5	0	0	0
Plscr3	4	0	0	0
Neurl4	5	0	0	0
Gps2	7	0	0	0
Ybx2	8	0	0	0
Ctdnep1	2	0	0	0
Dvl2	1	0	0	0
Dlg4	8	0	0	0
Gm12312	1	0	0	0
Arrb2	5	0	0	0
Med11	3	0	0	0
Psmb6	3	0	0	0
Pld2	13	0	0	0
Mink1	5	0	0	0
XLOC_004200	2	0	0	0
Rnf167	1	0	0	0
Kif1c	7	0	0	0
Zfp3	2	0	0	0
Rabep1	5	0	0	0
Rpain	2	0	0	0
Mis12	2	0	0	0
Wscd1	3	0	0	0
Fam64a	2	0	0	0
Txndc17	3	0	0	0
Xaf1	6	0	0	0



Mybbp1a	4	0	0	0
Ube2g1	4	0	0	0
Ankfy1	3	0	0	0
Zzef1	3	0	0	0
Atp2a3	3	0	0	0
Camkk1	5	0	0	0
1200014J11Rik	2	0	0	0
Itgae	4	0	0	0
Shpk	5	0	0	0
Trpv1	6	0	0	0
XLOC_004224	2	0	0	0
Mett10d	2	0	0	0
Mnt	4	0	0	0
Rtn4rl1	4	0	0	0
XLOC_004233	3	0	0	0
2210403K04Rik	1	0	0	0
Tlcd2	1	0	0	0
Prpf8	4	0	0	0
Rilp	4	0	0	0
Slc43a2	3	0	0	0
Pitpna	7	0	0	0
Myo1c	4	0	0	0
Crk	3	0	0	0
Fam57a	1	0	0	0
Timm22	1	0	0	0
Tusc5	5	0	0	0
Gm12345	1	0	0	0
Ssh2	5	0	0	0
Git1	4	0	0	0
Gm12734	1	0	0	0
Myo18a	9	0	0	0
Sez6	5	0	0	0
Phf12	4	0	0	0
Flot2	11	0	0	0
BC017647	2	0	0	0
Tlcd1	3	0	0	0
Rab34	5	0	0	0
Sdf2	1	0	0	0
2610507B11Rik	6	0	0	0
Spag5	3	0	0	0
Aldoc	1	0	0	0
Pigs	2	0	0	0
Unc119	1	0	0	0
Slc46a1	1	0	0	0
Vtn	3	0	0	0
Ift20	2	0	0	0
XLOC_004280	2	0	0	0

1810012P15Rik	3	0	0	0
Nf1	3	0	0	0
Rab11fip4	5	0	0	0
Gm11204	1	0	0	0
Suz12	2	0	0	0
Atad5	5	0	0	0
Rnf135	3	0	0	0
Rhot1	9	0	0	0
Rhbdl3	2	0	0	0
Cdk5r1	4	0	0	0
Gm11419	3	0	0	0
Ccl11	2	0	0	0
Tmem132e	4	0	0	0
XLOC_004309	5	0	0	0
Sfn2	1	0	0	0
Ap2b1	5	0	0	0
Rasl10b	7	0	0	0
Heatr6	6	0	0	0
Hnf1b	2	0	0	0
Ddx52	3	0	0	0
Synrg	3	0	0	0
Acaca	17	0	0	0
Myo19	4	0	0	0
Car4	1	0	0	0
Ppm1d	3	0	0	0
Bcas3	8	0	0	0
Tbx2	1	0	0	0
4632419I22Rik	1	0	0	0
Rnft1	1	0	0	0
Tubd1	7	0	0	0
Trim37	1	0	0	0
Tex14	5	0	0	0
Mtmr4	7	0	0	0
Bzap1	7	0	0	0
Mks1	8	0	0	0
Srsf1	1	0	0	0
VeZF1	4	0	0	0
Cuedc1	3	0	0	0
Mrps23	1	0	0	0
AK021127	4	0	0	0
Trim25	4	0	0	0
A930013B10Rik	1	0	0	0
Gm525	2	0	0	0
Tmem100	4	0	0	0
Cox11	2	0	0	0
Car10	7	0	0	0
B230206L02Rik	2	0	0	0

Tob1	3	0	0	0
Ankrd40	2	0	0	0
Chad	3	0	0	0
Lrrc59	1	0	0	0
Mrpl27	4	0	0	0
Gm11542	1	0	0	0
Col1a1	2	0	0	0
Samd14	5	0	0	0
Dlx3	7	0	0	0
Slc35b1	7	0	0	0
XLOC_004395	1	0	0	0
Tll6	6	0	0	0
Hoxb9	4	0	0	0
Hoxb3	3	0	0	0
Hoxb6	1	0	0	0
Hoxb5	4	0	0	0
Hoxb4	1	0	0	0
Hoxb2	1	0	0	0
Cbx1	4	0	0	0
Copz2	2	0	0	0
Prr15l	3	0	0	0
Sp6	2	0	0	0
Scrn2	3	0	0	0
Mrpl10	4	0	0	0
Osbp17	2	0	0	0
Mrpl45	1	0	0	0
Socs7	4	0	0	0
Arhgap23	7	0	0	0
Mllt6	7	0	0	0
Cisd3	3	0	0	0
Psmb3	8	0	0	0
Lasp1	7	0	0	0
B230217C12Rik	2	0	0	0
Cdk12	4	0	0	0
Ppp1r1b	3	0	0	0
Stard3	4	0	0	0
ErbB2	3	0	0	0
Psmd3	1	0	0	0
Msl1	4	0	0	0
Casc3	4	0	0	0
Wipf2	5	0	0	0
Rara	5	0	0	0
Igfbp4	3	0	0	0
Gm11560	1	0	0	0
Gm11598	1	0	0	0
Eif1	2	0	0	0
Fkbp10	1	0	0	0

Ttc25	7	0	0	0
Cnp	3	0	0	0
Nkiras2	2	0	0	0
Atp6v0a1	4	0	0	0
Hsd17b1	3	0	0	0
Coasy	4	0	0	0
Tubg2	3	0	0	0
Cntnap1	5	0	0	0
Ramp2	1	0	0	0
Vps25	5	0	0	0
Aoc3	5	0	0	0
Rundc1	2	0	0	0
Rpl27	2	0	0	0
Ifi35	3	0	0	0
Nbr1	5	0	0	0
Tmem106a	4	0	0	0
Arl4d	1	0	0	0
Dhx8	2	0	0	0
Cd300lg	4	0	0	0
Gm11585	1	0	0	0
G6pc3	3	0	0	0
BC030867	4	0	0	0
Rundc3a	11	0	0	0
Fzd2	1	0	0	0
Gm16342	2	0	0	0
Adam11	12	0	0	0
Nmt1	5	0	0	0
Acbd4	7	0	0	0
Hexim1	1	0	0	0
Crhr1	2	0	0	0
Mapt	1	0	0	0
Itgb3	2	0	0	0
Mettl2	9	0	0	0
AK039104	1	0	0	0
Kcnh6	3	0	0	0
Dcaf7	2	0	0	0
Taco1	2	0	0	0
Map3k3	5	0	0	0
Ddx42	1	0	0	0
Psmc5	4	0	0	0
1810010H24Rik	4	0	0	0
Psmc12	3	0	0	0
Helz	9	0	0	0
XLOC_004524	1	0	0	0
Axin2	4	0	0	0
Gna13	2	0	0	0
Amz2	5	0	0	0

Arsg	6	0	0	0
Prkar1a	4	0	0	0
Map2k6	2	0	0	0
XLOC_004530	1	0	0	0
Kcnj2	1	0	0	0
Gm11675	1	0	0	0
Sstr2	2	0	0	0
Cog1	5	0	0	0
XLOC_004539	1	0	0	0
Ttyh2	4	0	0	0
Kif19a	6	0	0	0
Gprc5c	10	0	0	0
XLOC_004546	3	0	0	0
Cd300a	6	0	0	0
Rab37	2	0	0	0
Tmem104	1	0	0	0
Cdr2l	3	0	0	0
Ict1	2	0	0	0
Kctd2	3	0	0	0
Armc7	1	0	0	0
Nup85	1	0	0	0
2310067B10Rik	9	0	0	0
2310067B10Rik	9	0	0	0
Tsen54	3	0	0	0
Llgl2	2	0	0	0
2210020M01Rik	3	0	0	0
Sap30bp	2	0	0	0
Itgb4	7	0	0	0
Unk	5	0	0	0
Cdk3	4	0	0	0
Sphk1	5	0	0	0
Aanat	1	0	0	0
1810032O08Rik	6	0	0	0
1110005A03Rik	2	0	0	0
Mfsd11	4	0	0	0
Mgat5b	5	0	0	0
2810008D09Rik	1	0	0	0
41891	3	0	0	0
Gm11734	5	0	0	0
2900041M22Rik	1	0	0	0
Tmc8	11	0	0	0
Syng2	1	0	0	0
Birc5	2	0	0	0
Pgs1	8	0	0	0
C1qtnf1	4	0	0	0
Engase	7	0	0	0
Ccdc40	3	0	0	0

Slc26a11	4	0	0	0
XLOC_004601	2	0	0	0
Rnf213	9	0	0	0
A730011L01Rik	4	0	0	0
Gm11762	3	0	0	0
Rptor	4	0	0	0
Chmp6	1	0	0	0
Baiap2	3	0	0	0
1810043H04Rik	1	0	0	0
Bahcc1	7	0	0	0
Hgs	6	0	0	0
Mrpl12	3	0	0	0
Anapc11	5	0	0	0
Lrrc45	5	0	0	0
Rac3	1	0	0	0
Hexdc	4	0	0	0
Narf	1	0	0	0
Foxk2	6	0	0	0
Fn3krp	1	0	0	0
Tbcd	9	0	0	0
Drg1	4	0	0	0
Limk2	5	0	0	0
Rnf185	4	0	0	0
Smtn	4	0	0	0
Tug1	1	0	0	0
Osbp2	6	0	0	0
Slc35e4	2	0	0	0
Mtfp1	3	0	0	0
Ccdc157	6	0	0	0
Hormad2	1	0	0	0
Mtmr3	11	0	0	0
Uqcr10	4	0	0	0
Cabp7	1	0	0	0
Nf2	8	0	0	0
Nefh	9	0	0	0
Gas2l1	7	0	0	0
Ewsr1	8	0	0	0
Emid1	4	0	0	0
Ccdc117	2	0	0	0
Mrps24	1	0	0	0
Pold2	1	0	0	0
Gck	1	0	0	0
Camk2b	11	0	0	0
Nudcd3	4	0	0	0
Ddx56	2	0	0	0
Tmed4	1	0	0	0
H2afv	2	0	0	0

Myo1g	5	0	0	0
AK160548	2	0	0	0
Nacad	6	0	0	0
Tbrg4	5	0	0	0
Gm11977	1	0	0	0
Igfbp3	1	0	0	0
Tns3	8	0	0	0
Hus1	7	0	0	0
Zpbp	7	0	0	0
Figl1	3	0	0	0
Grb10	8	0	0	0
Cobl	9	0	0	0
Gm12663	1	0	0	0
Pno1	1	0	0	0
Etaa1	2	0	0	0
Meis1	4	0	0	0
XLOC_004705	2	0	0	0
Actr2	5	0	0	0
Slc1a4	3	0	0	0
Aftph	4	0	0	0
1110067D22Rik	5	0	0	0
Ugp2	3	0	0	0
Mdh1	5	0	0	0
Ehbp1	14	0	0	0
XLOC_004718	4	0	0	0
B3gnt2	3	0	0	0
mKIAA1841	2	0	0	0
0610010F05Rik	1	0	0	0
Pex13	3	0	0	0
Rel	2	0	0	0
Vrk2	1	0	0	0
Ccdc85a	5	0	0	0
Ccdc104	1	0	0	0
Prorsd1	3	0	0	0
Eml6	8	0	0	0
Spnb2	5	0	0	0
Erlec1	4	0	0	0
Chac2	2	0	0	0
Bod1	1	0	0	0
XLOC_004745	3	0	0	0
Rhbdf1	5	0	0	0
Nprl3	4	0	0	0
Efcab9	3	0	0	0
XLOC_004748	1	0	0	0
Fgf18	5	0	0	0
Tlx3	5	0	0	0
Ranbp17	1	0	0	0

AK015529	2	0	0	0
Dock2	10	0	0	0
Ccdc99	4	0	0	0
Fbll1	1	0	0	0
Rars	2	0	0	0
Mat2b	3	0	0	0
Ccng1	2	0	0	0
Gabrg2	10	0	0	0
Gabra1	4	0	0	0
Pttg1	2	0	0	0
Ttc1	2	0	0	0
Adra1b	1	0	0	0
Ublcp1	9	0	0	0
Gm12161	1	0	0	0
Lsm11	4	0	0	0
Thg1l	1	0	0	0
Cyfp2	6	0	0	0
Itk	2	0	0	0
Sgcd	10	0	0	0
Gm12183	1	0	0	0
XLOC_004791	1	0	0	0
Irgm1	3	0	0	0
Tgtp2	3	0	0	0
Cnot6	3	0	0	0
Sqstm1	8	0	0	0
Ltc4s	2	0	0	0
Canx	1	0	0	0
Rufy1	3	0	0	0
Zfp354c	4	0	0	0
Zfp354b	5	0	0	0
Rmnd5b	2	0	0	0
N4bp3	2	0	0	0
0610009B22Rik	2	0	0	0
Ube2b	9	0	0	0
Olfr1383	1	0	0	0
Tcf7	7	0	0	0
Hspa4	5	0	0	0
Uqcrq	2	0	0	0
AK038603	1	0	0	0
Rad50	4	0	0	0
Slc22a5	7	0	0	0
Pdlim4	1	0	0	0
Cdc42se2	6	0	0	0
Lym7	3	0	0	0
Anxa6	6	0	0	0
Gm12231	1	0	0	0
Slc36a2	3	0	0	0



Sparc	6	0	0	0
Atox1	4	0	0	0
XLOC_004846	1	0	0	0
Fam114a2	5	0	0	0
AK007998	5	0	0	0
Gemin5	8	0	0	0
XLOC_004853	2	0	0	0
Gm12251	1	0	0	0
Gm12254	1	0	0	0
2210407C18Rik	1	0	0	0
Fam183b	1	0	0	0
Obscn	2	0	0	0
A230051G13Rik	1	0	0	0
Arf1	4	0	0	0
Snap47	6	0	0	0
Zkscan17	4	0	0	0
Pld6	2	0	0	0
Flcn	1	0	0	0
Cops3	4	0	0	0
AK005951	2	0	0	0
Pemt	4	0	0	0
Srebf1	3	0	0	0
Tom1l2	4	0	0	0
Atpaf2	1	0	0	0
Top3a	3	0	0	0
Shmt1	1	0	0	0
Tmem11	2	0	0	0
Gm16516	2	0	0	0
Usp22	6	0	0	0
Aldh3a2	3	0	0	0
Slc47a2	5	0	0	0
Rnf112	12	0	0	0
Mapk7	5	0	0	0
Epn2	8	0	0	0
Prpsap2	11	0	0	0
Ulk2	2	0	0	0
Akap10	2	0	0	0
Ncor1	9	0	0	0
BC046404	1	0	0	0
Zfp287	4	0	0	0
Zfp286	5	0	0	0
AK043365	1	0	0	0
XLOC_004917	1	0	0	0
Hs3st3b1	1	0	0	0
Arhgap44	8	0	0	0
Map2k4	6	0	0	0
Shisa6	2	0	0	0

2310004I24Rik	5	0	0	0
Ndel1	4	0	0	0
Arhgef15	5	0	0	0
Pfas	6	0	0	0
Cntrob	3	0	0	0
Chd3	9	0	0	0
Tmem88	1	0	0	0
Kdm6b	7	0	0	0
Dnahc2	13	0	0	0
Wrap53	2	0	0	0
Atp1b2	2	0	0	0
Supl15h	1	0	0	0
Mpdu1	2	0	0	0
Eif4a1	7	0	0	0
Senp3	1	0	0	0
Polr2a	3	0	0	0
Nlgn2	5	0	0	0
Kctd11	1	0	0	0
Acap1	6	0	0	0
2810408A11Rik	6	0	0	0
Eif5a	4	0	0	0
Rai12	2	0	0	0
Acadvl	3	0	0	0
Bcl6b	2	0	0	0
Alox12	4	0	0	0
Pelp1	2	0	0	0
Vmo1	3	0	0	0
Slc25a11	3	0	0	0
Camta2	5	0	0	0
Nup88	3	0	0	0
C1qbp	3	0	0	0
Dhx33	7	0	0	0
Derl2	3	0	0	0
6330403K07Rik	2	0	0	0
Pitpm3	10	0	0	0
4933427D14Rik	1	0	0	0
Med31	2	0	0	0
Smtnl2	3	0	0	0
Spns2	4	0	0	0
Ctns	3	0	0	0
Aspa	1	0	0	0
mKIAA1039	7	0	0	0
Rap1gap2	1	0	0	0
Pafah1b1	8	0	0	0
Srr	4	0	0	0
Ovca2	1	0	0	0
Dph1	2	0	0	0

Rpa1	5	0	0	0
Serpinf1	1	0	0	0
Wdr81	3	0	0	0
Fam101b	2	0	0	0
Vps53	4	0	0	0
Gemin4	2	0	0	0
Glod4	1	0	0	0
Nxn	4	0	0	0
Abr	11	0	0	0
Gosr1	3	0	0	0
Cpd	2	0	0	0
Ccdc55	1	0	0	0
Efcab5	8	0	0	0
Ankrd13b	5	0	0	0
Taok1	8	0	0	0
Pipox	9	0	0	0
AK053376	1	0	0	0
Eral1	1	0	0	0
Traf4	2	0	0	0
Nek8	4	0	0	0
Rpl23a	2	0	0	0
Supt6h	5	0	0	0
Sarm1	4	0	0	0
Tmem199	1	0	0	0
Tnfaip1	3	0	0	0
Tmem97	2	0	0	0
Nlk	3	0	0	0
Lgals9	4	0	0	0
Wsb1	5	0	0	0
Utp6	3	0	0	0
Crif3	2	0	0	0
1110002N22Rik	2	0	0	0
5730455P16Rik	3	0	0	0
Myo1d	6	0	0	0
Accn1	9	0	0	0
Ccl1	1	0	0	0
Gm11423	3	0	0	0
Rffl	3	0	0	0
Rad51l3	1	0	0	0
Nle1	5	0	0	0
Mmp28	7	0	0	0
Ccl5	1	0	0	0
Ccl6	1	0	0	0
Dusp14	3	0	0	0
Tada2a	6	0	0	0
Aatf	2	0	0	0
Mrm1	4	0	0	0

Dhrs11	6	0	0	0
Ggnbp2	9	0	0	0
Znhit3	2	0	0	0
Usp32	7	0	0	0
Appbp2	5	0	0	0
XLOC_005083	4	0	0	0
AK135737	2	0	0	0
Med13	3	0	0	0
Rps6kb1	3	0	0	0
Cltc	4	0	0	0
Dhx40	1	0	0	0
Ypel2	2	0	0	0
Gdpd1	2	0	0	0
1200011M11Rik	3	0	0	0
Ppm1e	3	0	0	0
Rad51c	2	0	0	0
Dynll2	1	0	0	0
Msi2	5	0	0	0
Akap1	2	0	0	0
Scpep1	3	0	0	0
Dgke	2	0	0	0
Pctp	2	0	0	0
Hlf	4	0	0	0
Stxbp4	1	0	0	0
Tom1l1	1	0	0	0
Utp18	3	0	0	0
Wfikkn2	1	0	0	0
Luc7l3	8	0	0	0
Abcc3	7	0	0	0
Epn3	6	0	0	0
Rsad1	10	0	0	0
Acsf2	6	0	0	0
Eme1	2	0	0	0
Xylt2	5	0	0	0
Pdk2	4	0	0	0
Myst2	10	0	0	0
Ngfr	5	0	0	0
Abi3	3	0	0	0
Ube2z	3	0	0	0
Atp5g1	2	0	0	0
AK002860	1	0	0	0
Snx11	8	0	0	0
Nfe2l1	9	0	0	0
Pnp0	1	0	0	0
Sp2	3	0	0	0
Tbkbp1	9	0	0	0
Kpnb1	3	0	0	0

Npepps	5	0	0	0
Gpr179	4	0	0	0
Srcin1	16	0	0	0
E130012A19Rik	1	0	0	0
AK155239	4	0	0	0
Pcgf2	7	0	0	0
Cwc25	1	0	0	0
Rpl23	11	0	0	0
Cacnb1	2	0	0	0
Stac2	4	0	0	0
Fbxl20	4	0	0	0
Med1	9	0	0	0
Pgap3	3	0	0	0
1810046J19Rik	3	0	0	0
Ikzf3	3	0	0	0
Ormdl3	2	0	0	0
Med24	7	0	0	0
Nr1d1	2	0	0	0
Top2a	4	0	0	0
Smarce1	5	0	0	0
Krt222	2	0	0	0
Krt26	1	0	0	0
Krt27	3	0	0	0
Krt10	3	0	0	0
Krt9	2	0	0	0
Hap1	6	0	0	0
Jup	4	0	0	0
Leprel4	3	0	0	0
Nt5c3l	3	0	0	0
Klhl11	2	0	0	0
Acly	8	0	0	0
Dnajc7	8	0	0	0
Kat2a	4	0	0	0
Rab5c	2	0	0	0
Ghdc	3	0	0	0
Stat5b	6	0	0	0
Stat3	7	0	0	0
Ptrf	2	0	0	0
Psmc3ip	4	0	0	0
Fam134c	3	0	0	0
Ezh1	3	0	0	0
Ccdc56	2	0	0	0
Becn1	1	0	0	0
Aarsd1	3	0	0	0
1700113I22Rik	4	0	0	0
Vat1	3	0	0	0
Etv4	7	0	0	0

Dusp3	3	0	0	0
Mpp3	2	0	0	0
Mpp2	4	0	0	0
Tmem101	2	0	0	0
Lsm12	3	0	0	0
Hdac5	5	0	0	0
Atxn7l3	7	0	0	0
Ubtf	11	0	0	0
Slc25a39	2	0	0	0
Fam171a2	3	0	0	0
Gpatch8	7	0	0	0
Ccdc43	3	0	0	0
Gjc1	6	0	0	0
Eftud2	5	0	0	0
1700023F06Rik	4	0	0	0
Arhgap27	5	0	0	0
Plekhm1	2	0	0	0
Gosr2	6	0	0	0
Nsf	5	0	0	0
1700081L11Rik	10	0	0	0
Cdc27	3	0	0	0
Cyb561	5	0	0	0
Limd2	1	0	0	0
Strada	3	0	0	0
Ccdc47	1	0	0	0
Cd79b	1	0	0	0
Scn4a	5	0	0	0
Icam2	3	0	0	0
Ern1	4	0	0	0
Tex2	4	0	0	0
Pecam1	6	0	0	0
Polg2	2	0	0	0
Ddx5	8	0	0	0
Smurf2	5	0	0	0
Nol11	1	0	0	0
Pitpnc1	7	0	0	0
Cacng4	2	0	0	0
Cacng5	1	0	0	0
Prkca	5	0	0	0
Rgs9	1	0	0	0
Wipi1	2	0	0	0
Fam20a	4	0	0	0
Abca8a	2	0	0	0
Abca6	1	0	0	0
Abca5	3	0	0	0
XLOC_005302	2	0	0	0
2610035D17Rik	5	0	0	0

D11Wsu99e	2	0	0	0
Cdc42ep4	5	0	0	0
Sdk2	6	0	0	0
AF251705	5	0	0	0
MAIR-IIa	1	0	0	0
Nat9	4	0	0	0
Fdxr	7	0	0	0
Fads6	2	0	0	0
Ush1g	1	0	0	0
C630004H02Rik	5	0	0	0
Nt5c	1	0	0	0
Hn1	2	0	0	0
Gga3	10	0	0	0
Slc25a19	1	0	0	0
Caskin2	4	0	0	0
Galk1	1	0	0	0
H3f3b	3	0	0	0
Unc13d	8	0	0	0
Wbp2	8	0	0	0
Mrpl38	2	0	0	0
Fbf1	10	0	0	0
Acox1	5	0	0	0
Srp68	4	0	0	0
Exoc7	7	0	0	0
Rnf157	6	0	0	0
Prpsap1	6	0	0	0
Ube2o	4	0	0	0
Cygb	4	0	0	0
Mxra7	1	0	0	0
Srsf2	1	0	0	0
AK086245	1	0	0	0
Tmc6	4	0	0	0
Tk1	1	0	0	0
Socs3	3	0	0	0
XLOC_005363	7	0	0	0
Cyth1	6	0	0	0
Usp36	8	0	0	0
Timp2	6	0	0	0
Lgals3bp	2	0	0	0
Cant1	6	0	0	0
Rbfox3	10	0	0	0
Cbx8	1	0	0	0
Tbc1d16	7	0	0	0
Eif4a3	3	0	0	0
Sgsh	1	0	0	0
Nptx1	2	0	0	0
XLOC_005382	2	0	0	0

Aatk	10	0	0	0
Azi1	2	0	0	0
2410002I01Rik	3	0	0	0
Slc38a10	9	0	0	0
2810410L24Rik	4	0	0	0
AK013668	1	0	0	0
Nploc4	3	0	0	0
Fam195b	1	0	0	0
P4hb	4	0	0	0
Arhgdia	3	0	0	0
Thoc4	3	0	0	0
Pcyt2	8	0	0	0
Sirt7	10	0	0	0
Pycr1	1	0	0	0
Myadml2	1	0	0	0
Notum	5	0	0	0
Dcxr	3	0	0	0
Dus1l	2	0	0	0
Ccdc57	11	0	0	0
Csnk1d	4	0	0	0
BC017643	4	0	0	0
Wdr45l	4	0	0	0
Patz1	1	0	0	0
mazr	4	0	0	0
Pla2g3	1	0	0	0
Gal3st1	4	0	0	0
Zmat5	2	0	0	0
Ap1b1	3	0	0	0
XLOC_003916	1	0	0	0
XLOC_003924	1	0	0	0
XLOC_003926	5	0	0	0
Pus10	4	0	0	0
Gm12082	1	0	0	0
XLOC_003978	1	0	0	0
XLOC_003980	1	0	0	0
Stk10	2	0	0	0
Trim7	4	0	0	0
Olfir56	2	0	0	0
4933439C10Rik	2	0	0	0
Rai1	4	0	0	0
Tnfrsf13b	2	0	0	0
Pigl	2	0	0	0
2810001G20Rik	1	0	0	0
Elac2	4	0	0	0
Myh8	4	0	0	0
1810027O10Rik	2	0	0	0
Asgr2	1	0	0	0



Mgl2	3	0	0	0
Slc16a11	1	0	0	0
P2rx5	3	0	0	0
Smg6	5	0	0	0
Smyd4	4	0	0	0
Scarf1	2	0	0	0
Inpp5k	3	0	0	0
Rnmtl1	1	0	0	0
2210008F06Rik	2	0	0	0
Abhd15	2	0	0	0
Proca1	6	0	0	0
Poldip2	2	0	0	0
Zfp207	4	0	0	0
XLOC_004300	1	0	0	0
XLOC_004306	2	0	0	0
XLOC_004307	2	0	0	0
XLOC_004308	2	0	0	0
AA465934	2	0	0	0
XLOC_004337	3	0	0	0
Gngt2	7	0	0	0
Snf8	4	0	0	0
Hoxb7	2	0	0	0
D030028A08Rik	3	0	0	0
XLOC_004427	1	0	0	0
AK141527	1	0	0	0
Gsdma	1	0	0	0
Mlx	1	0	0	0
Rpl27-ps2	1	0	0	0
Higd1b	1	0	0	0
XLOC_004496	2	0	0	0
Tanc2	5	0	0	0
XLOC_004541	10	0	0	0
Dnaic2	10	0	0	0
XLOC_004545	2	0	0	0
XLOC_004553	1	0	0	0
Mrps7	2	0	0	0
1110017F19Rik	1	0	0	0
Tnrc6c	7	0	0	0
AK005967	1	0	0	0
AK163532	1	0	0	0
Aspscr1	4	0	0	0
Inpp5j	5	0	0	0
Urgcp	3	0	0	0
Ddc	3	0	0	0
Sec61g	2	0	0	0
Commd1	3	0	0	0
XLOC_004728	1	0	0	0

Rps27a	2	0	0	0
Ankrd43	1	0	0	0
Gjc2	1	0	0	0
Gm16515	2	0	0	0
XLOC_004901	1	0	0	0
XLOC_004908	1	0	0	0
Cenpv	4	0	0	0
Gm12279	2	0	0	0
2310004I24Rik	5	0	0	0
AK010044	2	0	0	0
Wdr16	5	0	0	0
BC096441	1	0	0	0
Tmem95	1	0	0	0
Pfn1	1	0	0	0
Inca1	1	0	0	0
Cyb5d2	2	0	0	0
Tmem93	3	0	0	0
Sgsm2	6	0	0	0
Evi2a	1	0	0	0
Pex12	2	0	0	0
Pigw	2	0	0	0
Tmem49	7	0	0	0
Nog	1	0	0	0
Nme2	2	0	0	0
Mycbpap	4	0	0	0
AK027957	4	0	0	0
B4galnt2	1	0	0	0
Lrrc46	1	0	0	0
Pip4k2b	4	0	0	0
Krt16	2	0	0	0
Ccr10	1	0	0	0
Brca1	3	0	0	0
AK144330	2	0	0	0
Gfap	5	0	0	0
AK010390	1	0	0	0
XLOC_005249	1	0	0	0
XLOC_005254	1	0	0	0
Ftsj3	4	0	0	0
MtPolB	2	0	0	0
Slc16a6	2	0	0	0
XLOC_005304	1	0	0	0
Slc39a11	2	0	0	0
XLOC_005312	1	0	0	0
Atp5h	3	0	0	0
Grb2	8	0	0	0
XLOC_005367	2	0	0	0
2310003H01Rik	3	0	0	0

Arl16	2	0	0	0
1110031I02Rik	2	0	0	0
Abca13	1	0	0	0
Fbxo48	1	0	0	0
XLOC_003966	1	0	0	0
XLOC_003974	1	0	0	0
Hbq1b	1	0	0	0
Rapgef6	6	0	0	0
Gm12250	1	0	0	0
Gm12299	1	0	0	0
Aurkb	1	0	0	0
XLOC_004192	1	0	0	0
E130309D14Rik	2	0	0	0
Tsr1	2	0	0	0
XLOC_004263	3	0	0	0
XLOC_004285	2	0	0	0
Sfn4	2	0	0	0
Gm11442	1	0	0	0
Pthr2	1	0	0	0
AK040276	2	0	0	0
XLOC_004367	2	0	0	0
XLOC_004396	1	0	0	0
Phb	4	0	0	0
AK133925	1	0	0	0
Stat5a	3	0	0	0
Ccdc103	6	0	0	0
Wnt3	1	0	0	0
Tcam1	1	0	0	0
XLOC_004519	1	0	0	0
Fam100b	2	0	0	0
XLOC_004572	1	0	0	0
Sec14l2	2	0	0	0
Pgam2	2	0	0	0
Myl7	1	0	0	0
Gm12000	1	0	0	0
XLOC_004704	3	0	0	0
4930505A04Rik	2	0	0	0
XLOC_004760	1	0	0	0
9930111J21Rik2	1	0	0	0
Gm12199	1	0	0	0
Ccdc69	3	0	0	0
Zfp39	1	0	0	0
Rasd1	1	0	0	0
Slc5a10	2	0	0	0
Dnahc9	6	0	0	0
Tnfsf12	1	0	0	0
Chrn1	1	0	0	0

Slc2a4	3	0	0	0
A430084P05Rik	2	0	0	0
Slc13a5	4	0	0	0
AK076313	1	0	0	0
Rph3a1	3	0	0	0
Evi2b	2	0	0	0
XLOC_005055	1	0	0	0
Sfn8	3	0	0	0
Dlx4	1	0	0	0
Fbxo47	1	0	0	0
2810433D01Rik	1	0	0	0
Plcd3	1	0	0	0
XLOC_005265	1	0	0	0
Cd300lh	3	0	0	0
Grin2c	1	0	0	0
Cd7	2	0	0	0
AK050795	1	0	0	0
Pik3ip1	1	0	0	0
XLOC_003930	1	0	0	0
Ikzf1	1	0	0	0
Gm12034	1	0	0	0
XLOC_003992	5	0	0	0
XLOC_004045	1	0	0	0
XLOC_004063	2	0	0	0
XLOC_004111	1	0	0	0
Tax1bp3	2	0	0	0
XLOC_004240	1	0	0	0
Tmem98	1	0	0	0
Sfn1	1	0	0	0
Mbtd1	7	0	0	0
XLOC_004391	1	0	0	0
AK078566	1	0	0	0
XLOC_004437	1	0	0	0
XLOC_004451	1	0	0	0
Tmub2	1	0	0	0
XLOC_004487	1	0	0	0
Gm11652	1	0	0	0
Gm885	1	0	0	0
XLOC_004550	1	0	0	0
XLOC_004584	1	0	0	0
XLOC_004630	1	0	0	0
XLOC_004719	1	0	0	0
Zfp879	3	0	0	0
Ntn1	1	0	0	0
Cyb5d1	3	0	0	0
Tnk1	2	0	0	0
Spns3	5	0	0	0

Trp53i13	1	0	0	0
Sfn9	4	0	0	0
AM295304	1	0	0	0
Krt25	1	0	0	0
Kcnh4	5	0	0	0
Kpna2	2	0	0	0
Cd300ld	1	0	0	0
Sumo2	2	0	0	0
Slit3	1	0	0	0
XLOC_004013	1	0	0	0
XLOC_004027	1	0	0	0
XLOC_004034	2	0	0	0
3010026O09Rik	1	0	0	0
Gdf9	2	0	0	0
XLOC_004075	1	0	0	0
Trim17	1	0	0	0
Lrrc48	2	0	0	0
Eno3	1	0	0	0
XLOC_004229	1	0	0	0
Tmigd1	1	0	0	0
Coro6	4	0	0	0
XLOC_004287	1	0	0	0
Gm10022	1	0	0	0
Tubg1	1	0	0	0
Cntd1	1	0	0	0
Allergin-1	1	0	0	0
Slc9a3r1	2	0	0	0
XLOC_004590	2	0	0	0
Fn3k	1	0	0	0
4921536K21Rik	2	0	0	0
XLOC_004645	1	0	0	0
Znrf3	1	0	0	0
XLOC_004660	1	0	0	0
mKIAA1068	1	0	0	0
Npc1l1	1	0	0	0
BC079904	1	0	0	0
XLOC_004871	1	0	0	0
Kiaa0753	1	0	0	0
Ccl3	1	0	0	0
Gm12576	2	0	0	0
Jmjd6	2	0	0	0
Dnahc17	1	0	0	0
Pde6g	2	0	0	0
Rfng	1	0	0	0
Sectm1a	1	0	0	0
XLOC_003991	1	0	0	0
2310033P09Rik	2	0	0	0

Hs3st3a1	1	0	0	0
Gm11427	1	0	0	0
Gm11520	1	0	0	0
cdc6	1	0	0	0
Nags	1	0	0	0
XLOC_004503	1	0	0	0
Apoh	1	0	0	0
XLOC_004580	1	0	0	0
XLOC_004594	1	0	0	0
Plek	1	0	0	0
Zfp454	2	0	0	0
Tmem102	1	0	0	0
Spag7	1	0	0	0
Gm11515	1	0	0	0
Gm11536	1	0	0	0
Gm12355	1	0	0	0
4933400C05Rik	1	0	0	0
XLOC_005258	1	0	0	0
Smarcd2	1	0	0	0
Evpl	1	0	0	0
XLOC_006538	1	0	0	0
Kif3c	3	0	0	0
XLOC_006542	2	0	0	0
Dnmt3a	12	0	0	0
Dnajc27	6	0	0	0
Adcy3	6	0	0	0
BC067010	2	0	0	0
XLOC_006549	3	0	0	0
Itsn2	6	0	0	0
Atad2b	7	0	0	0
2810032G03Rik	2	0	0	0
XLOC_006559	2	0	0	0
1110057K04Rik	2	0	0	0
XLOC_006561	5	0	0	0
Hs1bp3	3	0	0	0
Pum2	9	0	0	0
Wdr35	3	0	0	0
Ttc32	2	0	0	0
Rdh14	2	0	0	0
XLOC_006574	3	0	0	0
Smc6	2	0	0	0
Rad51ap2	2	0	0	0
Fam49a	5	0	0	0
XLOC_006578	2	0	0	0
XLOC_006579	1	0	0	0
XLOC_006580	2	0	0	0
XLOC_006581	3	0	0	0

Nbas	10	0	0	0
XLOC_006586	6	0	0	0
AK045700	1	0	0	0
XLOC_006588	1	0	0	0
Ntsr2	6	0	0	0
E2f6	5	0	0	0
Rock2	1	0	0	0
Pdia6	1	0	0	0
Nol10	5	0	0	0
XLOC_006602	2	0	0	0
Cpsf3	3	0	0	0
AK133650	1	0	0	0
XLOC_006609	3	0	0	0
Taf1b	5	0	0	0
Grhl1	6	0	0	0
Klf11	3	0	0	0
Mboat2	3	0	0	0
Kidins220	4	0	0	0
Cmpk2	2	0	0	0
Rnaseh1	2	0	0	0
Adi1	1	0	0	0
Tssc1	2	0	0	0
XLOC_006629	1	0	0	0
Myt1l	8	0	0	0
Pxdn	9	0	0	0
Tmem18	1	0	0	0
Sh3yl1	1	0	0	0
Lamb1	5	0	0	0
Cog5	4	0	0	0
Nampt	3	0	0	0
Sypl	2	0	0	0
Atxn7l1	7	0	0	0
Efcab10	2	0	0	0
Twistnb	1	0	0	0
Twist1	1	0	0	0
Snx13	9	0	0	0
Ankmy2	1	0	0	0
Sostdc1	1	0	0	0
Ispd	4	0	0	0
Meox2	1	0	0	0
Tmem195	2	0	0	0
Dgkb	5	0	0	0
Dock4	3	0	0	0
Pnpla8	3	0	0	0
Nrcam	7	0	0	0
XLOC_006658	9	0	0	0
G2e3	6	0	0	0

Scfd1	1	0	0	0
Ap4s1	2	0	0	0
Nubpl	4	0	0	0
Akap6	5	0	0	0
Srp54a	4	0	0	0
Srp54c	2	0	0	0
Psm6	1	0	0	0
Aldoa	7	0	0	0
Brms1l	1	0	0	0
Prps1l3	2	0	0	0
Mipol1	1	0	0	0
Sip1	2	0	0	0
Pnn	1	0	0	0
XLOC_006684	3	0	0	0
Lrfr5	6	0	0	0
Fam179b	3	0	0	0
Fancm	4	0	0	0
9330151L19Rik	1	0	0	0
Klhdc1	5	0	0	0
Klhdc2	3	0	0	0
XLOC_006699	6	0	0	0
Atp5s	5	0	0	0
Atl1	7	0	0	0
Tmx1	2	0	0	0
Actr10	1	0	0	0
Psm3	9	0	0	0
Arid4a	4	0	0	0
2700049A03Rik	6	0	0	0
Daam1	5	0	0	0
Jkamp	4	0	0	0
Lrrc9	5	0	0	0
1810048J11Rik	2	0	0	0
Mnat1	3	0	0	0
XLOC_006723	1	0	0	0
Hif1a	6	0	0	0
Snapc1	6	0	0	0
Syt16	4	0	0	0
1700086L19Rik	1	0	0	0
Rhoj	2	0	0	0
Mthfd1	5	0	0	0
Zbtb1	5	0	0	0
Hspa2	3	0	0	0
Gm70	3	0	0	0
Gm10451	1	0	0	0
Churc1	3	0	0	0
Fntb	1	0	0	0
Fut8	6	0	0	0



Gphn	6	0	0	0
Mpp5	5	0	0	0
Eif2s1	1	0	0	0
Plekhh1	3	0	0	0
Rdh12	5	0	0	0
Exd2	5	0	0	0
Galnt1	4	0	0	0
Slc39a9	2	0	0	0
3830431G21Rik	4	0	0	0
4933426M11Rik	6	0	0	0
Smoc1	7	0	0	0
Ttc9	2	0	0	0
Pcnx	7	0	0	0
Sipa1l1	5	0	0	0
Dcaf4	4	0	0	0
Rbm25	3	0	0	0
Psen1	4	0	0	0
Acot2	2	0	0	0
Acot1	2	0	0	0
Acot6	1	0	0	0
Dnalc1	3	0	0	0
Coq6	2	0	0	0
Lin52	2	0	0	0
Isca2	4	0	0	0
Ylpm1	5	0	0	0
XLOC_006782	2	0	0	0
Dlst	3	0	0	0
Eif2b2	1	0	0	0
Fam164c	1	0	0	0
Fos	1	0	0	0
Jdp2	5	0	0	0
Mfsd7c	3	0	0	0
Ttll5	6	0	0	0
1700019E19Rik	2	0	0	0
Kiaa1152	1	0	0	0
1700020O03Rik	1	0	0	0
Vash1	4	0	0	0
Kiaa1737	3	0	0	0
Tmem63c	3	0	0	0
Ahsa1	1	0	0	0
Adck1	6	0	0	0
Nrxn3	21	0	0	0
Tshr	1	0	0	0
Flrt2	3	0	0	0
Gpr65	1	0	0	0
Spata7	5	0	0	0
Zc3h14	7	0	0	0

Ttc8	4	0	0	0
AK131831	2	0	0	0
Tdp1	2	0	0	0
Kcnk13	5	0	0	0
Psmc1	5	0	0	0
Calm1	1	0	0	0
AK039577	3	0	0	0
9030617003Rik	4	0	0	0
Cpsf2	2	0	0	0
Slc24a4	2	0	0	0
Golga5	2	0	0	0
Chga	2	0	0	0
D230037D09Rik	2	0	0	0
Ubr7	3	0	0	0
Otub2	3	0	0	0
Ifi2711	5	0	0	0
Ppp4r4	3	0	0	0
Serpina3g	3	0	0	0
Serpina3n	4	0	0	0
Glr5	3	0	0	0
D430019H16Rik	2	0	0	0
4933433P14Rik	1	0	0	0
Papola	4	0	0	0
Vrk1	5	0	0	0
Gm17052	1	0	0	0
Ccnk	4	0	0	0
Hhip1	6	0	0	0
Cyp46a1	3	0	0	0
Eml1	6	0	0	0
Evl	6	0	0	0
Yy1	4	0	0	0
Slc25a47	6	0	0	0
Rian	8	0	0	0
Mirg	13	0	0	0
Ppp2r5c	7	0	0	0
Wdr20a	6	0	0	0
Tecpr2	4	0	0	0
Rcor1	6	0	0	0
Traf3	4	0	0	0
A230065H16Rik	3	0	0	0
1200009I06Rik	6	0	0	0
Eif5	4	0	0	0
Mark3	6	0	0	0
Trmt61a	3	0	0	0
Klc1	14	0	0	0
Zfyve21	5	0	0	0
Kif26a	5	0	0	0

Adssl1	2	0	0	0
Siva1	3	0	0	0
Zbtb42	4	0	0	0
BC022687	1	0	0	0
Btbd6	3	0	0	0
Pacs2	4	0	0	0
Mta1	7	0	0	0
Crip2	8	0	0	0
4930427A07Rik	5	0	0	0
Tmem121	1	0	0	0
Zfp386	4	0	0	0
Esyt2	1	0	0	0
Fam62b	4	0	0	0
Ncapg2	4	0	0	0
Ptprn2	6	0	0	0
Rapgef5	1	0	0	0
Cdca7l	2	0	0	0
XLOC_006917	2	0	0	0
Rab10	1	0	0	0
BC048080	1	0	0	0
Efr3b	7	0	0	0
Ncoa1	7	0	0	0
XLOC_006928	3	0	0	0
Fkbp1b	4	0	0	0
Ubxn2a	6	0	0	0
Klhl29	5	0	0	0
XLOC_006934	1	0	0	0
Slc7a15	6	0	0	0
XLOC_006940	2	0	0	0
Kcns3	8	0	0	0
Vsnl1	2	0	0	0
Mycn	2	0	0	0
Ddx1	4	0	0	0
Fam84a	1	0	0	0
Trib2	6	0	0	0
Lpin1	7	0	0	0
Pqlc3	2	0	0	0
Kcnf1	1	0	0	0
AK148766	4	0	0	0
Itgb1bp1	3	0	0	0
Ywhaq	4	0	0	0
AK020054	1	0	0	0
XLOC_006971	2	0	0	0
Gm16372	1	0	0	0
Cys1	2	0	0	0
Id2	1	0	0	0
Rnf144a	6	0	0	0

Rsad2	1	0	0	0
AK163447	6	0	0	0
Colec11	1	0	0	0
Ttc15	3	0	0	0
Dld	1	0	0	0
Cbll1	6	0	0	0
Bcap29	3	0	0	0
Gpr22	1	0	0	0
Hbp1	2	0	0	0
Prkar2b	5	0	0	0
Hdac9	13	0	0	0
Ahr	2	0	0	0
Tspan13	4	0	0	0
Bzw2	3	0	0	0
Arl4a	2	0	0	0
Scin	1	0	0	0
Gm889	1	0	0	0
Ifrd1	3	0	0	0
Zfp277	1	0	0	0
Lrrn3	1	0	0	0
Dnajb9	1	0	0	0
Stxbp6	6	0	0	0
Nova1	2	0	0	0
Prkd1	2	0	0	0
Strn3	5	0	0	0
Hectd1	11	0	0	0
6530401N04Rik	4	0	0	0
Egln3	3	0	0	0
1110002B05Rik	2	0	0	0
Eapp	2	0	0	0
Gm16382	1	0	0	0
Snx6	4	0	0	0
Cfl2	2	0	0	0
Nfkbia	2	0	0	0
Mbip	3	0	0	0
Sec23a	3	0	0	0
Trappc6b	2	0	0	0
Fbxo33	2	0	0	0
Klhl28	2	0	0	0
Fkbp3	2	0	0	0
Mdga2	8	0	0	0
1110034A24Rik	4	0	0	0
Rpl36al	1	0	0	0
Pole2	5	0	0	0
Sdccag1	5	0	0	0
Gm71	6	0	0	0
Sos2	2	0	0	0

L2hgdh	5	0	0	0
Cdk1	7	0	0	0
mKIAA1565	8	0	0	0
Pygl	1	0	0	0
Trim9	10	0	0	0
AK014224	1	0	0	0
Timm9	6	0	0	0
2810055F11Rik	3	0	0	0
Rtn1	9	0	0	0
Dhrs7	1	0	0	0
Six1	3	0	0	0
Six4	1	0	0	0
Trmt5	5	0	0	0
Tmem30b	1	0	0	0
Kcnh5	1	0	0	0
Ppp2r5e	2	0	0	0
Wdr89	2	0	0	0
Sgpp1	3	0	0	0
XLOC_007078	1	0	0	0
Spnb1	2	0	0	0
Rab15	5	0	0	0
Max	3	0	0	0
Atp6v1d	5	0	0	0
Plek2	2	0	0	0
Tmem229b	8	0	0	0
Pigh	2	0	0	0
Vti1b	6	0	0	0
Rdh11	2	0	0	0
Zfyve26	6	0	0	0
Zfp36l1	1	0	0	0
2310015A10Rik	1	0	0	0
Actn1	8	0	0	0
Dcaf5	4	0	0	0
Erh	3	0	0	0
Gm1568	1	0	0	0
AK145430	3	0	0	0
Cox16	2	0	0	0
Synj2bp	4	0	0	0
Med6	8	0	0	0
Map3k9	2	0	0	0
Dpf3	5	0	0	0
Zfyve1	6	0	0	0
Numb	4	0	0	0
C130039O16Rik	4	0	0	0
Gm5436	1	0	0	0
Fam161b	4	0	0	0
Aldh6a1	2	0	0	0

Abcd4	4	0	0	0
Tmem90a	3	0	0	0
Npc2	1	0	0	0
Ltbp2	7	0	0	0
1110018G07Rik	7	0	0	0
Rps6kl1	2	0	0	0
Pgf	3	0	0	0
Mlh3	6	0	0	0
Acyp1	5	0	0	0
Nek9	6	0	0	0
Tmed10	7	0	0	0
0610007P14Rik	2	0	0	0
Tgfb3	4	0	0	0
Angel1	3	0	0	0
Zdhhc22	3	0	0	0
Ngb	2	0	0	0
Pomt2	1	0	0	0
Tmed8	3	0	0	0
Ism2	8	0	0	0
Sptlc2	1	0	0	0
Snw1	1	0	0	0
XLOC_007151	5	0	0	0
4930534B04Rik	4	0	0	0
Gtf2a1	7	0	0	0
Ston2	4	0	0	0
Sel1l	4	0	0	0
Gm6863	1	0	0	0
Galc	4	0	0	0
Kcnk10	5	0	0	0
Ptpn21	8	0	0	0
Foxn3	3	0	0	0
Ttc7b	9	0	0	0
Rps6ka5	3	0	0	0
Gpr68	2	0	0	0
Smek1	4	0	0	0
Fbln5	4	0	0	0
Atxn3	6	0	0	0
Lgmn	4	0	0	0
Itpk1	6	0	0	0
Moap1	2	0	0	0
Btbd7	2	0	0	0
Prima1	4	0	0	0
Ddx24	3	0	0	0
Ifi27l2a	4	0	0	0
Serpina10	2	0	0	0
Serpina1e	1	0	0	0
Serpina11	2	0	0	0

Dicer1	3	0	0	0
4831426I19Rik	6	0	0	0
Snhg10	2	0	0	0
Atg2b	2	0	0	0
XLOC_007201	8	0	0	0
Bcl11b	4	0	0	0
Setd3	10	0	0	0
Slc25a29	2	0	0	0
Wars	2	0	0	0
Hsp90aa1	8	0	0	0
Cinp	1	0	0	0
Cdc42bpb	5	0	0	0
AK080484	3	0	0	0
AK012841	2	0	0	0
Ckb	5	0	0	0
Ppp1r13b	4	0	0	0
2010107E04Rik	3	0	0	0
Tmem179	6	0	0	0
XLOC_007233	1	0	0	0
Ahnak2	1	0	0	0
Cdca4	2	0	0	0
Jag2	6	0	0	0
Nudt14	2	0	0	0
Brf1	4	0	0	0
Ighg	1	0	0	0
Wdr60	6	0	0	0
D430020J02Rik	2	0	0	0
Sp4	3	0	0	0
Itgb8	3	0	0	0
XLOC_006548	3	0	0	0
Pfn4	4	0	0	0
0610009D07Rik	1	0	0	0
AK050516	3	0	0	0
XLOC_006573	1	0	0	0
XLOC_006601	2	0	0	0
Iah1	4	0	0	0
Fam150b	2	0	0	0
Prpf39	3	0	0	0
Arf6	1	0	0	0
XLOC_006704	2	0	0	0
XLOC_006707	2	0	0	0
Frdm6	4	0	0	0
Slc38a6	7	0	0	0
Papln	3	0	0	0
Ptgr2	1	0	0	0
Samd15	1	0	0	0
AK153660	1	0	0	0

Wdr25	9	0	0	0
Dlk1	1	0	0	0
Meg3	8	0	0	0
XLOC_006870	1	0	0	0
XLOC_006887	1	0	0	0
2810002N01Rik	1	0	0	0
1110002L01Rik	3	0	0	0
XLOC_006922	1	0	0	0
Cenpo	1	0	0	0
A830093I24Rik	1	0	0	0
Mfsd2b	6	0	0	0
Adam17	1	0	0	0
Rps7	3	0	0	0
Sntg2	5	0	0	0
XLOC_006996	1	0	0	0
Ppp2r3c	4	0	0	0
Rps29	2	0	0	0
Map4k5	3	0	0	0
Sav1	1	0	0	0
Nin	1	0	0	0
XLOC_007073	1	0	0	0
Gpx2	2	0	0	0
XLOC_007095	3	0	0	0
Eml5	1	0	0	0
Ccdc88c	2	0	0	0
AK010878	1	0	0	0
Serpina3c	1	0	0	0
Ankrd9	5	0	0	0
Bag5	1	0	0	0
5033406O09Rik	7	0	0	0
Gm16844	1	0	0	0
XLOC_006541	2	0	0	0
XLOC_006569	1	0	0	0
XLOC_006585	1	0	0	0
AK018309	1	0	0	0
XLOC_006603	1	0	0	0
AK132630	1	0	0	0
2410018L13Rik	1	0	0	0
XLOC_006625	1	0	0	0
XLOC_006669	2	0	0	0
XLOC_006690	1	0	0	0
XLOC_006710	1	0	0	0
XLOC_006718	2	0	0	0
XLOC_006720	1	0	0	0
XLOC_006721	2	0	0	0
XLOC_006734	1	0	0	0
XLOC_006742	1	0	0	0



Rad51l1	3	0	0	0
Gstz1	3	0	0	0
XLOC_006801	1	0	0	0
XLOC_006816	1	0	0	0
XLOC_006822	3	0	0	0
XLOC_006835	1	0	0	0
XLOC_006842	8	0	0	0
XLOC_006843	1	0	0	0
XLOC_006844	1	0	0	0
XLOC_006852	3	0	0	0
Tnfaip2	2	0	0	0
XLOC_006895	1	0	0	0
XLOC_006901	1	0	0	0
Gen1	2	0	0	0
XLOC_006948	1	0	0	0
XLOC_006951	1	0	0	0
AK016682	5	0	0	0
C79407	2	0	0	0
Slc8a3	4	0	0	0
2610021K21Rik	4	0	0	0
XLOC_007168	1	0	0	0
Clmn	1	0	0	0
XLOC_007199	1	0	0	0
mKIAA1124	1	0	0	0
BC031503	3	0	0	0
AK149188	2	0	0	0
Gm4983	1	0	0	0
XLOC_006614	1	0	0	0
Npas3	1	0	0	0
Plekhg3	3	0	0	0
Arg2	1	0	0	0
XLOC_006783	3	0	0	0
Batf	1	0	0	0
2310044G17Rik	1	0	0	0
XLOC_006818	2	0	0	0
XLOC_006853	1	0	0	0
XLOC_006868	2	0	0	0
XLOC_006871	1	0	0	0
XLOC_006939	2	0	0	0
Acp1	2	0	0	0
Dus4l	2	0	0	0
XLOC_007105	2	0	0	0
Prox2	2	0	0	0
XLOC_007164	2	0	0	0
XLOC_007213	2	0	0	0
XLOC_007229	1	0	0	0
XLOC_006557	1	0	0	0

EG245297	1	0	0	0
Asap2	1	0	0	0
Imp2l	1	0	0	0
XLOC_006664	1	0	0	0
Akap5	1	0	0	0
XLOC_006745	1	0	0	0
XLOC_006839	1	0	0	0
XLOC_006864	1	0	0	0
XLOC_006875	1	0	0	0
1700030C10Rik	1	0	0	0
XLOC_006966	2	0	0	0
AK015004	1	0	0	0
Degs2	2	0	0	0
Igh-A (1g2)	1	0	0	0
XLOC_006537	1	0	0	0
BC068281	3	0	0	0
Gm10479	1	0	0	0
2410016O06Rik	1	0	0	0
XLOC_006980	1	0	0	0
Tpo	1	0	0	0
XLOC_007075	1	0	0	0
2810429I04Rik	2	0	0	0
Gdi2	3	0	0	0
Asb13	4	0	0	0
Akr1c19	3	0	0	0
Klf6	1	0	0	0
Pitrm1	2	0	0	0
XLOC_008072	3	0	0	0
Dip2c	6	0	0	0
Ero1lb	3	0	0	0
Nid1	2	0	0	0
Lyst	5	0	0	0
Gng4	3	0	0	0
B3galnt2	2	0	0	0
Arid4b	7	0	0	0
Psma2	7	0	0	0
AW209491	3	0	0	0
Vps41	8	0	0	0
Sfrp4	4	0	0	0
Elmo1	7	0	0	0
Aoah	5	0	0	0
Trim27	3	0	0	0
Zkscan4	1	0	0	0
Gm11274	2	0	0	0
Hist1h2bc	4	0	0	0
Tdp2	1	0	0	0
D130043K22Rik	5	0	0	0

Dcdc2a	1	0	0	0
Gm11361	1	0	0	0
AK020728	7	0	0	0
Agtr1a	2	0	0	0
Dusp22	2	0	0	0
Foxf2	1	0	0	0
XLOC_008128	6	0	0	0
Wrnip1	3	0	0	0
Serpinb1b	1	0	0	0
Psmg4	2	0	0	0
Prpf4b	7	0	0	0
Cdyl	2	0	0	0
Fars2	3	0	0	0
XLOC_008139	2	0	0	0
Ly86	1	0	0	0
Riok1	2	0	0	0
Snrnp48	2	0	0	0
Bmp6	1	0	0	0
Gm6245	1	0	0	0
Gcnt2	2	0	0	0
Pak1ip1	5	0	0	0
BC024659	2	0	0	0
Tmem170b	1	0	0	0
Gm10790	3	0	0	0
Phactr1	4	0	0	0
Nol7	3	0	0	0
AK038993	4	0	0	0
Cd83	3	0	0	0
Mylip	1	0	0	0
Gmpr	4	0	0	0
5033430I15Rik	2	0	0	0
XLOC_008173	1	0	0	0
Cap2	1	0	0	0
C78339	1	0	0	0
Kdm1b	4	0	0	0
Rnf144b	6	0	0	0
Id4	1	0	0	0
A830005F24Rik	1	0	0	0
C030044B11Rik	1	0	0	0
Ninj1	2	0	0	0
Tes3-ps	1	0	0	0
Ecm2	2	0	0	0
Ogn	1	0	0	0
Nol8	4	0	0	0
Fbxw17	4	0	0	0
Spin1	4	0	0	0
Nxn12	4	0	0	0

Secisbp2	1	0	0	0
Gadd45g	3	0	0	0
Sfxn1	5	0	0	0
Cplx2	3	0	0	0
Arl10	3	0	0	0
Higd2a	1	0	0	0
Faf2	1	0	0	0
Tspan17	9	0	0	0
Unc5a	3	0	0	0
Zfp346	6	0	0	0
Nsd1	2	0	0	0
Grk6	1	0	0	0
B4galt7	3	0	0	0
Caml	2	0	0	0
Ddx46	4	0	0	0
B230219D22Rik	1	0	0	0
Txndc15	1	0	0	0
Pcbd2	3	0	0	0
Catsper3	2	0	0	0
Fbxl21	5	0	0	0
Tgfbi	4	0	0	0
Smad5	4	0	0	0
5133401N09Rik	2	0	0	0
Ntrk2	7	0	0	0
Naa35	4	0	0	0
Dapk1	5	0	0	0
XLOC_008247	3	0	0	0
XLOC_008251	2	0	0	0
apo	1	0	0	0
0610007P08Rik	7	0	0	0
Habp4	2	0	0	0
Cdk20	3	0	0	0
Ptdss1	2	0	0	0
Zfp759	2	0	0	0
Zfp493	3	0	0	0
BC100427	5	0	0	0
Fastkd3	5	0	0	0
1700001L19Rik	6	0	0	0
Nsun2	2	0	0	0
Lpcat1	5	0	0	0
Clptm1l	2	0	0	0
Slc12a7	3	0	0	0
Brd9	5	0	0	0
Tppp	4	0	0	0
Slc9a3	4	0	0	0
Ccdc127	1	0	0	0
Erap1	1	0	0	0

Pcsk1	3	0	0	0
Eli2	3	0	0	0
Glrx	1	0	0	0
Ttc37	5	0	0	0
XLOC_008300	1	0	0	0
Mctp1	5	0	0	0
2210408I21Rik	5	0	0	0
Fam172a	7	0	0	0
AK044036	2	0	0	0
Arrdc3	3	0	0	0
9330111N05Rik	1	0	0	0
Mblac2	2	0	0	0
Cetn3	4	0	0	0
Mef2c	8	0	0	0
2810049E08Rik	2	0	0	0
Tmem161b	8	0	0	0
Ccnh	2	0	0	0
Edil3	7	0	0	0
Tmem167	1	0	0	0
Dhfr	1	0	0	0
Ankrd34b	4	0	0	0
Serinc5	5	0	0	0
Mtx3	2	0	0	0
Homer1	2	0	0	0
Arsb	2	0	0	0
Lhfpl2	5	0	0	0
Tbca	6	0	0	0
Zbed3	3	0	0	0
F2rl2	2	0	0	0
Poc5	1	0	0	0
Col4a3bp	3	0	0	0
Fam169a	2	0	0	0
Gfm2	5	0	0	0
Enc1	1	0	0	0
XLOC_008345	4	0	0	0
Ankra2	3	0	0	0
Gm9828	4	0	0	0
XLOC_008350	4	0	0	0
Mrps27	2	0	0	0
Serf1	1	0	0	0
Smn1	2	0	0	0
Taf9	6	0	0	0
XLOC_008359	1	0	0	0
Sgtb	2	0	0	0
Trim23	2	0	0	0
Cenpk	1	0	0	0
Adamts6	2	0	0	0

Srek1ip1	1	0	0	0
Htr1a	1	0	0	0
Dimt1	6	0	0	0
3830408C21Rik	11	0	0	0
2810008M24Rik	3	0	0	0
Elovl7	7	0	0	0
Pde4d	5	0	0	0
Plk2	1	0	0	0
Mier3	5	0	0	0
Ankrd55	4	0	0	0
Il6st	5	0	0	0
Ppap2a	4	0	0	0
Dhx29	1	0	0	0
Ccno	2	0	0	0
Esm1	1	0	0	0
BC067074	3	0	0	0
Arl15	4	0	0	0
Mocs2	5	0	0	0
Emb	4	0	0	0
Hcn1	4	0	0	0
Paip1	4	0	0	0
4833420G17Rik	3	0	0	0
Gm7120	3	0	0	0
XLOC_008407	1	0	0	0
Net1	5	0	0	0
Akr1e1	3	0	0	0
Pfkp	5	0	0	0
Wdr37	5	0	0	0
Zmynd11	9	0	0	0
Mtr	4	0	0	0
Lgals8	6	0	0	0
Gpr137b-ps	2	0	0	0
Gpr137b	4	0	0	0
Hecw1	5	0	0	0
Mrpl32	1	0	0	0
Cdk13	5	0	0	0
Rala	4	0	0	0
Stard3nl	2	0	0	0
Epdr1	2	0	0	0
Zkscan3	3	0	0	0
Pgbd1	4	0	0	0
Nkapl	1	0	0	0
Zfp389	2	0	0	0
Zfp192	3	0	0	0
Zfp322a	5	0	0	0
Abt1	1	0	0	0
Hist1h2be	2	0	0	0

Hfe	2	0	0	0
Scgn	3	0	0	0
Lrrc16a	7	0	0	0
Gmnn	2	0	0	0
Mrs2	2	0	0	0
Nrsn1	5	0	0	0
XLOC_008472	8	0	0	0
XLOC_008473	4	0	0	0
E2f3	5	0	0	0
Uqcrfs1	1	0	0	0
Exoc2	3	0	0	0
Serpinb6a	13	0	0	0
Tubb2a	6	0	0	0
Tubb2b	3	0	0	0
Slc22a23	2	0	0	0
1300014I06Rik	3	0	0	0
Peci	8	0	0	0
Rpp40	2	0	0	0
Lym4	2	0	0	0
Nrn1	4	0	0	0
F13a1	1	0	0	0
Ssr1	3	0	0	0
Cage1	1	0	0	0
Txndc5	4	0	0	0
Muted	1	0	0	0
Eef1e1	1	0	0	0
Slc35b3	9	0	0	0
Tcfap2a	4	0	0	0
AK043285	3	0	0	0
Elovl2	2	0	0	0
Nedd9	2	0	0	0
Tbc1d7	2	0	0	0
Gfod1	2	0	0	0
Ranbp9	3	0	0	0
Ccdc90a	3	0	0	0
Dtnbp1	4	0	0	0
Nup153	2	0	0	0
Kif13a	7	0	0	0
Nhlrc1	1	0	0	0
Dek	3	0	0	0
Zfp169	4	0	0	0
Ptpdc1	8	0	0	0
Phf2	2	0	0	0
Fam120a	4	0	0	0
Wnk2	6	0	0	0
1110007C09Rik	5	0	0	0
Susd3	3	0	0	0

Shc3	5	0	0	0
Sema4d	6	0	0	0
Diras2	2	0	0	0
Auh	8	0	0	0
Nfil3	4	0	0	0
Ror2	7	0	0	0
Sptlc1	3	0	0	0
Thoc3	1	0	0	0
XLOC_008555	1	0	0	0
4833439L19Rik	9	0	0	0
Nop16	3	0	0	0
Cltb	5	0	0	0
Rnf44	15	0	0	0
Gprin1	5	0	0	0
Rab24	3	0	0	0
Lman2	1	0	0	0
Dbn1	4	0	0	0
Fam193b	8	0	0	0
H2afy	4	0	0	0
Tifab	4	0	0	0
Cxcl14	2	0	0	0
Trp7	6	0	0	0
Trpc7	2	0	0	0
Spock1	6	0	0	0
Hnrnpa0	1	0	0	0
Ubqln1	3	0	0	0
2210016F16Rik	1	0	0	0
Hnrnpk	8	0	0	0
XLOC_008588	2	0	0	0
Zcchc6	7	0	0	0
Zfp935	1	0	0	0
XLOC_008605	2	0	0	0
Fbp2	1	0	0	0
Fbp1	4	0	0	0
XLOC_008607	1	0	0	0
XLOC_008608	1	0	0	0
Ptch1	6	0	0	0
Zfp367	4	0	0	0
Cdc14b	5	0	0	0
1110018J18Rik	1	0	0	0
Ctsl	3	0	0	0
Hiatl1	2	0	0	0
Mterfd1	1	0	0	0
Zfp85-rs1	1	0	0	0
Mtrr	4	0	0	0
Adcy2	6	0	0	0
Ube2ql1	2	0	0	0



BC018507	5	0	0	0
Adamts16	6	0	0	0
Ndufs6	3	0	0	0
Slc6a19	1	0	0	0
Trip13	4	0	0	0
Gm6263	1	0	0	0
Cep72	2	0	0	0
Exoc3	4	0	0	0
Pdcd6	2	0	0	0
Sdha	3	0	0	0
Zfp72	3	0	0	0
Cast	6	0	0	0
Rhobtb3	3	0	0	0
Gm15528	1	0	0	0
Rfesd	5	0	0	0
Arsk	5	0	0	0
Ankrd32	5	0	0	0
Nr2f1	4	0	0	0
Polr3g	2	0	0	0
Rasa1	6	0	0	0
Cox7c	4	0	0	0
Atp6ap1l	4	0	0	0
Atg10	5	0	0	0
Zcchc9	2	0	0	0
Rasgrf2	7	0	0	0
Msh3	8	0	0	0
Fam151b	2	0	0	0
Zfyve16	3	0	0	0
Papd4	8	0	0	0
Jmy	2	0	0	0
Scamp1	3	0	0	0
Pde8b	7	0	0	0
Aggf1	2	0	0	0
F2rl1	2	0	0	0
F2r	1	0	0	0
Sv2c	6	0	0	0
Hmgcr	5	0	0	0
Gm6169	1	0	0	0
Nsa2	3	0	0	0
Hexb	3	0	0	0
Utp15	3	0	0	0
Btf3	6	0	0	0
Fcho2	4	0	0	0
Tnpo1	7	0	0	0
Ptcd2	4	0	0	0
Mtap1b	3	0	0	0
Bdp1	7	0	0	0

Naip1	1	0	0	0
Gtf2h2	3	0	0	0
Ocln	1	0	0	0
Marveld2	5	0	0	0
Rad17	4	0	0	0
Cdk7	1	0	0	0
Cenph	1	0	0	0
Pik3r1	7	0	0	0
XLOC_008740	3	0	0	0
Mast4	8	0	0	0
Srsf12	5	0	0	0
Erb2ip	7	0	0	0
Nln	4	0	0	0
2410002O22Rik	5	0	0	0
Ppwd1	2	0	0	0
Cwc27	2	0	0	0
Rgs7bp	9	0	0	0
Rnf180	6	0	0	0
Ipo11	4	0	0	0
Kif2a	6	0	0	0
Zswim6	2	0	0	0
Rab3c	4	0	0	0
Gm5455	1	0	0	0
Gpbp1	8	0	0	0
Map3k1	7	0	0	0
Il31ra	7	0	0	0
Skiv2l2	5	0	0	0
Gpx8	2	0	0	0
Snx18	4	0	0	0
Itga2	6	0	0	0
Pelo	1	0	0	0
Isl1	5	0	0	0
Mrps30	3	0	0	0
Heatr1	4	0	0	0
2810021B07Rik	3	0	0	0
XLOC_008097	3	0	0	0
Hist1h1d	1	0	0	0
Trim38	1	0	0	0
Gpld1	2	0	0	0
Sirt5	4	0	0	0
Ippk	2	0	0	0
Aspn	2	0	0	0
S1pr3	4	0	0	0
Cdhr2	1	0	0	0
Rgs14	2	0	0	0
XLOC_008237	2	0	0	0
AK015814	6	0	0	0

Rmi1	3	0	0	0
Etohd2	1	0	0	0
2010111I01Rik	3	0	0	0
Gm16133	5	0	0	0
AK021377	2	0	0	0
XLOC_008269	2	0	0	0
Med10	2	0	0	0
XLOC_008292	5	0	0	0
Lysmd3	4	0	0	0
Ssbp2	7	0	0	0
Wdr41	3	0	0	0
XLOC_008354	4	0	0	0
XLOC_008384	1	0	0	0
Slc38a9	2	0	0	0
XLOC_008393	1	0	0	0
XLOC_008398	2	0	0	0
BC016423	5	0	0	0
Tbce	3	0	0	0
5033411D12Rik	5	0	0	0
AK038969	2	0	0	0
Zfp187	9	0	0	0
Aldh5a1	2	0	0	0
Gmds	2	0	0	0
XLOC_008517	1	0	0	0
XLOC_008527	2	0	0	0
Cenpp	2	0	0	0
Gm15440	1	0	0	0
XLOC_008553	1	0	0	0
Hk3	6	0	0	0
Ddx41	5	0	0	0
XLOC_008578	3	0	0	0
Golm1	1	0	0	0
Gm3604	2	0	0	0
6720489N17Rik	3	0	0	0
XLOC_008604	3	0	0	0
BC064714	1	0	0	0
Uqcrb	2	0	0	0
BC038328	1	0	0	0
XLOC_008623	2	0	0	0
Zfp874b	4	0	0	0
Papd7	3	0	0	0
Zfp825	1	0	0	0
XLOC_008662	1	0	0	0
XLOC_008664	1	0	0	0
AK082072	1	0	0	0
Vcan	1	0	0	0
Cmya5	1	0	0	0

Bhmt2	1	0	0	0
Rgnf	6	0	0	0
Cartpt	5	0	0	0
Itga1	4	0	0	0
Pelota	1	0	0	0
Akr1c13	2	0	0	0
XLOC_008076	2	0	0	0
Fam65b	5	0	0	0
AK053225	1	0	0	0
AK030238	3	0	0	0
Hrh2	2	0	0	0
XLOC_008243	2	0	0	0
XLOC_008248	1	0	0	0
XLOC_008259	1	0	0	0
Mrpl36	2	0	0	0
XLOC_008282	1	0	0	0
XLOC_008306	1	0	0	0
XLOC_008360	1	0	0	0
Depdc1b	1	0	0	0
XLOC_008392	2	0	0	0
AK016040	1	0	0	0
XLOC_008402	1	0	0	0
Ggps1	3	0	0	0
AK085253	1	0	0	0
Pou6f2	2	0	0	0
C230035I16Rik	1	0	0	0
XLOC_008492	1	0	0	0
4931429P17Rik	1	0	0	0
AK039372	1	0	0	0
Isca1	1	0	0	0
Fancc	5	0	0	0
Rsl1	3	0	0	0
Zfp874a	1	0	0	0
XLOC_008661	5	0	0	0
Gpr150	1	0	0	0
4833422C13Rik	2	0	0	0
Thbs4	1	0	0	0
XLOC_008705	1	0	0	0
Polk	5	0	0	0
XLOC_008721	1	0	0	0
Mrps36	1	0	0	0
Slc30a5	5	0	0	0
XLOC_008066	1	0	0	0
TTRAP	1	0	0	0
XLOC_008129	1	0	0	0
XLOC_008140	2	0	0	0
Omd	1	0	0	0

Cks2	1	0	0	0
XLOC_008204	1	0	0	0
XLOC_008209	1	0	0	0
4732471D19Rik	1	0	0	0
XLOC_008214	1	0	0	0
AK043531	2	0	0	0
Zfp455	3	0	0	0
XLOC_008276	2	0	0	0
Cd180	2	0	0	0
Ercc8	2	0	0	0
XLOC_008373	2	0	0	0
XLOC_008400	1	0	0	0
AK090209	2	0	0	0
XLOC_008518	1	0	0	0
XLOC_008582	1	0	0	0
Kif27	1	0	0	0
XLOC_008599	1	0	0	0
Zfp934	2	0	0	0
AK139826	2	0	0	0
Zfp953	1	0	0	0
Srd5a1	2	0	0	0
AK053270	1	0	0	0
Ndufaf2	1	0	0	0
XLOC_008059	1	0	0	0
XLOC_008087	2	0	0	0
XLOC_008119	1	0	0	0
Bphl	1	0	0	0
XLOC_008151	1	0	0	0
Edn1	1	0	0	0
XLOC_008186	1	0	0	0
Prelid1	1	0	0	0
XLOC_008255	1	0	0	0
AK002708	2	0	0	0
AK034282	1	0	0	0
Fgd3	3	0	0	0
XLOC_008543	1	0	0	0
Mxd3	1	0	0	0
AK045807	1	0	0	0
A530054K11Rik	1	0	0	0
XLOC_008086	1	0	0	0
XLOC_008130	1	0	0	0
Gm8619	1	0	0	0
AK017337	1	0	0	0
XLOC_008307	1	0	0	0
XLOC_008399	1	0	0	0
XLOC_008403	1	0	0	0
XLOC_008412	1	0	0	0

XLOC_008413	2	0	0	0
Acot13	1	0	0	0
AK039480	1	0	0	0
A530095I07Rik	1	0	0	0
XLOC_008773	1	0	0	0
Gm17048	1	0	0	0
Gm17128	1	0	0	0
Gm5456	1	0	0	0
Gm17121	1	0	0	0
Gm8396	1	0	0	0
Flnb	8	0	0	0
Abhd6	3	0	0	0
Rpp14	2	0	0	0
Kctd6	6	0	0	0
Ptprg	3	0	0	0
3830406C13Rik	8	0	0	0
Gm5457	1	0	0	0
Atxn7	6	0	0	0
Il3ra	9	0	0	0
Slc4a7	5	0	0	0
AK080648	5	0	0	0
XLOC_009555	1	0	0	0
Ngly1	2	0	0	0
Top2b	7	0	0	0
Thrb	7	0	0	0
Nkiras1	1	0	0	0
Nid2	4	0	0	0
Nudt13	5	0	0	0
XLOC_009563	1	0	0	0
Fam149b	5	0	0	0
2310021P13Rik	8	0	0	0
Plau	3	0	0	0
Vcl	5	0	0	0
Adk	4	0	0	0
Myst4	10	0	0	0
Samd8	4	0	0	0
Vdac2	5	0	0	0
Rps24	9	0	0	0
Ppif	3	0	0	0
Anxa11	4	0	0	0
Fam116a	6	0	0	0
Arf4	1	0	0	0
Il17rd	3	0	0	0
Erc2	14	0	0	0
Wnt5a	6	0	0	0
Selk	3	0	0	0
Actr8	3	0	0	0

Chdh	3	0	0	0
Dcp1a	3	0	0	0
Tkt	7	0	0	0
Rft1	3	0	0	0
Sfmbt1	4	0	0	0
Mustn1	1	0	0	0
XLOC_009601	1	0	0	0
Nek4	5	0	0	0
Glt8d1	3	0	0	0
Pbrm1	6	0	0	0
Nt5dc2	2	0	0	0
Tnnc1	8	0	0	0
Sema3g	2	0	0	0
Bap1	3	0	0	0
Capn7	2	0	0	0
Eaf1	1	0	0	0
Btd	3	0	0	0
D830044D21Rik	1	0	0	0
Oxnad1	1	0	0	0
Parg	3	0	0	0
Ogdhl	5	0	0	0
Prrx1	5	0	0	0
1810011H11Rik	3	0	0	0
E130203B14Rik	2	0	0	0
Arhgap22	7	0	0	0
Glud1	3	0	0	0
XLOC_009629	2	0	0	0
XLOC_009631	1	0	0	0
Wapal	3	0	0	0
Grid1	5	0	0	0
Gm5057	2	0	0	0
XLOC_009637	1	0	0	0
Gpr137c	1	0	0	0
Psmc6	2	0	0	0
Styx	1	0	0	0
Gm6580	1	0	0	0
Socs4	3	0	0	0
Mapk1ip1l	1	0	0	0
Ktn1	9	0	0	0
Peli2	3	0	0	0
6720456H20Rik	6	0	0	0
Mudeng	2	0	0	0
Naa30	1	0	0	0
Parp2	3	0	0	0
Apex1	2	0	0	0
Pnp	5	0	0	0
Pnp2	1	0	0	0

Rnase4	5	0	0	0
Mett11d1	8	0	0	0
Slc39a2	4	0	0	0
Arhgef40	9	0	0	0
Rpgrip1	1	0	0	0
Tox4	3	0	0	0
Tcra	4	0	0	0
Abhd4	1	0	0	0
Oxa1l	2	0	0	0
Mrpl52	2	0	0	0
Lrp10	4	0	0	0
Rem2	1	0	0	0
Pabpn1	8	0	0	0
Cmtm5	7	0	0	0
Ngdn	5	0	0	0
Dhrs2	2	0	0	0
Pck2	3	0	0	0
Psme1	3	0	0	0
Rnf31	4	0	0	0
Rec8	7	0	0	0
Gmpr2	1	0	0	0
2610027L16Rik	1	0	0	0
Nynrin	3	0	0	0
Khynyn	1	0	0	0
Rnf17	3	0	0	0
Parp4	4	0	0	0
Mphosph8	3	0	0	0
Zmym2	2	0	0	0
Ift88	3	0	0	0
Mrp63	2	0	0	0
Fgf9	7	0	0	0
Rcbtb1	5	0	0	0
Cab39l	4	0	0	0
Shisa2	1	0	0	0
Mtmr6	4	0	0	0
Fam123a	1	0	0	0
Spata13	5	0	0	0
Mipep	2	0	0	0
Arl11	1	0	0	0
Trim13	2	0	0	0
Rnaseh2b	4	0	0	0
AK200207	2	0	0	0
Wdfy2	7	0	0	0
Defb42	2	0	0	0
Ctsb	5	0	0	0
Fam167a	4	0	0	0
Xkr6	3	0	0	0



Pinx1	3	0	0	0
AK044422	2	0	0	0
Kif13b	7	0	0	0
Ints9	1	0	0	0
Fbxo16	5	0	0	0
Ccdc25	2	0	0	0
Trim35	3	0	0	0
Adra1a	1	0	0	0
Pnma2	3	0	0	0
Kctd9	4	0	0	0
Entpd4	5	0	0	0
AK133329	5	0	0	0
Bin3	2	0	0	0
Phyhip	3	0	0	0
Lgi3	4	0	0	0
Reep4	2	0	0	0
Hr	2	0	0	0
Nudt18	3	0	0	0
Dok2	4	0	0	0
XLOC_009792	4	0	0	0
Gfra2	6	0	0	0
Rcbtb2	5	0	0	0
Sucla2	1	0	0	0
Htr2a	1	0	0	0
Esd	6	0	0	0
Lcp1	3	0	0	0
Zc3h13	6	0	0	0
Siah3	1	0	0	0
XLOC_009810	1	0	0	0
Nufip1	1	0	0	0
Enox1	9	0	0	0
Mtrf1	1	0	0	0
Kbtbd7	1	0	0	0
Elf1	3	0	0	0
Sugt1	3	0	0	0
Pcdh17	2	0	0	0
Tdrd3	9	0	0	0
6720463M24Rik	5	0	0	0
Pibf1	3	0	0	0
Klf5	3	0	0	0
Uchl3	7	0	0	0
Cln5	1	0	0	0
AK079958	1	0	0	0
Slain1	2	0	0	0
AK043219	1	0	0	0
D130009I18Rik	5	0	0	0
Ndfip2	5	0	0	0

FJ744746	8	0	0	0
XLOC_009849	1	0	0	0
Slitrk5	3	0	0	0
Tpm3-rs7	1	0	0	0
Mir17hg	1	0	0	0
Gpc5	4	0	0	0
Gpr180	3	0	0	0
Dnajc3	2	0	0	0
Rap2a	1	0	0	0
Ipo5	2	0	0	0
XLOC_009865	4	0	0	0
Ubac2	1	0	0	0
Tm9sf2	6	0	0	0
Clybl	2	0	0	0
Pcca	1	0	0	0
Dnase1l3	2	0	0	0
Pdhb	2	0	0	0
Fam107a	3	0	0	0
4930452B06Rik	4	0	0	0
Fhit	10	0	0	0
Cadps	13	0	0	0
Thoc7	7	0	0	0
Psmc6	2	0	0	0
Lrrc3b	6	0	0	0
Rarb	1	0	0	0
XLOC_009893	2	0	0	0
Ube2e1	1	0	0	0
Ube2e2	2	0	0	0
2700060E02Rik	4	0	0	0
1810063B07Rik	2	0	0	0
Kcnk16	4	0	0	0
Ecd	1	0	0	0
Dnajc9	2	0	0	0
Mrps16	4	0	0	0
Ttc18	7	0	0	0
Anxa7	5	0	0	0
Ppp3cb	7	0	0	0
Ndst2	8	0	0	0
Camk2g	11	0	0	0
Ap3m1	8	0	0	0
Comtd1	2	0	0	0
Zfp503	2	0	0	0
Kcnma1	9	0	0	0
Dlg5	6	0	0	0
Polr3a	2	0	0	0
Zcchc24	4	0	0	0
D14Ert449e	4	0	0	0

Plac9	1	0	0	0
Simap	8	0	0	0
Pde12	1	0	0	0
Appl1	5	0	0	0
Ccdc66	4	0	0	0
Cacna2d3	6	0	0	0
Cacna1d	11	0	0	0
Prkcd	4	0	0	0
Spcs1	1	0	0	0
Gnl3	3	0	0	0
2010107H07Rik	4	0	0	0
Dnahc1	4	0	0	0
Sh3bp5	2	0	0	0
Hacl1	4	0	0	0
Ankrd28	6	0	0	0
Dph3	2	0	0	0
Wdfy4	7	0	0	0
Mapk8	3	0	0	0
Sncg	2	0	0	0
Bmpr1a	4	0	0	0
Ldb3	6	0	0	0
Opn4	3	0	0	0
Gcap14	7	0	0	0
Cdhr1	3	0	0	0
Ghitm	4	0	0	0
Tspan14	7	0	0	0
5730469M10Rik	4	0	0	0
Dydc2	3	0	0	0
Ptgdr	1	0	0	0
Txndc16	7	0	0	0
Ero1l	3	0	0	0
Fermt2	4	0	0	0
XLOC_009985	1	0	0	0
Gmfb	4	0	0	0
Gch1	2	0	0	0
Dlgap5	1	0	0	0
Atg14	4	0	0	0
XLOC_009998	1	0	0	0
Gm6055	1	0	0	0
Slc35f4	7	0	0	0
3632451O06Rik	8	0	0	0
Ttc5	5	0	0	0
Tep1	4	0	0	0
Klhl33	3	0	0	0
Osgep	3	0	0	0
Ndrp2	13	0	0	0
Hnrnp35	7	0	0	0

Rab2b	2	0	0	0
Mettl3	1	0	0	0
Sall2	4	0	0	0
Dad1	1	0	0	0
Slc7a7	2	0	0	0
Prmt5	5	0	0	0
Haus4	4	0	0	0
Jub	4	0	0	0
4931414P19Rik	4	0	0	0
Psmb5	2	0	0	0
Cdh24	8	0	0	0
Acin1	8	0	0	0
Cebpe	2	0	0	0
Slc7a8	6	0	0	0
Homez	1	0	0	0
Ppp1r3e	1	0	0	0
Slc22a17	7	0	0	0
Efs	1	0	0	0
Zfhx2	5	0	0	0
Jph4	1	0	0	0
Fam158a	1	0	0	0
Ipo4	5	0	0	0
Mdp1	2	0	0	0
Nedd8	5	0	0	0
Rabggta	4	0	0	0
Dhrs1	6	0	0	0
Sdr39u1	4	0	0	0
Ube2j2	6	0	0	0
Cenpj	3	0	0	0
Pspc1	4	0	0	0
Zmym5	12	0	0	0
Gjb2	1	0	0	0
Cryl1	2	0	0	0
N6amt2	2	0	0	0
Xpo4	7	0	0	0
Lats2	5	0	0	0
F630043A04Rik	1	0	0	0
Zdhhc20	6	0	0	0
Efha1	1	0	0	0
Phf11	1	0	0	0
Gm4902	2	0	0	0
Cdad1	2	0	0	0
Atp8a2	7	0	0	0
Nupl1	1	0	0	0
Tnfrsf19	3	0	0	0
Ebpl	1	0	0	0
Kpna3	4	0	0	0

6330409N04Rik	3	0	0	0
Ints6	7	0	0	0
Fdft1	4	0	0	0
Neil2	6	0	0	0
Msra	7	0	0	0
Hmbox1	8	0	0	0
Extl3	9	0	0	0
Pnoc	2	0	0	0
Elp3	2	0	0	0
Scara3	2	0	0	0
Ephx2	3	0	0	0
Ptk2b	4	0	0	0
Dpysl2	4	0	0	0
Ppp2r2d	10	0	0	0
Ppp2r2a	1	0	0	0
Cdca2	1	0	0	0
Dock5	4	0	0	0
Slc25a37	5	0	0	0
R3hcc1	3	0	0	0
Chmp7	3	0	0	0
Rhobtb2	6	0	0	0
2610301G19Rik	5	0	0	0
9930012K11Rik	4	0	0	0
Pdlim2	4	0	0	0
Sorbs3	5	0	0	0
Ppp3cc	3	0	0	0
Slc39a14	7	0	0	0
Piwil2	2	0	0	0
Polr3d	3	0	0	0
Bmp1	4	0	0	0
Fam160b2	10	0	0	0
Epb4.9	11	0	0	0
Npm2	2	0	0	0
Xpo7	4	0	0	0
Fndc3a	8	0	0	0
Rb1	3	0	0	0
Itm2b	1	0	0	0
Lrch1	4	0	0	0
Cog3	5	0	0	0
Slc25a30	3	0	0	0
1200011I18Rik	1	0	0	0
Serp2	5	0	0	0
9030625A04Rik	4	0	0	0
Dnajc15	6	0	0	0
Akap11	7	0	0	0
Dgkh	6	0	0	0
1190002H23Rik	3	0	0	0

Wbp4	3	0	0	0
Lect1	5	0	0	0
Pcdh8	2	0	0	0
XLOC_010150	2	0	0	0
Gm10119	1	0	0	0
Pcdh9	7	0	0	0
Dach1	6	0	0	0
Mzt1	1	0	0	0
Dis3	3	0	0	0
Klf12	6	0	0	0
Tbc1d4	9	0	0	0
Commd6	2	0	0	0
Fbxl3	7	0	0	0
Mycbp2	12	0	0	0
Ednrb	4	0	0	0
Pou4f1	2	0	0	0
Rbm26	7	0	0	0
XLOC_010170	2	0	0	0
Slitrk1	1	0	0	0
XLOC_010177	6	0	0	0
Abcc4	7	0	0	0
Dzip1	12	0	0	0
Uggt2	7	0	0	0
XLOC_010184	2	0	0	0
Stk24	5	0	0	0
Slc15a1	1	0	0	0
A2ld1	2	0	0	0
Tmtc4	5	0	0	0
XLOC_009550	1	0	0	0
Chchd1	1	0	0	0
XLOC_009576	1	0	0	0
XLOC_009585	1	0	0	0
Arhgef3	5	0	0	0
XLOC_009610	1	0	0	0
XLOC_009619	3	0	0	0
Ptger2	2	0	0	0
XLOC_009649	4	0	0	0
Cgrrf1	2	0	0	0
Tcrd	2	0	0	0
Bcl2l2	1	0	0	0
Lrrc16b	7	0	0	0
XLOC_009739	1	0	0	0
Serpine3	3	0	0	0
Tnfrsf10b	2	0	0	0
Egr3	2	0	0	0
XLOC_009784	1	0	0	0
XLOC_009794	1	0	0	0

5031414D18Rik	2	0	0	0
XLOC_009842	1	0	0	0
AK166274	1	0	0	0
XLOC_009851	3	0	0	0
AK147121	6	0	0	0
Zic2	2	0	0	0
AK041589	4	0	0	0
XLOC_009882	1	0	0	0
Nr1d2	5	0	0	0
Rpl15	2	0	0	0
AK086741	2	0	0	0
Il17rb	2	0	0	0
Timm23	2	0	0	0
Sh2d4b	6	0	0	0
Ap1g2	5	0	0	0
Tm9sf1	2	0	0	0
Ripk3	3	0	0	0
Dleu7	1	0	0	0
Bnip3l	2	0	0	0
AK086749	2	0	0	0
Fgf17	1	0	0	0
XLOC_010129	2	0	0	0
Rnf219	1	0	0	0
XLOC_010178	1	0	0	0
XLOC_009546	1	0	0	0
XLOC_009600	1	0	0	0
Rpl23a-ps3	1	0	0	0
XLOC_009667	1	0	0	0
Rnase6	1	0	0	0
Gm10364	1	0	0	0
XLOC_009725	1	0	0	0
Gm10094	2	0	0	0
AK014273	2	0	0	0
XLOC_009767	2	0	0	0
Ebf2	2	0	0	0
XLOC_009773	2	0	0	0
XLOC_009799	2	0	0	0
Zmynd17	4	0	0	0
Itih3	7	0	0	0
Nisch	4	0	0	0
3425401B19Rik	1	0	0	0
XLOC_009992	1	0	0	0
Psme2	3	0	0	0
Adcy4	6	0	0	0
Gjb6	2	0	0	0
FGF-14C (FHF-4C)	1	0	0	0
Pxk	3	0	0	0

XLOC_009634	5	0	0	0
Trdv1	1	0	0	0
XLOC_009723	2	0	0	0
Kcnrg	1	0	0	0
XLOC_009765	2	0	0	0
XLOC_009802	2	0	0	0
Tpt1	1	0	0	0
XLOC_009813	1	0	0	0
Hs6st3	2	0	0	0
XLOC_009864	1	0	0	0
XLOC_009903	1	0	0	0
XLOC_009960	2	0	0	0
XLOC_009988	3	0	0	0
AK047857	1	0	0	0
Duxbl	1	0	0	0
Gdf10	1	0	0	0
G630016D24Rik	1	0	0	0
C1qtnf9	1	0	0	0
XLOC_009743	2	0	0	0
Ccdc122	2	0	0	0
Mettl6	1	0	0	0
XLOC_009996	1	0	0	0
D14Ert668e	1	0	0	0
mKIAA4159	1	0	0	0
Nudt15	1	0	0	0
XLOC_010149	1	0	0	0
Kctd12	1	0	0	0
A330035P11Rik	2	0	0	0
XLOC_009578	1	0	0	0
Ear2	1	0	0	0
Gm17002	1	0	0	0
XLOC_009686	1	0	0	0
Pbk	1	0	0	0
XLOC_009826	1	0	0	0
Usp54	2	0	0	0
XLOC_010078	1	0	0	0
Esco2	1	0	0	0
XLOC_010100	1	0	0	0
Sepp1	1	0	0	0
Oxct1	2	0	0	0
Plcxd3	3	0	0	0
Rpl37	2	0	0	0
Prkaa1	3	0	0	0
Ttc33	7	0	0	0
Dab2	5	0	0	0
Lifr	3	0	0	0
XLOC_010943	1	0	0	0



XLOC_010944		1	0	0	0
Nup155		3	0	0	0
2410089E03Rik		17	0	0	0
XLOC_010947		6	0	0	0
Lmbrd2		3	0	0	0
Rad1		3	0	0	0
AK047938		1	0	0	0
Amacr		1	0	0	0
Zfr		5	0	0	0
Mtmr12		4	0	0	0
Golph3		2	0	0	0
Drosha		7	0	0	0
Cdh9		6	0	0	0
XLOC_010965		2	0	0	0
Cdh18		3	0	0	0
Myo10		9	0	0	0
Fam134b		4	0	0	0
Zfp622		2	0	0	0
	41709	7	0	0	0
XLOC_010972		1	0	0	0
XLOC_010973		3	0	0	0
Ank		3	0	0	0
XLOC_010975		3	0	0	0
Ctnnd2		7	0	0	0
Dap		3	0	0	0
Cmb1		5	0	0	0
Sema5a		3	0	0	0
Sdc2		1	0	0	0
Pgcp		2	0	0	0
XLOC_010984		1	0	0	0
Mtdh		5	0	0	0
Laptm4b		4	0	0	0
Matn2		4	0	0	0
Pop1		1	0	0	0
Kcns2		2	0	0	0
Vps13b		4	0	0	0
XLOC_010992		1	0	0	0
XLOC_010993		4	0	0	0
XLOC_010995		7	0	0	0
XLOC_010997		1	0	0	0
XLOC_010998		2	0	0	0
Atp6v1c1		2	0	0	0
Cthrc1		2	0	0	0
Dcaf13		4	0	0	0
XLOC_011007		6	0	0	0
Ttc35		2	0	0	0
Eny2		2	0	0	0

Ebag9	3	0	0	0
A930017M01Rik	3	0	0	0
XLOC_011019	2	0	0	0
Utp23	1	0	0	0
Aard	1	0	0	0
Med30	3	0	0	0
Nov	1	0	0	0
Deptor	4	0	0	0
Zhx2	4	0	0	0
Wdyhv1	2	0	0	0
D15Ert621e	4	0	0	0
Trmt12	1	0	0	0
Ndufb9	1	0	0	0
Sqle	1	0	0	0
Nsmce2	4	0	0	0
Trib1	2	0	0	0
Myc	4	0	0	0
Efr3a	6	0	0	0
Phf20l1	10	0	0	0
Khdrbs3	7	0	0	0
Gm3150	1	0	0	0
XLOC_011060	1	0	0	0
mKIAA0870	10	0	0	0
Ptp4a3	5	0	0	0
4930572J05Rik	2	0	0	0
Ly6e	9	0	0	0
Gpihbp1	3	0	0	0
Zfp41	3	0	0	0
AK084954	1	0	0	0
Rhpn1	6	0	0	0
XLOC_011075	1	0	0	0
Gsdmd	7	0	0	0
Zfp707	2	0	0	0
Grina	4	0	0	0
Gpaa1	4	0	0	0
Cyc1	3	0	0	0
Maf1	4	0	0	0
XLOC_011089	8	0	0	0
Brp16	6	0	0	0
Heatr7a	5	0	0	0
Hsf1	3	0	0	0
Gpr172b	1	0	0	0
Adck5	2	0	0	0
Ppp1r16a	9	0	0	0
Zfp7	3	0	0	0
Comm5	2	0	0	0
Rpl8	4	0	0	0

1110038F14Rik	4	0	0	0
XLOC_011105	6	0	0	0
Apol9b	3	0	0	0
XLOC_011108	1	0	0	0
Ncf4	3	0	0	0
Mpst	4	0	0	0
Kctd17	4	0	0	0
XLOC_011113	2	0	0	0
Cdc42ep1	1	0	0	0
Sh3bp1	4	0	0	0
Pdxp	2	0	0	0
Nol12	3	0	0	0
H1f0	1	0	0	0
Gcat	1	0	0	0
Micall1	3	0	0	0
Polr2f	1	0	0	0
Pick1	4	0	0	0
Cby1	4	0	0	0
Gtpbp1	2	0	0	0
Syng1	2	0	0	0
Mgat3	3	0	0	0
Atf4	2	0	0	0
Fam83f	5	0	0	0
XLOC_011148	2	0	0	0
Adsl	1	0	0	0
Sgsm3	3	0	0	0
Rbx1	5	0	0	0
XLOC_011155	1	0	0	0
Ep300	4	0	0	0
L3mbtl2	2	0	0	0
Zc3h7b	3	0	0	0
Xrcc6	1	0	0	0
Mei1	2	0	0	0
Ccdc134	4	0	0	0
Srebf2	4	0	0	0
1500032L24Rik	2	0	0	0
AK080278	2	0	0	0
Bik	1	0	0	0
Tspo	2	0	0	0
Samm50	5	0	0	0
Parvb	6	0	0	0
Nup50	3	0	0	0
Fam118a	2	0	0	0
Fbln1	5	0	0	0
Atxn10	5	0	0	0
XLOC_011188	1	0	0	0
Ppara	4	0	0	0

Ttc38	2	0	0	0
Gtse1	1	0	0	0
Trmu	4	0	0	0
Gramd4	5	0	0	0
Tbc1d22a	11	0	0	0
Fam19a5	3	0	0	0
Zbed4	1	0	0	0
Creld2	1	0	0	0
Panx2	3	0	0	0
Trabd	3	0	0	0
XLOC_011206	2	0	0	0
1300018J18Rik	2	0	0	0
Ncaph2	9	0	0	0
Mapk8ip2	5	0	0	0
AK082325	1	0	0	0
Shank3	10	0	0	0
Acr	2	0	0	0
Alg10b	2	0	0	0
Lrrk2	3	0	0	0
Cntn1	5	0	0	0
AK035742	4	0	0	0
XLOC_011225	2	0	0	0
Pphln1	9	0	0	0
Irak4	2	0	0	0
Tmem117	2	0	0	0
Ano6	4	0	0	0
Arid2	1	0	0	0
Slc48a1	1	0	0	0
Tmem106c	5	0	0	0
Pfkm	3	0	0	0
Cacnb3	3	0	0	0
Prph	11	0	0	0
Troap	2	0	0	0
Dnajc22	5	0	0	0
Spats2	5	0	0	0
Tmbim6	5	0	0	0
XLOC_011260	5	0	0	0
Gpd1	3	0	0	0
2310016M24Rik	1	0	0	0
Larp4	6	0	0	0
Dip2b	7	0	0	0
Mettl7a1	3	0	0	0
Gm10035	1	0	0	0
Letmd1	2	0	0	0
Dazap2	5	0	0	0
Slc4a8	4	0	0	0
Scn8a	3	0	0	0

XLOC_011277	4	0	0	0
Ankrd33	2	0	0	0
Acvr1	3	0	0	0
Acvr1b	1	0	0	0
Grasp	3	0	0	0
Nr4a1	5	0	0	0
9430023L20Rik	2	0	0	0
6030408B16Rik	2	0	0	0
Eif4b	3	0	0	0
Tenc1	7	0	0	0
Igfbp6	2	0	0	0
Mfsd5	2	0	0	0
Espl1	5	0	0	0
Myg1	3	0	0	0
Sp1	3	0	0	0
Amhr2	3	0	0	0
Prr13	5	0	0	0
XLOC_011296	3	0	0	0
Pcbp2	5	0	0	0
Tarbp2	5	0	0	0
Hoxc11	3	0	0	0
Hoxc10	2	0	0	0
Hoxc9	5	0	0	0
XLOC_011304	2	0	0	0
Hoxc8	1	0	0	0
Hoxc6	2	0	0	0
Hnrnpa1	3	0	0	0
Copz1	1	0	0	0
Ghr	3	0	0	0
AW549877	4	0	0	0
Card6	3	0	0	0
Ptger4	3	0	0	0
Osmr	8	0	0	0
Egflam	5	0	0	0
Wdr70	5	0	0	0
Slc1a3	2	0	0	0
Dnajc21	4	0	0	0
Brix1	1	0	0	0
Rai14	5	0	0	0
Tars	1	0	0	0
Npr3	1	0	0	0
Sub1	1	0	0	0
Pdzd2	10	0	0	0
6030458C11Rik	3	0	0	0
Cdh6	4	0	0	0
Acot10	1	0	0	0
Basp1	1	0	0	0

Fbxl7		1	0	0	0
XLOC_011346		1	0	0	0
Fam105a		4	0	0	0
Trio		14	0	0	0
Ankrd33b		3	0	0	0
Ropn1		3	0	0	0
	41704	5	0	0	0
Cct5		2	0	0	0
AK007719		1	0	0	0
Tspy15		1	0	0	0
Rpl30		5	0	0	0
Hrsp12		2	0	0	0
Stk3		4	0	0	0
Cox6c		1	0	0	0
Rnf19a		3	0	0	0
Ankrd46		5	0	0	0
Pabpc1		4	0	0	0
Ywhaz		6	0	0	0
Zfp706		4	0	0	0
Ncald		9	0	0	0
Rrm2b		7	0	0	0
Ubr5		7	0	0	0
Klf10		4	0	0	0
Azin1		2	0	0	0
Slc25a32		2	0	0	0
XLOC_011380		2	0	0	0
Dpys		4	0	0	0
Lrp12		2	0	0	0
XLOC_011383		2	0	0	0
Rspo2		9	0	0	0
Tmem74		1	0	0	0
Nudcd1		4	0	0	0
Sybu		9	0	0	0
Kcnv1		6	0	0	0
Csmd3		9	0	0	0
Eif3h		3	0	0	0
Rad21		1	0	0	0
Samd12		7	0	0	0
Taf2		3	0	0	0
Dsc1		2	0	0	0
Mrpl13		6	0	0	0
Sntb1		4	0	0	0
Der1		4	0	0	0
Zhx1		2	0	0	0
Atad2		5	0	0	0
Klhl38		2	0	0	0
Tmem65		4	0	0	0

Tatdn1	1	0	0	0
Mtss1	2	0	0	0
E430025E21Rik	2	0	0	0
Fam49b	7	0	0	0
Asap1	14	0	0	0
Adcy8	3	0	0	0
Oc90	2	0	0	0
Kcnq3	3	0	0	0
Ndr1	6	0	0	0
St3gal1	4	0	0	0
XLOC_011435	4	0	0	0
Col22a1	2	0	0	0
Kcnk9	2	0	0	0
Eif2c2	3	0	0	0
Ptk2	11	0	0	0
Slc45a4	7	0	0	0
Gm7935	1	0	0	0
Arc	3	0	0	0
Jrk	1	0	0	0
Lypd2	1	0	0	0
2300005B03Rik	1	0	0	0
Lynx1	3	0	0	0
Ly6a	4	0	0	0
Ly6c1	7	0	0	0
Ly6h	5	0	0	0
Top1mt	4	0	0	0
Zc3h3	4	0	0	0
Naprt1	9	0	0	0
Eef1d	4	0	0	0
Pycrl	4	0	0	0
Tsta3	4	0	0	0
2410075B13Rik	2	0	0	0
Fam83h	3	0	0	0
Scrib	10	0	0	0
Puf60	7	0	0	0
Nrbp2	10	0	0	0
Plec	4	0	0	0
Oplah	3	0	0	0
Sharnin	3	0	0	0
Bop1	6	0	0	0
Scrt1	2	0	0	0
Fbxl6	3	0	0	0
Cpsf1	8	0	0	0
Vps28	8	0	0	0
Cyhr1	4	0	0	0
Zfp251	5	0	0	0
Zfp647	2	0	0	0

Rbfox2	9	0	0	0
Apol9a	5	0	0	0
Myh9	7	0	0	0
Txn2	2	0	0	0
Eif3d	5	0	0	0
Cacng2	3	0	0	0
Csf2rb2	5	0	0	0
Tst	1	0	0	0
Tmprss6	6	0	0	0
Il2rb	3	0	0	0
C1qtnf6	4	0	0	0
Rac2	1	0	0	0
Elfn2	3	0	0	0
Mfng	3	0	0	0
Card10	5	0	0	0
Ankrd54	3	0	0	0
Sox10	6	0	0	0
Pla2g6	8	0	0	0
Tmem184b	5	0	0	0
Csnk1e	3	0	0	0
Kcnj4	3	0	0	0
Ddx17	8	0	0	0
Dmc1	2	0	0	0
4933432B09Rik	8	0	0	0
Sun2	6	0	0	0
Dnalc4	3	0	0	0
Nptxr	1	0	0	0
Cbx6	1	0	0	0
Rpl3	4	0	0	0
Rps19bp1	3	0	0	0
Slc25a17	1	0	0	0
St13	6	0	0	0
Chadl	1	0	0	0
Rangap1	7	0	0	0
Phf5a	1	0	0	0
Polr3h	2	0	0	0
Pmm1	1	0	0	0
Pppde2	2	0	0	0
Nhp2l1	4	0	0	0
AI848285	3	0	0	0
Cenpm	4	0	0	0
Naga	5	0	0	0
Ndufa6	2	0	0	0
Cyp2d22	6	0	0	0
Nfam1	6	0	0	0
Poldip3	2	0	0	0
Cyb5r3	6	0	0	0



1700001L05Rik	5	0	0	0
Pacsin2	7	0	0	0
Ttll1	1	0	0	0
Mcat	6	0	0	0
Efcab6	4	0	0	0
Sult4a1	6	0	0	0
1810041L15Rik	7	0	0	0
Ldoc1l	1	0	0	0
5031439G07Rik	4	0	0	0
XLOC_011571	1	0	0	0
2210021J22Rik	4	0	0	0
Cerk	8	0	0	0
Brd1	8	0	0	0
Alg12	3	0	0	0
Ttll8	3	0	0	0
Mlc1	5	0	0	0
Tubgcp6	2	0	0	0
Hdac10	6	0	0	0
Mapk11	3	0	0	0
Plxnb2	6	0	0	0
Fam116b	10	0	0	0
Sbf1	9	0	0	0
Lmf2	5	0	0	0
Tymp	3	0	0	0
Odf3b	4	0	0	0
Cpt1b	9	0	0	0
Chkb	4	0	0	0
Arsa	2	0	0	0
Rab12	4	0	0	0
Syt10	2	0	0	0
Gm8759	1	0	0	0
Kif21a	16	0	0	0
Abcd2	3	0	0	0
Slc2a13	1	0	0	0
Gxylt1	5	0	0	0
YAF2	3	0	0	0
Zcrb1	4	0	0	0
Adamts20	14	0	0	0
Pus7l	2	0	0	0
Twf1	4	0	0	0
Nell2	7	0	0	0
Dbx2	6	0	0	0
AK163711	5	0	0	0
Slc38a1	8	0	0	0
Slc38a2	9	0	0	0
Amigo2	3	0	0	0
Rpap3	2	0	0	0

HDAC7	5	0	0	0
Vdr	1	0	0	0
Asb8	3	0	0	0
Ccnt1	3	0	0	0
Ddx23	3	0	0	0
Arf3	6	0	0	0
Ddn	2	0	0	0
Prkag1	5	0	0	0
Mll2	9	0	0	0
Dhh	1	0	0	0
Lmbr1l	8	0	0	0
C1ql4	1	0	0	0
Nckap5l	8	0	0	0
Bcdin3d	1	0	0	0
Lass5	10	0	0	0
Lima1	5	0	0	0
Slc11a2	8	0	0	0
Csrnp2	2	0	0	0
Tcfcp2	10	0	0	0
Pou6f1	7	0	0	0
Smagp	2	0	0	0
BC141885	4	0	0	0
Cela1	3	0	0	0
Galnt6	4	0	0	0
AK146183	3	0	0	0
Spryd3	6	0	0	0
Csad	4	0	0	0
Itgb7	2	0	0	0
Rarg	7	0	0	0
Aaas	1	0	0	0
Map3k12	6	0	0	0
Atf7	4	0	0	0
Calcoco1	1	0	0	0
AK035706	1	0	0	0
XLOC_011689	1	0	0	0
Cbx5	3	0	0	0
Zfp385a	5	0	0	0
Itga5	7	0	0	0
Ppp1r1a	4	0	0	0
Capsl	2	0	0	0
Osr2	4	0	0	0
XLOC_011008	1	0	0	0
XLOC_011018	2	0	0	0
AK171902	1	0	0	0
Mtbp	4	0	0	0
9930014A18Rik	1	0	0	0
XLOC_011050	2	0	0	0

Chrac1	2	0	0	0
Ly6g	2	0	0	0
Kifc2	7	0	0	0
XLOC_011102	2	0	0	0
Gga1	2	0	0	0
Maff	3	0	0	0
Gm4825	1	0	0	0
XLOC_011191	4	0	0	0
XLOC_011202	1	0	0	0
Mov10l1	2	0	0	0
XLOC_011213	1	0	0	0
XLOC_011235	1	0	0	0
Fam113b	1	0	0	0
Gm5474	1	0	0	0
Soat2	4	0	0	0
Zfp740	7	0	0	0
XLOC_011290	1	0	0	0
Pfdn5	1	0	0	0
Hoxc4	3	0	0	0
BC157982	2	0	0	0
XLOC_011345	2	0	0	0
Snx31	3	0	0	0
XLOC_011367	2	0	0	0
Trappc9	2	0	0	0
C030006K11Rik	1	0	0	0
AK085438	1	0	0	0
Lgals2	2	0	0	0
Npcd	3	0	0	0
Cbx7	6	0	0	0
Tcf20	4	0	0	0
Rrp7a	2	0	0	0
2310037I24Rik	6	0	0	0
Rheb1	8	0	0	0
Mcrs1	6	0	0	0
Gm9763	1	0	0	0
AK038079	1	0	0	0
AK039268	4	0	0	0
Krt1	2	0	0	0
Heatr7b2	1	0	0	0
Gm19276	1	0	0	0
XLOC_010955	1	0	0	0
Adamts12	1	0	0	0
XLOC_010978	1	0	0	0
XLOC_010981	3	0	0	0
XLOC_011022	1	0	0	0
XLOC_011047	1	0	0	0
XLOC_011059	1	0	0	0

AK158547	4	0	0	0
Scx	1	0	0	0
Mfsd3	1	0	0	0
XLOC_011106	2	0	0	0
XLOC_011121	1	0	0	0
Kdelr3	1	0	0	0
Apobec3	2	0	0	0
XLOC_011140	2	0	0	0
Smcr7l	5	0	0	0
Ppp6r2	6	0	0	0
Ccdc65	5	0	0	0
XLOC_011249	1	0	0	0
XLOC_011252	2	0	0	0
Kcnh3	2	0	0	0
AK138921	1	0	0	0
AK043982	1	0	0	0
Pde1b	2	0	0	0
Fbxo4	3	0	0	0
Spef2	1	0	0	0
XLOC_011329	5	0	0	0
XLOC_011342	1	0	0	0
XLOC_011373	1	0	0	0
XLOC_011375	2	0	0	0
XLOC_011392	3	0	0	0
Trps1	3	0	0	0
XLOC_011409	2	0	0	0
Fam84b	2	0	0	0
XLOC_011430	1	0	0	0
Recql4	5	0	0	0
XLOC_011494	1	0	0	0
1700088E04Rik	2	0	0	0
XLOC_011528	1	0	0	0
AK045688	1	0	0	0
XLOC_011580	2	0	0	0
XLOC_011611	1	0	0	0
Senp1	2	0	0	0
Fkbp11	1	0	0	0
Prlr	2	0	0	0
XLOC_011051	1	0	0	0
XLOC_011090	1	0	0	0
AK007210	2	0	0	0
XLOC_011262	1	0	0	0
XLOC_011269	2	0	0	0
AB099516	1	0	0	0
XLOC_011271	1	0	0	0
Ccdc152	1	0	0	0
AK148391	2	0	0	0

9130401M01Rik	1	0	0	0
XLOC_011437	1	0	0	0
Slurp1	1	0	0	0
Ly6k	1	0	0	0
XLOC_011483	1	0	0	0
Josd1	1	0	0	0
Tnfrsf13c	2	0	0	0
XLOC_011619	1	0	0	0
Col2a1	1	0	0	0
Krt80	3	0	0	0
Atp5g2	1	0	0	0
XLOC_010939	1	0	0	0
Has2as	1	0	0	0
Xpnpep3	3	0	0	0
XLOC_011168	1	0	0	0
XLOC_011227	1	0	0	0
mKIAA0896	1	0	0	0
XLOC_011395	1	0	0	0
XLOC_011404	1	0	0	0
XLOC_011420	1	0	0	0
Parp10	2	0	0	0
A4galt	1	0	0	0
Mapk12	2	0	0	0
Fam186b	1	0	0	0
AK021197	2	0	0	0
XLOC_011668	1	0	0	0
D930007P13Rik	1	0	0	0
Gm5045	1	0	0	0
AK171817	1	0	0	0
XLOC_011080	1	0	0	0
XLOC_011081	2	0	0	0
XLOC_011175	1	0	0	0
XLOC_011198	1	0	0	0
Mettl7a2	1	0	0	0
Hoxc5	1	0	0	0
XLOC_011305	1	0	0	0
XLOC_011378	1	0	0	0
XLOC_011407	2	0	0	0
Gml	1	0	0	0
Dgat	1	0	0	0
Apol10b	1	0	0	0
Zfp263	4	0	0	0
Zfp174	3	0	0	0
Nat15	4	0	0	0
Dnaja3	4	0	0	0
Hmox2	4	0	0	0
4930562C15Rik	1	0	0	0

Mgrn1	4	0	0	0
Ubn1	1	0	0	0
Alg1	2	0	0	0
Rbfox1	14	0	0	0
BC024814	3	0	0	0
Pmm2	1	0	0	0
1810013L24Rik	1	0	0	0
Nubp1	4	0	0	0
Clec16a	9	0	0	0
DQ072382	2	0	0	0
Snn	1	0	0	0
Ercc4	2	0	0	0
Mkl2	3	0	0	0
Bfar	1	0	0	0
Rrn3	2	0	0	0
XLOC_012464	1	0	0	0
2900011O08Rik	3	0	0	0
Nde1	2	0	0	0
Efcab1	2	0	0	0
Prkdc	10	0	0	0
Ppm1f	2	0	0	0
Mapk1	5	0	0	0
Ydjc	4	0	0	0
Snap29	1	0	0	0
Crkl	3	0	0	0
P2rx6	1	0	0	0
Smpd4	4	0	0	0
Klhl22	6	0	0	0
Tssk1	1	0	0	0
Dgcr6	2	0	0	0
Rtn4r	1	0	0	0
Trmt2a	3	0	0	0
Arvcf	6	0	0	0
Ufd1l	2	0	0	0
2510002D24Rik	2	0	0	0
XLOC_012499	3	0	0	0
Klhl24	2	0	0	0
Yeats2	10	0	0	0
Eif2b5	4	0	0	0
Ap2m1	6	0	0	0
Abcf3	3	0	0	0
Ece2	7	0	0	0
Eif4g1	8	0	0	0
Fam131a	2	0	0	0
Polr2h	5	0	0	0
Ephb3	3	0	0	0
Map3k13	3	0	0	0

Senp2	1	0	0	0
Dnajb11	1	0	0	0
Hrg	3	0	0	0
Eif4a2	3	0	0	0
St6gal1	5	0	0	0
AK144897	10	0	0	0
Lpp	7	0	0	0
Tprg	3	0	0	0
Trp63	2	0	0	0
Il1rap	3	0	0	0
Ccdc50	4	0	0	0
Opa1	6	0	0	0
4632428C04Rik	6	0	0	0
Hes1	2	0	0	0
Fam43a	1	0	0	0
Gm15703	1	0	0	0
Ncbp2	1	0	0	0
1500031L02Rik	1	0	0	0
Rnf168	2	0	0	0
Tctex1d2	1	0	0	0
Pcyt1a	5	0	0	0
Zdhhc19	1	0	0	0
Tfrc	3	0	0	0
Tnk2	12	0	0	0
Fyttd1	1	0	0	0
Lrch3	3	0	0	0
Lmln	1	0	0	0
Zfp148	6	0	0	0
Heg1	4	0	0	0
Ccdc14	7	0	0	0
Adcy5	4	0	0	0
Kpna1	4	0	0	0
lqcb1	8	0	0	0
Golgb1	8	0	0	0
Hcls1	1	0	0	0
Rabl3	1	0	0	0
Lrrc58	2	0	0	0
Gpr156	6	0	0	0
Gsk3b	4	0	0	0
Cox17	1	0	0	0
B4galt4	3	0	0	0
Igsf11	1	0	0	0
Lsamp	5	0	0	0
BC002163	1	0	0	0
Naa50	2	0	0	0
Gm608	1	0	0	0
Spice1	2	0	0	0

BC027231	2	0	0	0
Ccdc80	5	0	0	0
XLOC_012612	6	0	0	0
Gm7204	1	0	0	0
Morc1	3	0	0	0
Myh15	1	0	0	0
Ift57	3	0	0	0
Cblb	5	0	0	0
Zbtb11	3	0	0	0
Abi3bp	9	0	0	0
Tomm70a	6	0	0	0
Dcbl2	3	0	0	0
Cpox	1	0	0	0
Cldnd1	4	0	0	0
Mina	1	0	0	0
Gm9027	1	0	0	0
Pros1	3	0	0	0
Cggbp1	2	0	0	0
Vgl3	2	0	0	0
Gbe1	4	0	0	0
Rbm11	1	0	0	0
Usp25	4	0	0	0
Cxadr	5	0	0	0
Chodl	2	0	0	0
Ncam2	2	0	0	0
Jam2	4	0	0	0
Gabpa	2	0	0	0
N6amt1	3	0	0	0
Bach1	5	0	0	0
Sod1	4	0	0	0
Hunk	2	0	0	0
Mrap	2	0	0	0
Ifnar2	4	0	0	0
Il10rb	2	0	0	0
Son	2	0	0	0
Itn1	4	0	0	0
Mrps6	2	0	0	0
Fam165b	3	0	0	0
Dopey2	9	0	0	0
Morc3	6	0	0	0
Ttc3	8	0	0	0
Dyrk1a	6	0	0	0
Ets2	1	0	0	0
Wrb	4	0	0	0
Sh3bgr	4	0	0	0
B3galt5	3	0	0	0
Pcp4	1	0	0	0



Bace2	3	0	0	0
Zfp597	2	0	0	0
1700037C18Rik	3	0	0	0
Nlrc3	7	0	0	0
Btbd12	1	0	0	0
Trap1	6	0	0	0
Adcy9	3	0	0	0
Srl	1	0	0	0
Coro7	9	0	0	0
Nmral1	2	0	0	0
5730403B10Rik	2	0	0	0
Rogdi	2	0	0	0
Glyr1	16	0	0	0
Ppl	1	0	0	0
Nagpa	4	0	0	0
AU021092	1	0	0	0
Fam86	1	0	0	0
Tmem114	2	0	0	0
Carhsp1	3	0	0	0
Usp7	3	0	0	0
Tekt5	1	0	0	0
Fam18a	6	0	0	0
Socs1	2	0	0	0
Litaf	2	0	0	0
Txndc11	3	0	0	0
Rsl1d1	1	0	0	0
Gspt1	3	0	0	0
Cpped1	4	0	0	0
Pdxdc1	2	0	0	0
4921513D23Rik	7	0	0	0
0610037P05Rik	4	0	0	0
Ube2v2	5	0	0	0
Mcm4	1	0	0	0
Mzt2	1	0	0	0
2310008H04Rik	3	0	0	0
Dnm1l	7	0	0	0
Sdf2l1	1	0	0	0
Pi4ka	8	0	0	0
Slc7a4	5	0	0	0
Med15	9	0	0	0
Dgcr2	5	0	0	0
Dgcr14	4	0	0	0
Slc25a1	4	0	0	0
4933432I09Rik	5	0	0	0
Zdhhc8	9	0	0	0
Ranbp1	3	0	0	0
Dgcr8	2	0	0	0

D16H22S680E	5	0	0	0
Comt	7	0	0	0
Mrpl40	5	0	0	0
A930003A15Rik	3	0	0	0
Map6d1	2	0	0	0
Abcc5	5	0	0	0
Alg3	4	0	0	0
Camk2n2	2	0	0	0
Clcn2	6	0	0	0
Gm8017	1	0	0	0
XLOC_012801	1	0	0	0
2510009E07Rik	4	0	0	0
Ehhadh	4	0	0	0
Tmem41a	3	0	0	0
Tra2b	6	0	0	0
Etv5	7	0	0	0
Dgkg	7	0	0	0
Masp1	2	0	0	0
Sst	1	0	0	0
Bcl6	7	0	0	0
AK039760	2	0	0	0
AK004252	1	0	0	0
Leprel1	5	0	0	0
Cldn1	1	0	0	0
Uts2d	1	0	0	0
Fgf12	9	0	0	0
1600021P15Rik	2	0	0	0
Atp13a4	6	0	0	0
AK165338	11	0	0	0
Atp13a3	7	0	0	0
Tmem44	5	0	0	0
Al480653	5	0	0	0
Acap2	5	0	0	0
Apod	4	0	0	0
Senp5	6	0	0	0
Pak2	2	0	0	0
Fbxo45	1	0	0	0
Osta	1	0	0	0
1700021K19Rik	7	0	0	0
AK160141	2	0	0	0
Umps	2	0	0	0
Sec22a	3	0	0	0
Pdia5	5	0	0	0
Dirc2	4	0	0	0
Parp14	4	0	0	0
AK144265	2	0	0	0
Fam162a	2	0	0	0

Stxbp5l	6	0	0	0
Gtf2e1	4	0	0	0
Ndufb4	2	0	0	0
4932425I24Rik	2	0	0	0
Pla1a	4	0	0	0
Adprh	2	0	0	0
4930455C21Rik	3	0	0	0
Ktelc1	4	0	0	0
Poglut1	1	0	0	0
Arhgap31	5	0	0	0
AK016521	1	0	0	0
Tigit	1	0	0	0
Qtrtd1	7	0	0	0
Zdhhc23	9	0	0	0
XLOC_012890	1	0	0	0
Atp6v1a	5	0	0	0
Boc	8	0	0	0
Gtpbp8	3	0	0	0
Cd200	2	0	0	0
Gm609	2	0	0	0
Tagln3	7	0	0	0
Abhd10	4	0	0	0
Phldb2	6	0	0	0
Plcxd2	4	0	0	0
Gm4737	1	0	0	0
Pvrl3	6	0	0	0
XLOC_012906	3	0	0	0
Dzip3	5	0	0	0
Bbx	14	0	0	0
Gm9575	1	0	0	0
Alcam	8	0	0	0
Fam55c	6	0	0	0
Cep97	3	0	0	0
Pcnp	3	0	0	0
Tfg	5	0	0	0
Tbc1d23	3	0	0	0
Col8a1	1	0	0	0
St3gal6	6	0	0	0
Crybg3	4	0	0	0
Arl6	2	0	0	0
Nsun3	3	0	0	0
Arl13b	3	0	0	0
4930453N24Rik	3	0	0	0
Zfp654	4	0	0	0
Chmp2b	3	0	0	0
Robo2	10	0	0	0
Hspa13	1	0	0	0

Nrip1	7	0	0	0
AK087725	7	0	0	0
XLOC_012955	2	0	0	0
Atp5j	4	0	0	0
App	10	0	0	0
AK080982	1	0	0	0
Cyr1	2	0	0	0
Adamts1	3	0	0	0
Adamts5	4	0	0	0
Ltn1	7	0	0	0
Rwdd2b	2	0	0	0
Cct8	4	0	0	0
Grik1	5	0	0	0
2610039C10Rik	1	0	0	0
1110004E09Rik	3	0	0	0
Synj1	20	0	0	0
Gcfc1	7	0	0	0
C21orf66	1	0	0	0
Tmem50b	5	0	0	0
Dnajc28	4	0	0	0
Gart	3	0	0	0
Cryzl1	2	0	0	0
Atp5o	4	0	0	0
Rcan1	4	0	0	0
Runx1	8	0	0	0
Setd4	14	0	0	0
Cldn14	3	0	0	0
Hlcs	9	0	0	0
Dscr3	1	0	0	0
Kcnj6	1	0	0	0
Psmg1	1	0	0	0
Brwd1	6	0	0	0
Hmgn1	3	0	0	0
Lca5l	2	0	0	0
Dscam	6	0	0	0
Prdm15	7	0	0	0
C2cd2	9	0	0	0
Zfp295	9	0	0	0
Cluap1	2	0	0	0
Nudt16l1	1	0	0	0
AK154225	5	0	0	0
Abat	2	0	0	0
AK014704	2	0	0	0
XLOC_012461	1	0	0	0
Yars2	2	0	0	0
Ypel1	1	0	0	0
mP2XM	1	0	0	0

Scarf2		5	0	0	0
Hira		4	0	0	0
AK005305		1	0	0	0
Wdr53		3	0	0	0
Hspbap1		1	0	0	0
Parp9		1	0	0	0
Fstl1		2	0	0	0
XLOC_012597		4	0	0	0
Atg3		4	0	0	0
Cd47		6	0	0	0
Rpl24		4	0	0	0
2810055G20Rik		6	0	0	0
AK045112		2	0	0	0
ORF63		1	0	0	0
XLOC_012677		1	0	0	0
BC056174		1	0	0	0
Anks3		4	0	0	0
Zc3h7a		3	0	0	0
Thap7		4	0	0	0
	41887	3	0	0	0
Rfc4		4	0	0	0
Iqcg		4	0	0	0
Kalrn		10	0	0	0
XLOC_012857		1	0	0	0
XLOC_012875		1	0	0	0
Slc35a5		3	0	0	0
AK135986		1	0	0	0
Gm6767		1	0	0	0
AK157531		3	0	0	0
Nfkbiz		4	0	0	0
Nit2		1	0	0	0
Htr1f		2	0	0	0
XLOC_012946		7	0	0	0
Rnf160		1	0	0	0
Donson		4	0	0	0
Shisa9		2	0	0	0
Hic2		1	0	0	0
Gnb1l		5	0	0	0
Vwa5b2		4	0	0	0
Chrd		6	0	0	0
2010005H15Rik		1	0	0	0
Polq		3	0	0	0
XLOC_012587		1	0	0	0
XLOC_012623		1	0	0	0
XLOC_012625		1	0	0	0
Gabbr3		1	0	0	0
XLOC_012658		1	0	0	0

Clic6	1	0	0	0
XLOC_012688	2	0	0	0
XLOC_012689	2	0	0	0
Cbr3	1	0	0	0
XLOC_012704	1	0	0	0
XLOC_012752	1	0	0	0
Ccdc116	2	0	0	0
Prodh	2	0	0	0
XLOC_012820	1	0	0	0
Casr	4	0	0	0
AK045242	1	0	0	0
AK084744	1	0	0	0
AK015492	1	0	0	0
D16Ertd472e	4	0	0	0
XLOC_012983	5	0	0	0
XLOC_012990	1	0	0	0
B230307C23Rik	1	0	0	0
XLOC_012453	1	0	0	0
XLOC_012459	2	0	0	0
Mpv17l	3	0	0	0
Wdvcf	1	0	0	0
Fetub	1	0	0	0
XLOC_012529	5	0	0	0
XLOC_012532	1	0	0	0
XLOC_012552	1	0	0	0
Gm5483	1	0	0	0
Wdr52	1	0	0	0
Cd200r1	1	0	0	0
Gm15640	1	0	0	0
Gm9017	1	0	0	0
Usp16	1	0	0	0
AK038602	5	0	0	0
XLOC_012720	1	0	0	0
Tmem186	1	0	0	0
Gm16618	1	0	0	0
Lrrc15	1	0	0	0
XLOC_012840	2	0	0	0
mKIAA0226	1	0	0	0
Dtx3l	1	0	0	0
Stfa2	3	0	0	0
Traits	1	0	0	0
XLOC_012894	1	0	0	0
E330017A01Rik	1	0	0	0
Btg3	1	0	0	0
Mx1	4	0	0	0
Vasn	1	0	0	0
Ciita	2	0	0	0

4930509G22Rik	1	0	0	0
XLOC_012501	1	0	0	0
XLOC_012509	1	0	0	0
XLOC_012541	1	0	0	0
Rpl35a	4	0	0	0
XLOC_012578	1	0	0	0
Btla	1	0	0	0
C330027C09Rik	1	0	0	0
Igsf5	1	0	0	0
Cdc45	3	0	0	0
XLOC_012832	2	0	0	0
Pigx	1	0	0	0
XLOC_012443	1	0	0	0
Txnrd2	1	0	0	0
XLOC_012531	1	0	0	0
Cd80	1	0	0	0
Gm5406	1	0	0	0
Filip1l	1	0	0	0
Tmem45a	2	0	0	0
XLOC_012932	1	0	0	0
Epha3	2	0	0	0
Scaf8	8	0	0	0
Arid1b	5	0	0	0
Zdhhc14	8	0	0	0
XLOC_013767	1	0	0	0
Snx9	7	0	0	0
Synj2	7	0	0	0
Gtf2h5	2	0	0	0
Tulp4	5	0	0	0
Tmem181a	3	0	0	0
Dynlt1c	1	0	0	0
Sytl3	3	0	0	0
Rnaset2b	4	0	0	0
Rps6ka2	6	0	0	0
Rsph3a	1	0	0	0
Fgfr1op	4	0	0	0
Sft2d1	4	0	0	0
Pde10a	4	0	0	0
1700010I14Rik	6	0	0	0
Agpat4	4	0	0	0
XLOC_013794	1	0	0	0
Slc22a2	1	0	0	0
Airn	3	0	0	0
XLOC_013801	1	0	0	0
Sod2	4	0	0	0
Tcp10a	3	0	0	0
Mllt4	11	0	0	0

Smoc2	1	0	0	0
Fam120b	3	0	0	0
Chd1	8	0	0	0
Riok2	1	0	0	0
Lix1	6	0	0	0
XLOC_013822	4	0	0	0
4930546H06Rik	9	0	0	0
XLOC_013825	4	0	0	0
Ppp2r1a	4	0	0	0
Zfp160	2	0	0	0
Zfp677	5	0	0	0
Zfp948	4	0	0	0
Hcfc1r1	4	0	0	0
Srrm2	7	0	0	0
Prss32	1	0	0	0
Abca3	2	0	0	0
Rnps1	9	0	0	0
Dci	4	0	0	0
Pgp	1	0	0	0
XLOC_013856	1	0	0	0
Caskin1	2	0	0	0
AK011460	1	0	0	0
Nthl1	3	0	0	0
Zfp598	6	0	0	0
Sepx1	2	0	0	0
Hs3st6	3	0	0	0
Hagh	6	0	0	0
Igfals	2	0	0	0
Ift140	4	0	0	0
Clcn7	4	0	0	0
BC003965	1	0	0	0
Unkl	5	0	0	0
AK079380	4	0	0	0
Lmf1	3	0	0	0
Rpusd1	5	0	0	0
Ccdc78	3	0	0	0
Fbxl16	5	0	0	0
Wdr24	2	0	0	0
Jmjd8	1	0	0	0
0610011F06Rik	3	0	0	0
Tmem8	3	0	0	0
Mrpl28	1	0	0	0
Axin1	4	0	0	0
Rgs11	2	0	0	0
Luc7l	2	0	0	0
Ergic1	1	0	0	0
Atp6v0e	1	0	0	0



A930001N09Rik	6	0	0	0
Kifc5b	8	0	0	0
Tctex-3	1	0	0	0
Phf1	4	0	0	0
XLOC_013900	7	0	0	0
Zbtb9	4	0	0	0
Ggnbp1	1	0	0	0
Itpr3	6	0	0	0
Pacsin1	4	0	0	0
Uhrf1bp1	2	0	0	0
Anks1	6	0	0	0
Scube3	7	0	0	0
Zfp523	5	0	0	0
Def6	3	0	0	0
Ppard	3	0	0	0
Rpl10a	4	0	0	0
Lhfp15	1	0	0	0
Mapk14	4	0	0	0
Mapk13	1	0	0	0
Kctd20	3	0	0	0
Sfrs3	7	0	0	0
Cdkn1a	3	0	0	0
BC004004	5	0	0	0
Pi16	5	0	0	0
Fgd2	9	0	0	0
Pim1	2	0	0	0
Rnf8	2	0	0	0
Ftsjd2	3	0	0	0
Zfand3	6	0	0	0
Abcg1	2	0	0	0
Slc37a1	5	0	0	0
Pde9a	5	0	0	0
Ndufv3	1	0	0	0
Pknox1	6	0	0	0
Cyp4f39	2	0	0	0
Cyp4f16	7	0	0	0
XLOC_013948	5	0	0	0
C920016K16Rik	3	0	0	0
Zfp472	1	0	0	0
Zfp952	1	0	0	0
Zfp563	2	0	0	0
Zfp955b	2	0	0	0
Adamts10	7	0	0	0
Pram1	8	0	0	0
Kank3	4	0	0	0
Cd320	1	0	0	0
Daxx	3	0	0	0

Tapbp	2	0	0	0
Wdr46	1	0	0	0
Vps52	4	0	0	0
H2-Oa	1	0	0	0
H2-DMb2	3	0	0	0
H2-DMb1	1	0	0	0
Tap1	2	0	0	0
Psmb8	3	0	0	0
Tap2	2	0	0	0
H2-Ab1	1	0	0	0
H2-Eb1	1	0	0	0
BC051142	8	0	0	0
IAP	5	0	0	0
Ager	5	0	0	0
Pbx2	1	0	0	0
Agpat1	1	0	0	0
Prmt1	6	0	0	0
Fkbp1	2	0	0	0
Atf6b	1	0	0	0
Rdbp	5	0	0	0
Ehmt2	6	0	0	0
Neu1	2	0	0	0
Lsm2	2	0	0	0
Vars	7	0	0	0
D17H6S56E-3	9	0	0	0
Ddah2	4	0	0	0
D17H6S53E	2	0	0	0
Bat3	15	0	0	0
Bat1a	6	0	0	0
H2-D1	3	0	0	0
Ier3	1	0	0	0
Flot1	2	0	0	0
Mdc1	4	0	0	0
2310014H01Rik	2	0	0	0
Dhx16	4	0	0	0
Ppp1r10	3	0	0	0
Gnl1	3	0	0	0
H2-M11	2	0	0	0
Trim26	3	0	0	0
Znrd1as	3	0	0	0
Zfp57	3	0	0	0
Gabbr1	6	0	0	0
H2-M3	2	0	0	0
Mut	2	0	0	0
3110082D06Rik	3	0	0	0
Tnfrsf21	2	0	0	0
Gpr116	6	0	0	0

Pla2g7	7	0	0	0
Cyp39a1	3	0	0	0
Rcan2	4	0	0	0
Enpp5	4	0	0	0
Clic5	4	0	0	0
Supt3h	1	0	0	0
AK046225	1	0	0	0
Aars2	3	0	0	0
Mrps18a	2	0	0	0
Gtpbp2	5	0	0	0
Xpo5	1	0	0	0
Yipf3	1	0	0	0
Gm88	3	0	0	0
XLOC_014063	2	0	0	0
Zfp318	4	0	0	0
Crip3	7	0	0	0
BC048355	2	0	0	0
XLOC_014068	1	0	0	0
Mrpl2	3	0	0	0
Cul7	1	0	0	0
Mea1	3	0	0	0
Pex6	4	0	0	0
2310039H08Rik	1	0	0	0
Mrps10	8	0	0	0
AI661453	1	0	0	0
Ccnd3	1	0	0	0
Usp49	6	0	0	0
Tcfcb	5	0	0	0
AI314976	6	0	0	0
Lrfr2	4	0	0	0
Plcl2	1	0	0	0
Gm7334	1	0	0	0
Kcnh8	3	0	0	0
Rab5a	3	0	0	0
Kat2b	5	0	0	0
XLOC_014098	2	0	0	0
St6gal2	5	0	0	0
Zfp959	8	0	0	0
Ccdc94	4	0	0	0
Shd	5	0	0	0
Fsd1	1	0	0	0
Mpnd	6	0	0	0
Chaf1a	1	0	0	0
Hdgfrp2	4	0	0	0
Safb	6	0	0	0
Ranbp3	5	0	0	0
Ndufa11	3	0	0	0

Dus3l	6	0	0	0
XLOC_014123	2	0	0	0
Clpp	1	0	0	0
Alkbh7	3	0	0	0
Tnfsf9	1	0	0	0
Trip10	8	0	0	0
Ppp4r1	8	0	0	0
XLOC_014135	2	0	0	0
ORF19	4	0	0	0
Lama1	5	0	0	0
Tmem200c	2	0	0	0
Epb4.1l3	10	0	0	0
Zfp161	3	0	0	0
A330050F15Rik	1	0	0	0
Dlgap1	6	0	0	0
Myom1	5	0	0	0
Lpin2	3	0	0	0
Wdr43	1	0	0	0
Clip4	8	0	0	0
Ypel5	4	0	0	0
Lbh	3	0	0	0
Lclat1	3	0	0	0
Ehd3	5	0	0	0
Spast	3	0	0	0
Slc30a6	3	0	0	0
Yipf4	2	0	0	0
Birc6	9	0	0	0
Ttc27	3	0	0	0
Ltbp1	10	0	0	0
Gm10093	1	0	0	0
Vit	3	0	0	0
Ccdc75	2	0	0	0
1110001A16Rik	1	0	0	0
2410091C18Rik	1	0	0	0
Qpct	2	0	0	0
Gemin6	2	0	0	0
Arhgef33	4	0	0	0
Tmem178	2	0	0	0
Pkdcc	2	0	0	0
Eml4	4	0	0	0
XLOC_014190	2	0	0	0
Mta3	6	0	0	0
Plekhh2	7	0	0	0
Dync2li1	2	0	0	0
Prkce	6	0	0	0
Epas1	1	0	0	0
Socs5	3	0	0	0

Ttc7	5	0	0	0
XLOC_014206	2	0	0	0
Msh2	4	0	0	0
Msh6	3	0	0	0
Klraq1	2	0	0	0
Ston1	7	0	0	0
Adcyap1	5	0	0	0
Gm10232	1	0	0	0
AK138253	2	0	0	0
Tfb1m	5	0	0	0
5730437N04Rik	1	0	0	0
Serac1	5	0	0	0
Tmem181b	3	0	0	0
BC049966	8	0	0	0
AK178082	4	0	0	0
Dynlt1e	3	0	0	0
Ezr	2	0	0	0
Rsph3b	2	0	0	0
Tagap1	2	0	0	0
Fndc1	6	0	0	0
Gm1604b	1	0	0	0
Rnaset2a	3	0	0	0
AK015714	2	0	0	0
Qk	8	0	0	0
Pacrg	3	0	0	0
Map3k4	7	0	0	0
Slc22a3	6	0	0	0
Igf2r	5	0	0	0
Pnlnc1	5	0	0	0
Acat2	3	0	0	0
Wtap	8	0	0	0
Tcte2	4	0	0	0
Thbs2	2	0	0	0
Wdr27	6	0	0	0
AK004434	3	0	0	0
Phf10	5	0	0	0
Psmc1	4	0	0	0
XLOC_014270	1	0	0	0
Rgmb	4	0	0	0
XLOC_014286	1	0	0	0
Zfp945	5	0	0	0
Zfp40	5	0	0	0
Zfp213	2	0	0	0
Zfp13	5	0	0	0
Mmp25	9	0	0	0
Thoc6	6	0	0	0
AK047830	3	0	0	0

Paqr4	3	0	0	0
Flywch1	6	0	0	0
Flywch2	1	0	0	0
Tceb2	2	0	0	0
Pdpk1	2	0	0	0
Atp6v0c	3	0	0	0
1600002H07Rik	2	0	0	0
Ccnf	3	0	0	0
E4f1	7	0	0	0
Mlst8	4	0	0	0
Traf7	4	0	0	0
Tsc2	7	0	0	0
Slc9a3r2	7	0	0	0
Syng3	1	0	0	0
Gfer	1	0	0	0
Tbl3	7	0	0	0
Ndufb10	1	0	0	0
Mapk8ip3	10	0	0	0
Hn1l	1	0	0	0
Tmem204	1	0	0	0
Telo2	2	0	0	0
Gnptg	4	0	0	0
Ube2i	5	0	0	0
Cacna1h	9	0	0	0
Sox8	5	0	0	0
Chtf18	3	0	0	0
Haghl	4	0	0	0
Stub1	4	0	0	0
Wdr90	7	0	0	0
Fam195a	4	0	0	0
Wfikkn1	1	0	0	0
Rab40c	3	0	0	0
Pigq	4	0	0	0
Rab11fip3	3	0	0	0
Decr2	5	0	0	0
Itfg3	10	0	0	0
Dusp1	2	0	0	0
Cuta	4	0	0	0
Lemd2	5	0	0	0
AK038843	1	0	0	0
Grm4	4	0	0	0
AI413582	1	0	0	0
Nudt3	10	0	0	0
Spdef	1	0	0	0
D17Wsu92e	4	0	0	0
Taf11	4	0	0	0
4930526A20Rik	1	0	0	0

Srpk1	2	0	0	0
XLOC_014361	3	0	0	0
Slc26a8	10	0	0	0
Stk38	10	0	0	0
LOC100499420	1	0	0	0
Cpne5	7	0	0	0
Ppil1	1	0	0	0
Mtch1	8	0	0	0
1110021J02Rik	3	0	0	0
Mdga1	6	0	0	0
Btbd9	9	0	0	0
Glo1	4	0	0	0
Cbs	2	0	0	0
U2af1	6	0	0	0
Sik1	2	0	0	0
Hsf2bp	2	0	0	0
Wiz	10	0	0	0
Rasal3	7	0	0	0
Zfp871	3	0	0	0
Zfp811	3	0	0	0
Zfp799	1	0	0	0
XLOC_014389	1	0	0	0
Cyp4f14	2	0	0	0
Cyp4f13	7	0	0	0
Zfp763	1	0	0	0
Morc2b	1	0	0	0
Zfp955a	1	0	0	0
Zfp81	5	0	0	0
Hnrnpm	6	0	0	0
	41700	2	0	0
Angptl4	4	0	0	0
Kifc1	1	0	0	0
AK136742	3	0	0	0
H2-Ke2	1	0	0	0
B3galt4	1	0	0	0
Ring1	4	0	0	0
Brd2	8	0	0	0
H2-Aa	1	0	0	0
Btnl5	4	0	0	0
Rnf5	2	0	0	0
Egfl8	5	0	0	0
Ppt2	3	0	0	0
C4b	5	0	0	0
Skiv2l	9	0	0	0
1110038B12Rik	2	0	0	0
Ly6g6d	2	0	0	0
Csnk2b	4	0	0	0

Prrc2a	7	0	0	0
Nfkbil1	2	0	0	0
Tcf19	2	0	0	0
Ddr1	7	0	0	0
Tubb5	3	0	0	0
Atat1	6	0	0	0
Mrps18b	3	0	0	0
Prr3	5	0	0	0
H2-T23	3	0	0	0
H2-T9	3	0	0	0
H2-T10	4	0	0	0
Trim39	3	0	0	0
H2-M10.2	1	0	0	0
H2-M1	7	0	0	0
Trim15	3	0	0	0
Ppp1r11	5	0	0	0
Znrd1	3	0	0	0
Crisp1	2	0	0	0
9130008F23Rik	1	0	0	0
Cenpq	1	0	0	0
Cd2ap	4	0	0	0
Mep1a	1	0	0	0
XLOC_014477	5	0	0	0
Enpp4	4	0	0	0
Cdc5l	9	0	0	0
Tmem151b	5	0	0	0
Hsp90ab1	2	0	0	0
Gm7325	2	0	0	0
Tmem63b	9	0	0	0
Vegfa	4	0	0	0
Rsph9	1	0	0	0
Mad2l1bp	2	0	0	0
Polh	2	0	0	0
Polr1c	1	0	0	0
Tjap1	10	0	0	0
Abcc10	8	0	0	0
Ttbk1	3	0	0	0
Cul9	2	0	0	0
Srf	3	0	0	0
Ptk7	5	0	0	0
Klc4	6	0	0	0
Ppp2r5d	1	0	0	0
Cnpy3	3	0	0	0
Rpl7l1	1	0	0	0
BC032203	4	0	0	0
Ubr2	9	0	0	0
Taf8	2	0	0	0



Bysl	1	0	0	0
XLOC_014517	1	0	0	0
Prickle4	4	0	0	0
Mdfi	2	0	0	0
Foxp4	13	0	0	0
Nfya	6	0	0	0
Apobec2	1	0	0	0
Daam2	8	0	0	0
Rftn1	5	0	0	0
Tbc1d5	5	0	0	0
Satb1	8	0	0	0
Mrps36-ps1	1	0	0	0
Sh3gl1	1	0	0	0
Ubxn6	2	0	0	0
Lrg1	1	0	0	0
D17Wsu104e	1	0	0	0
Dpp9	4	0	0	0
Ticam1	1	0	0	0
Plin3	2	0	0	0
Ptpns	8	0	0	0
Safb2	5	0	0	0
2410015M20Rik	1	0	0	0
Lonp1	3	0	0	0
Vmac	1	0	0	0
Nrtn	1	0	0	0
Rfx2	7	0	0	0
Mllt1	2	0	0	0
Khsrp	5	0	0	0
Slc25a23	5	0	0	0
Tubb4	1	0	0	0
Gm11110	3	0	0	0
C3	4	0	0	0
Gpr108	7	0	0	0
2610034M16Rik	1	0	0	0
Nudt12	2	0	0	0
Efna5	6	0	0	0
Pja2	2	0	0	0
Tmem232	1	0	0	0
Vapa	5	0	0	0
Rab31	4	0	0	0
Ralbp1	3	0	0	0
Twsg1	2	0	0	0
Ankrd12	3	0	0	0
Ndufv2	3	0	0	0
XLOC_014582	3	0	0	0
Gm10495	1	0	0	0
Rab12	2	0	0	0

Ptprm	6	0	0	0
Arhgap28	9	0	0	0
Myl12b	3	0	0	0
Smchd1	5	0	0	0
Trmt61b	2	0	0	0
XLOC_014604	2	0	0	0
Xdh	4	0	0	0
Memo1	8	0	0	0
Dpy30	3	0	0	0
Fam98a	1	0	0	0
Fez2	3	0	0	0
Strn	2	0	0	0
Heatr5b	2	0	0	0
Cebpz	3	0	0	0
Prkd3	1	0	0	0
Cdc42ep3	1	0	0	0
Hnrpll	3	0	0	0
Srsf7	2	0	0	0
Dhx57	9	0	0	0
Sos1	3	0	0	0
Map4k3	10	0	0	0
Thumpd2	5	0	0	0
Cox7a2l	2	0	0	0
XLOC_014639	6	0	0	0
Lrpprc	7	0	0	0
1110020A21Rik	1	0	0	0
Prepl	2	0	0	0
Six2	1	0	0	0
Mcfd2	2	0	0	0
XLOC_014658	2	0	0	0
Fbxo11	5	0	0	0
Nrxn1	14	0	0	0
Mettl4	3	0	0	0
Tiam2	6	0	0	0
XLOC_013766	1	0	0	0
1600012H06Rik	1	0	0	0
2210404J11Rik	2	0	0	0
Tbp	6	0	0	0
Zfp53	2	0	0	0
KRAZ1	2	0	0	0
Zfp52	1	0	0	0
3110052M02Rik	3	0	0	0
Zfp760	5	0	0	0
XLOC_013840	1	0	0	0
mKIAA1306	3	0	0	0
Pkd1	6	0	0	0
Spsb3	1	0	0	0

0610007P22Rik	2	0	0	0
Gng13	1	0	0	0
Bnip1	1	0	0	0
Snrpc	5	0	0	0
XLOC_013911	2	0	0	0
Brpf3	4	0	0	0
AK133808	1	0	0	0
H2-DMa	3	0	0	0
Gpsm3	1	0	0	0
Zbtb12	2	0	0	0
Clic1	4	0	0	0
2410017I17Rik	1	0	0	0
XLOC_014026	1	0	0	0
XLOC_014054	2	0	0	0
Mrpl14	1	0	0	0
Med20	1	0	0	0
Frs3	2	0	0	0
XLOC_014093	3	0	0	0
AK038632	1	0	0	0
Tmem146	8	0	0	0
Fert2	7	0	0	0
XLOC_014140	4	0	0	0
C030034I22Rik	1	0	0	0
1700106N22Rik	3	0	0	0
XLOC_014209	4	0	0	0
XLOC_014230	1	0	0	0
AK037830	3	0	0	0
XLOC_014258	1	0	0	0
AK143195	1	0	0	0
Tcte3	1	0	0	0
Pdcd2	2	0	0	0
Zfp942	1	0	0	0
XLOC_014295	1	0	0	0
Kremen2	1	0	0	0
Amdhd2	3	0	0	0
Nubp2	3	0	0	0
Rhbd11	3	0	0	0
Solh	7	0	0	0
Nme4	2	0	0	0
Pdia2	5	0	0	0
AK036033	3	0	0	0
Tcp11	2	0	0	0
Tead3	5	0	0	0
Wdr4	6	0	0	0
Rab11b	7	0	0	0
Rps18	3	0	0	0
H2-Ke6	7	0	0	0

Psmb9	3	0	0	0
Stk19	3	0	0	0
Gtf2h4	1	0	0	0
2310061I04Rik	3	0	0	0
H2-T24	1	0	0	0
Gnmt	3	0	0	0
A330017A19Rik	1	0	0	0
XLOC_014583	1	0	0	0
Alk	5	0	0	0
Galnt14	5	0	0	0
AK144664	1	0	0	0
XLOC_014636	1	0	0	0
XLOC_014640	1	0	0	0
XLOC_014641	1	0	0	0
XLOC_014653	2	0	0	0
Lhcgr	8	0	0	0
T2	2	0	0	0
AK029100	2	0	0	0
XLOC_013824	1	0	0	0
Zfp758	1	0	0	0
AK079285	1	0	0	0
Mslnl	4	0	0	0
XLOC_013907	1	0	0	0
XLOC_013933	1	0	0	0
Dnahc8	2	0	0	0
BC048393	1	0	0	0
Cyp4f15	2	0	0	0
Notch4	1	0	0	0
Dom3z	1	0	0	0
XLOC_013989	1	0	0	0
Ltb	2	0	0	0
Gm6034	1	0	0	0
3110082D06Rik	3	0	0	0
B230354K17Rik	1	0	0	0
AK080425	2	0	0	0
XLOC_014072	1	0	0	0
XLOC_014082	1	0	0	0
XLOC_014088	1	0	0	0
Kif6	1	0	0	0
Ebi3	3	0	0	0
XLOC_014134	1	0	0	0
XLOC_014144	1	0	0	0
XLOC_014203	1	0	0	0
BC068229	2	0	0	0
Lnpep	3	0	0	0
Gm4769	2	0	0	0
Dnase1l2	1	0	0	0

AK014798	1	0	0	0
Cramp1l	5	0	0	0
2900010M23Rik	1	0	0	0
XLOC_014368	3	0	0	0
Btnl6	6	0	0	0
C4a	2	0	0	0
D17H6S56E-5	1	0	0	0
Msh5	3	0	0	0
Lst1	1	0	0	0
H2-M5	2	0	0	0
AK132380	1	0	0	0
Slc25a27	4	0	0	0
XLOC_014524	4	0	0	0
Zfp119	3	0	0	0
Stap2	4	0	0	0
XLOC_014584	1	0	0	0
XLOC_014592	1	0	0	0
Emilin2	2	0	0	0
Ndc80	3	0	0	0
XLOC_014635	1	0	0	0
XLOC_014637	1	0	0	0
Kcng3	2	0	0	0
Calm2	1	0	0	0
XLOC_014665	2	0	0	0
2610044O15Rik	4	0	0	0
Zfp960	1	0	0	0
Fpr2	1	0	0	0
Zfp54	4	0	0	0
Zfp51	1	0	0	0
Zfp229	1	0	0	0
XLOC_013842	1	0	0	0
Hmga1	1	0	0	0
XLOC_013965	2	0	0	0
Trim10	3	0	0	0
Gm7148	1	0	0	0
XLOC_014065	1	0	0	0
Mocs1	1	0	0	0
Crb3	1	0	0	0
XLOC_014132	1	0	0	0
Man2a1	2	0	0	0
1700090G07Rik	4	0	0	0
XLOC_014214	1	0	0	0
XLOC_014287	1	0	0	0
XLOC_014288	1	0	0	0
D330041H03Rik	1	0	0	0
Ephx3	3	0	0	0
H2-T22	1	0	0	0

Tdrd6	1	0	0	0
Ptcra	3	0	0	0
XLOC_014550	2	0	0	0
XLOC_014605	1	0	0	0
Thada	1	0	0	0
XLOC_014662	1	0	0	0
XLOC_013808	1	0	0	0
XLOC_013834	1	0	0	0
XLOC_013841	1	0	0	0
Ccdc64b	1	0	0	0
Neurl1b	1	0	0	0
Cyp4f17	1	0	0	0
XLOC_013982	1	0	0	0
Hspa1l	1	0	0	0
Gpank1	4	0	0	0
Rnf39	1	0	0	0
Uhrf1	2	0	0	0
XLOC_014115	1	0	0	0
Morn2	1	0	0	0
XLOC_014247	1	0	0	0
Has1	1	0	0	0
Fpr1	1	0	0	0
Cyp4f41-ps	1	0	0	0
Zfp422-rs1	1	0	0	0
Rpp21	1	0	0	0
XLOC_014466	1	0	0	0
XLOC_014482	2	0	0	0
AK044644	1	0	0	0
Sfrs7	2	0	0	0
XLOC_013790	1	0	0	0
BC002059	1	0	0	0
XLOC_013910	1	0	0	0
XLOC_013921	1	0	0	0
XLOC_014028	1	0	0	0
RP23-98F21.10	1	0	0	0
Guca1b	1	0	0	0
Trem1	1	0	0	0
mKIAA0007	1	0	0	0
XLOC_014188	1	0	0	0
XLOC_014189	1	0	0	0
Mas1	1	0	0	0
Dll1	1	0	0	0
Rab26	1	0	0	0
XLOC_014494	1	0	0	0
AK135560	1	0	0	0
XLOC_014651	1	0	0	0
Cul2	3	0	0	0

Bambi	2	0	0	0
AK014726	3	0	0	0
Mtpap	3	0	0	0
9430020K01Rik	1	0	0	0
Zeb1	5	0	0	0
Rab18	3	0	0	0
XLOC_015608	2	0	0	0
Wac	5	0	0	0
Snrpd1	2	0	0	0
Rbbp8	8	0	0	0
XLOC_015615	2	0	0	0
Cables1	5	0	0	0
XLOC_015618	1	0	0	0
Riok3	6	0	0	0
3110002H16Rik	4	0	0	0
Ttc39c	5	0	0	0
Cabyr	5	0	0	0
Impact	3	0	0	0
XLOC_015626	2	0	0	0
Taf4b	2	0	0	0
Gm4835	3	0	0	0
Dsg1b	1	0	0	0
Ttr	1	0	0	0
Asxl3	3	0	0	0
Dtna	7	0	0	0
Mapre2	2	0	0	0
Zfp397	4	0	0	0
2700062C07Rik	7	0	0	0
Elp2	4	0	0	0
Mocos	6	0	0	0
Pik3c3	2	0	0	0
XLOC_015653	2	0	0	0
Sap130	5	0	0	0
Ammecr1l	5	0	0	0
Polr2d	1	0	0	0
Iws1	4	0	0	0
Ercc3	2	0	0	0
Bin1	8	0	0	0
Wdr36	4	0	0	0
AK010403	1	0	0	0
Apc	6	0	0	0
Srp19	1	0	0	0
Fam53c	8	0	0	0
Kdm3b	3	0	0	0
Reep2	2	0	0	0
Ctnna1	7	0	0	0
Matr3	5	0	0	0

Ube2d2	5	0	0	0
Cxxc5	5	0	0	0
0610010012Rik	8	0	0	0
Tmco6	2	0	0	0
Ik	5	0	0	0
Wdr55	2	0	0	0
Hars2	1	0	0	0
Zmat2	1	0	0	0
Pcdha2	4	0	0	0
Pcdhb4	1	0	0	0
Pcdhb5	1	0	0	0
Pcdhb7	1	0	0	0
Pcdhb9	1	0	0	0
Pcdhb10	1	0	0	0
Pcdhb12	1	0	0	0
Pcdhb13	1	0	0	0
Pcdhb15	1	0	0	0
Pcdhga3	1	0	0	0
Pcdhgc3	1	0	0	0
Rel2	1	0	0	0
XLOC_015708	5	0	0	0
XLOC_015709	6	0	0	0
0610009020Rik	8	0	0	0
XLOC_015713	1	0	0	0
Rnf14	4	0	0	0
XLOC_015714	2	0	0	0
Ndfip1	3	0	0	0
Arhgap26	5	0	0	0
mKIAA1317	5	0	0	0
Kctd16	1	0	0	0
Rbm27	4	0	0	0
Pou4f3	2	0	0	0
Tcerg1	5	0	0	0
Stk32a	3	0	0	0
Dcp2	2	0	0	0
Ythdc2	5	0	0	0
Kcnn2	5	0	0	0
Ap3s1	6	0	0	0
Commd10	4	0	0	0
Dmxl1	8	0	0	0
Hsd17b4	1	0	0	0
Cd63-ps	1	0	0	0
Prr16	3	0	0	0
Srfbp1	1	0	0	0
Sncaip	2	0	0	0
Snx24	1	0	0	0
Csnk1g3	7	0	0	0



AK036466	4	0	0	0
XLOC_015755	2	0	0	0
Gramd3	2	0	0	0
Phax	2	0	0	0
Lmnb1	2	0	0	0
Prrc1	2	0	0	0
Ctxn3	8	0	0	0
Gm17593	1	0	0	0
Isoc1	3	0	0	0
A730017C20Rik	7	0	0	0
Chsy3	3	0	0	0
Iigp1	3	0	0	0
Dctn4	1	0	0	0
Rbm22	2	0	0	0
Rps14	7	0	0	0
Camk2a	4	0	0	0
Pdgfrb	5	0	0	0
Csf1r	4	0	0	0
AK032118	1	0	0	0
Csnk1a1	7	0	0	0
AK143260	6	0	0	0
1500015A07Rik	1	0	0	0
Sh3tc2	4	0	0	0
Htr4	6	0	0	0
Spink10	6	0	0	0
Apcdd1	2	0	0	0
Napg	1	0	0	0
Onecut2	2	0	0	0
Nedd4l	11	0	0	0
mKIAA1629	10	0	0	0
Sec11c	1	0	0	0
Pmaip1	2	0	0	0
Gnal	5	0	0	0
Impa2	2	0	0	0
Cidea	1	0	0	0
Tubb6	1	0	0	0
Psmg2	2	0	0	0
Cep192	9	0	0	0
D18Ert653e	5	0	0	0
Rnmt	4	0	0	0
Tcf4	8	0	0	0
Ccdc68	4	0	0	0
Mbd2	4	0	0	0
Mro	10	0	0	0
AK036329	3	0	0	0
Cxxc1	3	0	0	0
Mbd1	6	0	0	0

Acaa2	3	0	0	0
BC031181	3	0	0	0
Dym	5	0	0	0
Smad7	1	0	0	0
Zbtb7c	4	0	0	0
Skor2	5	0	0	0
Ier3ip1	1	0	0	0
Hdhd2	3	0	0	0
Atp5a1	6	0	0	0
Pstpip2	3	0	0	0
5430411K18Rik	5	0	0	0
Pard6g	1	0	0	0
Txn14a	3	0	0	0
XLOC_015853	2	0	0	0
Zfp516	6	0	0	0
XLOC_015858	2	0	0	0
Zadh2	3	0	0	0
Cyb5	1	0	0	0
Neto1	3	0	0	0
Cbln2	5	0	0	0
Tmx3	2	0	0	0
Crem	7	0	0	0
Map3k8	6	0	0	0
cot	1	0	0	0
Arhgap12	9	0	0	0
Kif5b	7	0	0	0
Epc1	4	0	0	0
Mkx	3	0	0	0
Ccny	1	0	0	0
Rock1	8	0	0	0
Abhd3	1	0	0	0
BC030050	1	0	0	0
6030446N20Rik	2	0	0	0
Npc1	1	0	0	0
Ankrd29	4	0	0	0
Osbpl1a	8	0	0	0
Zfp521	7	0	0	0
Ss18	8	0	0	0
Kctd1	4	0	0	0
Aqp4	3	0	0	0
Chst9	3	0	0	0
B4galt6	4	0	0	0
Trappc8	7	0	0	0
Fam59a	4	0	0	0
XLOC_015910	2	0	0	0
Zfp397os	4	0	0	0
Zfp191	3	0	0	0

Ino80c	2	0	0	0
Rprd1a	3	0	0	0
Slc39a6	2	0	0	0
5730494M16Rik	1	0	0	0
Celf4	14	0	0	0
XLOC_015919	2	0	0	0
Rit2	2	0	0	0
Syt4	6	0	0	0
Slc25a46	5	0	0	0
Gypc	1	0	0	0
Stard4	3	0	0	0
D0H4S114	2	0	0	0
Epb4.1l4a	7	0	0	0
Reep5	1	0	0	0
Fam13b	12	0	0	0
Nme5	5	0	0	0
Cdc23	1	0	0	0
Gfra3	4	0	0	0
Etf1	1	0	0	0
Hspa9	6	0	0	0
XLOC_015948	2	0	0	0
Lrrtm2	1	0	0	0
Sil1	4	0	0	0
Spata24	3	0	0	0
Dnajc18	2	0	0	0
Ecscr	5	0	0	0
Nrg2	7	0	0	0
Hbegf	1	0	0	0
Apbb3	5	0	0	0
E230025N22Rik	1	0	0	0
Ndufa2	1	0	0	0
Taf7	1	0	0	0
Hdac3	1	0	0	0
Fchsd1	4	0	0	0
XLOC_015982	1	0	0	0
Spry4	3	0	0	0
Fgf1	10	0	0	0
Nr3c1	4	0	0	0
Yipf5	2	0	0	0
Preli2	6	0	0	0
Grxcr2	2	0	0	0
Lars	2	0	0	0
Ppp2r2b	8	0	0	0
Dpysl3	3	0	0	0
Jakmip2	6	0	0	0
Mcc	6	0	0	0
Trim36	11	0	0	0

Pggt1b		3	0	0	0
Ccdc112		2	0	0	0
Fem1c		1	0	0	0
Tmed7		1	0	0	0
Cdo1		1	0	0	0
Atg12		5	0	0	0
Sema6a		8	0	0	0
Ppic		2	0	0	0
Cep120		2	0	0	0
Aldh7a1		3	0	0	0
	41701	2	0	0	0
Fbn2		3	0	0	0
2010002N04Rik		3	0	0	0
Synpo		10	0	0	0
Ndst1		5	0	0	0
Hmgxb3		3	0	0	0
Slc26a2		3	0	0	0
Ppargc1b		3	0	0	0
Pcyox1l		5	0	0	0
Grpel2		4	0	0	0
Afap1l1		2	0	0	0
Ablim3		7	0	0	0
Adrb2		1	0	0	0
Fbxo38		7	0	0	0
2700046A07Rik		1	0	0	0
Fam38b		13	0	0	0
Txn1l		3	0	0	0
BC048666		1	0	0	0
Fech		5	0	0	0
Nars		4	0	0	0
Lman1		3	0	0	0
Afg3l2		5	0	0	0
Spire1		4	0	0	0
Ptpn2		5	0	0	0
4933403F05Rik		1	0	0	0
Rab27b		5	0	0	0
4930503L19Rik		6	0	0	0
Smad4		2	0	0	0
Elac1		4	0	0	0
Me2		2	0	0	0
Mapk4		6	0	0	0
XLOC_016067		1	0	0	0
Gm672		12	0	0	0
XLOC_016078		11	0	0	0
Katnal2		9	0	0	0
Rnf165		1	0	0	0
8030462N17Rik		3	0	0	0

A330094K24Rik	5	0	0	0
Slc14a1	4	0	0	0
Adnp2	3	0	0	0
Rbfa	3	0	0	0
Hsbp1l1	2	0	0	0
Kcng2	4	0	0	0
Ctdp1	3	0	0	0
Nfatc1	7	0	0	0
Atp9b	13	0	0	0
Zfp236	9	0	0	0
Tshz1	2	0	0	0
Cndp1	2	0	0	0
Cndp2	2	0	0	0
1700034H14Rik	6	0	0	0
Dok6	3	0	0	0
XLOC_015605	1	0	0	0
Thoc1	3	0	0	0
Slc4a9	2	0	0	0
Pcdhac2	1	0	0	0
9630014M24Rik	6	0	0	0
Gm5820	1	0	0	0
A930012L18Rik	2	0	0	0
AK163160	2	0	0	0
XLOC_015756	4	0	0	0
Il17b	1	0	0	0
XLOC_015825	2	0	0	0
Pqlc1	3	0	0	0
Mbp	8	0	0	0
Usp14	5	0	0	0
4933408B17Rik	2	0	0	0
Pfdn1	2	0	0	0
Gnpda1	3	0	0	0
41701	2	0	0	0
Alpk2	1	0	0	0
Ska1	1	0	0	0
XLOC_016077	1	0	0	0
Cis4	3	0	0	0
Gm7701	1	0	0	0
Map3k2	3	0	0	0
Pkd2l2	6	0	0	0
Psd2	1	0	0	0
Pura	3	0	0	0
XLOC_015684	1	0	0	0
XLOC_015728	4	0	0	0
XLOC_015754	3	0	0	0
Megf10	2	0	0	0
Gm4951	2	0	0	0

BC023105	1	0	0	0
XLOC_015783	1	0	0	0
XLOC_015817	1	0	0	0
XLOC_015845	1	0	0	0
XLOC_015856	1	0	0	0
XLOC_015870	1	0	0	0
XLOC_015872	1	0	0	0
XLOC_015932	1	0	0	0
Cdc25c	2	0	0	0
Cd14	2	0	0	0
XLOC_015976	1	0	0	0
XLOC_015981	2	0	0	0
Lox	1	0	0	0
Lipg	4	0	0	0
XLOC_016075	1	0	0	0
Slc14a2	1	0	0	0
XLOC_016088	2	0	0	0
XLOC_016096	1	0	0	0
XLOC_015625	1	0	0	0
XLOC_015631	2	0	0	0
Rnf125	2	0	0	0
XLOC_015662	1	0	0	0
XLOC_015669	1	0	0	0
Slc35a4	1	0	0	0
XLOC_015799	2	0	0	0
XLOC_015839	2	0	0	0
XLOC_015863	1	0	0	0
BC062254	1	0	0	0
Dsc2	1	0	0	0
Gm4013	1	0	0	0
XLOC_016002	1	0	0	0
2310002L13Rik	1	0	0	0
Setbp1	3	0	0	0
XLOC_015622	1	0	0	0
XLOC_015624	1	0	0	0
TRIF	1	0	0	0
XLOC_015646	1	0	0	0
XLOC_015739	1	0	0	0
XLOC_015794	1	0	0	0
5330437I02Rik	1	0	0	0
XLOC_015893	1	0	0	0
Mppe1	1	0	0	0
Gm6225	1	0	0	0
XLOC_015679	1	0	0	0
XLOC_015724	1	0	0	0
XLOC_015764	1	0	0	0
Stard6	1	0	0	0

Fbxo15	1	0	0	0
XLOC_015940	1	0	0	0
XLOC_015988	3	0	0	0
Atp8b1	1	0	0	0
Mc4r	1	0	0	0
XLOC_016071	1	0	0	0
Siglec15	1	0	0	0
Mrpl21	2	0	0	0
Cpt1a	5	0	0	0
1810055G02Rik	2	0	0	0
XLOC_016695	2	0	0	0
Suv420h1	4	0	0	0
Chka	5	0	0	0
XLOC_016696	1	0	0	0
Doc2g	6	0	0	0
Cdk2ap2	2	0	0	0
Pitpnm1	4	0	0	0
Coro1b	5	0	0	0
Ppp1ca	6	0	0	0
Pold4	1	0	0	0
XLOC_016711	3	0	0	0
Pcx	2	0	0	0
Spnb3	6	0	0	0
Rbm4b	4	0	0	0
Ccdc87	1	0	0	0
Zdhhc24	3	0	0	0
Mrpl11	3	0	0	0
Slc29a2	1	0	0	0
B3gnt1	2	0	0	0
Cd248	1	0	0	0
Gal3st3	2	0	0	0
Eif1ad	1	0	0	0
Bles03	1	0	0	0
A1837181	1	0	0	0
Fosl1	4	0	0	0
Fibp	5	0	0	0
Efemp2	4	0	0	0
Cfl1	2	0	0	0
Gm962	1	0	0	0
XLOC_016735	1	0	0	0
Rnaseh2c	4	0	0	0
Rela	4	0	0	0
Ltbp3	7	0	0	0
Slc25a45	4	0	0	0
Batf2	1	0	0	0
Ehd1	1	0	0	0
Cdc42bpg	7	0	0	0

Men1	4	0	0	0
Map4k2	2	0	0	0
Sf1	4	0	0	0
Pygm	4	0	0	0
Rasgrp2	8	0	0	0
Ppp1r14b	3	0	0	0
Trpt1	5	0	0	0
Rcor2	2	0	0	0
Pla2g16	2	0	0	0
XLOC_016767	5	0	0	0
XLOC_016768	1	0	0	0
Wdr74	3	0	0	0
Stx5a	4	0	0	0
Nxf1	6	0	0	0
Zbtb3	3	0	0	0
Hnrnpul2	3	0	0	0
Ubxn1	2	0	0	0
1810009A15Rik	3	0	0	0
Eml3	4	0	0	0
Eef1g	10	0	0	0
Fth1	6	0	0	0
Fads3	2	0	0	0
Fads1	1	0	0	0
1810006K21Rik	2	0	0	0
Syt7	6	0	0	0
Cpsf7	5	0	0	0
Cybasc3	2	0	0	0
Ddb1	2	0	0	0
Vps37c	4	0	0	0
Prpf19	5	0	0	0
4930526L06Rik	1	0	0	0
XLOC_016800	2	0	0	0
Mrpl16	1	0	0	0
Patl1	2	0	0	0
Osbp	4	0	0	0
Gm4952	1	0	0	0
Glyat	3	0	0	0
Lpxn	3	0	0	0
Gnaq	6	0	0	0
Rfk	3	0	0	0
2410127L17Rik	4	0	0	0
D030056L22Rik	2	0	0	0
Zfand5	7	0	0	0
Fam108b	4	0	0	0
Tmem2	3	0	0	0
Trpm3	8	0	0	0
Klf9	4	0	0	0



Gm9493		1	0	0	0
Ptar1		4	0	0	0
E030010A14Rik		1	0	0	0
Kank1		8	0	0	0
Vldlr		7	0	0	0
Slc1a1		3	0	0	0
Cdc37l1		3	0	0	0
Rcl1		4	0	0	0
Jak2		3	0	0	0
Cd274		4	0	0	0
C030046E11Rik		4	0	0	0
Uhrf2		4	0	0	0
Mbl2		1	0	0	0
Cstf2t		1	0	0	0
Minpp1		3	0	0	0
Lipn		4	0	0	0
Stambpl1		7	0	0	0
Ifit2		6	0	0	0
Ifit3		3	0	0	0
I830012O16Rik		2	0	0	0
Ifit1		2	0	0	0
Kif20b		7	0	0	0
Rpp30		4	0	0	0
Pcgf5		5	0	0	0
Hectd2		7	0	0	0
Tnks2		4	0	0	0
Btaf1		6	0	0	0
	41703	2	0	0	0
Hhex		2	0	0	0
Exoc6		4	0	0	0
Cyp26c1		1	0	0	0
XLOC_016887		2	0	0	0
Tmem20		1	0	0	0
Pfce1		6	0	0	0
Tbc1d12		3	0	0	0
XLOC_016897		1	0	0	0
Entpd1		3	0	0	0
Zfp518a		7	0	0	0
Gm9788		1	0	0	0
Lcor		5	0	0	0
Frat1		1	0	0	0
Zdhhc16		5	0	0	0
Ubtd1		7	0	0	0
Pi4k2a		1	0	0	0
Marveld1		1	0	0	0
Zfyve27		3	0	0	0
Golga7b		2	0	0	0

D19Ert386e	3	0	0	0
Gm6776	1	0	0	0
Cnm1	2	0	0	0
AK076978	1	0	0	0
Entpd7	1	0	0	0
Scd2	7	0	0	0
Hif1an	1	0	0	0
Pax2	2	0	0	0
Fam178a	5	0	0	0
Lzts2	3	0	0	0
Sfxn3	3	0	0	0
Kazald1	6	0	0	0
XLOC_016935	6	0	0	0
Btrc	5	0	0	0
Dpcd	1	0	0	0
Pprc1	9	0	0	0
Nolc1	3	0	0	0
Nfkb2	2	0	0	0
Sufu	3	0	0	0
Trim8	4	0	0	0
Sfxn2	7	0	0	0
D19Wsu162e	4	0	0	0
2010012005Rik	2	0	0	0
XLOC_016954	2	0	0	0
Ina	1	0	0	0
Taf5	1	0	0	0
Pdcd11	4	0	0	0
Neur1a	4	0	0	0
Slk	8	0	0	0
6330577E15Rik	3	0	0	0
Gsto1	2	0	0	0
Ccdc147	5	0	0	0
Sorcs3	1	0	0	0
Mxi1	6	0	0	0
Dusp5	4	0	0	0
XLOC_016971	5	0	0	0
Smc3	1	0	0	0
Pdcd4	2	0	0	0
Shoc2	3	0	0	0
XLOC_016974	2	0	0	0
Acsl5	2	0	0	0
Vti1a	3	0	0	0
Casp7	1	0	0	0
Fam160b1	1	0	0	0
Trub1	1	0	0	0
Atrnl1	7	0	0	0
Eno4	3	0	0	0

XLOC_016995	4	0	0	0
Nanos1	1	0	0	0
Fam45a	3	0	0	0
Grk5	1	0	0	0
Ighmbp2	4	0	0	0
Ppp6r3	9	0	0	0
Lrp5	4	0	0	0
AK144662	1	0	0	0
XLOC_017008	1	0	0	0
Tcirg1	7	0	0	0
Ndufs8	4	0	0	0
Aip	2	0	0	0
Rps6kb2	4	0	0	0
Tbc1d10c	6	0	0	0
Ankrd13d	10	0	0	0
Adrbk1	5	0	0	0
Kdm2a	5	0	0	0
Rhod	2	0	0	0
Syt12	2	0	0	0
2010003K11Rik	1	0	0	0
Lrfn4	3	0	0	0
Rbm4	3	0	0	0
Rbm14	1	0	0	0
Ccs	1	0	0	0
Bbs1	5	0	0	0
Dpp3	5	0	0	0
Peli3	3	0	0	0
Klc2	5	0	0	0
Sf3b2	7	0	0	0
Cst6	1	0	0	0
Banf1	4	0	0	0
Sart1	4	0	0	0
Drap1	6	0	0	0
Ccdc85b	1	0	0	0
Snx32	4	0	0	0
Kat5	6	0	0	0
Pcnx13	8	0	0	0
Ehbp111	6	0	0	0
Sssca1	3	0	0	0
Scyl1	7	0	0	0
AK197973	3	0	0	0
Tigd3	2	0	0	0
Cdc42ep2	1	0	0	0
Pola2	7	0	0	0
Capn1	4	0	0	0
Mrpl49	2	0	0	0
1110014N23Rik	5	0	0	0

Zfp1	2	0	0	0
Sac3d1	2	0	0	0
Snx15	3	0	0	0
Arl2	4	0	0	0
Ppp2r5b	7	0	0	0
Gm14966	1	0	0	0
Rps6ka4	2	0	0	0
Esrra	3	0	0	0
Kcnk4	6	0	0	0
Fkbp2	4	0	0	0
Vegfb	12	0	0	0
Stip1	1	0	0	0
Otub1	4	0	0	0
Mark2	8	0	0	0
A1846148	2	0	0	0
Rtn3	4	0	0	0
Slc3a2	4	0	0	0
Taf6l	1	0	0	0
Polr2g	4	0	0	0
Ttc9c	2	0	0	0
Gng3	6	0	0	0
A1462493	1	0	0	0
Scgb1a1	1	0	0	0
Asrgl1	1	0	0	0
Stxbp3b	1	0	0	0
Incenp	5	0	0	0
Best1	5	0	0	0
Fads2	2	0	0	0
Fen1	2	0	0	0
Gm98	5	0	0	0
Dagla	3	0	0	0
Sdhaf2	4	0	0	0
Dak	4	0	0	0
Tmem132a	4	0	0	0
Tmem109	1	0	0	0
Ccdc86	1	0	0	0
AW112010	1	0	0	0
Ms4a3	2	0	0	0
Stx3	4	0	0	0
Dtx4	4	0	0	0
A330040F15Rik	4	0	0	0
Zfp91	3	0	0	0
Tle4	6	0	0	0
Psat1	2	0	0	0
Cep78	3	0	0	0
Vps13a	6	0	0	0
XLOC_017144	5	0	0	0

Pcsk5	3	0	0	0
Ostf1	9	0	0	0
Anxa1	3	0	0	0
Aldh1a7	1	0	0	0
Tmc1	1	0	0	0
Gda	2	0	0	0
1110059E24Rik	3	0	0	0
Smc5	6	0	0	0
Fam189a2	4	0	0	0
Fxn	3	0	0	0
Pip5k1b	4	0	0	0
Cbwd1	2	0	0	0
D19Bwg1357e	2	0	0	0
Gm6788	1	0	0	0
4430402I18Rik	3	0	0	0
Ak3	1	0	0	0
Insl6	1	0	0	0
5033414D02Rik	5	0	0	0
A930007I19Rik	1	0	0	0
9930021J03Rik	9	0	0	0
Ranbp6	1	0	0	0
Gldc	3	0	0	0
Sgms1	6	0	0	0
Atad1	2	0	0	0
Rnl3	2	0	0	0
Lipo2	3	0	0	0
Acta2	1	0	0	0
Lipa	3	0	0	0
Pank1	3	0	0	0
Htr7	7	0	0	0
Cpeb3	7	0	0	0
Ide	6	0	0	0
Myof	4	0	0	0
5730455O13Rik	6	0	0	0
Noc3l	3	0	0	0
Pdlim1	4	0	0	0
Sorbs1	16	0	0	0
Aldh18a1	6	0	0	0
Tctn3	4	0	0	0
Tm9sf3	2	0	0	0
Slit1	7	0	0	0
Arhgap19	5	0	0	0
Frat2	1	0	0	0
Rrp12	2	0	0	0
Exosc1	1	0	0	0
Mms19	5	0	0	0
Morn4	1	0	0	0

Avpi1	3	0	0	0
Sfrp5	3	0	0	0
Crtac1	2	0	0	0
Loxl4	4	0	0	0
Got1	1	0	0	0
Slc25a28	3	0	0	0
Cox15	2	0	0	0
Cpn1	2	0	0	0
Erlin1	4	0	0	0
Chuk	5	0	0	0
Cwf19l1	5	0	0	0
Bloc1s2	6	0	0	0
XLOC_017240	2	0	0	0
Scd1	5	0	0	0
Ndufb8	6	0	0	0
Mrpl43	1	0	0	0
Pdzd7	4	0	0	0
Poll	2	0	0	0
Fbxw4	5	0	0	0
Npm3	3	0	0	0
Mgea5	6	0	0	0
Kcnip2	2	0	0	0
9130011E15Rik	4	0	0	0
Ldb1	7	0	0	0
Psd	8	0	0	0
Cuedc2	3	0	0	0
Actr1a	4	0	0	0
Nt5c2	3	0	0	0
Usmg5	2	0	0	0
Calhm2	1	0	0	0
Sh3pxd2a	4	0	0	0
Obfc1	3	0	0	0
Itrip	2	0	0	0
Rpl13a-ps1	1	0	0	0
Sorcs1	5	0	0	0
Xpnpep1	4	0	0	0
Smndc1	4	0	0	0
5830416P10Rik	4	0	0	0
XLOC_017276	1	0	0	0
Gpam	7	0	0	0
Nrap	1	0	0	0
Dclre1a	4	0	0	0
A630007B06Rik	4	0	0	0
Afap1l2	6	0	0	0
XLOC_017287	1	0	0	0
Ablim1	7	0	0	0
AK045643	6	0	0	0

GDNFR-alpha	6	0	0	0
Hspa12a	4	0	0	0
4930506M07Rik	6	0	0	0
Pdzd8	3	0	0	0
Rab11fip2	6	0	0	0
D19Ert737e	3	0	0	0
2700078E11Rik	4	0	0	0
Eif3a	5	0	0	0
Sfxn4	2	0	0	0
Prdx3	1	0	0	0
AK039536	4	0	0	0
Aldh3b2	1	0	0	0
Ptprcap	1	0	0	0
Yif1a	2	0	0	0
Syvn1	5	0	0	0
MacroD1	1	0	0	0
At13	3	0	0	0
XLOC_016766	1	0	0	0
Chrm1	2	0	0	0
Bscl2	2	0	0	0
Lrrn4cl	2	0	0	0
XLOC_016777	1	0	0	0
Ganab	10	0	0	0
B3gat3	3	0	0	0
Slc15a3	4	0	0	0
XLOC_016816	1	0	0	0
XLOC_016820	2	0	0	0
BC016495	2	0	0	0
Trpm6	4	0	0	0
XLOC_016834	1	0	0	0
Apba1	4	0	0	0
Dock8	6	0	0	0
Ppapdc2	1	0	0	0
Kif11	8	0	0	0
XLOC_016900	4	0	0	0
XLOC_016934	1	0	0	0
XLOC_016936	2	0	0	0
Fbxl15	1	0	0	0
Cnnm2	2	0	0	0
Gsto2	5	0	0	0
Rbm20	2	0	0	0
XLOC_016979	1	0	0	0
mKIAA1600	1	0	0	0
Pnlip	1	0	0	0
XLOC_017002	1	0	0	0
Gstp1	1	0	0	0
Rce1	4	0	0	0

Cnih2	2	0	0	0
Rab1b	1	0	0	0
Mus81	3	0	0	0
Malat1	1	0	0	0
Tmem138	2	0	0	0
Cd6	2	0	0	0
Rfx3	2	0	0	0
4430402I18Rik	3	0	0	0
Ermp1	4	0	0	0
Gm14446	3	0	0	0
Rbp4	1	0	0	0
Blnk	2	0	0	0
XLOC_017274	3	0	0	0
Bbip1	1	0	0	0
Gucy2g	3	0	0	0
Zdhhc6	1	0	0	0
Gfra1	1	0	0	0
Nudt8	2	0	0	0
XLOC_016733	2	0	0	0
Kcnk7	2	0	0	0
AK009639	1	0	0	0
Naaladl1	2	0	0	0
Snhg1	1	0	0	0
XLOC_016781	1	0	0	0
XLOC_016818	3	0	0	0
XLOC_016860	1	0	0	0
AK142879	2	0	0	0
XLOC_016892	1	0	0	0
AK167556	2	0	0	0
Ankrd2	1	0	0	0
XLOC_016915	2	0	0	0
Peo1	2	0	0	0
Tm7sf2	1	0	0	0
Prdx5	1	0	0	0
Rom1	1	0	0	0
XLOC_017138	3	0	0	0
Pgm5	1	0	0	0
Lipo1	4	0	0	0
AK168860	1	0	0	0
Tll2	1	0	0	0
Pkd2l1	3	0	0	0
XLOC_017247	2	0	0	0
2310034G01Rik	1	0	0	0
XLOC_016731	1	0	0	0
XLOC_016750	1	0	0	0
AK044380	1	0	0	0
XLOC_016817	1	0	0	0



XLOC_016821	1	0	0	0
XLOC_016824	1	0	0	0
XLOC_016894	2	0	0	0
XLOC_016896	1	0	0	0
XLOC_016913	1	0	0	0
Cutc	2	0	0	0
XLOC_016941	1	0	0	0
XLOC_017001	3	0	0	0
Rad9	2	0	0	0
Actn3	1	0	0	0
Ctsw	2	0	0	0
Gpr137	2	0	0	0
AK089615	2	0	0	0
XLOC_017291	1	0	0	0
1700019N19Rik	1	0	0	0
AK028012	2	0	0	0
2700046G09Rik	1	0	0	0
XLOC_016866	1	0	0	0
XLOC_016879	1	0	0	0
Lgi1	2	0	0	0
AA387883	1	0	0	0
Gm16277	1	0	0	0
XLOC_016991	2	0	0	0
XLOC_017026	1	0	0	0
AK134945	2	0	0	0
Ms4a14	2	0	0	0
Mtl5	1	0	0	0
XLOC_016710	1	0	0	0
Cdca5	1	0	0	0
Ms4a4b	1	0	0	0
XLOC_016813	1	0	0	0
XLOC_016839	1	0	0	0
Sema4g	4	0	0	0
XLOC_016966	1	0	0	0
XLOC_017036	1	0	0	0
XLOC_017139	1	0	0	0
XLOC_017248	1	0	0	0
XLOC_017270	1	0	0	0
XLOC_017290	1	0	0	0
Fam171a1	5	0	0	0
Nmt2	4	0	0	0
Dclre1c	3	0	0	0
Cdnf	4	0	0	0
Fam107b	4	0	0	0
Frmd4a	11	0	0	0
Phyh	1	0	0	0
Upf2	4	0	0	0

Usp6nl	7	0	0	0
Sfmbt2	2	0	0	0
Prkcq	4	0	0	0
Ankrd16	8	0	0	0
Pter	2	0	0	0
Stam	4	0	0	0
Cacnb2	4	0	0	0
Arl5b	3	0	0	0
Gm13368	1	0	0	0
Plxdc2	3	0	0	0
Commd3	2	0	0	0
Bmi1	4	0	0	0
BC061194	8	0	0	0
AK076779	9	0	0	0
Msrb2	5	0	0	0
Etl4	14	0	0	0
Gm13375	3	0	0	0
Gpr158	1	0	0	0
Apbb1ip	3	0	0	0
Acbd5	3	0	0	0
Yme1l1	6	0	0	0
Zmynd19	2	0	0	0
Pnpla7	9	0	0	0
Nelf	9	0	0	0
Nrarp	1	0	0	0
Tprn	1	0	0	0
Anapc2	1	0	0	0
Man1b1	1	0	0	0
Npdc1	3	0	0	0
Fut7	4	0	0	0
Clic3	1	0	0	0
Edf1	5	0	0	0
Kcnt1	8	0	0	0
Gpsm1	5	0	0	0
Pmpca	6	0	0	0
Egfl7	4	0	0	0
Fam69b	1	0	0	0
5930434B04Rik	4	0	0	0
Adamtsl2	8	0	0	0
BC094334	1	0	0	0
Wdr5	1	0	0	0
BC050122	3	0	0	0
Rxra	5	0	0	0
Col5a1	4	0	0	0
F730016J06Rik	3	0	0	0
Olfm1	4	0	0	0
XLOC_017966	2	0	0	0

Mrps2	1	0	0	0
Gbgt1	3	0	0	0
Ralgds	6	0	0	0
Tsc1	8	0	0	0
Ak8	3	0	0	0
Ttf1	8	0	0	0
Setx	4	0	0	0
Med27	4	0	0	0
Rapgef1	12	0	0	0
Coq4	1	0	0	0
Slc27a4	5	0	0	0
Urm1	4	0	0	0
Odf2	13	0	0	0
Gle1	2	0	0	0
Spna2	11	0	0	0
Tbc1d13	3	0	0	0
Slc39a1-ps	1	0	0	0
Endog	2	0	0	0
Lrrc8a	4	0	0	0
Fam73b	1	0	0	0
Ppp2r4	9	0	0	0
Cstad	1	0	0	0
Mettl11a	2	0	0	0
Usp20	6	0	0	0
Gpr107	3	0	0	0
Ncs1	3	0	0	0
Fubp3	8	0	0	0
Prdm12	5	0	0	0
Exosc2	2	0	0	0
Abl1	3	0	0	0
Aif1l	1	0	0	0
Nup214	4	0	0	0
Ppapdc3	1	0	0	0
Prrc2b	2	0	0	0
Pomt1	1	0	0	0
Gm13611	1	0	0	0
Ciz1	7	0	0	0
Ptges2	7	0	0	0
Naif1	2	0	0	0
Fam102a	3	0	0	0
St6galnac4	3	0	0	0
Ak1	3	0	0	0
Eng	2	0	0	0
XLOC_018024	2	0	0	0
Tor2a	1	0	0	0
XLOC_018026	2	0	0	0
Angptl2	3	0	0	0

Gm13530		1	0	0	0
Mapkap1		6	0	0	0
Hspa5		3	0	0	0
Gsn		6	0	0	0
Dab2ip		5	0	0	0
Mrrf		3	0	0	0
XLOC_018042		2	0	0	0
Rabgap1		6	0	0	0
XLOC_018045		3	0	0	0
Olfml2a		1	0	0	0
Arpc5l		1	0	0	0
Acvr2a		1	0	0	0
Mbd5		3	0	0	0
Epc2		3	0	0	0
Kif5c		8	0	0	0
Lypd6		4	0	0	0
AK045825		2	0	0	0
XLOC_018066		2	0	0	0
Tnfaip6		1	0	0	0
Gm13540		1	0	0	0
XLOC_018073		5	0	0	0
Arl6ip6		3	0	0	0
Gm13503		1	0	0	0
XLOC_018077		2	0	0	0
Galnt13		7	0	0	0
AK036371		2	0	0	0
XLOC_018081		1	0	0	0
Kcnj3		7	0	0	0
Gpd2		3	0	0	0
Galnt5		3	0	0	0
Pkp4		4	0	0	0
Dapl1		1	0	0	0
Tanc1		6	0	0	0
	41705	2	0	0	0
Tank		6	0	0	0
Psm14		3	0	0	0
Slc4a10		5	0	0	0
Gca		4	0	0	0
XLOC_018100		3	0	0	0
AK007819		1	0	0	0
Scn2a1		11	0	0	0
Csrnp3		7	0	0	0
Gm13630		5	0	0	0
Gm13602		1	0	0	0
Gm13597		1	0	0	0
Lass6		2	0	0	0
Nostrin		2	0	0	0

Bbs5	2	0	0	0
Ppig	5	0	0	0
Ssb	5	0	0	0
Ubr3	5	0	0	0
Rpl9-ps7	1	0	0	0
Gorasp2	2	0	0	0
Cybrd1	1	0	0	0
Dync1i2	9	0	0	0
Hat1	2	0	0	0
Metap1d	8	0	0	0
AK144798	1	0	0	0
Pdk1	5	0	0	0
Rapgef4	5	0	0	0
B230120H23Rik	3	0	0	0
Cdca7	4	0	0	0
Scrn3	3	0	0	0
AK029663	2	0	0	0
Gm13705	3	0	0	0
XLOC_018147	1	0	0	0
Mtx2	4	0	0	0
XLOC_018152	8	0	0	0
Hnrnpa3	1	0	0	0
Agps	3	0	0	0
Rbm45	1	0	0	0
Osbpl6	5	0	0	0
Ube2e3	8	0	0	0
Itga4	4	0	0	0
XLOC_018167	1	0	0	0
Ssfa2	7	0	0	0
Ppp1r1c	5	0	0	0
Dnajc10	1	0	0	0
Nup35	5	0	0	0
Zfp804a	4	0	0	0
Gm13675	1	0	0	0
Zc3h15	2	0	0	0
Itgav	6	0	0	0
Fam171b	5	0	0	0
Med19	2	0	0	0
Ube2l6	1	0	0	0
Timm10	1	0	0	0
Slc43a3	5	0	0	0
Aplnr	1	0	0	0
Gm1826	1	0	0	0
Fnbp4	8	0	0	0
Agbl2	2	0	0	0
Mtch2	3	0	0	0
Kbtbd4	4	0	0	0

Celf1	1	0	0	0
Psmc3	4	0	0	0
Acp2	1	0	0	0
Pacsin3	8	0	0	0
Lrp4	6	0	0	0
Ckap5	4	0	0	0
Arhgap1	2	0	0	0
Harbi1	3	0	0	0
Ambra1	7	0	0	0
AK039132	1	0	0	0
Phf21a	14	0	0	0
Pex16	2	0	0	0
Chst1	5	0	0	0
Syt13	1	0	0	0
Trp53i11	3	0	0	0
XLOC_018225	2	0	0	0
Lrrc4c	1	0	0	0
XLOC_018226	2	0	0	0
Traf6	2	0	0	0
Commd9	2	0	0	0
Apip	3	0	0	0
Abtb2	2	0	0	0
Lmo2	5	0	0	0
Fbxo3	2	0	0	0
Cd59a	6	0	0	0
AK015665	7	0	0	0
Cstf3	6	0	0	0
XLOC_018242	1	0	0	0
0610012H03Rik	3	0	0	0
XLOC_018249	2	0	0	0
Gm14013	1	0	0	0
Dcdc5	1	0	0	0
Mpped2	8	0	0	0
Kcna4	5	0	0	0
Kif18a	4	0	0	0
Bdnf	4	0	0	0
Lin7c	2	0	0	0
Lgr4	3	0	0	0
Lpcat4	2	0	0	0
Nop10	1	0	0	0
Slc12a6	6	0	0	0
2900064A13Rik	2	0	0	0
Aven	1	0	0	0
Fmn1	4	0	0	0
A530058N18Rik	2	0	0	0
C130080G10Rik	1	0	0	0
BC052040	2	0	0	0

AK083230	5	0	0	0
Fam98b	1	0	0	0
Eif2ak4	4	0	0	0
Bub1b	2	0	0	0
5430417L22Rik	1	0	0	0
Disp2	8	0	0	0
D2Ertd750e	4	0	0	0
Ivd	2	0	0	0
Bahd1	3	0	0	0
Rpusd2	1	0	0	0
Rad51	3	0	0	0
Gchfr	1	0	0	0
Zfyve19	5	0	0	0
Vps18	2	0	0	0
Dll4	2	0	0	0
Chac1	3	0	0	0
1500003O03Rik	4	0	0	0
Nusap1	2	0	0	0
Rtf1	2	0	0	0
Tyro3	3	0	0	0
Pla2g4b	11	0	0	0
Capn3	7	0	0	0
Snap23	4	0	0	0
Haus2	2	0	0	0
Stard9	2	0	0	0
mKIAA1300	6	0	0	0
XLOC_018324	6	0	0	0
Tmem62	3	0	0	0
Ccnbdp1	2	0	0	0
Ckmt1	3	0	0	0
Pdia3	1	0	0	0
Casc4	3	0	0	0
B2m	2	0	0	0
Sord	3	0	0	0
Spata5l1	1	0	0	0
AA467197	3	0	0	0
Pldn	2	0	0	0
pa	1	0	0	0
Sqrdl	2	0	0	0
Ctxn2	4	0	0	0
Dut	3	0	0	0
Usp8	5	0	0	0
Ap4e1	3	0	0	0
Blvra	5	0	0	0
Snrnp200	5	0	0	0
Tmem127	2	0	0	0
Stard7	2	0	0	0

Mrps5	6	0	0	0
Bcl2l11	4	0	0	0
Mertk	6	0	0	0
Tmem87b	4	0	0	0
Fbln7	5	0	0	0
Ttl	1	0	0	0
Polr1b	3	0	0	0
Chchd5	2	0	0	0
Slc20a1	5	0	0	0
Sirpa	6	0	0	0
Stk35	4	0	0	0
Nop56	5	0	0	0
Ebf3	20	0	0	0
Vps16	5	0	0	0
Ptpa	5	0	0	0
Mrps26	2	0	0	0
Itpa	8	0	0	0
XLOC_018393	1	0	0	0
Atrn	3	0	0	0
Cdc25b	6	0	0	0
2310035K24Rik	3	0	0	0
XLOC_018399	1	0	0	0
Pank2	3	0	0	0
Smox	4	0	0	0
Cds2	3	0	0	0
Chgb	6	0	0	0
Mcm8	4	0	0	0
Crls1	1	0	0	0
Bmp2	2	0	0	0
Plcb1	5	0	0	0
Plcb4	6	0	0	0
6330527O06Rik	3	0	0	0
Snap25	3	0	0	0
2210009G21Rik	1	0	0	0
Btbd3	5	0	0	0
Ism1	2	0	0	0
2310003L22Rik	6	0	0	0
Snrpb2	2	0	0	0
Pcsk2	5	0	0	0
Dstn	4	0	0	0
LOC668917	8	0	0	0
Sec23b	6	0	0	0
Gm561	1	0	0	0
Dtd1	4	0	0	0
Slc24a3	2	0	0	0
4930529M08Rik	7	0	0	0
Insm1	1	0	0	0



Xrn2	1	0	0	0
Nxt1	2	0	0	0
XLOC_018445	1	0	0	0
Gzf1	3	0	0	0
Cstl1	9	0	0	0
Entpd6	3	0	0	0
Pygb	4	0	0	0
Gins1	2	0	0	0
Fkbp1a	7	0	0	0
5430405G05Rik	7	0	0	0
Rspo4	2	0	0	0
Csnk2a1	4	0	0	0
Tbc1d20	4	0	0	0
6820408C15Rik	4	0	0	0
H13	4	0	0	0
Id1	1	0	0	0
Cox4i2	1	0	0	0
Tpx2	9	0	0	0
Ttl9	3	0	0	0
Xkr7	4	0	0	0
Hck	2	0	0	0
Tm9sf4	2	0	0	0
Pofut1	2	0	0	0
Kif3b	4	0	0	0
Asxl1	3	0	0	0
Mapre1	1	0	0	0
Gm14495	3	0	0	0
1700003F12Rik	2	0	0	0
Zfp341	4	0	0	0
Chmp4b	3	0	0	0
Itch	5	0	0	0
Map1lc3a	2	0	0	0
Trp53inp2	4	0	0	0
Myh7b	10	0	0	0
Mmp24	1	0	0	0
Cep250	8	0	0	0
Ergic3	5	0	0	0
Spag4	7	0	0	0
Romo1	2	0	0	0
Epb4.1l1	8	0	0	0
0610011L14Rik	3	0	0	0
Myl9	2	0	0	0
1110008F13Rik	3	0	0	0
Gm1332	1	0	0	0
Rpn2	6	0	0	0
Manbal	1	0	0	0
Src	11	0	0	0

Peg5	2	0	0	0
Ctnnbl1	3	0	0	0
Vstm2l	2	0	0	0
Rprd1b	5	0	0	0
Snhg11	7	0	0	0
Actr5	6	0	0	0
Dhx35	4	0	0	0
XLOC_018534	3	0	0	0
Top1	3	0	0	0
XLOC_018538	7	0	0	0
Gm11448	1	0	0	0
Srsf6	6	0	0	0
Ift52	2	0	0	0
Tox2	4	0	0	0
XLOC_018552	6	0	0	0
Ttpal	2	0	0	0
Pkig	2	0	0	0
Pabpc1l	3	0	0	0
Stk4	4	0	0	0
Sys1	4	0	0	0
Dbnnd2	3	0	0	0
Pigt	3	0	0	0
AK043662	4	0	0	0
Wfdc2	5	0	0	0
Dnttip1	2	0	0	0
Ube2c	1	0	0	0
Snx21	6	0	0	0
Zswim3	3	0	0	0
Ctsa	3	0	0	0
Pcif1	4	0	0	0
Mmp9	1	0	0	0
Slc12a5	1	0	0	0
Slc2a10	1	0	0	0
Eya2	4	0	0	0
Trp53rk	1	0	0	0
Arfgef2	4	0	0	0
Cse1l	1	0	0	0
Ddx27	2	0	0	0
Slc9a8	4	0	0	0
Rnf114	7	0	0	0
Ptpn1	1	0	0	0
Pard6b	5	0	0	0
XLOC_018596	1	0	0	0
XLOC_018599	5	0	0	0
Gm9873	1	0	0	0
Tshz2	8	0	0	0
Pfdn4	5	0	0	0

Gm14637	1	0	0	0
Dok5	2	0	0	0
BC049717	2	0	0	0
Gm14273	4	0	0	0
2010011I20Rik	1	0	0	0
Cstf1	2	0	0	0
2410001C21Rik	5	0	0	0
1700029J11Rik	1	0	0	0
Rae1	1	0	0	0
Rbm38	3	0	0	0
AK079954	2	0	0	0
Rab22a	2	0	0	0
Vapb	5	0	0	0
Npepl1	4	0	0	0
Gnas	6	0	0	0
Th1l	2	0	0	0
OTTMUSG00000016609	3	0	0	0
Gm14322	1	0	0	0
Phactr3	4	0	0	0
9030418K01Rik	3	0	0	0
Cdh26	2	0	0	0
4921531C22Rik	1	0	0	0
Lsm14b	3	0	0	0
Ss18l1	2	0	0	0
Gtpbp5	7	0	0	0
Osbpl2	5	0	0	0
Adrm1	3	0	0	0
Rps21	3	0	0	0
1600027N09Rik	8	0	0	0
Ogfr	2	0	0	0
Col9a3	2	0	0	0
2310003C23Rik	2	0	0	0
XLOC_018660	2	0	0	0
Rtel1	5	0	0	0
Zgpat	8	0	0	0
Tpd52l2	4	0	0	0
Dnajc5	4	0	0	0
Prpf6	3	0	0	0
XLOC_018666	2	0	0	0
Tcea2	5	0	0	0
Oprl1	4	0	0	0
Polr3k	1	0	0	0
Rpp38	2	0	0	0
Meig1	2	0	0	0
Hspa14	2	0	0	0
Prpf18	3	0	0	0
Mcm10	6	0	0	0

Optn	4	0	0	0
Camk1d	8	0	0	0
Cdc123	1	0	0	0
Sec61a2	2	0	0	0
Dhtkd1	7	0	0	0
5430407P10Rik	6	0	0	0
Celf2	9	0	0	0
Gm13217	1	0	0	0
Atp5c1	6	0	0	0
Pfkfb3	6	0	0	0
Rbm17	2	0	0	0
Fbxo18	8	0	0	0
Fam188a	7	0	0	0
C1ql3	1	0	0	0
Rsu1	3	0	0	0
Trdmt1	7	0	0	0
Ptpla	10	0	0	0
Gm13320	1	0	0	0
A930004D18Rik	2	0	0	0
Dnajc1	1	0	0	0
Pip4k2a	5	0	0	0
Gm13328	1	0	0	0
Arhgap21	6	0	0	0
Enkur	3	0	0	0
Abi1	9	0	0	0
Mastl	3	0	0	0
Spopl	6	0	0	0
Pax8	4	0	0	0
Gm13416	1	0	0	0
Cacna1b	15	0	0	0
Arrdc1	4	0	0	0
Mrpl41	2	0	0	0
Cobra1	2	0	0	0
Tubb2c	4	0	0	0
Ndor1	13	0	0	0
Grin1	5	0	0	0
Dpp7	4	0	0	0
Uap1l1	1	0	0	0
BC029214	5	0	0	0
Ptgds	2	0	0	0
Mamdc4	5	0	0	0
B230208H17Rik	6	0	0	0
Tmem141	6	0	0	0
Camsap1	7	0	0	0
Ubac1	5	0	0	0
Nacc2	8	0	0	0
Qsox2	4	0	0	0

Card9	5	0	0	0
Snhg7	5	0	0	0
Surf6	1	0	0	0
Surf1	4	0	0	0
Rexo4	3	0	0	0
Slc2a6	4	0	0	0
Tmem8c	2	0	0	0
VAV2	9	0	0	0
Brd3	7	0	0	0
Gm13373	5	0	0	0
1700007K13Rik	1	0	0	0
Gtf3c5	3	0	0	0
Ntng2	8	0	0	0
Trub2	3	0	0	0
Wdr34	1	0	0	0
Zer1	7	0	0	0
D2Wsu81e	5	0	0	0
Sh3glb2	7	0	0	0
Crat	3	0	0	0
XLOC_018806	1	0	0	0
Asb6	3	0	0	0
Ptges	1	0	0	0
BC005624	1	0	0	0
Fnbp1	12	0	0	0
Fam78a	2	0	0	0
Uck1	3	0	0	0
Dnm1	13	0	0	0
1110008P14Rik	1	0	0	0
Lcn2	2	0	0	0
Slc25a25	4	0	0	0
Ttc16	2	0	0	0
Garnl3	8	0	0	0
Ralgps1	1	0	0	0
Zbtb34	1	0	0	0
Zbtb43	6	0	0	0
Lmx1b	1	0	0	0
Fam125b	5	0	0	0
Pbx3	6	0	0	0
Gapvd1	9	0	0	0
Fbxw2	5	0	0	0
Psm5	3	0	0	0
Traf1	9	0	0	0
Rab14	8	0	0	0
Stom	2	0	0	0
Ggta1	11	0	0	0
Tll11	5	0	0	0
Ndufa8	3	0	0	0

Rbm18	4	0	0	0
Gm13436	1	0	0	0
Pdcl	2	0	0	0
Rc3h2	5	0	0	0
Zbtb6	5	0	0	0
Zbtb26	1	0	0	0
Strbp	8	0	0	0
Dennd1a	8	0	0	0
Scai	6	0	0	0
Ppp6c	2	0	0	0
Lrp1b	11	0	0	0
Gm13461	1	0	0	0
Zeb2	7	0	0	0
MuORC4	1	0	0	0
Mmadhc	5	0	0	0
Rnd3	3	0	0	0
Rbm43	4	0	0	0
Arl5a	3	0	0	0
Cacnb4	5	0	0	0
Stam2	3	0	0	0
XLOC_018884	1	0	0	0
Prpf40a	8	0	0	0
Nr4a2	6	0	0	0
Cytip	1	0	0	0
Acvr1	6	0	0	0
Wdsub1	8	0	0	0
Cd302	2	0	0	0
Pla2r1	7	0	0	0
Itgb6	1	0	0	0
Rbms1	9	0	0	0
Fap	6	0	0	0
Ifih1	2	0	0	0
Kcnh7	5	0	0	0
erg3	1	0	0	0
Grb14	2	0	0	0
Cobll1	10	0	0	0
Galnt3	2	0	0	0
Ttc21b	3	0	0	0
Scn1a	2	0	0	0
Scn9a	5	0	0	0
Scn7a	4	0	0	0
Stk39	6	0	0	0
Spc25	2	0	0	0
Fastkd1	4	0	0	0
Tlk1	1	0	0	0
Mettl8	7	0	0	0
Slc25a12	1	0	0	0

Ola1	3	0	0	0
Cir1	3	0	0	0
Gpr155	5	0	0	0
Wipf1	4	0	0	0
Chrna1	4	0	0	0
Chn1	5	0	0	0
Atf2	8	0	0	0
Atp5g3	4	0	0	0
Lnp	4	0	0	0
Mrpl23-ps1	1	0	0	0
Gm13654	1	0	0	0
Ttc30b	1	0	0	0
Pde11a	4	0	0	0
Prkra	4	0	0	0
Fkbp7	5	0	0	0
Ccdc141	6	0	0	0
Sestd1	8	0	0	0
Zfp385b	5	0	0	0
Cwc22	9	0	0	0
Cerkl	3	0	0	0
Neurod1	1	0	0	0
Pde1a	7	0	0	0
Frzb	3	0	0	0
Nckap1	10	0	0	0
Gm13680	1	0	0	0
Calcrl	3	0	0	0
Tfpi	8	0	0	0
XLOC_018972	1	0	0	0
Tmx2	5	0	0	0
Zdhhc5	2	0	0	0
Clp1	2	0	0	0
XLOC_018976	1	0	0	0
Serping1	6	0	0	0
Rtn4rl2	5	0	0	0
P2rx3	11	0	0	0
Ndufs3	3	0	0	0
Ptpmt1	2	0	0	0
AK020549	1	0	0	0
Slc39a13	4	0	0	0
Madd	13	0	0	0
F2	1	0	0	0
Zfp408	5	0	0	0
Atg13	3	0	0	0
Dgkz	10	0	0	0
Creb3l1	5	0	0	0
Gylt1b	1	0	0	0
Mapk8ip1	7	0	0	0

Cry2	6	0	0	0
Slc35c1	4	0	0	0
Prdm11	6	0	0	0
Tspan18	2	0	0	0
Cd82	3	0	0	0
Ext2	5	0	0	0
Accs	8	0	0	0
Accsl	4	0	0	0
Alkbh3	6	0	0	0
Hsd17b12	2	0	0	0
AK140370	1	0	0	0
Ttc17	4	0	0	0
B230118H07Rik	1	0	0	0
Trim44	4	0	0	0
Fjx1	1	0	0	0
Cd44	6	0	0	0
Pdhx	1	0	0	0
Ehf	2	0	0	0
Cat	4	0	0	0
Nat10	6	0	0	0
Caprin1	10	0	0	0
Hipk3	3	0	0	0
Tcp11l1	2	0	0	0
Depdc7	3	0	0	0
Qser1	3	0	0	0
Rcn1	1	0	0	0
Elp4	4	0	0	0
Dnajc24	2	0	0	0
AK084494	8	0	0	0
2700007P21Rik	5	0	0	0
Fibin	1	0	0	0
Ano3	2	0	0	0
Tmem85	5	0	0	0
Ryr3	20	0	0	0
Scg5	3	0	0	0
Aqr	1	0	0	0
Atpbd4	2	0	0	0
Meis2	7	0	0	0
Rasgrp1	8	0	0	0
Gpr176	3	0	0	0
Srp14	4	0	0	0
A430105I19Rik	8	0	0	0
Ccdc32	2	0	0	0
Fam82a2	3	0	0	0
Rhov	1	0	0	0
Ino80	4	0	0	0
Oip5	1	0	0	0



Ndufaf1	5	0	0	0
Rpap1	7	0	0	0
Spnb5	21	0	0	0
Ehd4	2	0	0	0
Pla2g4e	6	0	0	0
Vps39	4	0	0	0
Tmem87a	5	0	0	0
Zfp106	4	0	0	0
Lrrc57	3	0	0	0
Cdan1	4	0	0	0
Ttbk2	4	0	0	0
Ubr1	6	0	0	0
Ppip5k1	5	0	0	0
Serinc4	2	0	0	0
Frmd5	3	0	0	0
Duoxa1	7	0	0	0
Shf	4	0	0	0
Gatm	1	0	0	0
Slc30a4	3	0	0	0
Myef2	2	0	0	0
Cep152	11	0	0	0
Secisbp2l	6	0	0	0
Cops2	3	0	0	0
Gabpb1	7	0	0	0
Trpm7	8	0	0	0
2010106G01Rik	5	0	0	0
Ncaph	2	0	0	0
Itpripl1	2	0	0	0
1810024B03Rik	1	0	0	0
Ciao1	3	0	0	0
Fahd2a	1	0	0	0
Kcnip3	8	0	0	0
Mal	1	0	0	0
Mall	2	0	0	0
Nphp1	6	0	0	0
1500011K16Rik	1	0	0	0
Gm14012	2	0	0	0
Gm14005	6	0	0	0
Anapc1	6	0	0	0
Zc3h8	3	0	0	0
AI847159	4	0	0	0
Gm14045	1	0	0	0
Snrpb	1	0	0	0
ldh3b	7	0	0	0
Ubox5	4	0	0	0
Prosapip1	5	0	0	0
Ddrgk1	3	0	0	0

Slc4a11	10	0	0	0
4930402H24Rik	8	0	0	0
Gfra4	5	0	0	0
Adam33	10	0	0	0
1700037H04Rik	6	0	0	0
Spef1	3	0	0	0
Rnf24	1	0	0	0
Adra1d	1	0	0	0
Rassf2	4	0	0	0
Slc23a2	3	0	0	0
5730494N06Rik	5	0	0	0
Pcna	5	0	0	0
Prokr2	4	0	0	0
Gpcpd1	8	0	0	0
Trmt6	2	0	0	0
Tmx4	2	0	0	0
Gm14038	1	0	0	0
Mkks	6	0	0	0
Jag1	8	0	0	0
Tasp1	5	0	0	0
Esf1	2	0	0	0
Snx5	3	0	0	0
Ovol2	2	0	0	0
Rbbp9	1	0	0	0
Crnk1	2	0	0	0
Thbd	1	0	0	0
Cd93	2	0	0	0
Napb	4	0	0	0
Cst3	1	0	0	0
Zfp120	5	0	0	0
Gm14127	1	0	0	0
Gm14121	1	0	0	0
2310001A20Rik	3	0	0	0
Acss1	4	0	0	0
Abhd12	2	0	0	0
Ninl	9	0	0	0
Snph	8	0	0	0
Psmf1	1	0	0	0
Fam110a	1	0	0	0
Gm14166	1	0	0	0
Rbck1	6	0	0	0
Trib3	3	0	0	0
Nrsn2	2	0	0	0
Sox12	1	0	0	0
Bcl2l1	5	0	0	0
Foxs1	1	0	0	0
Dusp15	3	0	0	0

Pdrg1	7	0	0	0
Tspyl3	1	0	0	0
Plagl2	4	0	0	0
AK010870	7	0	0	0
8430427H17Rik	7	0	0	0
Commd7	1	0	0	0
Cdk5rap1	3	0	0	0
Snta1	2	0	0	0
Necab3	9	0	0	0
Pxmp4	3	0	0	0
Pigu	3	0	0	0
Ncoa6	3	0	0	0
Ggt7	2	0	0	0
Gss	1	0	0	0
Trpc4ap	4	0	0	0
Edem2	4	0	0	0
Uqcc	9	0	0	0
6430550D23Rik	4	0	0	0
Cpne1	5	0	0	0
Nfs1	3	0	0	0
Rbm39	5	0	0	0
AK015092	9	0	0	0
Gm14230	4	0	0	0
Ndr3	4	0	0	0
Dsn1	4	0	0	0
9830001H06Rik	4	0	0	0
Samhd1	4	0	0	0
4922505G16Rik	1	0	0	0
Gm14286	6	0	0	0
Blcap	3	0	0	0
Tti1	2	0	0	0
Tgm2	1	0	0	0
9430008C03Rik	9	0	0	0
Mafb	1	0	0	0
Zhx3	2	0	0	0
Chd6	5	0	0	0
Ptprt	7	0	0	0
Gm11451	1	0	0	0
Fitm2	4	0	0	0
Serinc3	2	0	0	0
Ada	5	0	0	0
Rims4	3	0	0	0
Tomm34	5	0	0	0
Wfdc5	2	0	0	0
Slpi	1	0	0	0
Matn4	4	0	0	0
Spinlw1	1	0	0	0

Acot8	1	0	0	0
Pltp	2	0	0	0
Zfp335	7	0	0	0
Ncoa5	3	0	0	0
Slc35c2	6	0	0	0
Elmo2	4	0	0	0
Zfp334	3	0	0	0
Slc13a3	3	0	0	0
2810408M09Rik	1	0	0	0
Gm11460	1	0	0	0
Zmynd8	15	0	0	0
Sulf2	5	0	0	0
Gm14267	6	0	0	0
Stau1	3	0	0	0
Gm11470	2	0	0	0
Znfx1	5	0	0	0
Kcnb1	5	0	0	0
B4galt5	7	0	0	0
Spata2	4	0	0	0
Tmem189	2	0	0	0
Adnp	4	0	0	0
Atp9a	9	0	0	0
Zfp64	3	0	0	0
XLOC_019370	3	0	0	0
Bcas1	4	0	0	0
Aurka	2	0	0	0
Bmp7	4	0	0	0
Ctcf1	1	0	0	0
Zbp1	7	0	0	0
Pmepa1	1	0	0	0
Ppp4r1l-ps	14	0	0	0
Ctsz	2	0	0	0
Atp5e	1	0	0	0
Slmo2	3	0	0	0
Gm14326	4	0	0	0
Ppp1r3d	1	0	0	0
Taf4a	7	0	0	0
Psm7	6	0	0	0
Cables2	10	0	0	0
AK045814	11	0	0	0
Dido1	6	0	0	0
Nkain4	1	0	0	0
Eef1a2	4	0	0	0
Srms	2	0	0	0
BC006779	11	0	0	0
Gmeb2	2	0	0	0
Stmn3	7	0	0	0

Arfrp1	2	0	0	0
Znf512b	8	0	0	0
Samd10	4	0	0	0
Rgs19	2	0	0	0
Acbd7	3	0	0	0
Nudt5	3	0	0	0
XLOC_017895	1	0	0	0
XLOC_017896	1	0	0	0
XLOC_017921	4	0	0	0
Wdr85	2	0	0	0
mKIAA1422	1	0	0	0
XLOC_017948	1	0	0	0
AK075572	1	0	0	0
Surf2	1	0	0	0
Gm711	2	0	0	0
Ddx31	5	0	0	0
Set	4	0	0	0
Phyhd1	1	0	0	0
Golga2	2	0	0	0
D730039F16Rik	1	0	0	0
AK163151	1	0	0	0
Gm13474	2	0	0	0
Gm13558	1	0	0	0
AK050909	4	0	0	0
XLOC_018108	2	0	0	0
Phospho2	3	0	0	0
XLOC_018136	1	0	0	0
AK013593	1	0	0	0
Hoxd9	2	0	0	0
Hoxd4	1	0	0	0
Hoxd1	1	0	0	0
XLOC_018168	1	0	0	0
SKRP1	2	0	0	0
Dusp19	3	0	0	0
Ssrp1	3	0	0	0
Nup160	2	0	0	0
A330069E16Rik	1	0	0	0
Arfgap2	3	0	0	0
Chrm4	1	0	0	0
Wt1	3	0	0	0
2410042D21Rik	1	0	0	0
XLOC_018297	1	0	0	0
Gm14088	1	0	0	0
Mga	9	0	0	0
Adal	3	0	0	0
Sema6d	3	0	0	0
Galk2	5	0	0	0

Gpat2	1	0	0	0
Hspa12b	1	0	0	0
Prnp	1	0	0	0
Gm14051	2	0	0	0
1110034G24Rik	1	0	0	0
AK042765	1	0	0	0
XLOC_018427	2	0	0	0
Zfp937	1	0	0	0
Sdcbp2	2	0	0	0
Rem1	3	0	0	0
XLOC_018486	4	0	0	0
Cbfa2t2	4	0	0	0
XLOC_018498	1	0	0	0
Acss2	5	0	0	0
Phf20	9	0	0	0
Nnat	2	0	0	0
Zswim1	2	0	0	0
Ncoa3	2	0	0	0
1500012F01Rik	2	0	0	0
AY672066	2	0	0	0
Snai1	2	0	0	0
Gm14321	1	0	0	0
XLOC_018597	1	0	0	0
Gm14403	3	0	0	0
XLOC_018636	1	0	0	0
Arfgap1	5	0	0	0
Pdpf	8	0	0	0
Pcmt2	2	0	0	0
Suv39h2	3	0	0	0
Cubn	7	0	0	0
Nsun6	7	0	0	0
Ssna1	2	0	0	0
C8g	2	0	0	0
Dnlz	1	0	0	0
Sdccag3	3	0	0	0
Inpp5e	5	0	0	0
Sec16a	7	0	0	0
Med22	1	0	0	0
Surf4	1	0	0	0
Gtf3c4	1	0	0	0
AK076583	1	0	0	0
2900010J23Rik	1	0	0	0
Lrsam1	3	0	0	0
Slc2a8	8	0	0	0
Rabepk	2	0	0	0
XLOC_018851	1	0	0	0
Orc4	2	0	0	0

Nmi	7	0	0	0
XLOC_018887	1	0	0	0
AK044432	1	0	0	0
4930578N16Rik	6	0	0	0
mKIAA0137	4	0	0	0
AK086439	3	0	0	0
6720416L17Rik	1	0	0	0
Nr1h3	7	0	0	0
Ddb2	2	0	0	0
Mdk	2	0	0	0
XLOC_019024	1	0	0	0
XLOC_019035	1	0	0	0
XLOC_019054	1	0	0	0
Trp53bp1	7	0	0	0
Shc4	4	0	0	0
Usp50	2	0	0	0
XLOC_019158	3	0	0	0
A730017L22Rik	4	0	0	0
mADAM33-alpha	1	0	0	0
Lrrn4	2	0	0	0
AK035754	2	0	0	0
Rrbp1	7	0	0	0
6330439K17Rik	8	0	0	0
AA387200	2	0	0	0
5430405H02Rik	2	0	0	0
Gm826	1	0	0	0
Jph2	2	0	0	0
XLOC_019330	1	0	0	0
Wfdc6a	1	0	0	0
Gm14325	1	0	0	0
Tcf15	2	0	0	0
Kcnq2	7	0	0	0
Uck1	1	0	0	0
XLOC_017869	1	0	0	0
XLOC_017891	1	0	0	0
Gm13318	1	0	0	0
XLOC_017906	1	0	0	0
Il1f9	2	0	0	0
XLOC_017964	1	0	0	0
Pkn3	1	0	0	0
Nup188	5	0	0	0
Dolpp1	1	0	0	0
Sh2d3c	5	0	0	0
AK147796	1	0	0	0
Morn5	2	0	0	0
AK142467	1	0	0	0
AK079699	1	0	0	0

XLOC_018090	1	0	0	0
XLOC_018101	2	0	0	0
XLOC_018112	1	0	0	0
XLOC_018113	1	0	0	0
Hoxd10	3	0	0	0
Hoxd8	2	0	0	0
XLOC_018169	1	0	0	0
Gm13884	1	0	0	0
AK019067	1	0	0	0
1700020I14Rik	4	0	0	0
Tubgcp4	1	0	0	0
Mtap1a	3	0	0	0
XLOC_018370	2	0	0	0
AK042010	3	0	0	0
XLOC_018401	1	0	0	0
Polr3f	1	0	0	0
RP23-125A1.2	2	0	0	0
XLOC_018443	1	0	0	0
Gm10130	1	0	0	0
Gm14165	1	0	0	0
Dnmt3b	2	0	0	0
Lpin3	2	0	0	0
Rbpjl	3	0	0	0
Cd40	1	0	0	0
XLOC_018620	3	0	0	0
Col20a1	8	0	0	0
XLOC_018659	1	0	0	0
Itih2	1	0	0	0
XLOC_018712	1	0	0	0
Zdhhc12	1	0	0	0
Hc	4	0	0	0
Lhx6	1	0	0	0
Gm13470	1	0	0	0
Figf	1	0	0	0
Lrrc55	2	0	0	0
XLOC_018989	1	0	0	0
Api5	2	0	0	0
Prr5l	1	0	0	0
Fsip1	2	0	0	0
XLOC_019083	1	0	0	0
Ckap2l	2	0	0	0
Siglec1	3	0	0	0
Mzf31	1	0	0	0
ZIPO-III	1	0	0	0
XLOC_019266	1	0	0	0
Eif6	1	0	0	0
Rbm12	1	0	0	0



Rbl1	5	0	0	0
Cbln4	1	0	0	0
XLOC_019397	3	0	0	0
Sox18	1	0	0	0
AK140161	1	0	0	0
XLOC_017926	2	0	0	0
Ang	1	0	0	0
Tor1b	2	0	0	0
Hmcn2	1	0	0	0
Ptgs1	2	0	0	0
XLOC_018092	1	0	0	0
Gad1	1	0	0	0
XLOC_018166	1	0	0	0
Slc43a1	1	0	0	0
Fba	1	0	0	0
XLOC_018282	1	0	0	0
XLOC_018295	2	0	0	0
Gm14138	1	0	0	0
Ganc	1	0	0	0
Slc24a5	1	0	0	0
Dusp2	2	0	0	0
8430406I07Rik	1	0	0	0
Naa20	3	0	0	0
XLOC_018456	1	0	0	0
Gm14240	1	0	0	0
Wisp2	2	0	0	0
Gm14249	1	0	0	0
XLOC_018612	2	0	0	0
Edn3	3	0	0	0
XLOC_018630	1	0	0	0
Ntsr1	1	0	0	0
Cel	1	0	0	0
XLOC_018793	2	0	0	0
AK138941	1	0	0	0
Tor1a	1	0	0	0
GLUTX1	1	0	0	0
AK166079	3	0	0	0
1700109F18Rik	1	0	0	0
Ptprj	2	0	0	0
XLOC_019019	2	0	0	0
Pin1-ps1	1	0	0	0
Plcb2	2	0	0	0
Dnajc17	1	0	0	0
Duox2	1	0	0	0
XLOC_019156	1	0	0	0
Gm14029	2	0	0	0
Cpxm1	2	0	0	0

XLOC_019171	1	0	0	0
Fastkd5	1	0	0	0
XLOC_019201	1	0	0	0
XLOC_019220	2	0	0	0
BC029722	1	0	0	0
XLOC_019314	1	0	0	0
Kcns1	2	0	0	0
Sycp2	4	0	0	0
Kin	1	0	0	0
XLOC_017912	1	0	0	0
Il1rn	1	0	0	0
Fam129b	1	0	0	0
XLOC_018060	1	0	0	0
XLOC_018078	1	0	0	0
XLOC_018110	1	0	0	0
XLOC_018309	1	0	0	0
ltpka	1	0	0	0
XLOC_018386	2	0	0	0
XLOC_018390	3	0	0	0
XLOC_018506	1	0	0	0
Mybl2	1	0	0	0
AK082432	1	0	0	0
XLOC_018549	1	0	0	0
1810053B01Rik	1	0	0	0
Gm14291	1	0	0	0
AK027991	2	0	0	0
XLOC_018605	1	0	0	0
BC086906	2	0	0	0
Etohi1	1	0	0	0
Gm13340	1	0	0	0
Snapc4	4	0	0	0
AK138201	3	0	0	0
Lrp2	2	0	0	0
Mettl5	1	0	0	0
XLOC_018931	1	0	0	0
XLOC_018948	1	0	0	0
Prrg4	1	0	0	0
AK030357	1	0	0	0
Prom2	1	0	0	0
Ptgis	3	0	0	0
AK166773	2	0	0	0
XLOC_017947	1	0	0	0
Cercam	3	0	0	0
Prrx2	1	0	0	0
4933404M02Rik	1	0	0	0
XLOC_018163	1	0	0	0
Gm13715	1	0	0	0

XLOC_018244	1	0	0	0
XLOC_018273	1	0	0	0
XLOC_018316	1	0	0	0
Gm14085	1	0	0	0
XLOC_018349	1	0	0	0
Slc12a1	1	0	0	0
XLOC_018395	1	0	0	0
Tgif2	2	0	0	0
9230111E07Rik	1	0	0	0
Echdc3	1	0	0	0
XLOC_018693	1	0	0	0
Gm996	1	0	0	0
AK048710	1	0	0	0
Gm13582	1	0	0	0
XLOC_018962	1	0	0	0
XLOC_019031	1	0	0	0
4930525F21Rik	1	0	0	0
Dpm1	1	0	0	0
Nfatc2	1	0	0	0
Zfhx4	1	0	0	0
Pkia	3	0	0	0
Fam164a	1	0	0	0
Stmn2	1	0	0	0
Zbtb10	2	0	0	0
XLOC_020752	2	0	0	0
Fabp5	3	0	0	0
Lrrcc1	2	0	0	0
E2f5	2	0	0	0
Car13	4	0	0	0
Car2	3	0	0	0
Ythdf3	4	0	0	0
2610100L16Rik	5	0	0	0
Mtfr1	3	0	0	0
Dnajc5b	6	0	0	0
Cp	3	0	0	0
XLOC_020778	7	0	0	0
Tbl1xr1	6	0	0	0
Nceh1	1	0	0	0
Tnik	5	0	0	0
Eif5a2	2	0	0	0
Rpl22l1	7	0	0	0
XLOC_020790	4	0	0	0
Mynn	2	0	0	0
Sec62	1	0	0	0
Gpr160	12	0	0	0
Prkci	4	0	0	0
Skil	3	0	0	0

Cldn11	1	0	0	0
AK162138	4	0	0	0
Pik3ca	3	0	0	0
Zfp639	4	0	0	0
Mfn1	4	0	0	0
Actl6a	2	0	0	0
Ndufb5	3	0	0	0
Usp13	7	0	0	0
Fxr1	5	0	0	0
Sox2	1	0	0	0
Atp11b	6	0	0	0
Gm15952	1	0	0	0
Acad9	2	0	0	0
D3Erttd254e	1	0	0	0
Exosc9	1	0	0	0
4932438A13Rik	10	0	0	0
Gm12582	1	0	0	0
Fgf2	2	0	0	0
Spata5	6	0	0	0
Intu	4	0	0	0
Hspa4l	3	0	0	0
3110057012Rik	5	0	0	0
Larp1b	6	0	0	0
Phf17	9	0	0	0
D3Erttd751e	4	0	0	0
Pcdh10	5	0	0	0
XLOC_020839	1	0	0	0
Ccrn4l	1	0	0	0
Naa15	5	0	0	0
Rab33b	3	0	0	0
Mgst2	4	0	0	0
Foxo1	1	0	0	0
Lhfp	3	0	0	0
2810046L04Rik	3	0	0	0
Trpc4	7	0	0	0
Alg5	1	0	0	0
Smad9	1	0	0	0
Spg20	5	0	0	0
Dclk1	4	0	0	0
Rnf13	1	0	0	0
Tsc22d2	3	0	0	0
Eif2a	5	0	0	0
2810407C02Rik	4	0	0	0
AK016388	1	0	0	0
Arhgef26	1	0	0	0
Mme	6	0	0	0
Gmps	2	0	0	0

Tiparp	2	0	0	0
Lekr1	8	0	0	0
Rsrc1	3	0	0	0
Mlf1	2	0	0	0
Gfm1	1	0	0	0
Mfsd1	1	0	0	0
lqcj	1	0	0	0
Schip1	2	0	0	0
Smc4	3	0	0	0
Ppm1l	4	0	0	0
Nmd3	1	0	0	0
Serpini1	3	0	0	0
XLOC_020896	1	0	0	0
Fstl5	4	0	0	0
4930579G24Rik	2	0	0	0
Fam198b	4	0	0	0
Pdgfc	3	0	0	0
Mtap9	4	0	0	0
Fgg	3	0	0	0
Plrg1	2	0	0	0
Tmem154	4	0	0	0
Fbxw7	4	0	0	0
Pet112l	1	0	0	0
Sh3d19	5	0	0	0
AK080030	1	0	0	0
Lrba	9	0	0	0
Etv3	3	0	0	0
XLOC_020921	3	0	0	0
Arhgef11	10	0	0	0
Insrr	5	0	0	0
Hdgf	5	0	0	0
Isg20l2	2	0	0	0
Crabp2	1	0	0	0
Nes	2	0	0	0
Gpatch4	2	0	0	0
Iqgap3	4	0	0	0
Mef2d	5	0	0	0
0610031J06Rik	2	0	0	0
Smg5	4	0	0	0
Paqr6	8	0	0	0
Mex3a	1	0	0	0
Ubqln4	3	0	0	0
Ssr2	2	0	0	0
Arhgef2	9	0	0	0
2810403A07Rik	5	0	0	0
Rit1	3	0	0	0
Ash1l	4	0	0	0

Clk2	7	0	0	0
Fam189b	2	0	0	0
Thbs3	8	0	0	0
Dpm3	2	0	0	0
Pmvk	3	0	0	0
Kcnn3	1	0	0	0
Ube2q1	2	0	0	0
She	2	0	0	0
4933434E20Rik	5	0	0	0
Nup210l	6	0	0	0
Rab13	2	0	0	0
Jtb	1	0	0	0
Slc39a1	1	0	0	0
Crtc2	2	0	0	0
Dennd4b	4	0	0	0
Ilf2	1	0	0	0
S100a13	5	0	0	0
S100a16	4	0	0	0
S100a3	5	0	0	0
S100a4	3	0	0	0
Them4	1	0	0	0
Them5	1	0	0	0
Rorc	4	0	0	0
Lingo4	1	0	0	0
Tdrkh	5	0	0	0
XLOC_020993	1	0	0	0
Mrpl9	1	0	0	0
Celf3	11	0	0	0
Pogz	9	0	0	0
Selenbp1	2	0	0	0
Rfx5	4	0	0	0
4930481B07Rik	1	0	0	0
Vps72	1	0	0	0
Tmod4	3	0	0	0
Sema6c	10	0	0	0
Cdc42se1	3	0	0	0
Fam63a	6	0	0	0
Lass2	5	0	0	0
Gm4349	1	0	0	0
Arnt	7	0	0	0
Ctsk	3	0	0	0
Golph3l	1	0	0	0
Ensa	1	0	0	0
Mcl1	2	0	0	0
Aph1a	6	0	0	0
AK028005	1	0	0	0
Otud7b	10	0	0	0

Mtmr11	4	0	0	0
Sf3b4	9	0	0	0
Sv2a	4	0	0	0
Hist2h2be	1	0	0	0
Txnip	2	0	0	0
Lix1l	1	0	0	0
Rbm8a	5	0	0	0
Itga10	6	0	0	0
Pias3	3	0	0	0
Rnf115	1	0	0	0
Acp6	1	0	0	0
Prkab2	3	0	0	0
Sec22b	1	0	0	0
Notch2	3	0	0	0
Zfp697	6	0	0	0
Wars2	2	0	0	0
Gdap2	1	0	0	0
Trim45	2	0	0	0
Igsf3	5	0	0	0
Tspan2	2	0	0	0
Sike1	3	0	0	0
Csde1	5	0	0	0
Nras	3	0	0	0
Dennd2c	1	0	0	0
Bcas2	2	0	0	0
Trim33	3	0	0	0
Syt6	10	0	0	0
Ap4b1	2	0	0	0
Ptpn22	4	0	0	0
Phtf1	10	0	0	0
Slc16a1	3	0	0	0
Ppm1j	9	0	0	0
Rhoc	5	0	0	0
St7l	3	0	0	0
Kcnd3	4	0	0	0
6530418L21Rik	2	0	0	0
Wdr77	2	0	0	0
Chia	4	0	0	0
Dram2	1	0	0	0
4933421E11Rik	4	0	0	0
A1504432	1	0	0	0
Kcna2	6	0	0	0
Hbxip	1	0	0	0
Slc16a4	4	0	0	0
XLOC_021090	1	0	0	0
Gstm5	2	0	0	0
Amigo1	2	0	0	0

Psma5	6	0	0	0
Sort1	3	0	0	0
Psrc1	6	0	0	0
Taf13	4	0	0	0
Wdr47	7	0	0	0
Clcc1	2	0	0	0
Slc25a24	2	0	0	0
Vav3	5	0	0	0
Col11a1	7	0	0	0
Olfm3	2	0	0	0
Dph5	1	0	0	0
Extl2	5	0	0	0
XLOC_021118	3	0	0	0
4833424O15Rik	3	0	0	0
XLOC_021122	9	0	0	0
Alg14	3	0	0	0
Cnn3	2	0	0	0
F3	2	0	0	0
Arhgap29	8	0	0	0
Gclm	2	0	0	0
Dnttip2	2	0	0	0
Bcar3	3	0	0	0
1810037I17Rik	1	0	0	0
Sec24d	4	0	0	0
Tram11	1	0	0	0
Arsj	1	0	0	0
Camk2d	2	0	0	0
Elovl6	4	0	0	0
Pla2g12a	1	0	0	0
Casp6	2	0	0	0
XLOC_021153	2	0	0	0
Lef1	3	0	0	0
Papss1	3	0	0	0
Tbck	3	0	0	0
Ints12	3	0	0	0
Ppa2	7	0	0	0
BC065149	2	0	0	0
XLOC_021171	2	0	0	0
XLOC_021172	1	0	0	0
Ppp3ca	8	0	0	0
Emcn	2	0	0	0
Ddit4l	2	0	0	0
Dnajb14	1	0	0	0
Mapksp1	10	0	0	0
Rg9mtd2	4	0	0	0
Adh1	3	0	0	0
Adh5	2	0	0	0



Eif4e		7	0	0	0
XLOC_021183		3	0	0	0
Tspan5		7	0	0	0
Gbp6		2	0	0	0
Gbp3		5	0	0	0
Ccbl2		2	0	0	0
Gtf2b		1	0	0	0
XLOC_021191		5	0	0	0
	41897	5	0	0	0
Col24a1		11	0	0	0
Znhit6		4	0	0	0
FJ422280		1	0	0	0
Ddah1		3	0	0	0
Bcl10		3	0	0	0
2410004B18Rik		4	0	0	0
Syde2		2	0	0	0
Ssx2ip		5	0	0	0
Gng5		2	0	0	0
Ttll7		4	0	0	0
AK133793		3	0	0	0
Fubp1		12	0	0	0
Usp33		3	0	0	0
XLOC_021219		2	0	0	0
XLOC_021220		2	0	0	0
4922501L14Rik		8	0	0	0
Lrriq3		7	0	0	0
Negr1		1	0	0	0
Zranb2		2	0	0	0
Ptger3		2	0	0	0
Ankrd13c		3	0	0	0
Wls		1	0	0	0
Pxmp3		8	0	0	0
Hey1		4	0	0	0
Tpd52		13	0	0	0
Zfp704		2	0	0	0
Pag1		5	0	0	0
Pmp2		1	0	0	0
Impa1		2	0	0	0
Zfand1		6	0	0	0
Snx16		3	0	0	0
AK140446		2	0	0	0
LOC100038947		2	0	0	0
Cyp7b1		2	0	0	0
Armc1		5	0	0	0
XLOC_021266		1	0	0	0
Hps3		7	0	0	0
Gyg		5	0	0	0

Agtr1b	2	0	0	0
Nlgn1	8	0	0	0
Fndc3b	5	0	0	0
AK007174	6	0	0	0
AK046440	1	0	0	0
Mecom	6	0	0	0
Phc3	9	0	0	0
Slc7a14	3	0	0	0
Zmat3	6	0	0	0
Gnb4	1	0	0	0
Pex5l	8	0	0	0
Ccdc39	5	0	0	0
Dcun1d1	5	0	0	0
Mccc1	7	0	0	0
Anxa5	8	0	0	0
AK043581	5	0	0	0
Ccna2	1	0	0	0
Bbs7	3	0	0	0
Trpc3	8	0	0	0
Cetn4	2	0	0	0
Ankrd50	4	0	0	0
Mfsd8	5	0	0	0
Pgrmc2	2	0	0	0
Sc1t1	4	0	0	0
AK012035	10	0	0	0
Pcdh18	4	0	0	0
Elf2	9	0	0	0
4930583H14Rik	1	0	0	0
Ndufc1	3	0	0	0
Setd7	2	0	0	0
Maml3	4	0	0	0
Cog6	1	0	0	0
Nhlrc3	4	0	0	0
Ufm1	1	0	0	0
Rfxap	1	0	0	0
6030405A18Rik	1	0	0	0
Nbea	5	0	0	0
Tm4sf1	3	0	0	0
Wwtr1	1	0	0	0
Commd2	2	0	0	0
Pfn2	4	0	0	0
XLOC_021349	1	0	0	0
XLOC_021350	3	0	0	0
AK005707	3	0	0	0
Serp1	1	0	0	0
Fam194a	1	0	0	0
Siah2	1	0	0	0

AK030561	4	0	0	0
Clrn1	3	0	0	0
P2ry14	4	0	0	0
P2ry12	6	0	0	0
Dhx36	3	0	0	0
Gpr149	5	0	0	0
Plch1	4	0	0	0
E130311K13Rik	1	0	0	0
Slc33a1	2	0	0	0
Ssr3	4	0	0	0
Shox2	4	0	0	0
Lxn	3	0	0	0
Rarres1	1	0	0	0
XLOC_021379	1	0	0	0
Gm5848	1	0	0	0
Ift80	5	0	0	0
Kpna4	2	0	0	0
B3galnt1	2	0	0	0
1110032A04Rik	5	0	0	0
Slitrk3	5	0	0	0
Bche	3	0	0	0
Pdcd10	9	0	0	0
Rapgef2	9	0	0	0
Fnip2	6	0	0	0
Etfdh	2	0	0	0
Rxfp1	4	0	0	0
Tmem144	4	0	0	0
Glrb	6	0	0	0
Gucy1b3	2	0	0	0
Gucy1a3	3	0	0	0
Npy2r	4	0	0	0
Rbm46	2	0	0	0
D930015E06Rik	5	0	0	0
Mnd1	4	0	0	0
Trim2	8	0	0	0
Fhdc1	6	0	0	0
Arfp1	8	0	0	0
Fam160a1	2	0	0	0
Dclk2	5	0	0	0
Cd1d1	2	0	0	0
Kirrel	6	0	0	0
4933430H15Rik	2	0	0	0
Pear1	9	0	0	0
Ntrk1	4	0	0	0
BC023814	4	0	0	0
Bcan	8	0	0	0
Apoa1bp	2	0	0	0

Tmem79	3	0	0	0
Pmf1	2	0	0	0
Slc25a44	3	0	0	0
Sema4a	8	0	0	0
Lmna	6	0	0	0
Robld3	3	0	0	0
Gm10704	1	0	0	0
Syt11	10	0	0	0
Dap3	5	0	0	0
Rusc1	9	0	0	0
Hcn3	4	0	0	0
Mtx1	3	0	0	0
Trim46	5	0	0	0
Slc50a1	2	0	0	0
Efna1	1	0	0	0
Efna3	2	0	0	0
Efna4	1	0	0	0
Adam15	7	0	0	0
Zbtb7b	2	0	0	0
Flad1	3	0	0	0
Cks1b	1	0	0	0
Chrn2	4	0	0	0
Atp8b2	9	0	0	0
Ubap2l	12	0	0	0
Ints3	6	0	0	0
Npr1	7	0	0	0
Snapin	1	0	0	0
9130204L05Rik	4	0	0	0
XLOC_021484	1	0	0	0
Lce6a	6	0	0	0
Riiad1	1	0	0	0
Snx27	4	0	0	0
Tuft1	5	0	0	0
Cgn	5	0	0	0
Psm4	2	0	0	0
Zfp687	7	0	0	0
Psm4	9	0	0	0
Pip5k1a	8	0	0	0
Tnfaip8l2	2	0	0	0
XLOC_021499	1	0	0	0
Mllt11	4	0	0	0
Bnpl	4	0	0	0
Prune	3	0	0	0
Adamtsl4	5	0	0	0
Prpf3	3	0	0	0
Mrps21	2	0	0	0
Gm129	5	0	0	0

BC028528	5	0	0	0
Car14	2	0	0	0
Plekho1	4	0	0	0
Vps45	5	0	0	0
Bola1	3	0	0	0
Polr3gl	3	0	0	0
Polr3c	4	0	0	0
Gpr89	1	0	0	0
Bcl9	11	0	0	0
Chd1l	1	0	0	0
Pde4dip	13	0	0	0
Phgdh	9	0	0	0
Wdr3	3	0	0	0
Fam46c	1	0	0	0
Man1a2	3	0	0	0
Ttf2	2	0	0	0
Ptgfrn	4	0	0	0
Atp1a1	6	0	0	0
XLOC_021543	1	0	0	0
BC037703	1	0	0	0
Slc22a15	5	0	0	0
Vangl1	5	0	0	0
XLOC_021547	2	0	0	0
Olfml3	1	0	0	0
Hipk1	5	0	0	0
Dclre1b	2	0	0	0
Magi3	5	0	0	0
Mov10	10	0	0	0
Capza1	5	0	0	0
Wnt2b	1	0	0	0
Ctnbp2nl	2	0	0	0
Ddx20	2	0	0	0
Rap1a	5	0	0	0
1700027A23Rik	1	0	0	0
Cept1	4	0	0	0
Rbm15	1	0	0	0
Kcnc4	3	0	0	0
Slc6a17	3	0	0	0
Ahcyl1	2	0	0	0
Csf1	8	0	0	0
Gstm4	3	0	0	0
Ampd2	8	0	0	0
Gnai3	6	0	0	0
Cyb561d1	4	0	0	0
Atxn7l2	6	0	0	0
AK144267	1	0	0	0
Sars	3	0	0	0

5330417C22Rik	4	0	0	0
Tmem167b	2	0	0	0
Gpsm2	2	0	0	0
Prpf38b	7	0	0	0
Fam102b	3	0	0	0
XLOC_021596	1	0	0	0
Ntng1	7	0	0	0
Prmt6	2	0	0	0
Gm5548	1	0	0	0
Rnpc3	8	0	0	0
S1pr1	2	0	0	0
A930005H10Rik	2	0	0	0
Slc30a7	2	0	0	0
Vcam1	1	0	0	0
Cdc14a	6	0	0	0
Rtcd1	2	0	0	0
Gm4596	1	0	0	0
Ccdc76	6	0	0	0
Hiat1	3	0	0	0
Slc35a3	7	0	0	0
Agl	7	0	0	0
Palmd	6	0	0	0
D3Bwg0562e	3	0	0	0
Snx7	1	0	0	0
XLOC_021619	3	0	0	0
Ptbp2	6	0	0	0
XLOC_021623	4	0	0	0
Tmem56	4	0	0	0
Abcd3	5	0	0	0
Fnbp1l	6	0	0	0
AK016661	1	0	0	0
Usp53	8	0	0	0
Mettl14	3	0	0	0
BC096391	1	0	0	0
Ndst3	6	0	0	0
XLOC_021641	1	0	0	0
Ugt8a	3	0	0	0
Ank2	14	0	0	0
Ap1ar	8	0	0	0
Gm9387	1	0	0	0
Enpep	3	0	0	0
Egf	5	0	0	0
Gar1	3	0	0	0
Ccdc109b	2	0	0	0
Sec24b	7	0	0	0
Ostc	1	0	0	0
Rpl34	5	0	0	0

Hadh	1	0	0	0
Cyp2u1	6	0	0	0
Sgms2	3	0	0	0
Gstcd	3	0	0	0
Tet2	4	0	0	0
Cisd2	2	0	0	0
Dapp1	4	0	0	0
Gm5105	1	0	0	0
Metap1	3	0	0	0
Rap1gds1	4	0	0	0
Pdlim5	8	0	0	0
Pkn2	4	0	0	0
XLOC_021687	1	0	0	0
Lmo4	2	0	0	0
Sh3glb1	6	0	0	0
Cyr61	4	0	0	0
Rpf1	2	0	0	0
Prkacb	4	0	0	0
Gm10288	1	0	0	0
Rpsa-ps10	1	0	0	0
Ifi44	5	0	0	0
Gipc2	2	0	0	0
Semcap2	1	0	0	0
Dnajb4	6	0	0	0
Nexn	4	0	0	0
Fam73a	4	0	0	0
Ak5	5	0	0	0
St6galnac5	3	0	0	0
Rabggtb	3	0	0	0
Acadm	3	0	0	0
Fpgt	4	0	0	0
AK016265	1	0	0	0
BC048612	1	0	0	0
AK076987	1	0	0	0
Srsf11	6	0	0	0
XLOC_020802	2	0	0	0
XLOC_020809	2	0	0	0
Fat4	2	0	0	0
AK009813	1	0	0	0
3110057012Rik	5	0	0	0
XLOC_020844	3	0	0	0
Gm8234	1	0	0	0
Mbnl1	12	0	0	0
P2ry1	3	0	0	0
Lba	1	0	0	0
Muc1	1	0	0	0
Krtcap2	2	0	0	0

S100a2	1	0	0	0
S100a5	2	0	0	0
Selenbp2	1	0	0	0
Pi4kb	3	0	0	0
XLOC_021040	1	0	0	0
Gm5544	1	0	0	0
Rsbn1	2	0	0	0
Sass6	1	0	0	0
AK076759	2	0	0	0
XLOC_021160	3	0	0	0
Bdh2	2	0	0	0
Ube2d2b	6	0	0	0
XLOC_021173	5	0	0	0
XLOC_021177	1	0	0	0
Gbp1	2	0	0	0
Eltid1	3	0	0	0
Zzz3	4	0	0	0
XLOC_021218	4	0	0	0
Gm3076	1	0	0	0
Cryz	3	0	0	0
Lrrc40	2	0	0	0
AK012506	1	0	0	0
XLOC_021248	1	0	0	0
Fabp4	1	0	0	0
1810022K09Rik	3	0	0	0
Arpm1	1	0	0	0
Mrpl47	3	0	0	0
Nudt6	2	0	0	0
Exosc8	1	0	0	0
XLOC_021380	3	0	0	0
snoU90	1	0	0	0
Rpl32-ps	1	0	0	0
Hapln2	2	0	0	0
AK008852	1	0	0	0
1700021C14Rik	2	0	0	0
S100a1	1	0	0	0
Oaz3	1	0	0	0
Anxa9	4	0	0	0
Setdb1	5	0	0	0
Tars2	10	0	0	0
2410057H14Rik	2	0	0	0
Fam19a3	3	0	0	0
AK018929	3	0	0	0
Atp5f1	5	0	0	0
Gstm1	2	0	0	0
Gpr61	2	0	0	0
Alpk1	10	0	0	0



5730508B09Rik	2	0	0	0
Bank1	5	0	0	0
Tnni3k	1	0	0	0
Lrrc7	4	0	0	0
XLOC_020763	2	0	0	0
XLOC_020764	1	0	0	0
XLOC_020799	2	0	0	0
XLOC_020800	1	0	0	0
Sfrp2	1	0	0	0
XLOC_020907	1	0	0	0
Mrpl24	2	0	0	0
Gon4l	1	0	0	0
Pygo2	1	0	0	0
Lysmd1	2	0	0	0
AK020406	1	0	0	0
Ankrd34a	1	0	0	0
XLOC_021036	1	0	0	0
Pdzk1	1	0	0	0
Tbx15	1	0	0	0
XLOC_021053	1	0	0	0
XLOC_021078	3	0	0	0
XLOC_021114	1	0	0	0
XLOC_021145	1	0	0	0
AK050464	4	0	0	0
Cenpe	3	0	0	0
Gbp5	3	0	0	0
XLOC_021232	1	0	0	0
XLOC_021260	1	0	0	0
Naaladl2	1	0	0	0
Ect2	2	0	0	0
Gm6505	1	0	0	0
Lrrc34	2	0	0	0
Dnajc19	6	0	0	0
XLOC_021321	1	0	0	0
XLOC_021346	1	0	0	0
XLOC_021391	2	0	0	0
AK137033	1	0	0	0
AK158189	3	0	0	0
AK007191	1	0	0	0
Il6ra	2	0	0	0
Gabpb2	3	0	0	0
Gm16520	1	0	0	0
Chi3l3	1	0	0	0
AK041310	1	0	0	0
Gm15688	1	0	0	0
Ctca5	2	0	0	0
XLOC_021707	1	0	0	0

Tyw3	2	0	0	0
Chmp4c	1	0	0	0
XLOC_020770	1	0	0	0
XLOC_020811	2	0	0	0
Spry1	1	0	0	0
Plk4	5	0	0	0
XLOC_020874	7	0	0	0
Otol1	3	0	0	0
Gba	3	0	0	0
Sprr2i	1	0	0	0
Hmgcs2	1	0	0	0
XLOC_021071	2	0	0	0
XLOC_021094	1	0	0	0
XLOC_021121	2	0	0	0
Mrps28	1	0	0	0
XLOC_021273	3	0	0	0
XLOC_021279	1	0	0	0
RP24-396D16.1	2	0	0	0
AK144834	1	0	0	0
AK161073	2	0	0	0
Creb3l4	2	0	0	0
Slc27a3	1	0	0	0
Lce1f	2	0	0	0
Lce1g	1	0	0	0
Rprd2	1	0	0	0
XLOC_021542	3	0	0	0
Slc44a3	1	0	0	0
Synpo2	1	0	0	0
XLOC_021637	1	0	0	0
XLOC_021640	2	0	0	0
Mttp	2	0	0	0
Wdr63	3	0	0	0
Cth	1	0	0	0
Gm8935	1	0	0	0
Slc2a2	1	0	0	0
XLOC_020892	1	0	0	0
XLOC_020978	1	0	0	0
XLOC_021113	1	0	0	0
Gm9364	1	0	0	0
AK029402	1	0	0	0
XLOC_021144	1	0	0	0
H2afz	1	0	0	0
XLOC_021239	1	0	0	0
XLOC_021244	2	0	0	0
XLOC_021274	1	0	0	0
EG381438	1	0	0	0
XLOC_021476	1	0	0	0

Lor	1	0	0	0
XLOC_021517	1	0	0	0
XLOC_021601	1	0	0	0
Npnt	1	0	0	0
Clca1	1	0	0	0
XLOC_020750	1	0	0	0
AK020793	1	0	0	0
A330050B17Rik	1	0	0	0
XLOC_020851	1	0	0	0
XLOC_020873	1	0	0	0
Ppid	1	0	0	0
XLOC_020931	1	0	0	0
S100a7a	2	0	0	0
Sprr2g	1	0	0	0
Dennd2d	1	0	0	0
XLOC_021146	1	0	0	0
Cpa3	1	0	0	0
XLOC_021272	1	0	0	0
AK080657	1	0	0	0
XLOC_021309	1	0	0	0
Amy1	1	0	0	0
XLOC_021663	1	0	0	0
AK034519	1	0	0	0
AK077587	1	0	0	0
A1838599	5	0	0	0
Tgs1	4	0	0	0
Lyn	3	0	0	0
Chchd7	7	0	0	0
Fam110b	7	0	0	0
Ubxn2b	1	0	0	0
Sdcbp	6	0	0	0
Rab2a	3	0	0	0
Clvs1	2	0	0	0
2610301B20Rik	3	0	0	0
Gm11828	1	0	0	0
Trp53inp1	4	0	0	0
1110037F02Rik	2	0	0	0
Gem	2	0	0	0
AK005538	1	0	0	0
AK007255	1	0	0	0
XLOC_022711	9	0	0	0
XLOC_022713	6	0	0	0
Gm11818	2	0	0	0
Runx1t1	3	0	0	0
Tmem64	1	0	0	0
Calb1	2	0	0	0
Nbn	1	0	0	0

AK171183	1	0	0	0
AK080160	5	0	0	0
mt3-mmp	1	0	0	0
Fam82b	2	0	0	0
Ttpa	2	0	0	0
Ggh	2	0	0	0
Ccnc	7	0	0	0
Usp45	5	0	0	0
Sfrs18	7	0	0	0
6230409E13Rik	7	0	0	0
XLOC_022734	2	0	0	0
Fbxl4	6	0	0	0
F730047E07Rik	1	0	0	0
Mms22l	6	0	0	0
Ndufaf4	1	0	0	0
Epha7	6	0	0	0
Map3k7	5	0	0	0
XLOC_022743	2	0	0	0
Casp8ap2	2	0	0	0
Lym2	1	0	0	0
Rragd	5	0	0	0
Ube2j1	2	0	0	0
Srsf13b	4	0	0	0
Rngtt	2	0	0	0
Akirin2	2	0	0	0
Rars2	1	0	0	0
Aco1	3	0	0	0
Chmp5	3	0	0	0
Nfx1	5	0	0	0
Ube2r2	4	0	0	0
Ubap1	2	0	0	0
Nudt2	5	0	0	0
Ccl21b	2	0	0	0
Gm2506	4	0	0	0
N28178	17	0	0	0
Dnajb5	2	0	0	0
Atp8b5	8	0	0	0
Rusc2	10	0	0	0
Tesk1	2	0	0	0
Ccdc107	4	0	0	0
XLOC_022796	2	0	0	0
Npr2	7	0	0	0
5430416O09Rik	2	0	0	0
Reck	8	0	0	0
Glipr2	1	0	0	0
Clta	4	0	0	0
Zcchc7	4	0	0	0

Grhpr	1	0	0	0
Polr1e	3	0	0	0
Frmpd1	4	0	0	0
Rg9mtd3	3	0	0	0
Wdr32	2	0	0	0
Dcaf10	1	0	0	0
AK044089	2	0	0	0
Aldh1b1	1	0	0	0
Ncbp1	2	0	0	0
Anp32b	6	0	0	0
Nans	4	0	0	0
Galnt12	5	0	0	0
Col15a1	5	0	0	0
Sec61b	1	0	0	0
XLOC_022831	1	0	0	0
XLOC_022832	2	0	0	0
Nr4a3	1	0	0	0
Stx17	3	0	0	0
5730528L13Rik	4	0	0	0
Tmeff1	6	0	0	0
E130309F12Rik	4	0	0	0
Zfp189	1	0	0	0
Rnf20	6	0	0	0
Nipsnap3a	1	0	0	0
Nipsnap3b	1	0	0	0
Slc44a1	6	0	0	0
Fsd1l	3	0	0	0
Fktn	7	0	0	0
Tmem38b	1	0	0	0
Zfp462	7	0	0	0
XLOC_022856	2	0	0	0
Rad23b	2	0	0	0
BC026590	1	0	0	0
XLOC_022860	1	0	0	0
Gm12530	2	0	0	0
Musk	2	0	0	0
Dnajc25	2	0	0	0
Gng10	2	0	0	0
Ugcg	2	0	0	0
Hsd12	2	0	0	0
E130308A19Rik	4	0	0	0
XLOC_022870	3	0	0	0
Snx30	1	0	0	0
Gm12543	1	0	0	0
Slc31a2	1	0	0	0
Slc31a1	1	0	0	0
Prpf4	2	0	0	0

Bspry	3	0	0	0
Rgs3	7	0	0	0
Atp6v1g1	2	0	0	0
6330416G13Rik	6	0	0	0
Pappa	6	0	0	0
Trim32	2	0	0	0
Tlr4	4	0	0	0
Gm11221	1	0	0	0
Gm11222	1	0	0	0
Frmd3	4	0	0	0
Tyrp1	5	0	0	0
D4Bwg0951e	3	0	0	0
Gm11266	2	0	0	0
4930473A06Rik	8	0	0	0
XLOC_022910	5	0	0	0
XLOC_022911	2	0	0	0
Gm12418	1	0	0	0
Sh3gl2	4	0	0	0
Dennd4c	3	0	0	0
Mtap	1	0	0	0
XLOC_022924	2	0	0	0
Ift74	1	0	0	0
Tek	3	0	0	0
XLOC_022928	1	0	0	0
Hook1	7	0	0	0
Nfia	5	0	0	0
Inadl	11	0	0	0
Usp1	3	0	0	0
Atg4c	4	0	0	0
Alg6	4	0	0	0
Pgm2	2	0	0	0
Cachd1	2	0	0	0
AK002929	5	0	0	0
Dnajc6	7	0	0	0
Leprot	2	0	0	0
Lepr	3	0	0	0
XLOC_022952	1	0	0	0
Pde4b	5	0	0	0
Sgip1	9	0	0	0
Tctex1d1	6	0	0	0
Oma1	4	0	0	0
Dab1	10	0	0	0
Ppap2b	3	0	0	0
Gm12727	1	0	0	0
Dhcr24	1	0	0	0
Pars2	2	0	0	0
Ssbp3	7	0	0	0

Tmem59	3	0	0	0
Hspb11	2	0	0	0
Yipf1	2	0	0	0
Tmem48	4	0	0	0
Magoh	1	0	0	0
0610037L13Rik	7	0	0	0
Echdc2	3	0	0	0
2010305A19Rik	2	0	0	0
Zcchc11	7	0	0	0
Cc2d1b	4	0	0	0
Nrd1	5	0	0	0
Calr4	7	0	0	0
Eps15	5	0	0	0
Ttc39a	3	0	0	0
Bend5	4	0	0	0
Spata6	3	0	0	0
Gm12821	1	0	0	0
9130206I24Rik	6	0	0	0
Stil	2	0	0	0
Gm12833	2	0	0	0
4732418C07Rik	3	0	0	0
Atpaf1	3	0	0	0
Lrrc41	4	0	0	0
Pomgnt1	2	0	0	0
Pik3r3	5	0	0	0
Gpbp1l1	3	0	0	0
Ccdc17	8	0	0	0
Prdx1	2	0	0	0
Ccdc163	16	0	0	0
Tesk2	2	0	0	0
Mutyh	3	0	0	0
Zswim5	1	0	0	0
Hectd3	4	0	0	0
Tmem53	1	0	0	0
Eri3	5	0	0	0
Slc6a9	4	0	0	0
Med8	2	0	0	0
XLOC_023033	4	0	0	0
Elovl1	3	0	0	0
Ebna1bp2	5	0	0	0
Slc2a1	3	0	0	0
Ccdc23	1	0	0	0
Cldn19	2	0	0	0
Foxj3	5	0	0	0
Hivep3	5	0	0	0
Krc	4	0	0	0
XLOC_023043	2	0	0	0

Edn2	1	0	0	0
Scmh1	6	0	0	0
Cited4	1	0	0	0
Rims3	4	0	0	0
Col9a2	6	0	0	0
Gm12892	1	0	0	0
Ppt1	3	0	0	0
Mycl1	1	0	0	0
Trit1	8	0	0	0
XLOC_023052	2	0	0	0
Hpcal4	2	0	0	0
Heyl	2	0	0	0
Mycbp	1	0	0	0
Fhl3	11	0	0	0
Sf3a3	5	0	0	0
Inpp5b	2	0	0	0
Yrdc	4	0	0	0
Epha10	3	0	0	0
AK134673	10	0	0	0
9930104L06Rik	3	0	0	0
Gnl2	7	0	0	0
Snip1	1	0	0	0
2310005N01Rik	3	0	0	0
Grik3	3	0	0	0
Stk40	6	0	0	0
Fam176b	4	0	0	0
Trappc3	2	0	0	0
5730409E04Rik	2	0	0	0
Psmb2	1	0	0	0
Sfpq	5	0	0	0
Dlgap3	4	0	0	0
BC003266	1	0	0	0
XLOC_023094	8	0	0	0
Csm2	6	0	0	0
Phc2	5	0	0	0
XLOC_023096	1	0	0	0
A3galt2	2	0	0	0
Trim62	2	0	0	0
Ak2	5	0	0	0
Rnf19b	4	0	0	0
Tmem54	5	0	0	0
Fndc5	5	0	0	0
Yars	2	0	0	0
AK077492	2	0	0	0
Sync	2	0	0	0
Bsdc1	1	0	0	0
Ptp4a2	5	0	0	0



Col16a1	8	0	0	0
Pef1	4	0	0	0
Snrnp40	2	0	0	0
Nkain1	4	0	0	0
Sdc3	3	0	0	0
XLOC_023127	2	0	0	0
XLOC_023128	2	0	0	0
Mecr	2	0	0	0
Srsf4	3	0	0	0
Taf12	2	0	0	0
Snhg12	1	0	0	0
Dnajc8	4	0	0	0
Ptafr	1	0	0	0
Eya3	2	0	0	0
Rpa2	1	0	0	0
Ahdc1	5	0	0	0
Wasf2	3	0	0	0
XLOC_023144	1	0	0	0
Slc9a1	3	0	0	0
Ubxn11	10	0	0	0
Pafah2	8	0	0	0
Paqr7	4	0	0	0
Rhd	3	0	0	0
Syf2	2	0	0	0
Runx3	2	0	0	0
Srsf10	5	0	0	0
Hmgcl	2	0	0	0
Gale	5	0	0	0
Id3	1	0	0	0
E2f2	3	0	0	0
Asap3	3	0	0	0
Tcea3	3	0	0	0
Zfp46	5	0	0	0
Hnrnpr	5	0	0	0
Gm17388	2	0	0	0
6030445D17Rik	1	0	0	0
Luzp1	3	0	0	0
Gm13004	1	0	0	0
Hspg2	9	0	0	0
Usp48	8	0	0	0
Rap1gap	5	0	0	0
Ece1	3	0	0	0
Hp1bp3	7	0	0	0
Sh2d5	3	0	0	0
Kif17	11	0	0	0
Ddost	1	0	0	0
Mul1	3	0	0	0

Camk2n1	3	0	0	0
Tmco4	7	0	0	0
Capzb	1	0	0	0
Akr7a5	1	0	0	0
C230096C10Rik	1	0	0	0
Iffo2	4	0	0	0
Aldh4a1	2	0	0	0
Gm1667	2	0	0	0
XLOC_023207	1	0	0	0
Rcc2	5	0	0	0
Sdhb	2	0	0	0
Atp13a2	7	0	0	0
Fbxo42	6	0	0	0
XLOC_023214	2	0	0	0
Arhgef19	7	0	0	0
Hspb7	1	0	0	0
Casp9	3	0	0	0
XLOC_023226	2	0	0	0
Anp32b-ps1	1	0	0	0
Pramef8	2	0	0	0
Gm13082	1	0	0	0
Gm13152	6	0	0	0
2510039O18Rik	2	0	0	0
Nppb	1	0	0	0
Mthfr	5	0	0	0
Mad2l2	5	0	0	0
Fbxo2	4	0	0	0
Exosc10	2	0	0	0
Srm	1	0	0	0
Dffa	3	0	0	0
Lzic	2	0	0	0
Ctnnbip1	5	0	0	0
Clstn1	6	0	0	0
Gm13067	3	0	0	0
Gpr157	1	0	0	0
Gm5506	7	0	0	0
Errfi1	1	0	0	0
Dnajc11	2	0	0	0
Klhl21	1	0	0	0
Nol9	2	0	0	0
mKIAA0720	10	0	0	0
Tnfrsf25	3	0	0	0
Gpr153	5	0	0	0
Icmt	3	0	0	0
Chd5	4	0	0	0
A430005L14Rik	2	0	0	0
BC046331	3	0	0	0

Lrrc47	1	0	0	0
Megf6	6	0	0	0
AK083203	1	0	0	0
Hes5	2	0	0	0
Pank4	3	0	0	0
Pex10	2	0	0	0
Morn1	7	0	0	0
2610002J02Rik	5	0	0	0
2010015L04Rik	7	0	0	0
Gnb1	7	0	0	0
Nadk	5	0	0	0
XLOC_023310	1	0	0	0
Cdk11b	9	0	0	0
B930041F14Rik	1	0	0	0
Ssu72	6	0	0	0
Mrpl20	3	0	0	0
Aurkaip1	4	0	0	0
Mxra8	8	0	0	0
Dvl1	8	0	0	0
Fam132a	4	0	0	0
Sdf4	7	0	0	0
XLOC_023328	1	0	0	0
Tmem68	5	0	0	0
Penk	2	0	0	0
Impad1	1	0	0	0
Nsmaf	5	0	0	0
Tox	4	0	0	0
Car8	3	0	0	0
Asph	2	0	0	0
Plekhf2	1	0	0	0
2310030N02Rik	5	0	0	0
AK080292	2	0	0	0
Dpy19l4	5	0	0	0
Pdp1	4	0	0	0
Gm11843	1	0	0	0
Fam92a	10	0	0	0
Gm11826	1	0	0	0
Otud6b	7	0	0	0
Necab1	6	0	0	0
Decr1	1	0	0	0
Osgin2	5	0	0	0
Rip2	6	0	0	0
Cpne3	3	0	0	0
Nkain3	4	0	0	0
2610029I01Rik	1	0	0	0
Ufl1	4	0	0	0
1810074P20Rik	1	0	0	0

Manea	5	0	0	0
Gm11914	1	0	0	0
XLOC_023380	3	0	0	0
XLOC_023381	10	0	0	0
Ankrd6	7	0	0	0
Pm20d2	3	0	0	0
Pnrc1	4	0	0	0
Slc35a1	4	0	0	0
1700003M02Rik	4	0	0	0
1810030N24Rik	3	0	0	0
3110043O21Rik	3	0	0	0
Lingo2	8	0	0	0
Topors	1	0	0	0
Ndufb6	2	0	0	0
Smu1	1	0	0	0
B4galt1	3	0	0	0
Bag1	2	0	0	0
Nol6	5	0	0	0
Ubap2	9	0	0	0
Dcaf12	4	0	0	0
Kif24	1	0	0	0
Al464131	1	0	0	0
2310028H24Rik	6	0	0	0
Enho	1	0	0	0
Cntfr	8	0	0	0
2810432D09Rik	1	0	0	0
Dctn3	1	0	0	0
Sigmar1	1	0	0	0
XLOC_023426	1	0	0	0
Stoml2	2	0	0	0
B230312A22Rik	9	0	0	0
Fam166b	1	0	0	0
Rmrp	1	0	0	0
E130306D19Rik	3	0	0	0
Tln1	3	0	0	0
Gne	2	0	0	0
Rnf38	8	0	0	0
Zbtb5	4	0	0	0
Fbxo10	3	0	0	0
Tomm5	5	0	0	0
Exosc3	2	0	0	0
Mcart1	4	0	0	0
Shb	2	0	0	0
Tstd2	2	0	0	0
5830415F09Rik	4	0	0	0
Trim14	6	0	0	0
Coro2a	3	0	0	0

Tbc1d2	6	0	0	0
Gabbr2	2	0	0	0
Anks6	9	0	0	0
Alg2	2	0	0	0
Erp44	2	0	0	0
Tex10	3	0	0	0
2810432L12Rik	4	0	0	0
Grin3a	3	0	0	0
AK012547	1	0	0	0
Abca1	3	0	0	0
AI427809	5	0	0	0
XLOC_023480	1	0	0	0
Klf4	2	0	0	0
Cttnal1	7	0	0	0
D730040F13Rik	6	0	0	0
6430704M03Rik	2	0	0	0
Ptpn3	6	0	0	0
Txn1	6	0	0	0
Lpar1	4	0	0	0
Ptgr1	1	0	0	0
Susd1	8	0	0	0
1110054O05Rik	4	0	0	0
Zfp37	4	0	0	0
Fkbp15	7	0	0	0
Cdc26	4	0	0	0
Wdr31	6	0	0	0
Hdhd3	1	0	0	0
Pole3	1	0	0	0
Whrn	6	0	0	0
Tnc	6	0	0	0
Astn2	4	0	0	0
Dbc1	4	0	0	0
Gm11223	1	0	0	0
Gm11224	1	0	0	0
Megf9	1	0	0	0
Tle1	14	0	0	0
3110001D03Rik	2	0	0	0
Mpdz	10	0	0	0
Nfib	4	0	0	0
Zdhhc21	5	0	0	0
Cer1	2	0	0	0
Frem1	10	0	0	0
Ttc39b	3	0	0	0
Psip1	4	0	0	0
Bnc2	7	0	0	0
Haus6	3	0	0	0
Plin2	7	0	0	0

Slc24a2	6	0	0	0
Mllt3	4	0	0	0
Ptplad2	2	0	0	0
Klhl9	1	0	0	0
Cdkn2a	2	0	0	0
Cdkn2b	1	0	0	0
XLOC_023557	5	0	0	0
XLOC_023559	1	0	0	0
Elavl2	8	0	0	0
Gm12669	1	0	0	0
Tusc1	1	0	0	0
AK080222	2	0	0	0
5830433M19Rik	3	0	0	0
Plaa	5	0	0	0
4930579C15Rik	4	0	0	0
Mysm1	3	0	0	0
Cyp2j13	3	0	0	0
Cyp2j6	1	0	0	0
Cyp2j9	1	0	0	0
E130114P18Rik	4	0	0	0
Tm2d1	7	0	0	0
Kank4	4	0	0	0
Dock7	8	0	0	0
Gm12688	3	0	0	0
Itgb3bp	3	0	0	0
Gm12699	1	0	0	0
Jak1	8	0	0	0
Gm12799	1	0	0	0
InsI5	3	0	0	0
Slc35d1	3	0	0	0
Prkaa2	4	0	0	0
Gm12722	1	0	0	0
Pcsk9	6	0	0	0
BC055111	2	0	0	0
Ttc4	7	0	0	0
Gm1027	11	0	0	0
Acot11	3	0	0	0
Mrpl37	1	0	0	0
Gm12908	1	0	0	0
Cpt2	1	0	0	0
Scp2	3	0	0	0
Zyg11b	5	0	0	0
Fam159a	4	0	0	0
Gpx7	3	0	0	0
Zfyve9	6	0	0	0
Osbpl9	3	0	0	0
AK148461	4	0	0	0

Rnf11	1	0	0	0
Cdkn2c	2	0	0	0
Elavl4	7	0	0	0
Gm12818	1	0	0	0
Cmpk1	3	0	0	0
Cyp4x1	2	0	0	0
4930544O15Rik	2	0	0	0
Faah	1	0	0	0
Nsun4	4	0	0	0
Uqcrh	2	0	0	0
1520402A15Rik	2	0	0	0
Tmem69	2	0	0	0
Akr1a4	3	0	0	0
Mmachc	1	0	0	0
Toe1	6	0	0	0
Plk3	2	0	0	0
Rnf220	4	0	0	0
Atp6v0b	2	0	0	0
Dph2	3	0	0	0
Ipo13	11	0	0	0
St3gal3	6	0	0	0
Kdm4a	4	0	0	0
Ptprf	7	0	0	0
Szt2	10	0	0	0
Gm12858	1	0	0	0
Tie1	3	0	0	0
Zfp691	3	0	0	0
AU022252	4	0	0	0
Ybx1	7	0	0	0
Ccdc30	3	0	0	0
Ppcs	5	0	0	0
Rimk1a	4	0	0	0
Foxo6	1	0	0	0
Ctps	3	0	0	0
Kcnq4	4	0	0	0
Dem1	2	0	0	0
Smad2	4	0	0	0
Zmpste24	1	0	0	0
Rlf	5	0	0	0
Gm12873	2	0	0	0
Cap1	3	0	0	0
Mfsd2a	4	0	0	0
Ppie	2	0	0	0
Ndufs5	3	0	0	0
Akirin1	6	0	0	0
Utp11l	1	0	0	0
Cdca8	1	0	0	0

Zc3h12a	2	0	0	0
Mtap7d1	9	0	0	0
Adprhl2	5	0	0	0
Tekt2	3	0	0	0
Eif2c3	5	0	0	0
Eif2c1	3	0	0	0
Ncdn	8	0	0	0
Zmym4	6	0	0	0
Gja4	1	0	0	0
XLOC_023729	2	0	0	0
Zscan20	3	0	0	0
Zfp362	5	0	0	0
Adc	11	0	0	0
S100pbp	3	0	0	0
C77080	6	0	0	0
Zbtb8b	2	0	0	0
Lck	2	0	0	0
Fam167b	2	0	0	0
Eif3i	6	0	0	0
Txlna	7	0	0	0
Kpna6	6	0	0	0
Khdrbs1	1	0	0	0
Hcrtr1	5	0	0	0
Tinagl1	1	0	0	0
Serinc2	5	0	0	0
Zcchc17	3	0	0	0
XLOC_023758	2	0	0	0
Ptpu	8	0	0	0
AK047558	2	0	0	0
Oprd1	1	0	0	0
Ythdf2	2	0	0	0
Gmeb1	6	0	0	0
Rab42-ps	1	0	0	0
Trnau1ap	6	0	0	0
Rcc1	5	0	0	0
Snhg3	1	0	0	0
Phactr4	6	0	0	0
Med18	1	0	0	0
Sesn2	1	0	0	0
Atpif1	7	0	0	0
Xkr8	1	0	0	0
Ppp1r8	4	0	0	0
Stx12	6	0	0	0
Fam76a	3	0	0	0
Gpr3	4	0	0	0
Tmem222	3	0	0	0
Wdtdc1	6	0	0	0



Trnp1	3	0	0	0
Nudc	4	0	0	0
Zdhhc18	7	0	0	0
Pigv	6	0	0	0
Arid1a	5	0	0	0
Rps6ka1	4	0	0	0
Hmgn2	6	0	0	0
Dhdds	5	0	0	0
Sh3bgrl3	2	0	0	0
Ccdc21	3	0	0	0
Gm7534	4	0	0	0
Zfp593	1	0	0	0
Grrp1	4	0	0	0
Pdik1l	2	0	0	0
Fam54b	6	0	0	0
Sepn1	7	0	0	0
Man1c1	4	0	0	0
Ldlrap1	2	0	0	0
Tmem57	5	0	0	0
Tmem50a	4	0	0	0
Clic4	1	0	0	0
Srrm1	5	0	0	0
Rcan3	3	0	0	0
Pnrc2	2	0	0	0
Lypla2	1	0	0	0
1110049F12Rik	4	0	0	0
Tceb3	1	0	0	0
Rpl11	6	0	0	0
Kdm1a	3	0	0	0
C1qb	2	0	0	0
Epha8	8	0	0	0
Cdc42	9	0	0	0
Alpl	2	0	0	0
Pink1	3	0	0	0
Cda	3	0	0	0
Otud3	2	0	0	0
Htr6	1	0	0	0
Nbl1	4	0	0	0
2310028O11Rik	4	0	0	0
Gm16287	1	0	0	0
Pqlc2	7	0	0	0
Igsf21	5	0	0	0
Arhgef10l	8	0	0	0
Padi4	2	0	0	0
Necap2	4	0	0	0
D4Ertd22e	6	0	0	0
Gm694	1	0	0	0

Spen	7	0	0	0
Fblim1	2	0	0	0
Plekhm2	7	0	0	0
Ddi2	5	0	0	0
Dnajc16	4	0	0	0
Efhd2	2	0	0	0
9030409G11Rik	6	0	0	0
Prdm2	8	0	0	0
Pdpn	2	0	0	0
Vps13d	12	0	0	0
Tnfrsf1b	3	0	0	0
2610305D13Rik	3	0	0	0
Gm13157	8	0	0	0
Zfp933	4	0	0	0
Miip	7	0	0	0
Mfn2	4	0	0	0
Plod1	2	0	0	0
Agtrap	2	0	0	0
Fbxo44	4	0	0	0
Ptchd2	1	0	0	0
Tardbp	7	0	0	0
Apitd1	3	0	0	0
Rpsa-ps12	1	0	0	0
Pgd	4	0	0	0
Kif1b	7	0	0	0
Ube4b	5	0	0	0
Rbp7	1	0	0	0
Nmnat1	4	0	0	0
XLOC_023915	1	0	0	0
Pik3cd	3	0	0	0
Tmem201	6	0	0	0
Slc25a33	2	0	0	0
Gm13073	2	0	0	0
Spsb1	6	0	0	0
H6pd	4	0	0	0
Slc45a1	2	0	0	0
Park7	3	0	0	0
Vamp3	1	0	0	0
Camta1	9	0	0	0
Thap3	1	0	0	0
Phf13	3	0	0	0
Espn	5	0	0	0
Hes3	3	0	0	0
Kcnab2	7	0	0	0
Dffb	6	0	0	0
1190007F08Rik	2	0	0	0
Tprgl	4	0	0	0

Arhgef16	2	0	0	0
5930403L14Rik	1	0	0	0
2810405K02Rik	1	0	0	0
Tnfrsf14	4	0	0	0
Plch2	6	0	0	0
Rer1	2	0	0	0
Ski	6	0	0	0
Prkcz	11	0	0	0
Gabrd	4	0	0	0
Atad3a	11	0	0	0
Vwa1	4	0	0	0
Gltpd1	2	0	0	0
Agrn	15	0	0	0
Isg15	1	0	0	0
Plekhn1	11	0	0	0
XLOC_022700	2	0	0	0
Rbm12b	2	0	0	0
Mmp16	1	0	0	0
Coq3	3	0	0	0
XLOC_022742	1	0	0	0
Bach2	3	0	0	0
Mdn1	6	0	0	0
Gm12371	2	0	0	0
Dnaja1	4	0	0	0
Il11ra1	2	0	0	0
XLOC_022782	1	0	0	0
Tmem8b	2	0	0	0
XLOC_022822	1	0	0	0
Invs	2	0	0	0
Gm12482	1	0	0	0
XLOC_022880	2	0	0	0
AK131821	2	0	0	0
XLOC_022897	1	0	0	0
Kdm4c	5	0	0	0
BC042782	4	0	0	0
XLOC_022929	2	0	0	0
Foxd3	1	0	0	0
Efcab7	4	0	0	0
Fam151a	2	0	0	0
XLOC_022974	2	0	0	0
Glis1	6	0	0	0
Agbl4	2	0	0	0
4732418C07Rik	3	0	0	0
AK078255	2	0	0	0
Ptch2	5	0	0	0
XLOC_023028	1	0	0	0
Hyi	2	0	0	0

Mtf1	1	0	0	0
Mrps15	1	0	0	0
Lsm10	2	0	0	0
XLOC_023076	1	0	0	0
mKIAA1884	2	0	0	0
XLOC_023107	2	0	0	0
Zbtb8os	4	0	0	0
2510006D16Rik	4	0	0	0
AK005651	1	0	0	0
Cd164l2	4	0	0	0
ASK2	1	0	0	0
Fam46b	1	0	0	0
Nr0b2	1	0	0	0
2610002D18Rik	2	0	0	0
D4Wsu53e	2	0	0	0
Fuca1	1	0	0	0
XLOC_023166	1	0	0	0
XLOC_023182	1	0	0	0
Padi2	3	0	0	0
Mfap2	2	0	0	0
AK019631	2	0	0	0
Gm10565	2	0	0	0
Masp2	1	0	0	0
Casz1	3	0	0	0
Rpl22	3	0	0	0
Wdr8	3	0	0	0
Slc35e2	4	0	0	0
Gm5151	4	0	0	0
2610204G22Rik	4	0	0	0
Ccnl2	3	0	0	0
AK172315	1	0	0	0
AW011738	1	0	0	0
2310042D19Rik	1	0	0	0
4933421O10Rik	1	0	0	0
3110043O21Rik	3	0	0	0
Aptx	7	0	0	0
Ccl27a	2	0	0	0
Hint2	2	0	0	0
4930412F15Rik	2	0	0	0
XLOC_023464	4	0	0	0
Mrpl50	1	0	0	0
AI314180	4	0	0	0
Mup20	2	0	0	0
Gm12414	3	0	0	0
AK079280	2	0	0	0
Cyp2j12-ps	4	0	0	0
Wdr78	4	0	0	0

Prpf38a	3	0	0	0
Btf3l4	3	0	0	0
Urod	2	0	0	0
Gm1661	3	0	0	0
Dmap1	4	0	0	0
Ccdc24	1	0	0	0
Wdr65	3	0	0	0
AA415398	4	0	0	0
Nfyc	9	0	0	0
CK137956	1	0	0	0
AK019743	2	0	0	0
Zbtb8a	1	0	0	0
Gm12963	4	0	0	0
A330049M08Rik	5	0	0	0
Nipal3	6	0	0	0
Pla2g5	1	0	0	0
AK040418	1	0	0	0
Fhad1	5	0	0	0
Gm13240	1	0	0	0
Gm13136	1	0	0	0
Clcn6	4	0	0	0
Gm13077	1	0	0	0
Mmp23	2	0	0	0
Tmem88b	1	0	0	0
Ccne2	1	0	0	0
C430048L16Rik	3	0	0	0
Gm11872	1	0	0	0
Gpr63	1	0	0	0
AK045932	1	0	0	0
Dnaic1	2	0	0	0
Car9	2	0	0	0
Melk	1	0	0	0
XLOC_022806	3	0	0	0
Gm12430	1	0	0	0
XLOC_022861	1	0	0	0
4933430I17Rik	1	0	0	0
Gm11210	1	0	0	0
C630043F03Rik	1	0	0	0
XLOC_022903	1	0	0	0
XLOC_022930	1	0	0	0
Cyb5rl	1	0	0	0
Orc1	1	0	0	0
Rab3b	1	0	0	0
XLOC_023009	3	0	0	0
AK010894	1	0	0	0
Csf3r	7	0	0	0
AK019262	1	0	0	0

Fabp3	2	0	0	0
Laptm5	3	0	0	0
XLOC_023195	1	0	0	0
Epha2	3	0	0	0
XLOC_023224	1	0	0	0
Gm833	1	0	0	0
Tnfrsf18	1	0	0	0
Rps20	3	0	0	0
Igfbpl1	1	0	0	0
XLOC_023465	2	0	0	0
XLOC_023564	1	0	0	0
XLOC_023606	1	0	0	0
XLOC_023686	1	0	0	0
Zfp69	1	0	0	0
XLOC_023717	1	0	0	0
Padi1	1	0	0	0
XLOC_023867	2	0	0	0
XLOC_023929	1	0	0	0
Tas1r1	3	0	0	0
Rnf207	2	0	0	0
Fsbp	1	0	0	0
XLOC_022712	1	0	0	0
Creb3	1	0	0	0
Hrct1	1	0	0	0
XLOC_022807	1	0	0	0
AK019691	1	0	0	0
Ak4	1	0	0	0
Gm12824	1	0	0	0
Gm12848	1	0	0	0
Meaf6	1	0	0	0
Fgr	3	0	0	0
XLOC_023173	1	0	0	0
XLOC_023181	1	0	0	0
XLOC_023183	1	0	0	0
XLOC_023199	2	0	0	0
AK145533	1	0	0	0
Slc2a5	4	0	0	0
Mmel1	1	0	0	0
C030017K20Rik	1	0	0	0
AK035229	2	0	0	0
asp3	1	0	0	0
Gm13307	1	0	0	0
Spag8	1	0	0	0
AK141187	5	0	0	0
XLOC_023520	4	0	0	0
XLOC_023558	1	0	0	0
XLOC_023578	2	0	0	0

AK005616	1	0	0	0
Extl1	2	0	0	0
Padi3	1	0	0	0
Ubiad1	1	0	0	0
XLOC_023904	1	0	0	0
Tas1r3	1	0	0	0
Gm11841	1	0	0	0
XLOC_022757	1	0	0	0
1700055D18Rik	1	0	0	0
XLOC_022843	1	0	0	0
Snapc3	1	0	0	0
AK031234	1	0	0	0
XLOC_023147	1	0	0	0
Gm13051	1	0	0	0
XLOC_023314	1	0	0	0
Gm13305	1	0	0	0
Gm11488	1	0	0	0
Gm11413	1	0	0	0
Gm12666	1	0	0	0
Ppih	2	0	0	0
Bmp8a	1	0	0	0
Slc25a34	2	0	0	0
AK005641	1	0	0	0
XLOC_022761	1	0	0	0
XLOC_022825	1	0	0	0
AK042990	1	0	0	0
AK076859	1	0	0	0
AU040320	1	0	0	0
XLOC_023155	1	0	0	0
Myom3	1	0	0	0
nssr 1	1	0	0	0
XLOC_023236	1	0	0	0
XLOC_023283	1	0	0	0
XLOC_023327	1	0	0	0
XLOC_023379	1	0	0	0
XLOC_023382	1	0	0	0
AK048672	2	0	0	0
Rnf183	1	0	0	0
XLOC_023575	2	0	0	0
AK054420	1	0	0	0
Cd52	1	0	0	0
Gm10560	1	0	0	0
Gm15772	1	0	0	0
Cdk6	4	0	0	0
Fam133b	1	0	0	0
Krit1	4	0	0	0
Akap9	5	0	0	0

Gm9897	2	0	0	0
Gm8773	2	0	0	0
XLOC_025083	1	0	0	0
Gm8802	1	0	0	0
Steap4	1	0	0	0
Sri	1	0	0	0
Slc25a40	9	0	0	0
4930420K17Rik	2	0	0	0
9330182L06Rik	5	0	0	0
4933402N22Rik	5	0	0	0
Sema3d	2	0	0	0
Sema3e	1	0	0	0
Pclo	8	0	0	0
Cacna2d1	6	0	0	0
Hgf	2	0	0	0
Sema3c	1	0	0	0
Tmem60	2	0	0	0
Pion	7	0	0	0
Fgl2	1	0	0	0
Fam185a	3	0	0	0
Lrrc17	2	0	0	0
Gm6543	1	0	0	0
Armc10	7	0	0	0
Pmpcb	1	0	0	0
Psmc2	2	0	0	0
AK044020	2	0	0	0
Lhfp13	6	0	0	0
Mll5	1	0	0	0
Rint1	3	0	0	0
Klhl7	2	0	0	0
Nup12	1	0	0	0
Accn3	3	0	0	0
Agap3	9	0	0	0
Chpf2	2	0	0	0
Nub1	5	0	0	0
XLOC_025135	2	0	0	0
Galnt11	1	0	0	0
Actr3b	5	0	0	0
Dpp6	10	0	0	0
Htr5a	5	0	0	0
Insig1	1	0	0	0
Rbm33	10	0	0	0
Rnf32	4	0	0	0
Nom1	3	0	0	0
Ube3c	7	0	0	0
Dnajb6	3	0	0	0
Hadhb	5	0	0	0



Ept1	5	0	0	0
Kcnk3	2	0	0	0
4930471M23Rik	1	0	0	0
Cenp-a	2	0	0	0
Cenpa	1	0	0	0
Dpysl5	1	0	0	0
Tmem214	5	0	0	0
Agbl5	2	0	0	0
Emilin1	3	0	0	0
Khk	2	0	0	0
0610007C21Rik	1	0	0	0
Cad	6	0	0	0
Snx17	6	0	0	0
Nrbp1	8	0	0	0
Zfp512	6	0	0	0
Gpn1	4	0	0	0
Slc4a1ap	4	0	0	0
Mrpl33	1	0	0	0
Bre	5	0	0	0
Ppp1cb	4	0	0	0
Gm2420	1	0	0	0
XLOC_025181	3	0	0	0
Ywhah	7	0	0	0
Maea	2	0	0	0
4933407H18Rik	5	0	0	0
Tacc3	2	0	0	0
Fgfr3	5	0	0	0
Whsc1	8	0	0	0
Gm1673	3	0	0	0
Nat8l	5	0	0	0
Rnf4	3	0	0	0
Add1	9	0	0	0
Grk4	6	0	0	0
Rgs12	4	0	0	0
Dok7	6	0	0	0
XLOC_025200	6	0	0	0
Adra2c	1	0	0	0
XLOC_025201	2	0	0	0
Hmx1	2	0	0	0
Acox3	6	0	0	0
Ablim2	4	0	0	0
Afap1	7	0	0	0
Grpel1	1	0	0	0
Ccdc96	1	0	0	0
Crmp1	4	0	0	0
Evc2	8	0	0	0
XLOC_025216	2	0	0	0

XLOC_025217	1	0	0	0
Stx18	1	0	0	0
Lyar	6	0	0	0
Tmem128	1	0	0	0
Otop1	1	0	0	0
Gm7816	1	0	0	0
Cpeb2	4	0	0	0
C1qtnf7	4	0	0	0
Cc2d2a	7	0	0	0
Cd38	4	0	0	0
Clrn2	1	0	0	0
Lap3	3	0	0	0
XLOC_025238	3	0	0	0
Med28	2	0	0	0
Slit2	11	0	0	0
Pacrgl	2	0	0	0
Gm5555	1	0	0	0
9230114K14Rik	5	0	0	0
Sod3	1	0	0	0
Pi4k2b	3	0	0	0
Zcchc4	4	0	0	0
XLOC_025248	2	0	0	0
XLOC_025250	8	0	0	0
1810013D10Rik	1	0	0	0
Tbc1d19	6	0	0	0
Stim2	3	0	0	0
XLOC_025255	2	0	0	0
Gm15975	1	0	0	0
Cbfa2t2-ps1	1	0	0	0
G6pd2	1	0	0	0
3110047P20Rik	2	0	0	0
0610040J01Rik	2	0	0	0
mKIAA1108	1	0	0	0
Tbc1d1	7	0	0	0
Klf3	3	0	0	0
Fam114a1	1	0	0	0
Klhl5	8	0	0	0
Lias	2	0	0	0
Ube2k	4	0	0	0
N4bp2	3	0	0	0
Uchl1	6	0	0	0
Limch1	7	0	0	0
Gm6517	1	0	0	0
Slc30a9	6	0	0	0
XLOC_025279	4	0	0	0
Shisa3	1	0	0	0
XLOC_025284	4	0	0	0

Guf1	3	0	0	0
Gabrb1	2	0	0	0
Atp10d	11	0	0	0
Slain2	2	0	0	0
Slc10a4	4	0	0	0
Ociad1	2	0	0	0
Cwh43	1	0	0	0
Dcun1d4	6	0	0	0
2700023E23Rik	2	0	0	0
Rasl11b	1	0	0	0
Fip1l1	2	0	0	0
Kit	7	0	0	0
XLOC_025307	2	0	0	0
Srd5a3	5	0	0	0
XLOC_025308	2	0	0	0
Tmem165	1	0	0	0
Gm7271	3	0	0	0
C530008M17Rik	10	0	0	0
Paics	6	0	0	0
Polr2b	2	0	0	0
Lphn3	9	0	0	0
Ythdc1	7	0	0	0
Smr2	1	0	0	0
Rufy3	8	0	0	0
Mobkl1a	2	0	0	0
Dck	1	0	0	0
XLOC_025332	2	0	0	0
Pf4	1	0	0	0
Mthfd2l	8	0	0	0
Thap6	1	0	0	0
Uso1	4	0	0	0
Art3	5	0	0	0
	41893	4	0	0
Ccng2	1	0	0	0
Mrpl1	3	0	0	0
Bmp2k	6	0	0	0
Gm5560	1	0	0	0
Prdm8	5	0	0	0
Fgf5	3	0	0	0
Enoph1	2	0	0	0
Cops4	4	0	0	0
Mrps18c	4	0	0	0
Agpat9	3	0	0	0
AK020506	1	0	0	0
Cds1	8	0	0	0
Arhgap24	8	0	0	0
Aff1	4	0	0	0

Nudt9	2	0	0	0
Spp1	3	0	0	0
Pkd2	8	0	0	0
D930016D06Rik	10	0	0	0
Lrrc8b	1	0	0	0
Lrrc8c	4	0	0	0
Zfp326	3	0	0	0
Cdc7	5	0	0	0
Brdt	3	0	0	0
Ephx4	1	0	0	0
1700028K03Rik	1	0	0	0
Rpl5	6	0	0	0
Mtf2	5	0	0	0
Dr1	1	0	0	0
Pigg	2	0	0	0
AK141638	9	0	0	0
Pcgf3	2	0	0	0
Idua	6	0	0	0
XLOC_025401	2	0	0	0
Fgfr1	2	0	0	0
Zfp932	4	0	0	0
Zfp605	5	0	0	0
Chfr	4	0	0	0
Golga3	4	0	0	0
Ankle2	3	0	0	0
Pole	4	0	0	0
Ttc28	5	0	0	0
Pitpnb	4	0	0	0
Tpst2	2	0	0	0
Tfip11	3	0	0	0
Hps4	3	0	0	0
Wscd2	5	0	0	0
Ficd	3	0	0	0
Iscu	7	0	0	0
Usp30	7	0	0	0
Ung	2	0	0	0
Ube3b	4	0	0	0
Mvk	4	0	0	0
BC057022	3	0	0	0
Tchp	4	0	0	0
Ankrd13a	2	0	0	0
Oasl2	2	0	0	0
2210016L21Rik	1	0	0	0
Srsf9	2	0	0	0
Triap1	1	0	0	0
Msi1	4	0	0	0
Pxn	5	0	0	0

Rplp0	6	0	0	0
Gcn11	9	0	0	0
Taok3	6	0	0	0
Wsb2	6	0	0	0
AK158973	1	0	0	0
Nos1	2	0	0	0
Fbxo21	7	0	0	0
Tesc	6	0	0	0
2410131K14Rik	1	0	0	0
Med13l	5	0	0	0
Tbx3	4	0	0	0
Rbm19	3	0	0	0
Slc24a6	4	0	0	0
Ddx54	5	0	0	0
Oas1b	3	0	0	0
Naa25	2	0	0	0
Brap	2	0	0	0
Atxn2	7	0	0	0
Fam109a	6	0	0	0
Pptc7	3	0	0	0
Vps29	2	0	0	0
Arpc3	2	0	0	0
Anapc7	1	0	0	0
XLOC_025488	2	0	0	0
P2rx7	5	0	0	0
P2rx4	3	0	0	0
Rnf34	2	0	0	0
Orai1	2	0	0	0
Tmem120b	1	0	0	0
Psmc9	3	0	0	0
XLOC_025500	1	0	0	0
Wdr66	4	0	0	0
Bcl7a	3	0	0	0
XLOC_025501	1	0	0	0
Mlxip	3	0	0	0
Kntc1	4	0	0	0
Denr	1	0	0	0
Ogfod2	3	0	0	0
Arl6ip4	2	0	0	0
2810006K23Rik	1	0	0	0
Setd8	3	0	0	0
Snrrp35	2	0	0	0
Ddx55	3	0	0	0
Gtf2h3	3	0	0	0
Tctn2	4	0	0	0
Atp6v0a2	2	0	0	0
Zfp664	2	0	0	0

Fam101a	2	0	0	0
Bri3bp	2	0	0	0
Aacs	5	0	0	0
XLOC_025525	1	0	0	0
XLOC_025526	10	0	0	0
Tmem132c	1	0	0	0
Glt1d1	3	0	0	0
Ran	6	0	0	0
Mmp17	4	0	0	0
Mrps17	5	0	0	0
Gbas	2	0	0	0
4930579G22Rik	1	0	0	0
Crcp	4	0	0	0
Tpst1	2	0	0	0
Kctd7	1	0	0	0
Rabgef1	4	0	0	0
Gm15920	1	0	0	0
0610007L01Rik	3	0	0	0
Tyw1	3	0	0	0
Caln1	6	0	0	0
Gatsl2	2	0	0	0
Gtf2ird2	6	0	0	0
Rfc2	2	0	0	0
Wbscr27	10	0	0	0
Abhd11	5	0	0	0
Stx1a	2	0	0	0
Tbl2	1	0	0	0
Bcl7b	3	0	0	0
Baz1b	4	0	0	0
Nsun5	5	0	0	0
Rhbdd2	3	0	0	0
Por	6	0	0	0
Mdh2	3	0	0	0
Zp3	2	0	0	0
Dtx2	4	0	0	0
Polr2j	1	0	0	0
Alkbh4	4	0	0	0
Rab15	2	0	0	0
Fis1	4	0	0	0
Cldn15	4	0	0	0
Plod3	5	0	0	0
Ache	5	0	0	0
Ephb4	3	0	0	0
Gigyf1	5	0	0	0
Actl6b	5	0	0	0
Trfr2	6	0	0	0
Lrch4	5	0	0	0

Tsc22d4	3	0	0	0
2010007H12Rik	3	0	0	0
Zcwpw1	1	0	0	0
Azgp1	1	0	0	0
Zkscan1	2	0	0	0
Zscan21	2	0	0	0
Cops6	2	0	0	0
Ap4m1	2	0	0	0
Cnpy4	2	0	0	0
0910001L09Rik	4	0	0	0
Stag3	3	0	0	0
Zfp157	5	0	0	0
A430033K04Rik	1	0	0	0
Heatr2	2	0	0	0
Sun1	10	0	0	0
Get4	1	0	0	0
Gpr146	1	0	0	0
Gpr30	3	0	0	0
Mafk	2	0	0	0
XLOC_025613	2	0	0	0
Elfn1	2	0	0	0
Nudt1	3	0	0	0
XLOC_025616	5	0	0	0
Chst12	5	0	0	0
XLOC_025618	1	0	0	0
Lfng	2	0	0	0
AA881470	4	0	0	0
Sdk1	2	0	0	0
Foxk1	1	0	0	0
Wipi2	2	0	0	0
Slc29a4	5	0	0	0
Fscn1	5	0	0	0
Zfp12	4	0	0	0
Grid2ip	5	0	0	0
Kdelr2	1	0	0	0
Daglb	2	0	0	0
2810453I06Rik	1	0	0	0
Cyth3	3	0	0	0
D130017N08Rik	1	0	0	0
Eif2ak1	1	0	0	0
Rsph10b2	11	0	0	0
Lmtk2	4	0	0	0
Bri3	2	0	0	0
Nptx2	2	0	0	0
Arpc1a	1	0	0	0
Arpc1b	4	0	0	0
Cpsf4	3	0	0	0

Zkscan5	3	0	0	0
Zfp655	2	0	0	0
Zfp498	4	0	0	0
Cdk8	12	0	0	0
Wasf3	4	0	0	0
XLOC_025657	1	0	0	0
Rasl11a	1	0	0	0
Gtf3a	1	0	0	0
Polr1d	4	0	0	0
Pan3	9	0	0	0
Pomp	4	0	0	0
Mtus2	5	0	0	0
AK087624	1	0	0	0
Uspl1	5	0	0	0
Alox5ap	7	0	0	0
AK138849	5	0	0	0
6330406I15Rik	4	0	0	0
B3galtl	4	0	0	0
Fry	13	0	0	0
Brca2	6	0	0	0
Pds5b	4	0	0	0
Kl	2	0	0	0
Gatad1	1	0	0	0
Ankib1	2	0	0	0
Mterf	3	0	0	0
Cyp51	3	0	0	0
Cdk14	9	0	0	0
Cldn12	2	0	0	0
Gtpbp10	2	0	0	0
Steap2	6	0	0	0
Steap1	1	0	0	0
Dbf4	1	0	0	0
Rundc3b	4	0	0	0
Crot	5	0	0	0
Dmtf1	7	0	0	0
Grm3	1	0	0	0
Gm5152	2	0	0	0
Speer4c	2	0	0	0
Gm3510	2	0	0	0
Cd36	7	0	0	0
Gnai1	4	0	0	0
Phtf2	5	0	0	0
Rsbn1l	5	0	0	0
Ptpn12	5	0	0	0
Napepld	3	0	0	0
Dnajc2	1	0	0	0
Reln	2	0	0	0



AK017143	2	0	0	0
Srpk2	4	0	0	0
ENSMUSG00000073777	1	0	0	0
Tomm7	1	0	0	0
Fam126a	6	0	0	0
XLOC_025735	4	0	0	0
Kcnh2	5	0	0	0
Cdk5	2	0	0	0
Tmub1	4	0	0	0
Gbx1	4	0	0	0
Rheb	2	0	0	0
Prkag2	9	0	0	0
Paxip1	8	0	0	0
Shh	1	0	0	0
Lmbr1	3	0	0	0
Tyms	5	0	0	0
Hadha	5	0	0	0
Gm16288	1	0	0	0
Ost4	3	0	0	0
Cgref1	1	0	0	0
Preb	2	0	0	0
Slc5a6	6	0	0	0
Gtf3c2	11	0	0	0
Eif2b4	2	0	0	0
Ppm1g	8	0	0	0
Ift172	8	0	0	0
Fndc4	3	0	0	0
Supt7l	2	0	0	0
AK036733	3	0	0	0
XLOC_025779	1	0	0	0
Pisd	7	0	0	0
C330019G07Rik	5	0	0	0
Ctbp1	7	0	0	0
Slbp	2	0	0	0
Tmem129	3	0	0	0
Letm1	5	0	0	0
Whsc2	3	0	0	0
Mxd4	3	0	0	0
Zfyve28	6	0	0	0
Tnip2	5	0	0	0
Mfsd10	5	0	0	0
Nop14	1	0	0	0
Lrpap1	1	0	0	0
2310079F23Rik	5	0	0	0
Sh3tc1	6	0	0	0
Sorcs2	5	0	0	0
AK144870	4	0	0	0

AK043305	1	0	0	0
Tada2b	1	0	0	0
Tbc1d14	4	0	0	0
D5Erttd579e	3	0	0	0
XLOC_025812	2	0	0	0
Mrfp1	2	0	0	0
Man2b2	2	0	0	0
Wfs1	3	0	0	0
Nsg1	3	0	0	0
Slc2a9	5	0	0	0
Wdr1	6	0	0	0
Zfp518b	6	0	0	0
Hs3st1	2	0	0	0
XLOC_025828	3	0	0	0
Rab28	5	0	0	0
Fbxl5	1	0	0	0
Tapt1	3	0	0	0
Ldb2	5	0	0	0
Qdpr	5	0	0	0
Lcorl	6	0	0	0
Kcnp4	6	0	0	0
Gpr125	7	0	0	0
Ppargc1a	2	0	0	0
Dhx15	1	0	0	0
Lgi2	3	0	0	0
Sepsecs	6	0	0	0
Sel1l3	6	0	0	0
Cckar	6	0	0	0
XLOC_025855	1	0	0	0
Rell1	2	0	0	0
Rfc1	9	0	0	0
Ugdh	5	0	0	0
1110003E01Rik	3	0	0	0
Pds5a	6	0	0	0
Bend4	5	0	0	0
Atp8a1	7	0	0	0
Gnpda2	5	0	0	0
Gabrg1	4	0	0	0
Gabra2	8	0	0	0
Gabra4	4	0	0	0
Commdb	4	0	0	0
Corin	2	0	0	0
Nfxl1	5	0	0	0
Fryl	10	0	0	0
Ociad2	1	0	0	0
Sgcb	2	0	0	0
Usp46	2	0	0	0

Scfd2	2	0	0	0
Chic2	1	0	0	0
Kdr	3	0	0	0
Nmu	2	0	0	0
AASDH	5	0	0	0
Ppat	1	0	0	0
Hopx	3	0	0	0
Spink2	3	0	0	0
2610024G14Rik	1	0	0	0
Gm2199	1	0	0	0
Cenpc1	7	0	0	0
Uba6	4	0	0	0
Tmprss11c	4	0	0	0
Igj	4	0	0	0
Grsf1	4	0	0	0
Gc	2	0	0	0
Adamts3	4	0	0	0
Cox18	4	0	0	0
Ankrd17	6	0	0	0
XLOC_025917	2	0	0	0
Rassf6	6	0	0	0
Rchy1	3	0	0	0
Cdkl2	7	0	0	0
G3bp2	7	0	0	0
Naaa	1	0	0	0
Sdad1	2	0	0	0
Cxcl9	1	0	0	0
Cxcl10	2	0	0	0
Nup54	9	0	0	0
Scarb2	4	0	0	0
Ankrd56	1	0	0	0
Cnot6l	3	0	0	0
Paqr3	3	0	0	0
Antxr2	8	0	0	0
Tmem150c	4	0	0	0
Sec31a	7	0	0	0
5430416N02Rik	2	0	0	0
Lin54	8	0	0	0
Plac8	1	0	0	0
Coq2	8	0	0	0
Fam175a	1	0	0	0
Nkx6-1	2	0	0	0
Mapk10	9	0	0	0
Slc10a6	1	0	0	0
Klhl8	5	0	0	0
Hsd17b11	4	0	0	0
Sparcl1	4	0	0	0

Zfp951	6	0	0	0
Gbp9	3	0	0	0
Gbp4	6	0	0	0
AK138287	3	0	0	0
AK087483	1	0	0	0
Zfp644	11	0	0	0
Tgfbr3	3	0	0	0
Gm9727	1	0	0	0
Glmn	1	0	0	0
Evi5	11	0	0	0
Fam69a	2	0	0	0
Tmed5	1	0	0	0
Atp5k	2	0	0	0
Mfsd7a	8	0	0	0
Cplx1	4	0	0	0
Gak	7	0	0	0
Dgkq	3	0	0	0
Crif2	9	0	0	0
XLOC_025991	3	0	0	0
5430403G16Rik	1	0	0	0
Gtpbp6	11	0	0	0
Pgam5	4	0	0	0
P2rx2	4	0	0	0
Noc4l	1	0	0	0
Pus1	3	0	0	0
Ulk1	6	0	0	0
Hscb	3	0	0	0
Miat	16	0	0	0
Asphd2	7	0	0	0
Sez6l	8	0	0	0
Adrbk2	5	0	0	0
Crybb3	5	0	0	0
2900026A02Rik	6	0	0	0
Sgsm1	4	0	0	0
Sart3	7	0	0	0
Coro1c	4	0	0	0
Ssh1	4	0	0	0
Svop	5	0	0	0
Kctd10	4	0	0	0
Mmab	4	0	0	0
Trpv4	6	0	0	0
Gltf	1	0	0	0
Git2	9	0	0	0
2610524H06Rik	3	0	0	0
Acads	1	0	0	0
Unc119b	2	0	0	0
Mlec	4	0	0	0

Cabp1	7	0	0	0
Rnf10	6	0	0	0
Dynll1	2	0	0	0
Gatc	2	0	0	0
Cox6a1	1	0	0	0
Sirt4	7	0	0	0
Ccdc64	6	0	0	0
Prkab1	6	0	0	0
Tmem233	6	0	0	0
Hspb8	5	0	0	0
Srrm4	6	0	0	0
Suds3	3	0	0	0
Pebp1	4	0	0	0
Fbxw8	4	0	0	0
Rnft2	7	0	0	0
Gm16065	2	0	0	0
Sdsl	6	0	0	0
Plbd2	2	0	0	0
Tpcn1	4	0	0	0
Oas2	7	0	0	0
Oas1c	8	0	0	0
Oas1a	1	0	0	0
Rph3a	10	0	0	0
Ptpn11	4	0	0	0
Erp29	3	0	0	0
Mapkapk5	7	0	0	0
Aldh2	3	0	0	0
Tctn1	3	0	0	0
1500011H22Rik	2	0	0	0
Atp2a2	5	0	0	0
Camkk2	3	0	0	0
Anapc5	10	0	0	0
Morn3	2	0	0	0
Rhof	2	0	0	0
Diablo	4	0	0	0
Vps33a	7	0	0	0
Clip1	8	0	0	0
Zcchc8	7	0	0	0
Rsrc2	3	0	0	0
Vps37b	1	0	0	0
Abcb9	5	0	0	0
Pitpm2	8	0	0	0
Mphosph9	8	0	0	0
Cdk2ap1	3	0	0	0
Sbno1	4	0	0	0
Rilpl2	1	0	0	0
Rilpl1	2	0	0	0

Eif2b1	2	0	0	0
Ccdc92	9	0	0	0
Scarb1	3	0	0	0
Ubc	1	0	0	0
Dhx37	4	0	0	0
Slc15a4	9	0	0	0
Tmem132d	3	0	0	0
5930412G12Rik	6	0	0	0
Rimbp2	10	0	0	0
Stx2	4	0	0	0
Zfp11	1	0	0	0
Chchd2	7	0	0	0
Gusb	2	0	0	0
Asl	3	0	0	0
Sbds	3	0	0	0
Wbscr17	8	0	0	0
XLOC_026147	2	0	0	0
Auts2	15	0	0	0
Wbscr16	4	0	0	0
Ncf1	4	0	0	0
Gtf2i	9	0	0	0
Gtf2ird1	9	0	0	0
Clip2	9	0	0	0
Eif4h	4	0	0	0
Vps37d	3	0	0	0
Fzd9	1	0	0	0
Pom121	2	0	0	0
Hip1	7	0	0	0
Tmem120a	2	0	0	0
Styxl1	1	0	0	0
Ywhag	4	0	0	0
Lrwd1	2	0	0	0
Orai2	4	0	0	0
Prkrip1	2	0	0	0
Cux1	5	0	0	0
Emid2	5	0	0	0
Znhit1	4	0	0	0
Ap1s1	3	0	0	0
Trim56	3	0	0	0
Srrt	4	0	0	0
Slc12a9	3	0	0	0
Pop7	1	0	0	0
Gnb2	6	0	0	0
Mospd3	3	0	0	0
Pcolce	2	0	0	0
Irs3	1	0	0	0
Agfg2	5	0	0	0

6430598A04Rik	4	0	0	0
Mepce	4	0	0	0
Pilra	2	0	0	0
Pilrb2	3	0	0	0
Cyp3a13	5	0	0	0
Gjc3	3	0	0	0
Taf6	5	0	0	0
BC037034	6	0	0	0
Zfp68	2	0	0	0
Pdgfa	7	0	0	0
Prkar1b	6	0	0	0
Adap1	4	0	0	0
Cox19	3	0	0	0
3110082I17Rik	2	0	0	0
Zfand2a	4	0	0	0
Ints1	7	0	0	0
Psmg3	2	0	0	0
Ftsj2	2	0	0	0
Snx8	4	0	0	0
Ttyh3	5	0	0	0
lqce	4	0	0	0
Gna12	2	0	0	0
Card11	8	0	0	0
Radil	2	0	0	0
Tnrc18	8	0	0	0
Fbxl18	7	0	0	0
Actb	2	0	0	0
Rnf216	8	0	0	0
Rbak	7	0	0	0
E130309D02Rik	2	0	0	0
Zdhhc4	8	0	0	0
Rac1	6	0	0	0
Usp42	2	0	0	0
Aimp2	2	0	0	0
Tecpr1	5	0	0	0
Tmem130	5	0	0	0
Smurf1	5	0	0	0
Pdap1	2	0	0	0
Atp5j2	3	0	0	0
Zkscan14	4	0	0	0
Rnf6	4	0	0	0
Usp12	6	0	0	0
Mtif3	2	0	0	0
XLOC_026263	4	0	0	0
Lnx2	3	0	0	0
Flt3	1	0	0	0
Flt1	6	0	0	0

Slc7a1	3	0	0	0
Ubl3	5	0	0	0
Katnal1	7	0	0	0
AK079377	1	0	0	0
AK007907	1	0	0	0
AK036974	1	0	0	0
Hmgb1	1	0	0	0
Hsph1	4	0	0	0
Gm5	2	0	0	0
N4bp2l2	6	0	0	0
Stard13	8	0	0	0
Rfc3	2	0	0	0
Pex1	1	0	0	0
Abcb4	1	0	0	0
XLOC_025099	4	0	0	0
XLOC_025101	4	0	0	0
Nos3	1	0	0	0
Slc4a2	4	0	0	0
1700096K18Rik	1	0	0	0
9530036O11Rik	7	0	0	0
XLOC_025191	10	0	0	0
Fam193a	3	0	0	0
Htt	3	0	0	0
A930005I04Rik	1	0	0	0
XLOC_025197	2	0	0	0
Cyt11	1	0	0	0
Rbpj	1	0	0	0
Pcdh7	5	0	0	0
XLOC_025269	2	0	0	0
Nsun7	5	0	0	0
XLOC_025280	2	0	0	0
AK035785	1	0	0	0
XLOC_025310	1	0	0	0
Exoc1	5	0	0	0
Cep135	9	0	0	0
Slc4a4	3	0	0	0
1700007G11Rik	4	0	0	0
4930524J08Rik	1	0	0	0
Lrrc8d	8	0	0	0
AK085824	1	0	0	0
XLOC_025384	1	0	0	0
A830010M20Rik	2	0	0	0
Rpap2	2	0	0	0
Gm3511	1	0	0	0
Pop5	4	0	0	0
Coq5	1	0	0	0
XLOC_025452	1	0	0	0



B230112J18Rik	1	0	0	0
XLOC_025455	1	0	0	0
Myl2	2	0	0	0
Ppp1cc	2	0	0	0
AK079939	2	0	0	0
XLOC_025494	2	0	0	0
XLOC_025495	1	0	0	0
Setd1b	4	0	0	0
mKIAA1076	3	0	0	0
Dnahc10	9	0	0	0
Sfswap	1	0	0	0
Srsf8	6	0	0	0
Vkorc1l1	2	0	0	0
XLOC_025573	1	0	0	0
AK134703	1	0	0	0
C330006K01Rik	3	0	0	0
0610040B10Rik	2	0	0	0
Rpl21	1	0	0	0
XLOC_025661	3	0	0	0
XLOC_025663	1	0	0	0
AK009869	4	0	0	0
XLOC_025673	1	0	0	0
XLOC_025674	2	0	0	0
Adam22	3	0	0	0
AK046351	5	0	0	0
Fbxl13	1	0	0	0
A930003O13Rik	3	0	0	0
Pus7	4	0	0	0
Rbks	1	0	0	0
Haus3	1	0	0	0
Gm7854	1	0	0	0
C130083M11Rik	1	0	0	0
XLOC_025863	1	0	0	0
LnX1	2	0	0	0
Clock	3	0	0	0
Igfbp7	2	0	0	0
XLOC_025910	1	0	0	0
Ppef2	4	0	0	0
Ccni	4	0	0	0
Hnrnpd	4	0	0	0
Hnrpdl	6	0	0	0
Mpa2l	5	0	0	0
AK019690	1	0	0	0
XLOC_025996	1	0	0	0
Pxmp2	1	0	0	0
Rfc5	3	0	0	0
1110008J03Rik	1	0	0	0

Sh2b3	4	0	0	0
Tect1	1	0	0	0
Al480526	7	0	0	0
XLOC_026125	1	0	0	0
XLOC_026158	2	0	0	0
Eln	5	0	0	0
Wbscr22	1	0	0	0
Srcrb4d	1	0	0	0
Sh2b2	5	0	0	0
Fbxo24	2	0	0	0
Zfp113	3	0	0	0
Mcm7	2	0	0	0
Mad1l1	5	0	0	0
Grifin	1	0	0	0
XLOC_026251	3	0	0	0
Slc46a3	2	0	0	0
Abcb1a	1	0	0	0
AK002390	1	0	0	0
XLOC_025234	1	0	0	0
XLOC_025236	1	0	0	0
AK017706	2	0	0	0
3110047P20Rik	2	0	0	0
XLOC_025285	1	0	0	0
XLOC_025294	1	0	0	0
XLOC_025296	1	0	0	0
Pdgfra	6	0	0	0
XLOC_025306	2	0	0	0
Rest	2	0	0	0
Bmp3	1	0	0	0
2310034O05Rik	1	0	0	0
Gm8258	1	0	0	0
XLOC_025434	2	0	0	0
XLOC_025450	1	0	0	0
Hvcn1	1	0	0	0
Gpn3	1	0	0	0
Ccdc62	7	0	0	0
XLOC_025532	1	0	0	0
Mlxipl	1	0	0	0
4933404O12Rik	1	0	0	0
XLOC_025595	2	0	0	0
Pms2	3	0	0	0
AK153727	1	0	0	0
XLOC_025653	1	0	0	0
XLOC_025706	2	0	0	0
Mpv17	2	0	0	0
XLOC_025802	2	0	0	0
Msx1	1	0	0	0

Zfp509	1	0	0	0
Fgfbp1	1	0	0	0
Apbb2	5	0	0	0
Gm5868	2	0	0	0
Btc	1	0	0	0
Cxcl11	2	0	0	0
Helq	5	0	0	0
AK133807	1	0	0	0
AK087393	2	0	0	0
Crybb2	1	0	0	0
XLOC_026040	2	0	0	0
XLOC_026065	1	0	0	0
Ccdc63	1	0	0	0
Rad9b	2	0	0	0
Wbscr25	1	0	0	0
Ccl24	1	0	0	0
XLOC_026221	3	0	0	0
Baiap2l1	2	0	0	0
N4bp2l1	4	0	0	0
XLOC_025095	3	0	0	0
Speer1-ps1	1	0	0	0
4831440E17Rik	1	0	0	0
XLOC_025202	1	0	0	0
Bst1	2	0	0	0
XLOC_025277	2	0	0	0
Nipal1	1	0	0	0
Mthfr-ps1	1	0	0	0
Stap1	1	0	0	0
XLOC_025323	1	0	0	0
XLOC_025429	1	0	0	0
Gm13830	2	0	0	0
AK049264	2	0	0	0
mKIAA0614	2	0	0	0
Tmed2	1	0	0	0
XLOC_025527	2	0	0	0
Fzd10	1	0	0	0
AK005905	1	0	0	0
XLOC_025644	1	0	0	0
Gm9758	2	0	0	0
Atg9b	2	0	0	0
Wdr86	1	0	0	0
Crygn	1	0	0	0
Kat2b-ps	1	0	0	0
AK030263	1	0	0	0
AK003103	1	0	0	0
XLOC_026066	1	0	0	0
Oas3	1	0	0	0

Oas1e	1	0	0	0
Psph	1	0	0	0
2010001M06Rik	3	0	0	0
XLOC_026242	3	0	0	0
1700109H08Rik	1	0	0	0
Gm6465	1	0	0	0
2010209O12Rik	2	0	0	0
XLOC_025235	2	0	0	0
Rhoh	1	0	0	0
XLOC_025387	1	0	0	0
XLOC_025396	2	0	0	0
AK142681	2	0	0	0
XLOC_025432	2	0	0	0
XLOC_025523	1	0	0	0
XLOC_025574	1	0	0	0
XLOC_025641	1	0	0	0
XLOC_025705	1	0	0	0
Speer4e	1	0	0	0
Fastk	1	0	0	0
Smarcd3	2	0	0	0
Gm10220	1	0	0	0
Rpl9	1	0	0	0
Tmprss11f	1	0	0	0
Ccdc158	1	0	0	0
Slc26a1	2	0	0	0
AK053084	1	0	0	0
Gm10167	1	0	0	0
XLOC_025226	1	0	0	0
AK149205	1	0	0	0
XLOC_025266	1	0	0	0
XLOC_025288	1	0	0	0
Znf326	1	0	0	0
Sumf2	1	0	0	0
XLOC_025636	1	0	0	0
Cpz	1	0	0	0
XLOC_025900	1	0	0	0
AK138792	1	0	0	0
Srrd	1	0	0	0
XLOC_026131	1	0	0	0
XLOC_026135	1	0	0	0
Ccdc132	3	0	0	0
Gng11	1	0	0	0
XLOC_027557	3	0	0	0
Col1a2	7	0	0	0
Casd1	4	0	0	0
Neurabin	10	0	0	0
Dync1i1	4	0	0	0

Acn9	1	0	0	0
Tac1	9	0	0	0
C1galt1	1	0	0	0
Mios	1	0	0	0
Phf14	4	0	0	0
Tmem106b	2	0	0	0
AK003812	3	0	0	0
Mdfic	4	0	0	0
Tes	1	0	0	0
Cav2	1	0	0	0
Cav1	6	0	0	0
Met	4	0	0	0
Capza2	1	0	0	0
St7	7	0	0	0
Naa38	1	0	0	0
Ing3	2	0	0	0
Wnt16	3	0	0	0
XLOC_027589	3	0	0	0
Ptprz1	8	0	0	0
6530409C15Rik	2	0	0	0
Arf5	2	0	0	0
Snd1	7	0	0	0
Gm3294	4	0	0	0
2310016C08Rik	1	0	0	0
Calu	2	0	0	0
Ccdc136	5	0	0	0
Atp6v1f	1	0	0	0
Irf5	3	0	0	0
Tspan33	2	0	0	0
Smo	2	0	0	0
Ahcyl2	8	0	0	0
Fam40b	4	0	0	0
Nrf1	5	0	0	0
Klhdc10	4	0	0	0
1700025E21Rik	1	0	0	0
Mest	1	0	0	0
Gm13844	1	0	0	0
Mkln1	5	0	0	0
AK080631	7	0	0	0
XLOC_027620	1	0	0	0
Exoc4	6	0	0	0
Akr1b10	1	0	0	0
Bpgm	1	0	0	0
Cald1	3	0	0	0
XLOC_027632	4	0	0	0
1810058I24Rik	4	0	0	0
XLOC_027634	1	0	0	0

Chrm2	3	0	0	0
Trim24	6	0	0	0
Ubn2	3	0	0	0
1110001J03Rik	1	0	0	0
Luc7l2	12	0	0	0
Tbxas1	5	0	0	0
Rab19	1	0	0	0
AK047163	2	0	0	0
Adck2	3	0	0	0
Ndufb2	2	0	0	0
Gm5567	2	0	0	0
Agk	6	0	0	0
Ssbp1	5	0	0	0
H4	2	0	0	0
Ephb6	6	0	0	0
Gstk1	1	0	0	0
Casp2	6	0	0	0
Zyx	9	0	0	0
Zfp282	3	0	0	0
XLOC_027668	1	0	0	0
mKIAA4190	8	0	0	0
AI894139	1	0	0	0
Sspo	13	0	0	0
Atp6v0e2	3	0	0	0
Lrrc61	2	0	0	0
Repin1	7	0	0	0
Zfp775	1	0	0	0
Gimap8	4	0	0	0
Gimap4	3	0	0	0
Gimap5	4	0	0	0
Tmem176a	6	0	0	0
Gpnmb	2	0	0	0
2410003K15Rik	7	0	0	0
Ccdc126	2	0	0	0
D330028D13Rik	3	0	0	0
Npy	4	0	0	0
Mpp6	4	0	0	0
Snx10	8	0	0	0
Tax1bp1	7	0	0	0
Creb5	4	0	0	0
Chn2	4	0	0	0
Wipf3	2	0	0	0
Plekha8	1	0	0	0
2410066E13Rik	2	0	0	0
Znrf2	1	0	0	0
Fam188b	3	0	0	0
Aqp1	3	0	0	0

XLOC_027712	2	0	0	0
Avl9	2	0	0	0
Fkbp9	1	0	0	0
Herc6	3	0	0	0
Lancl2	4	0	0	0
Rps15-ps2	1	0	0	0
Abcg2	4	0	0	0
Tigd2	1	0	0	0
Fam190a	4	0	0	0
Grid2	3	0	0	0
XLOC_027723	2	0	0	0
Smarcad1	3	0	0	0
C130060K24Rik	4	0	0	0
A930038C07Rik	2	0	0	0
Mad2l1	7	0	0	0
Gng12	3	0	0	0
Gm8566	1	0	0	0
Serbp1	4	0	0	0
Eif2ak3	3	0	0	0
Krcc1	2	0	0	0
Rnf103	3	0	0	0
Vps24	7	0	0	0
Reep1	2	0	0	0
Immt	10	0	0	0
Polr1a	4	0	0	0
St3gal5	1	0	0	0
0610030E20Rik	4	0	0	0
Tmem150a	2	0	0	0
Ggcx	1	0	0	0
Capg	4	0	0	0
Suclg1	5	0	0	0
Lrrtm1	6	0	0	0
Lrrtm4	4	0	0	0
Fam176a	1	0	0	0
Ccdc142	5	0	0	0
Mogs	1	0	0	0
Rtkn	7	0	0	0
Dctn1	13	0	0	0
Mobkl1b	2	0	0	0
Bola3	1	0	0	0
B230319C09Rik	3	0	0	0
XLOC_027769	2	0	0	0
Nagk	8	0	0	0
Zfml	7	0	0	0
Dysf	6	0	0	0
Cct7	5	0	0	0
Gm10443	1	0	0	0

Fam136a	5	0	0	0
Snrpg	4	0	0	0
Tia1	11	0	0	0
C87436	6	0	0	0
Aak1	8	0	0	0
Nfu1	7	0	0	0
Gfpt1	4	0	0	0
XLOC_027791	1	0	0	0
Copg	7	0	0	0
8430410A17Rik	3	0	0	0
Rpn1	1	0	0	0
Ruvbl1	9	0	0	0
Mgll	3	0	0	0
Tpra1	4	0	0	0
Txnrd3	2	0	0	0
Zxdc	3	0	0	0
Klf15	4	0	0	0
Aldh1l1	4	0	0	0
Slc41a3	1	0	0	0
Hdac11	2	0	0	0
Fbln2	8	0	0	0
AK007770	2	0	0	0
Tmem43	4	0	0	0
Lsm3	1	0	0	0
Slc6a6	4	0	0	0
C130022K22Rik	2	0	0	0
AK043032	3	0	0	0
Slc25a26	2	0	0	0
Kbtbd8	4	0	0	0
XLOC_027827	3	0	0	0
Chl1	6	0	0	0
Cntn6	6	0	0	0
Lrrn1	4	0	0	0
Setmar	1	0	0	0
Itpr1	10	0	0	0
Bhlhe40	4	0	0	0
Arl8b	2	0	0	0
Edem1	3	0	0	0
Grm7	1	0	0	0
Lmcd1	3	0	0	0
Gm16598	2	0	0	0
Thumpd3	3	0	0	0
Setd5	9	0	0	0
Mtmr14	2	0	0	0
Cpne9	4	0	0	0
Brpf1	7	0	0	0
Ogg1	2	0	0	0



Arpc4		4	0	0	0
Jagn1		4	0	0	0
Il17re		1	0	0	0
Il17rc		6	0	0	0
Creld1		3	0	0	0
Fancd2		7	0	0	0
6720456B07Rik		3	0	0	0
Vhl		1	0	0	0
Irak2		4	0	0	0
Tatdn2		3	0	0	0
Atg7		3	0	0	0
Pparg		6	0	0	0
Tsen2		4	0	0	0
Mkxn2		3	0	0	0
Cand2		4	0	0	0
Ift122		1	0	0	0
mFLJ00025		4	0	0	0
Rho		4	0	0	0
D6Wsu116e		5	0	0	0
Anubl1		4	0	0	0
	41706	11	0	0	0
8430408G22Rik		2	0	0	0
Cxcl12		3	0	0	0
Zfp637		6	0	0	0
Zfp239		5	0	0	0
Dcp1b		8	0	0	0
Fbxl14		1	0	0	0
Kdm5a		9	0	0	0
Il17ra		3	0	0	0
Bcl2l13		1	0	0	0
Pex26		2	0	0	0
Tuba8		2	0	0	0
Usp18		2	0	0	0
A2m		3	0	0	0
M6pr		3	0	0	0
Foxj2		3	0	0	0
Necap1		1	0	0	0
Clec4a3		3	0	0	0
C1rl		2	0	0	0
C1rb		1	0	0	0
Lpcat3		4	0	0	0
Mlf2		2	0	0	0
C530028O21Rik		4	0	0	0
XLOC_027929		1	0	0	0
Zfp384		6	0	0	0
Acrbp		8	0	0	0
Lpar5		5	0	0	0

Chd4	10	0	0	0
Nop2	2	0	0	0
Iffo1	9	0	0	0
Mrpl51	2	0	0	0
Vamp1	2	0	0	0
Scnn1a	2	0	0	0
Vwf	3	0	0	0
Ano2	3	0	0	0
XLOC_027942	8	0	0	0
Akap3	1	0	0	0
D6Wsu163e	4	0	0	0
Parp11	4	0	0	0
Efcab4b	2	0	0	0
XLOC_027948	2	0	0	0
Rpl18-ps2	1	0	0	0
Foxm1	6	0	0	0
Nrip2	3	0	0	0
Gm10069	2	0	0	0
BC064078	1	0	0	0
Clec12a	2	0	0	0
Gabarapl1	4	0	0	0
2700089E24Rik	1	0	0	0
XLOC_027968	1	0	0	0
Etv6	4	0	0	0
Bcl2l14	2	0	0	0
Loh12cr1	3	0	0	0
Crebl2	4	0	0	0
Cdkn1b	1	0	0	0
Apold1	1	0	0	0
Ddx47	1	0	0	0
Gprc5a	1	0	0	0
8430419L09Rik	6	0	0	0
Emp1	1	0	0	0
Atf7ip	5	0	0	0
H2afj	1	0	0	0
Strap	4	0	0	0
Mgst1	2	0	0	0
Aebp2	2	0	0	0
Pyroxd1	1	0	0	0
Golt1b	2	0	0	0
Cmas	1	0	0	0
Etnk1	2	0	0	0
AK016914	1	0	0	0
Lrmp	6	0	0	0
Lym5	1	0	0	0
Gm15706	2	0	0	0
Rps25-ps1	1	0	0	0

Rassf8	5	0	0	0
Sspn	5	0	0	0
Fgfr1op2	2	0	0	0
Med21	1	0	0	0
Stk38l	7	0	0	0
Arntl2	9	0	0	0
Ppfibp1	6	0	0	0
Mrps35	2	0	0	0
Klhdc5	3	0	0	0
Ccdc91	4	0	0	0
4833442J19Rik	1	0	0	0
2810474O19Rik	3	0	0	0
Bicd1	5	0	0	0
XLOC_028026	2	0	0	0
AK035387	4	0	0	0
Hepacam2	3	0	0	0
Bet1	1	0	0	0
Sgce	7	0	0	0
Pon3	4	0	0	0
Pon2	4	0	0	0
Pdk4	1	0	0	0
Slc25a13	3	0	0	0
Shfm1	2	0	0	0
Asns	9	0	0	0
Col28a1	9	0	0	0
Rpa3	5	0	0	0
AK037260	1	0	0	0
BC062820	1	0	0	0
Ica1	7	0	0	0
Ndufa4	2	0	0	0
Thsd7a	2	0	0	0
Tmem168	5	0	0	0
B630005N14Rik	2	0	0	0
Gpr85	7	0	0	0
2610001J05Rik	4	0	0	0
Cttnbp2	6	0	0	0
Fam3c	5	0	0	0
Cadps2	7	0	0	0
Ndufa5	5	0	0	0
Wasl	2	0	0	0
Tmem229a	1	0	0	0
Gpr37	1	0	0	0
Pot1a	4	0	0	0
Prrt4	3	0	0	0
Impdh1	7	0	0	0
Kcp	6	0	0	0
Tnpo3	5	0	0	0

Zc3hc1	3	0	0	0
Tmem209	5	0	0	0
Tsga14	3	0	0	0
Copg2	6	0	0	0
BC145649	3	0	0	0
Gm13835	1	0	0	0
Podxl	4	0	0	0
AK085570	1	0	0	0
Plxna4	3	0	0	0
Slc35b4	5	0	0	0
2010107G12Rik	2	0	0	0
Cnot4	6	0	0	0
Slc13a4	4	0	0	0
Fam180a	1	0	0	0
Mtpn	2	0	0	0
Ptn	6	0	0	0
Creb3l2	5	0	0	0
Atp6v0a4	1	0	0	0
Zc3hav1l	1	0	0	0
Zc3hav1	7	0	0	0
Hipk2	5	0	0	0
Parp12	4	0	0	0
Jhdm1d	4	0	0	0
Slc37a3	2	0	0	0
Mkrn1	5	0	0	0
Dennd2a	7	0	0	0
E330009J07Rik	2	0	0	0
Fam131b	3	0	0	0
Fam115c	4	0	0	0
Fam115a	10	0	0	0
Pdia4	2	0	0	0
Zfp786	3	0	0	0
Zfp777	5	0	0	0
Zfp746	6	0	0	0
AK158926	1	0	0	0
Rarres2	6	0	0	0
Gimap6	1	0	0	0
Tmem176b	5	0	0	0
Tra2a	7	0	0	0
Dfna5	2	0	0	0
Osbpl3	8	0	0	0
XLOC_028161	2	0	0	0
4921507P07Rik	1	0	0	0
Hnrnpa2b1	5	0	0	0
Skap2	1	0	0	0
Hoxa3	5	0	0	0
Hoxa5	3	0	0	0

Hoxa7	6	0	0	0
Hoxa9	7	0	0	0
Hoxa10	4	0	0	0
Hoxa11	1	0	0	0
Jazf1	2	0	0	0
Scrn1	6	0	0	0
Fkbp14	1	0	0	0
Ggct	2	0	0	0
Crhr2	6	0	0	0
Inmt	1	0	0	0
Pde1c	8	0	0	0
Kbtbd2	4	0	0	0
Nt5c3	5	0	0	0
Pigy	1	0	0	0
Vopp1	6	0	0	0
Nap115	1	0	0	0
Fam13a	1	0	0	0
Gprin3	1	0	0	0
Snca	2	0	0	0
AK158619	1	0	0	0
Rpia	3	0	0	0
Thns12	3	0	0	0
Smyd1	5	0	0	0
Rmnd5a	4	0	0	0
Mrpl35	2	0	0	0
Ptcd3	7	0	0	0
Atoh8	1	0	0	0
Rnf181	5	0	0	0
Vamp5	2	0	0	0
Mat2a	5	0	0	0
Sh2d6	5	0	0	0
Elmod3	3	0	0	0
Tgoln2	1	0	0	0
Kcmf1	2	0	0	0
Tmsb10	4	0	0	0
Dnahc6	12	0	0	0
XLOC_028220	1	0	0	0
Ctnna2	13	0	0	0
Mrpl19	1	0	0	0
Pole4	3	0	0	0
Hk2	4	0	0	0
Sema4f	6	0	0	0
Htra2	2	0	0	0
Tlx2	4	0	0	0
Wbp1	8	0	0	0
Mthfd2	3	0	0	0
Tet3	3	0	0	0

Dguok	2	0	0	0
Stambp	3	0	0	0
Tex261	2	0	0	0
Paip2b	2	0	0	0
Cyp26b1	4	0	0	0
Exoc6b	6	0	0	0
Spr	2	0	0	0
Sfxn5	5	0	0	0
Rab11fip5	5	0	0	0
Fbxo41	3	0	0	0
Dusp11	8	0	0	0
Pcyox1	3	0	0	0
AK009724	2	0	0	0
Mxd1	3	0	0	0
Snrnp27	1	0	0	0
Gmcl1	4	0	0	0
Anxa4	2	0	0	0
Antxr1	4	0	0	0
Prokr1	5	0	0	0
Rab43	1	0	0	0
Isy1	3	0	0	0
Cnbp	4	0	0	0
Rab7	6	0	0	0
Eefsec	1	0	0	0
Sec61a1	2	0	0	0
Kbtbd12	1	0	0	0
Abtb1	6	0	0	0
Podxl2	2	0	0	0
Mcm2	2	0	0	0
Plxna1	2	0	0	0
Chchd6	2	0	0	0
lqsec1	10	0	0	0
Chchd4	3	0	0	0
Xpc	4	0	0	0
Grip2	10	0	0	0
Mrps25	1	0	0	0
Zfyve20	5	0	0	0
Prickle2	6	0	0	0
Magi1	11	0	0	0
Lrig1	1	0	0	0
Fam19a4	5	0	0	0
A130022J15Rik	2	0	0	0
Tmf1	3	0	0	0
Uba3	8	0	0	0
Gm765	6	0	0	0
Eif4e3	5	0	0	0
Gm14456	1	0	0	0

Rybp	2	0	0	0
Shq1	4	0	0	0
Pdzrn3	2	0	0	0
Crbn	8	0	0	0
Sumf1	4	0	0	0
Gm4604	1	0	0	0
Gm16433	1	0	0	0
AK039720	1	0	0	0
Oxtr	3	0	0	0
Lhfp14	6	0	0	0
Camk1	5	0	0	0
Tmem111	3	0	0	0
Sec13	4	0	0	0
Atp2b2	9	0	0	0
Vgll4	2	0	0	0
1500001M20Rik	2	0	0	0
Raf1	6	0	0	0
Rpl32	3	0	0	0
Plxnd1	10	0	0	0
Tmcc1	8	0	0	0
Rassf4	3	0	0	0
Tmem72	5	0	0	0
Csgalnact2	4	0	0	0
Ret	12	0	0	0
Bms1	5	0	0	0
Zfp248	5	0	0	0
Ankrd26	4	0	0	0
Cacna1c	6	0	0	0
Lrtm2	3	0	0	0
Adipor2	3	0	0	0
Erc1	9	0	0	0
Wnk1	12	0	0	0
B4galnt3	4	0	0	0
Cecr5	6	0	0	0
Atp6v1e1	5	0	0	0
Bid	2	0	0	0
Iqsec3	6	0	0	0
Phc1	6	0	0	0
Slc2a3	9	0	0	0
Pex5	4	0	0	0
Clstn3	2	0	0	0
C1s	8	0	0	0
Emg1	2	0	0	0
Grcc10	1	0	0	0
Eno2	7	0	0	0
Tpi1	3	0	0	0
Usp5	8	0	0	0

Gnb3	3	0	0	0
Lag3	8	0	0	0
Ptms	8	0	0	0
Cops7a	5	0	0	0
Ncapd2	3	0	0	0
Tapbp1	2	0	0	0
AK085609	1	0	0	0
Ltbr	2	0	0	0
Plekhg6	2	0	0	0
Cd9	4	0	0	0
Ntf3	2	0	0	0
Kcna5	1	0	0	0
Kcna1	1	0	0	0
Kcna6	1	0	0	0
Ndufa9	3	0	0	0
Dyrk4	6	0	0	0
Rad51ap1	4	0	0	0
9630033F20Rik	1	0	0	0
Ccnd2	2	0	0	0
Prmt8	2	0	0	0
XLOC_028421	3	0	0	0
AK033854	7	0	0	0
Tead4	1	0	0	0
Tulp3	2	0	0	0
5930416I19Rik	3	0	0	0
Itfg2	1	0	0	0
Fkbp4	4	0	0	0
BC048546	4	0	0	0
Klrb1b	1	0	0	0
AK009064	1	0	0	0
AK036632	3	0	0	0
Gm5581	1	0	0	0
Magohb	2	0	0	0
Csda	3	0	0	0
Lrp6	3	0	0	0
Mansc1	1	0	0	0
Dusp16	1	0	0	0
Hebp1	2	0	0	0
Plbd1	1	0	0	0
Wbp11	4	0	0	0
Mgp	1	0	0	0
Rerg	2	0	0	0
Eps8	6	0	0	0
Lmo3	5	0	0	0
Rpl38-ps2	1	0	0	0
Recql	1	0	0	0
Ldhb	3	0	0	0



Abcc9	5	0	0	0
St8sia1	5	0	0	0
5730419I09Rik	13	0	0	0
XLOC_028478	3	0	0	0
AK086149	1	0	0	0
Bcat1	6	0	0	0
Casc1	2	0	0	0
Kras	1	0	0	0
Bhlhe41	3	0	0	0
XLOC_028490	1	0	0	0
Itpr2	3	0	0	0
Tm7sf3	4	0	0	0
Pthlh	1	0	0	0
Ergic2	4	0	0	0
Tmtc1	5	0	0	0
Ipo8	3	0	0	0
Caprin2	10	0	0	0
Dennd5b	5	0	0	0
Amn1	4	0	0	0
Gm15782	1	0	0	0
Arhgef5	7	0	0	0
XLOC_027664	1	0	0	0
Zfp212	2	0	0	0
Zfp956	1	0	0	0
Zfp862	1	0	0	0
5730446D14Rik	2	0	0	0
Gars	3	0	0	0
Herc3	5	0	0	0
XLOC_027720	1	0	0	0
AK054076	4	0	0	0
Gm5576	1	0	0	0
Aup1	2	0	0	0
AK137133	1	0	0	0
Smyd5	1	0	0	0
Add2	4	0	0	0
XLOC_027797	4	0	0	0
Hnrnpf	4	0	0	0
C1ra	2	0	0	0
E130112N10Rik	1	0	0	0
XLOC_027949	3	0	0	0
AK012387	1	0	0	0
AK043509	4	0	0	0
AK039595	1	0	0	0
XLOC_028052	3	0	0	0
AK085764	1	0	0	0
Wdr91	3	0	0	0
9330158H04Rik	2	0	0	0

Svopl	2	0	0	0
D630045J12Rik	7	0	0	0
Klrg2	5	0	0	0
Braf	3	0	0	0
Hoxa4	2	0	0	0
9130019P16Rik	1	0	0	0
XLOC_028190	1	0	0	0
Kdm3a	3	0	0	0
Tcf7l1	4	0	0	0
1700019G17Rik	2	0	0	0
AK079912	1	0	0	0
AK131825	8	0	0	0
Foxp1	5	0	0	0
AK016007	1	0	0	0
Rpusd3	2	0	0	0
AK020619	1	0	0	0
Ccdc77	4	0	0	0
Atn1	5	0	0	0
Gpr162	2	0	0	0
XLOC_028410	3	0	0	0
XLOC_028420	1	0	0	0
Gm5886	2	0	0	0
Gpr19	2	0	0	0
Arhgdib	5	0	0	0
Slco1a5	1	0	0	0
XLOC_028486	1	0	0	0
Gm15767	2	0	0	0
Ppp1r9a	1	0	0	0
XLOC_027565	1	0	0	0
Gig18	1	0	0	0
AK052888	1	0	0	0
AK081964	1	0	0	0
XLOC_027592	1	0	0	0
AK006282	1	0	0	0
BB283400	1	0	0	0
Gm14546	1	0	0	0
Tmem140	1	0	0	0
Nup205	3	0	0	0
XLOC_027637	1	0	0	0
XLOC_027651	1	0	0	0
TCRBVbeta5.1/Jbeta1.5	2	0	0	0
Cntnap2	5	0	0	0
XLOC_027665	2	0	0	0
Gimap9	1	0	0	0
XLOC_027689	5	0	0	0
Nfe2l3	1	0	0	0
Adcyap1r1	2	0	0	0

AK039826	2	0	0	0
D6Mm5e	1	0	0	0
Tprkb	3	0	0	0
AK005503	3	0	0	0
XLOC_027787	2	0	0	0
XLOC_027812	1	0	0	0
Ttll3	3	0	0	0
XLOC_027885	4	0	0	0
3110021A11Rik	1	0	0	0
Slc6a13	8	0	0	0
Cd163	4	0	0	0
Spsb2	3	0	0	0
XLOC_028022	1	0	0	0
XLOC_028077	3	0	0	0
XLOC_028101	1	0	0	0
XLOC_028163	1	0	0	0
AK020588	2	0	0	0
Lsm5	3	0	0	0
AK043607	3	0	0	0
XLOC_028197	1	0	0	0
AK038985	1	0	0	0
Actg2	2	0	0	0
XLOC_028267	2	0	0	0
XLOC_028306	2	0	0	0
Tada3	1	0	0	0
2510049J12Rik	1	0	0	0
Fxyd4	3	0	0	0
Lrrc23	5	0	0	0
Cd4	2	0	0	0
Klrb1a	3	0	0	0
BC035044	1	0	0	0
AK016696	6	0	0	0
XLOC_028465	1	0	0	0
Sox5	4	0	0	0
XLOC_027591	1	0	0	0
Cpa2	1	0	0	0
XLOC_027716	1	0	0	0
Gm15534	1	0	0	0
AW146020	1	0	0	0
Alms1-ps1	1	0	0	0
Gata2	1	0	0	0
Trnt1	1	0	0	0
XLOC_027904	3	0	0	0
Nanogpd	1	0	0	0
Clec4b1	1	0	0	0
Clec9a	1	0	0	0
XLOC_027991	1	0	0	0

Pde3a	1	0	0	0
AK143902	2	0	0	0
XLOC_028041	1	0	0	0
Gm15473	1	0	0	0
Opn1sw	1	0	0	0
XLOC_028093	2	0	0	0
Clec5a	3	0	0	0
XLOC_028158	2	0	0	0
Hoxa1	1	0	0	0
Wdr54	1	0	0	0
Gt(ROSA)26Sor	3	0	0	0
AK038749	1	0	0	0
Alox5	2	0	0	0
XLOC_028369	1	0	0	0
Clec12b	1	0	0	0
Clec7a	2	0	0	0
BC099571	1	0	0	0
Klra2	3	0	0	0
Foxp2	2	0	0	0
BC021953	3	0	0	0
XLOC_027649	1	0	0	0
Slc4a5	1	0	0	0
Nr2c2	1	0	0	0
XLOC_027969	1	0	0	0
BC049715	1	0	0	0
XLOC_027996	1	0	0	0
Far2	2	0	0	0
XLOC_028042	1	0	0	0
XLOC_028090	1	0	0	0
XLOC_028122	1	0	0	0
Igf2bp3	1	0	0	0
okadin type I	1	0	0	0
Cidec	1	0	0	0
Ghrl	1	0	0	0
XLOC_027590	1	0	0	0
Gm13846	1	0	0	0
XLOC_027639	1	0	0	0
AK016417	1	0	0	0
Zfp398	1	0	0	0
XLOC_027729	1	0	0	0
M34473	1	0	0	0
Gp9	1	0	0	0
Slc6a12	1	0	0	0
XLOC_027935	1	0	0	0
Fgf23	1	0	0	0
Clec1b	1	0	0	0
AK045625	1	0	0	0

XLOC_028007	1	0	0	0
Mrps33	1	0	0	0
XLOC_028221	1	0	0	0
4933424B01Rik	2	0	0	0
Myadm	4	0	0	0
Prkcc	2	0	0	0
Cacng7	4	0	0	0
Cacng8	4	0	0	0
Ndufa3	3	0	0	0
Prpf31	3	0	0	0
Rps9	5	0	0	0
Leng8	8	0	0	0
Lilra5	4	0	0	0
Eps8l1	4	0	0	0
Brsk1	4	0	0	0
Suv420h2	8	0	0	0
Rpl28	4	0	0	0
Isoc2a	6	0	0	0
Zfp628	5	0	0	0
Nat14	4	0	0	0
U2af2	7	0	0	0
Epn1	11	0	0	0
Zfp667	3	0	0	0
AK038886	2	0	0	0
Zfp78	7	0	0	0
Zfp28	9	0	0	0
Gm16532	2	0	0	0
Zfp418	2	0	0	0
Zfp606	2	0	0	0
Zfp110	3	0	0	0
Zfp128	1	0	0	0
Rps5	4	0	0	0
Zfp324	5	0	0	0
Trim28	5	0	0	0
Gm4879	1	0	0	0
Lig1	4	0	0	0
Kptn	2	0	0	0
Meis3	3	0	0	0
Zc3h4	6	0	0	0
Tmem160	3	0	0	0
XLOC_029499	4	0	0	0
Ap2s1	1	0	0	0
Slc1a5	3	0	0	0
Strn4	5	0	0	0
Prkd2	5	0	0	0
Dact3	1	0	0	0
Gng8	8	0	0	0

Ptgir	3	0	0	0
Pnmal1	2	0	0	0
Psg16	3	0	0	0
Mill2	7	0	0	0
Nova2	1	0	0	0
Myopop	4	0	0	0
Sympk	5	0	0	0
Dmwd	4	0	0	0
Dmpk	11	0	0	0
Six5	3	0	0	0
Snrpd2	3	0	0	0
Gpr4	1	0	0	0
Opa3	1	0	0	0
Rtn2	4	0	0	0
Ercc1	2	0	0	0
Exoc3l2	5	0	0	0
Trappc6a	2	0	0	0
Nkpd1	4	0	0	0
Vmn1r183	1	0	0	0
Zfp180	3	0	0	0
Zfp235	4	0	0	0
Kcnn4	3	0	0	0
1500002O20Rik	7	0	0	0
Irgq	2	0	0	0
Xrcc1	2	0	0	0
Ceacam10	3	0	0	0
Gm9844	1	0	0	0
Rps19	6	0	0	0
Arhgef1	13	0	0	0
XLOC_029563	1	0	0	0
AK142847	1	0	0	0
Zfp526	3	0	0	0
Cic	11	0	0	0
Tmem145	3	0	0	0
Atp5sl	3	0	0	0
B3gnt8	4	0	0	0
Exosc5	1	0	0	0
B9d2	1	0	0	0
BC024978	1	0	0	0
Numbl	3	0	0	0
Blvrb	1	0	0	0
Sertad3	2	0	0	0
Sertad1	1	0	0	0
Prx	3	0	0	0
Ttc9b	2	0	0	0
C030039L03Rik	1	0	0	0
Zfp60	4	0	0	0

Gm10046	3	0	0	0
Fbl	4	0	0	0
Lrfr1	5	0	0	0
Fbxo27	8	0	0	0
Fbxo17	8	0	0	0
Sars2	1	0	0	0
Sirt2	6	0	0	0
Hnrnp1	5	0	0	0
Ech1	4	0	0	0
Lgals4	2	0	0	0
Lgals7	3	0	0	0
Map4k1	5	0	0	0
Yif1b	3	0	0	0
Ppp1r14a	1	0	0	0
Dpf1	9	0	0	0
Zfp84	1	0	0	0
Zfp790	6	0	0	0
Zfp420	3	0	0	0
AK155472	2	0	0	0
AK138949	3	0	0	0
Zfp568	2	0	0	0
Zfp260	3	0	0	0
Zfp382	6	0	0	0
Gm5113	2	0	0	0
Cox7a1	1	0	0	0
Clip3	3	0	0	0
Alkbh6	5	0	0	0
Nfkbid	7	0	0	0
Hspb6	2	0	0	0
Tmem149	3	0	0	0
U2af1l4	1	0	0	0
AK049951	2	0	0	0
AK133438	4	0	0	0
XLOC_029648	1	0	0	0
Gm12784	2	0	0	0
XLOC_029650	5	0	0	0
Gm12781	2	0	0	0
Pepd	3	0	0	0
Cebpa	1	0	0	0
Ccdc123	6	0	0	0
Tshz3	6	0	0	0
1600014C10Rik	2	0	0	0
AK034698	3	0	0	0
XLOC_029663	3	0	0	0
Zfp619	1	0	0	0
XLOC_029665	8	0	0	0
Gm6851	1	0	0	0

AK163099	1	0	0	0
AK011498	2	0	0	0
Zfp788	12	0	0	0
EU599041	1	0	0	0
Siglec5	1	0	0	0
Lim2	1	0	0	0
Zfp719	2	0	0	0
Ctu1	1	0	0	0
Klk8	2	0	0	0
2410002F23Rik	5	0	0	0
Syt3	9	0	0	0
Lrrc4b	3	0	0	0
Aspdh	5	0	0	0
Josd2	6	0	0	0
AK017368	1	0	0	0
Napsa	7	0	0	0
XLOC_029699	1	0	0	0
Vrk3	1	0	0	0
Nup62	3	0	0	0
Pnkp	2	0	0	0
Fuz	1	0	0	0
Irf3	5	0	0	0
Rras	1	0	0	0
Nosip	4	0	0	0
Pih1d1	6	0	0	0
Slc17a7	1	0	0	0
Tead2	4	0	0	0
XLOC_029715	2	0	0	0
Rpl14-ps1	1	0	0	0
Gys1	1	0	0	0
Tulp2	1	0	0	0
Plekha4	7	0	0	0
Bcat2	3	0	0	0
Rasip1	5	0	0	0
Ntn5	6	0	0	0
Car11	8	0	0	0
Lmtk3	9	0	0	0
AK133391	4	0	0	0
Kdelr1	3	0	0	0
Tmem143	3	0	0	0
Ccdc114	9	0	0	0
Nomo1	3	0	0	0
Kcnc1	5	0	0	0
Gtf2h1	1	0	0	0
Ldha	4	0	0	0
XLOC_029740	2	0	0	0
XLOC_029742	3	0	0	0



Zdhhc13	3	0	0	0
Htati2	6	0	0	0
Prmt3	5	0	0	0
Nell1	2	0	0	0
Ano5	1	0	0	0
Slc17a6	5	0	0	0
Gas2	2	0	0	0
Gm6181	1	0	0	0
XLOC_029755	1	0	0	0
Luzp2	5	0	0	0
Tubgcp5	1	0	0	0
Cyfp1	2	0	0	0
Herc2	5	0	0	0
Gabrb3	4	0	0	0
Ndn	1	0	0	0
Otud7a	4	0	0	0
XLOC_029771	11	0	0	0
Mtmr10	5	0	0	0
Mcee	5	0	0	0
Apba2	11	0	0	0
Tarsl2	4	0	0	0
Tm2d3	2	0	0	0
Pcsk6	4	0	0	0
Snrpa1	2	0	0	0
H47	1	0	0	0
Chsy1	5	0	0	0
Lins	1	0	0	0
Lins2	6	0	0	0
Ttc23	4	0	0	0
Igf1r	2	0	0	0
BC070425	7	0	0	0
Rgma	3	0	0	0
Fam174b	1	0	0	0
Akap13	7	0	0	0
Klhl25	4	0	0	0
Agbl1	1	0	0	0
Gm9885	1	0	0	0
Mrps11	2	0	0	0
Aen	3	0	0	0
Abhd2	5	0	0	0
Zfp710	5	0	0	0
XLOC_029814	2	0	0	0
Sema4b	3	0	0	0
Ttll13	4	0	0	0
Ngrn	2	0	0	0
Vps33b	4	0	0	0
Gm17257	1	0	0	0

Zscan2	4	0	0	0
Zfp592	4	0	0	0
AK013794	7	0	0	0
Whamm	5	0	0	0
Fam103a1	4	0	0	0
Tm6sf1	1	0	0	0
Eftud1	3	0	0	0
Tmc3	2	0	0	0
Stard5	1	0	0	0
Mesdc2	4	0	0	0
AK199694	1	0	0	0
Nox4	3	0	0	0
Rab38	2	0	0	0
Fzd4	1	0	0	0
XLOC_029853	2	0	0	0
Syt12	6	0	0	0
Ccdc89	1	0	0	0
BC051589	2	0	0	0
Dlg2	5	0	0	0
Ccdc90b	1	0	0	0
Prcp	3	0	0	0
Fam181b	1	0	0	0
XLOC_029867	1	0	0	0
Nars2	3	0	0	0
Gab2	2	0	0	0
Kctd21	4	0	0	0
Ndufc2	1	0	0	0
Ints4	6	0	0	0
Rsf1	3	0	0	0
Clns1a	1	0	0	0
Prkrir	5	0	0	0
XLOC_029881	7	0	0	0
Wnt11	4	0	0	0
Mtap6	3	0	0	0
Gdpd5	7	0	0	0
Klhl35	1	0	0	0
Arrb1	9	0	0	0
Lipt2	1	0	0	0
Kcne3	1	0	0	0
Pgm2l1	4	0	0	0
P4ha3	3	0	0	0
C2cd3	3	0	0	0
Ucp2	3	0	0	0
Chchd8	1	0	0	0
Fam168a	3	0	0	0
Fchsd2	4	0	0	0
Stard10	1	0	0	0

Arap1	4	0	0	0
Pde2a	5	0	0	0
Clpb	7	0	0	0
2400001E08Rik	5	0	0	0
Numa1	8	0	0	0
Pgap2	6	0	0	0
Stim1	7	0	0	0
Rrm1	2	0	0	0
Trim6	7	0	0	0
Trim34a	6	0	0	0
Trim34	1	0	0	0
Gm4887	1	0	0	0
Smpd1	1	0	0	0
Fxc1	3	0	0	0
Ilk	3	0	0	0
Syt9	5	0	0	0
Olfml1	2	0	0	0
Gm10156	1	0	0	0
Eif3f	1	0	0	0
AK007082	2	0	0	0
D930014E17Rik	2	0	0	0
Ipo7	3	0	0	0
Zfp143	4	0	0	0
Wee1	2	0	0	0
Swap70	3	0	0	0
Adm	2	0	0	0
Ampd3	6	0	0	0
Ctr9	3	0	0	0
Usp47	5	0	0	0
Parva	2	0	0	0
Rassf10	1	0	0	0
Far1	4	0	0	0
Spon1	1	0	0	0
Pde3b	2	0	0	0
AK045786	8	0	0	0
6330503K22Rik	5	0	0	0
9030624J02Rik	5	0	0	0
Gm5601	1	0	0	0
Uqcrc2	2	0	0	0
BC030336	3	0	0	0
Vwa3a	5	0	0	0
Eef2k	3	0	0	0
Polr3e	6	0	0	0
Mettl9	4	0	0	0
Otoa	2	0	0	0
Hs3st2	6	0	0	0
Ubfd1	2	0	0	0

XLOC_029981	2	0	0	0
Dctn5	1	0	0	0
Plk1	7	0	0	0
2010110P09Rik	5	0	0	0
Cacng3	1	0	0	0
Rbbp6	8	0	0	0
Tnrc6a	7	0	0	0
Slc5a11	13	0	0	0
Lcmt1	1	0	0	0
XLOC_029992	4	0	0	0
Jmjd5	4	0	0	0
Il4ra	2	0	0	0
Sbk1	3	0	0	0
Tufm	5	0	0	0
Apob48r	3	0	0	0
Ypel3	3	0	0	0
Fam57b	2	0	0	0
Sez6l2	10	0	0	0
Cdipt	2	0	0	0
AI467606	1	0	0	0
Mylpf	3	0	0	0
Zfp553	2	0	0	0
Zfp771	2	0	0	0
Itgal	4	0	0	0
AK045290	2	0	0	0
Prr14	7	0	0	0
Fbrs	5	0	0	0
Phkg2	4	0	0	0
Rnf40	4	0	0	0
Ctf1	4	0	0	0
Fbxl19	10	0	0	0
XLOC_030025	2	0	0	0
Stx4a	2	0	0	0
Zfp646	5	0	0	0
Bckdk	4	0	0	0
Fus	7	0	0	0
Trim72	6	0	0	0
Itgax	5	0	0	0
Armc5	1	0	0	0
Tgfb1i1	4	0	0	0
Bag3	1	0	0	0
Inpp5f	4	0	0	0
Ppapdc1a	6	0	0	0
Wdr11	3	0	0	0
Tacc2	9	0	0	0
Htra1	6	0	0	0
Acadsb	2	0	0	0

Bub3	2	0	0	0
Gpr26	1	0	0	0
XLOC_030053	7	0	0	0
Fam175b	2	0	0	0
Zranb1	5	0	0	0
2700050L05Rik	4	0	0	0
Bccip	1	0	0	0
XLOC_030060	2	0	0	0
Dock1	3	0	0	0
XLOC_030062	6	0	0	0
Ptpre	5	0	0	0
Mgmt	4	0	0	0
Glr3	9	0	0	0
XLOC_030066	4	0	0	0
XLOC_030067	3	0	0	0
Dpysl4	5	0	0	0
Pwwp2b	3	0	0	0
Kndc1	3	0	0	0
Zfp511	1	0	0	0
Cyp2e1	1	0	0	0
Ric8	2	0	0	0
Psm13	1	0	0	0
Ath11	6	0	0	0
Ifitm1	2	0	0	0
Pkp3	5	0	0	0
Ptdss2	1	0	0	0
Lrrc56	6	0	0	0
Rassf7	6	0	0	0
Phrf1	6	0	0	0
Taldo1	3	0	0	0
Gm4535	1	0	0	0
Rplp2	9	0	0	0
Efcab4a	2	0	0	0
Ap2a2	5	0	0	0
Muc2	4	0	0	0
Brsk2	7	0	0	0
Lsp1	7	0	0	0
Cd81	6	0	0	0
Slc22a18	2	0	0	0
Shank2	6	0	0	0
Fgf3	3	0	0	0
Oraov1	2	0	0	0
Mrgprd	2	0	0	0
Tfpt	3	0	0	0
Mboat7	6	0	0	0
Lilrb3	11	0	0	0
9430041J12Rik	2	0	0	0

Rdh13	9	0	0	0
Ppp1r12c	4	0	0	0
Tnnt1	2	0	0	0
6030429G01Rik	10	0	0	0
Syt5	3	0	0	0
Ppp6r1	9	0	0	0
Hspbp1	3	0	0	0
Cox6b2	5	0	0	0
2210411K11Rik	1	0	0	0
Shisa7	5	0	0	0
Zfp579	5	0	0	0
Fiz1	2	0	0	0
Zfp784	1	0	0	0
AK080857	3	0	0	0
Rasl2-9-ps	1	0	0	0
Zfp583	5	0	0	0
Zim1	2	0	0	0
Peg3	4	0	0	0
Zfp954	1	0	0	0
Clcn4-2	7	0	0	0
Zik1	1	0	0	0
Znf551	1	0	0	0
Zfp551	2	0	0	0
XLOC_030169	2	0	0	0
Zbtb45	4	0	0	0
Ube2m	9	0	0	0
Mzf1	7	0	0	0
Vmn1r85	1	0	0	0
6330408A02Rik	5	0	0	0
Gltscr2	3	0	0	0
Gltscr1	5	0	0	0
Dhx34	5	0	0	0
Ccdc9	9	0	0	0
Npas1	2	0	0	0
Grif1	1	0	0	0
Fkrp	4	0	0	0
9330104G04Rik	2	0	0	0
Calm3	6	0	0	0
Ppp5c	1	0	0	0
XLOC_030200	1	0	0	0
XLOC_030199	1	0	0	0
Ccdc61	5	0	0	0
Qpctl	6	0	0	0
Vasp	4	0	0	0
Ppm1n	1	0	0	0
Cd3eap	1	0	0	0
AK020867	2	0	0	0

Mark4	6	0	0	0
Lrrc68	6	0	0	0
Gemin7	2	0	0	0
Relb	4	0	0	0
Clptm1	2	0	0	0
Apoc1	2	0	0	0
Pvrl2	4	0	0	0
Bcam	6	0	0	0
Cblc	1	0	0	0
Bcl3	5	0	0	0
Pvr	2	0	0	0
Zfp61	6	0	0	0
Zfp575	3	0	0	0
Rabac1	1	0	0	0
Pou2f2	6	0	0	0
Flame-3	1	0	0	0
Dedd2	5	0	0	0
Gsk3a	6	0	0	0
Pafah1b3	3	0	0	0
Lipe	3	0	0	0
Ceacam1	5	0	0	0
Ceacam2	2	0	0	0
Bckdha	1	0	0	0
Tmem91	3	0	0	0
Ccdc97	5	0	0	0
Hnrnpul1	5	0	0	0
Axl	7	0	0	0
Egln2	6	0	0	0
Rab4b	4	0	0	0
Mia1	1	0	0	0
Snrpa	2	0	0	0
Ltbp4	3	0	0	0
Pld3	4	0	0	0
Map3k10	6	0	0	0
Zfp780b	5	0	0	0
Psmc4	1	0	0	0
BC089491	2	0	0	0
Timm50	2	0	0	0
Supt5h	9	0	0	0
Plekhg2	10	0	0	0
Zfp36	1	0	0	0
Samd4b	2	0	0	0
Nccrp1	1	0	0	0
Pak4	7	0	0	0
C330005M16Rik	3	0	0	0
Mrps12	2	0	0	0
Nfkbib	2	0	0	0

Eif3k	2	0	0	0
Ryr1	5	0	0	0
Fam98c	7	0	0	0
Spred3	1	0	0	0
Psmc8	2	0	0	0
2200002D01Rik	1	0	0	0
Spint2	1	0	0	0
Zfp940	2	0	0	0
Zfp27	5	0	0	0
XLOC_030295	1	0	0	0
Zfp14	9	0	0	0
Zfp82	5	0	0	0
Zfp566	1	0	0	0
Zfp146	3	0	0	0
Capns1	7	0	0	0
Tbcb	4	0	0	0
Lrfr3	1	0	0	0
Aplp1	2	0	0	0
Arhgap33	9	0	0	0
BC053749	5	0	0	0
Wbp7	7	0	0	0
Zbtb32	5	0	0	0
Cox6b1	2	0	0	0
Tmem147	4	0	0	0
Mag	2	0	0	0
Usf2	11	0	0	0
Fxyd5	10	0	0	0
Fxyd1	4	0	0	0
Hpn	10	0	0	0
Gramd1a	6	0	0	0
Wtip	3	0	0	0
Uba2	1	0	0	0
Pdcd2l	1	0	0	0
Gpi1	8	0	0	0
4931406P16Rik	6	0	0	0
Lsm14a	5	0	0	0
Kctd15	4	0	0	0
Cebpg	3	0	0	0
Lrp3	3	0	0	0
Gpatch1	1	0	0	0
C230052I12Rik	1	0	0	0
Nudt19	1	0	0	0
Pdcd5	8	0	0	0
Dpy19l3	1	0	0	0
Zfp507	7	0	0	0
Zfp536	3	0	0	0
C80913	8	0	0	0



Ccne1	1	0	0	0
Plekhf1	1	0	0	0
Pop4	7	0	0	0
Gm6872	1	0	0	0
RP23-147O14.6	1	0	0	0
BC063263	6	0	0	0
Gm5595	4	0	0	0
Gm9294	1	0	0	0
Zfp715	6	0	0	0
Iglon5	2	0	0	0
Cd33	5	0	0	0
Siglece	6	0	0	0
AK134755	9	0	0	0
1700008O03Rik	7	0	0	0
2310044H10Rik	4	0	0	0
Mybpc2	3	0	0	0
Pold1	5	0	0	0
Nr1h2	5	0	0	0
Myh14	6	0	0	0
Atf5	3	0	0	0
Tbc1d17	3	0	0	0
Ptov1	7	0	0	0
Med25	2	0	0	0
Ap2a1	7	0	0	0
Cpt1c	5	0	0	0
Prmt1	5	0	0	0
Bcl2l12	2	0	0	0
Scaf1	7	0	0	0
Prr12	7	0	0	0
Rcn3	3	0	0	0
Fcgrt	3	0	0	0
Rps11	4	0	0	0
Aldh16a1	1	0	0	0
Ccdc155	9	0	0	0
Dkk1	3	0	0	0
Cd37	6	0	0	0
Ppfia3	4	0	0	0
Snrnp70	5	0	0	0
Ruvbl2	5	0	0	0
Ftl1	3	0	0	0
Bax	4	0	0	0
Dhdh	4	0	0	0
Nucb1	5	0	0	0
Ppp1r15a	1	0	0	0
AK049852	2	0	0	0
Fut2	1	0	0	0
Sphk2	4	0	0	0

Cyth2	4	0	0	0
Grwd1	4	0	0	0
Grin2d	5	0	0	0
Syngn4	1	0	0	0
Emp3	1	0	0	0
Kcnj11	1	0	0	0
Sergef	7	0	0	0
Saal1	3	0	0	0
Hps5	6	0	0	0
Uevld	4	0	0	0
Spty2d1	1	0	0	0
Ptpn5	4	0	0	0
XLOC_030426	1	0	0	0
Mrgpra9	2	0	0	0
XLOC_030427	3	0	0	0
Mrgprx1	3	0	0	0
Svip	1	0	0	0
Nipa2	1	0	0	0
Nipa1	1	0	0	0
Snrpn	12	0	0	0
XLOC_030460	5	0	0	0
DOKist4	1	0	0	0
A230057D06Rik	4	0	0	0
AK086712	3	0	0	0
Mkrn3	1	0	0	0
Chrna7	2	0	0	0
Fan1	6	0	0	0
Mphosph10	2	0	0	0
Fam189a1	2	0	0	0
XLOC_030477	1	0	0	0
Asb7	4	0	0	0
XLOC_030481	1	0	0	0
AK038598	8	0	0	0
Mef2a	7	0	0	0
Lrrc28	5	0	0	0
Synm	4	0	0	0
AK014683	3	0	0	0
Arrdc4	2	0	0	0
AK049871	3	0	0	0
Nr2f2	3	0	0	0
Mctp2	10	0	0	0
Gm10294	1	0	0	0
Chd2	8	0	0	0
Slco3a1	1	0	0	0
Sv2b	8	0	0	0
XLOC_030503	1	0	0	0
Ntrk3	5	0	0	0

Mrpl46	2	0	0	0
Det1	6	0	0	0
Mfge8	3	0	0	0
Rlbp1	4	0	0	0
Polg	6	0	0	0
Kif7	10	0	0	0
Pex11a	3	0	0	0
Anpep	4	0	0	0
Idh2	4	0	0	0
Cib1	3	0	0	0
Unc45a	10	0	0	0
Man2a2	4	0	0	0
Fes	8	0	0	0
Furin	4	0	0	0
Crtc3	2	0	0	0
Iqgap1	5	0	0	0
Sec11a	3	0	0	0
XLOC_030530	7	0	0	0
Gm7180	1	0	0	0
Cpeb1	10	0	0	0
Ap3b2	3	0	0	0
Homer2	2	0	0	0
vesl-2	3	0	0	0
3110040N11Rik	5	0	0	0
Btbd1	6	0	0	0
Hdgfrp3	4	0	0	0
Fam154b	4	0	0	0
AK042300	4	0	0	0
9930013L23Rik	5	0	0	0
Fam108c	1	0	0	0
Arnt2	6	0	0	0
Fah	6	0	0	0
Zfand6	6	0	0	0
Folh1	6	0	0	0
Tmem135	3	0	0	0
Prss23	5	0	0	0
I7Rn6	2	0	0	0
Eed	2	0	0	0
Ccdc83	1	0	0	0
Tmem126a	2	0	0	0
Tmem126b	1	0	0	0
Ankrd42	7	0	0	0
4632434I11Rik	1	0	0	0
Usp35	3	0	0	0
Thrsp	1	0	0	0
1810020D17Rik	3	0	0	0
Aqp11	1	0	0	0

Capn5	8	0	0	0
B3gnt6	1	0	0	0
Acer3	2	0	0	0
2210018M11Rik	7	0	0	0
AK052909	3	0	0	0
Uvrag	3	0	0	0
Dgat2	3	0	0	0
Serpinh1	3	0	0	0
Rps3	2	0	0	0
Neu3	3	0	0	0
Spcs2	2	0	0	0
Rnf169	7	0	0	0
Pold3	6	0	0	0
Ppme1	2	0	0	0
Dnajb13	2	0	0	0
Plekhb1	4	0	0	0
Relt	8	0	0	0
Arhgef17	4	0	0	0
P2ry2	5	0	0	0
Gm7027	1	0	0	0
Inpp1	9	0	0	0
Folr2	2	0	0	0
Rnf121	3	0	0	0
Chrna10	3	0	0	0
Nup98	6	0	0	0
Rhog	2	0	0	0
Trim21	3	0	0	0
Beta-s	1	0	0	0
Trim5	2	0	0	0
Trim12a	4	0	0	0
9230105E10Rik	5	0	0	0
Trim30a	9	0	0	0
Gm16464	1	0	0	0
Fam160a2	6	0	0	0
Prkcdbp	1	0	0	0
Apbb1	9	0	0	0
Trim3	2	0	0	0
Arfip2	3	0	0	0
Mrpl17	3	0	0	0
Cyb5r2	6	0	0	0
Ric3	3	0	0	0
Lmo1	5	0	0	0
St5	9	0	0	0
Tmem9b	1	0	0	0
Nrip3	3	0	0	0
Scube2	2	0	0	0
Dennd5a	5	0	0	0

Sbf2	9	0	0	0
Rnf141	6	0	0	0
Lyve1	2	0	0	0
Mrvi1	4	0	0	0
Eif4g2	9	0	0	0
Galntl4	6	0	0	0
Dkk3	4	0	0	0
Btbd10	4	0	0	0
Copb1	2	0	0	0
Psm1	2	0	0	0
XLOC_030665	2	0	0	0
Calca	12	0	0	0
Sox6	4	0	0	0
Gm4353	1	0	0	0
Rps13	2	0	0	0
Rps15a	5	0	0	0
Arl6ip1	2	0	0	0
Itpr12	1	0	0	0
Coq7	2	0	0	0
Tmc7	3	0	0	0
Gde1	6	0	0	0
2310008H09Rik	4	0	0	0
Gprc5b	4	0	0	0
Gpr139	4	0	0	0
XLOC_030686	9	0	0	0
Thumpd1	1	0	0	0
Eri2	6	0	0	0
Dcun1d3	3	0	0	0
Crym	2	0	0	0
Cdr2	1	0	0	0
Usp31	4	0	0	0
Cog7	1	0	0	0
Gga2	1	0	0	0
Ndufab1	6	0	0	0
Palb2	7	0	0	0
Ern2	2	0	0	0
Arhgap17	7	0	0	0
Zkscan2	6	0	0	0
Nsmce1	7	0	0	0
Gtf3c1	6	0	0	0
Gsg1l	2	0	0	0
Xpo6	8	0	0	0
Spns1	3	0	0	0
Sh2b1	8	0	0	0
Atxn2l	11	0	0	0
Eif3c	3	0	0	0
Cln3	6	0	0	0

Nupr1	2	0	0	0
Coro1a	6	0	0	0
Ppp4c	2	0	0	0
Taok2	6	0	0	0
Mvp	8	0	0	0
Qprt	3	0	0	0
Cd2bp2	6	0	0	0
Dctpp1	1	0	0	0
Sephs2	1	0	0	0
Zfp768	2	0	0	0
Zfp747	3	0	0	0
9130019O22Rik	2	0	0	0
E430018J23Rik	3	0	0	0
Zfp764	3	0	0	0
Zfp689	1	0	0	0
Gm166	4	0	0	0
Stx1b	4	0	0	0
Vkorc1	3	0	0	0
Prss36	10	0	0	0
Pycard	1	0	0	0
BC017158	4	0	0	0
Rgs10	2	0	0	0
Tial1	4	0	0	0
Mcmbp	1	0	0	0
Gm5903	1	0	0	0
Ate1	5	0	0	0
Nsmce4a	2	0	0	0
Gm5602	1	0	0	0
2310057M21Rik	4	0	0	0
Ikzf5	5	0	0	0
Cpxm2	5	0	0	0
Chst15	6	0	0	0
Oat	1	0	0	0
Ctbp2	5	0	0	0
Uros	3	0	0	0
Dhx32	5	0	0	0
Fam196a	6	0	0	0
B830028B13Rik	1	0	0	0
9430038I01Rik	6	0	0	0
Stk32c	5	0	0	0
Nkx6-2	1	0	0	0
Caly	2	0	0	0
Echs1	1	0	0	0
Sprn	3	0	0	0
Zfp941	3	0	0	0
Sirt3	4	0	0	0
Ifitm2	1	0	0	0

Ifitm3	1	0	0	0
Sigirr	7	0	0	0
XLOC_030818	1	0	0	0
Irf7	5	0	0	0
Deaf1	3	0	0	0
Pddc1	1	0	0	0
Cend1	3	0	0	0
Slc25a22	15	0	0	0
Chid1	2	0	0	0
Tollip	2	0	0	0
2700078K21Rik	4	0	0	0
Dusp8	3	0	0	0
XLOC_030835	3	0	0	0
Ctsd	1	0	0	0
AK145379	2	0	0	0
Th	6	0	0	0
R74862	1	0	0	0
Cdkn1c	6	0	0	0
Phlda2	2	0	0	0
Nap1l4	7	0	0	0
Tnfrsf22	4	0	0	0
Tnfrsf23	3	0	0	0
Osbp15	5	0	0	0
Mrgpre	4	0	0	0
Cttn	10	0	0	0
Ppfia1	10	0	0	0
Fadd	1	0	0	0
Ano1	3	0	0	0
Tpcn2	9	0	0	0
1810010D01Rik	3	0	0	0
XLOC_029467	2	0	0	0
Zfp524	2	0	0	0
Zfp865	4	0	0	0
Zfp580	4	0	0	0
Pla2g4c	2	0	0	0
XLOC_029494	2	0	0	0
Napa	6	0	0	0
Pglyrp1	2	0	0	0
AK043814	5	0	0	0
Zfp112	4	0	0	0
Zfp93	2	0	0	0
Cadm4	2	0	0	0
Ethe1	1	0	0	0
RP23-86L13.2	1	0	0	0
Hipk4	2	0	0	0
Dyrk1b	4	0	0	0
Paf1	4	0	0	0

Vsig10l	3	0	0	0
XLOC_029693	1	0	0	0
XLOC_029705	1	0	0	0
Dbp	1	0	0	0
XLOC_029760	1	0	0	0
XLOC_029765	1	0	0	0
Isg20	2	0	0	0
Prc1	3	0	0	0
Hddc3	2	0	0	0
XLOC_029821	1	0	0	0
Adamts3	4	0	0	0
Picalm	5	0	0	0
Rab6	2	0	0	0
Trpc2	4	0	0	0
XLOC_029910	1	0	0	0
XLOC_029922	6	0	0	0
Rpl27a	3	0	0	0
XLOC_029959	2	0	0	0
2610020H08Rik	4	0	0	0
Lymr1	7	0	0	0
AK140221	2	0	0	0
XLOC_030000	1	0	0	0
Rabep2	4	0	0	0
Ccdc101	2	0	0	0
Bola2	1	0	0	0
Mapk3	3	0	0	0
Tbx6	4	0	0	0
Hirip3	2	0	0	0
BC048731	1	0	0	0
Setd1a	6	0	0	0
Hsd3b7	2	0	0	0
Myst1	3	0	0	0
Btbd16	1	0	0	0
Pstk	2	0	0	0
Fank1	3	0	0	0
Cd151	9	0	0	0
XLOC_030107	4	0	0	0
Oscar	1	0	0	0
Tmc4	4	0	0	0
Lair1	1	0	0	0
Cdc42ep5	2	0	0	0
Zfp772	3	0	0	0
XLOC_030175	2	0	0	0
Sae1	1	0	0	0
Bloc1s3	2	0	0	0
Tomm40	2	0	0	0
Zfp111	4	0	0	0



Atp1a3	3	0	0	0
Grik5	2	0	0	0
Shkbp1	2	0	0	0
XLOC_030260	2	0	0	0
1700049G17Rik	3	0	0	0
XLOC_030263	2	0	0	0
Med29	1	0	0	0
Lin37	4	0	0	0
Lsr	6	0	0	0
AK049985	1	0	0	0
AK081136	4	0	0	0
1700028J19Rik	6	0	0	0
Trpm4	7	0	0	0
Fgf21	1	0	0	0
XLOC_030431	3	0	0	0
Mrgpra3	5	0	0	0
XLOC_030432	2	0	0	0
XLOC_030433	2	0	0	0
XLOC_030436	2	0	0	0
XLOC_030443	3	0	0	0
Gabra5	7	0	0	0
Ipw	3	0	0	0
XLOC_030489	1	0	0	0
Rccd1	2	0	0	0
Wdr73	2	0	0	0
Rps17	6	0	0	0
Lrrc51	2	0	0	0
Rrp8	4	0	0	0
Dchs1	5	0	0	0
Stk33	6	0	0	0
Gm9105	1	0	0	0
Ascl3	1	0	0	0
AK009335	3	0	0	0
Smg1	3	0	0	0
AK018490	1	0	0	0
AK043947	2	0	0	0
Lat	2	0	0	0
Nfatc2ip	3	0	0	0
Maz	4	0	0	0
Kif22	2	0	0	0
XLOC_030751	1	0	0	0
Cox6a2	1	0	0	0
AK080057	2	0	0	0
Mapk1ip1	2	0	0	0
Bnip3	6	0	0	0
RP23-118G3.2	2	0	0	0
Cars	6	0	0	0

Cnot3	5	0	0	0
Zscan22	4	0	0	0
XLOC_029516	1	0	0	0
Ckm	2	0	0	0
XLOC_029551	1	0	0	0
Gm8946	1	0	0	0
2310022A10Rik	3	0	0	0
4933426I21Rik	2	0	0	0
9530053A07Rik	3	0	0	0
Rasgrp4	3	0	0	0
Ggn	1	0	0	0
XLOC_029625	1	0	0	0
XLOC_029652	3	0	0	0
Rhpn2	1	0	0	0
XLOC_029691	1	0	0	0
XLOC_029730	1	0	0	0
Siglech	1	0	0	0
AK035406	1	0	0	0
Acan	1	0	0	0
Fanci	1	0	0	0
D330012F22Rik	1	0	0	0
XLOC_029835	1	0	0	0
E230029C05Rik	2	0	0	0
Lrrc32	3	0	0	0
Xrra1	1	0	0	0
3200002M19Rik	7	0	0	0
Olf558	2	0	0	0
Calcb	1	0	0	0
Insc	3	0	0	0
XLOC_029958	1	0	0	0
Il21r	5	0	0	0
D430042O09Rik	5	0	0	0
Tmem80	1	0	0	0
Mrpl23	3	0	0	0
Il11	1	0	0	0
XLOC_030147	1	0	0	0
Vmn2r29	2	0	0	0
Vmn1r90	1	0	0	0
Fosb	1	0	0	0
Apoe	2	0	0	0
XLOC_030225	6	0	0	0
Cd177	2	0	0	0
BC027344	1	0	0	0
Zfp74	1	0	0	0
Fxyd7	5	0	0	0
XLOC_030329	2	0	0	0
Gpatc1	1	0	0	0

XLOC_030343	5	0	0	0
Gm10109	2	0	0	0
Clec11a	2	0	0	0
Sec1	3	0	0	0
XLOC_030449	1	0	0	0
St8sia2	1	0	0	0
Bnc1	1	0	0	0
Gm10159	1	0	0	0
BC048663	2	0	0	0
Pcf11	3	0	0	0
4632427E13Rik	1	0	0	0
Tsku	3	0	0	0
Tomt	1	0	0	0
BC051516	1	0	0	0
AK034016	3	0	0	0
Ino80e	1	0	0	0
Bcl7c	4	0	0	0
Mki67	1	0	0	0
XLOC_030797	2	0	0	0
Ifitm6	1	0	0	0
6330512M04Rik	8	0	0	0
AK039657	1	0	0	0
Tsen34	1	0	0	0
XLOC_029493	1	0	0	0
Zfp296	2	0	0	0
Zfp428	2	0	0	0
Cd79a	1	0	0	0
Adck4	1	0	0	0
AK154275	1	0	0	0
AK087850	1	0	0	0
Nkg7	1	0	0	0
AK087248	1	0	0	0
Hrc	1	0	0	0
Oca2	1	0	0	0
Mesp2	1	0	0	0
XLOC_029824	1	0	0	0
XLOC_029832	1	0	0	0
XLOC_029842	1	0	0	0
AK132723	3	0	0	0
XLOC_029885	1	0	0	0
XLOC_029934	1	0	0	0
E130201H02Rik	1	0	0	0
4933427G17Rik	1	0	0	0
XLOC_029995	1	0	0	0
XLOC_030004	1	0	0	0
XLOC_030006	1	0	0	0
Itgad	2	0	0	0

Hmx3		1	0	0	0
Lrrc27		1	0	0	0
XLOC_030091		1	0	0	0
Tnnt3		1	0	0	0
XLOC_030120		2	0	0	0
Nlrp12		5	0	0	0
XLOC_030127		1	0	0	0
Gm1078		1	0	0	0
XLOC_030201		2	0	0	0
Gm7092		1	0	0	0
Kcnk6		2	0	0	0
Hcst		1	0	0	0
Upk1a		1	0	0	0
Gm5593		1	0	0	0
XLOC_030434		2	0	0	0
XLOC_030439		1	0	0	0
C230091D08Rik		1	0	0	0
XLOC_030455		2	0	0	0
AK043101		1	0	0	0
Nmb		2	0	0	0
Hbb-b1		1	0	0	0
Trim30d		3	0	0	0
Trim66		2	0	0	0
1700012D14Rik		1	0	0	0
XLOC_030708		2	0	0	0
	41883	6	0	0	0
Usp29		1	0	0	0
Slc8a2		2	0	0	0
XLOC_029505		1	0	0	0
XLOC_029513		1	0	0	0
Fbxo46		1	0	0	0
4732471J01Rik		1	0	0	0
AK131900		2	0	0	0
Slc28a1		1	0	0	0
XLOC_029831		1	0	0	0
XLOC_029837		2	0	0	0
XLOC_029978		1	0	0	0
Orai3		1	0	0	0
AK086971		2	0	0	0
XLOC_030068		2	0	0	0
XLOC_030093		1	0	0	0
Tspan4		1	0	0	0
XLOC_030204		1	0	0	0
Klc3		2	0	0	0
mKIAA1860		1	0	0	0
XLOC_030255		1	0	0	0
Catsperg1		1	0	0	0

XLOC_030342	1	0	0	0
Ap3s2	2	0	0	0
XLOC_030593	1	0	0	0
Taf10	2	0	0	0
Ears2	2	0	0	0
BC099577	1	0	0	0
Gm4532	1	0	0	0
AK149132	1	0	0	0
Ttyh1	1	0	0	0
Ccdc106	2	0	0	0
XLOC_029501	1	0	0	0
XLOC_029514	1	0	0	0
XLOC_029542	1	0	0	0
XLOC_029591	1	0	0	0
XLOC_029613	1	0	0	0
mKIAA0961	1	0	0	0
Lgi4	2	0	0	0
XLOC_029644	1	0	0	0
Klk10	1	0	0	0
Tsks	1	0	0	0
AK042966	1	0	0	0
XLOC_029719	1	0	0	0
XLOC_029724	1	0	0	0
XLOC_029791	1	0	0	0
XLOC_029917	1	0	0	0
AK136817	1	0	0	0
Ptprh	1	0	0	0
Fxyd3	2	0	0	0
XLOC_030330	1	0	0	0
RP23-390N24.1	1	0	0	0
Saa1	1	0	0	0
Gabrg3	1	0	0	0
XLOC_030670	1	0	0	0
AK053178	1	0	0	0
Atp2a1	1	0	0	0
Sult1a1	1	0	0	0
XLOC_030761	2	0	0	0
Fam53b	2	0	0	0
5830432E09Rik	1	0	0	0
XLOC_030791	1	0	0	0
XLOC_030792	1	0	0	0
XLOC_030832	1	0	0	0
Arhgef18	4	0	0	0
Zfp358	3	0	0	0
Pnpla6	10	0	0	0
2310057J16Rik	9	0	0	0
2900053A13Rik	6	0	0	0

Stxbp2	8	0	0	0
Trappc5	1	0	0	0
Evi5l	7	0	0	0
Map2k7	5	0	0	0
Snpc2	3	0	0	0
Lass4	6	0	0	0
Abhd13	2	0	0	0
Tnfsf13b	2	0	0	0
Myo16	5	0	0	0
Col4a2	3	0	0	0
BC030398	1	0	0	0
Carkd	4	0	0	0
Ing1	3	0	0	0
Arhgef7	2	0	0	0
4931415C17Rik	3	0	0	0
Atp11a	5	0	0	0
Mcf2l	5	0	0	0
Cul4a	5	0	0	0
Lamp1	4	0	0	0
Tmco3	2	0	0	0
Tfdp1	10	0	0	0
Fam70b	2	0	0	0
Cdc16	1	0	0	0
Upf3a	4	0	0	0
Zfp828	2	0	0	0
Fbxo25	3	0	0	0
Cln8	2	0	0	0
Arhgef10	9	0	0	0
Kbtbd11	6	0	0	0
XLOC_032187	2	0	0	0
Agpat5	1	0	0	0
Rpl19-ps11	1	0	0	0
XLOC_032197	4	0	0	0
Alg11	2	0	0	0
Vps36	1	0	0	0
Thsd1	6	0	0	0
BC035532	2	0	0	0
Plat	2	0	0	0
Myst3	5	0	0	0
Ank1	12	0	0	0
Sfrp1	3	0	0	0
Zmat4	8	0	0	0
Tm2d2	1	0	0	0
Fgfr1	12	0	0	0
Whsc1l1	7	0	0	0
Kcnu1	5	0	0	0
Zfp703	1	0	0	0

Erlin2	4	0	0	0
Prosc	2	0	0	0
Gpr124	1	0	0	0
Eif4ebp1	3	0	0	0
Chrn3	5	0	0	0
XLOC_032236	1	0	0	0
Dusp26	4	0	0	0
BC019943	5	0	0	0
XLOC_032243	4	0	0	0
Tex15	1	0	0	0
Ppp2cb	2	0	0	0
Gtf2e2	2	0	0	0
Mboat4	3	0	0	0
Tmem66	5	0	0	0
Dusp4	4	0	0	0
Ppp1r3b	1	0	0	0
Mfhas1	4	0	0	0
XLOC_032261	3	0	0	0
D8Ert82e	1	0	0	0
Kiaa1456	3	0	0	0
Tusc3	10	0	0	0
AK080223	2	0	0	0
XLOC_032269	1	0	0	0
Efha2	3	0	0	0
Zdhc2	3	0	0	0
Slc7a2	4	0	0	0
Pdgfrl	1	0	0	0
Gm16348	1	0	0	0
Pcm1	4	0	0	0
Fat1	5	0	0	0
4933411K20Rik	5	0	0	0
Acsl1	6	0	0	0
Casp3	3	0	0	0
Irf2	3	0	0	0
Rwdd4a	2	0	0	0
AK032387	7	0	0	0
Vegfc	3	0	0	0
Gpm6a	3	0	0	0
Hpgd	4	0	0	0
Fbxo8	2	0	0	0
AW046200	3	0	0	0
Mfap3l	3	0	0	0
2700029M09Rik	4	0	0	0
Nek1	8	0	0	0
Cbr4	1	0	0	0
Ddx60	10	0	0	0
Spock3	5	0	0	0

Tmem192	1	0	0	0
Npy1r	4	0	0	0
Naf1	4	0	0	0
Nat2	2	0	0	0
Sh2d4a	3	0	0	0
Ints10	8	0	0	0
Lpl	1	0	0	0
Atp6v1b2	1	0	0	0
Zfp930	4	0	0	0
D130040H23Rik	1	0	0	0
Atp13a1	6	0	0	0
Pbx4	4	0	0	0
Sugp1	4	0	0	0
Tm6sf2	3	0	0	0
Hapln4	4	0	0	0
Nr2c2ap	3	0	0	0
Mef2b	1	0	0	0
2310045N01Rik	1	0	0	0
Tmem161a	2	0	0	0
Sugp2	9	0	0	0
Cope	1	0	0	0
Lass1	2	0	0	0
Fkbp8	8	0	0	0
Eil	3	0	0	0
Lsm4	2	0	0	0
Rab3a	3	0	0	0
XLOC_032360	2	0	0	0
Use1	5	0	0	0
Ocel1	2	0	0	0
5430437P03Rik	1	0	0	0
Mrpl34	1	0	0	0
Gtpbp3	6	0	0	0
Fam125a	5	0	0	0
Pgls	2	0	0	0
Zfp709	3	0	0	0
Zfp617	7	0	0	0
Tpm4	2	0	0	0
Rab8a	1	0	0	0
Fam32a	2	0	0	0
1700030K09Rik	1	0	0	0
XLOC_032385	1	0	0	0
Tmem38a	4	0	0	0
Nwd1	9	0	0	0
Hmgxb4	10	0	0	0
Tom1	11	0	0	0
Mcm5	5	0	0	0
Rasd2	2	0	0	0



1700007B14Rik	1	0	0	0
Nr3c2	5	0	0	0
Prmt10	4	0	0	0
Ttc29	4	0	0	0
Zfp827	5	0	0	0
Otud4	6	0	0	0
Tbc1d9	5	0	0	0
XLOC_032410	2	0	0	0
Clgn	6	0	0	0
Gipc1	5	0	0	0
Ddx39	2	0	0	0
Lphn1	5	0	0	0
Asf1b	2	0	0	0
Samd1	2	0	0	0
Palm3	5	0	0	0
Rfx1	5	0	0	0
4930432K21Rik	6	0	0	0
Cacna1a	10	0	0	0
Gadd45gip1	2	0	0	0
Farsa	2	0	0	0
Syce2	3	0	0	0
Prdx2	4	0	0	0
2310036O22Rik	2	0	0	0
Dhps	5	0	0	0
Man2b1	6	0	0	0
Gpt2	5	0	0	0
Gm2694	6	0	0	0
Tmem188	3	0	0	0
Heatr3	2	0	0	0
Papd5	3	0	0	0
Adcy7	5	0	0	0
Nkd1	2	0	0	0
Cyld	9	0	0	0
XLOC_032460	11	0	0	0
Rbl2	2	0	0	0
Fto	5	0	0	0
BC100534	1	0	0	0
Lpcat2	6	0	0	0
XLOC_032468	1	0	0	0
Gnao1	10	0	0	0
Ogfod1	1	0	0	0
Mt3	1	0	0	0
Mt2	3	0	0	0
Mt1	1	0	0	0
Nup93	9	0	0	0
Slc12a3	6	0	0	0
Herpud1	4	0	0	0

Ap3s1-ps2	1	0	0	0
Cpne2	2	0	0	0
Rspry1	2	0	0	0
Arl2bp	4	0	0	0
Cx3cl1	1	0	0	0
Ccl17	1	0	0	0
Coq9	1	0	0	0
Polr2c	6	0	0	0
Gpr56	7	0	0	0
Katnb1	6	0	0	0
AA960436	2	0	0	0
Mmp15	3	0	0	0
Gins3	3	0	0	0
Ndrg4	9	0	0	0
Setd6	3	0	0	0
Gm15210	1	0	0	0
Cdh5	2	0	0	0
Bean1	9	0	0	0
XLOC_032507	3	0	0	0
Car7	6	0	0	0
D230025D16Rik	1	0	0	0
E2f4	2	0	0	0
Elmo3	6	0	0	0
Tmem208	3	0	0	0
XLOC_032521	1	0	0	0
Plekhg4	11	0	0	0
Fam65a	4	0	0	0
Rltpr	8	0	0	0
Nutf2	9	0	0	0
Nrn1l	4	0	0	0
Pskh1	2	0	0	0
Dus2l	4	0	0	0
Nfatc3	5	0	0	0
Pla2g15	1	0	0	0
Slc7a6	1	0	0	0
Zfp90	3	0	0	0
Cdh1	5	0	0	0
Tmco7	4	0	0	0
Has3	4	0	0	0
Cirh1a	2	0	0	0
Sntb2	3	0	0	0
Vps4a	1	0	0	0
Cyb5b	2	0	0	0
XLOC_032547	1	0	0	0
Zfhx3	5	0	0	0
Pkd1l3	2	0	0	0
Zfp821	6	0	0	0

Ap1g1	4	0	0	0
Phlpp2	6	0	0	0
Zfp612	5	0	0	0
Ftsjd1	1	0	0	0
Vac14	1	0	0	0
Mtss1l	3	0	0	0
Cog4	1	0	0	0
St3gal2	3	0	0	0
Aars	4	0	0	0
Pdpr	1	0	0	0
Znrf1	4	0	0	0
Zfp1	3	0	0	0
Gabarapl2	4	0	0	0
Terf2ip	1	0	0	0
XLOC_032577	3	0	0	0
Mon1b	3	0	0	0
Nudt7	3	0	0	0
Vat1l	5	0	0	0
Wwox	5	0	0	0
Atmin	1	0	0	0
Gan	2	0	0	0
XLOC_032587	1	0	0	0
4933407C03Rik	8	0	0	0
Hsbp1	1	0	0	0
Mlycd	3	0	0	0
Necab2	1	0	0	0
Wfdc1	2	0	0	0
Usp10	3	0	0	0
Crispld2	3	0	0	0
Gm10614	1	0	0	0
XLOC_032603	1	0	0	0
Cox4i1	5	0	0	0
Map1lc3b	4	0	0	0
Jph3	4	0	0	0
XLOC_032613	1	0	0	0
Zfpm1	6	0	0	0
Zc3h18	4	0	0	0
AK209590	1	0	0	0
Ctu2	3	0	0	0
Trappc2l	1	0	0	0
Acsf3	5	0	0	0
XLOC_032621	4	0	0	0
Cdh15	3	0	0	0
Spg7	4	0	0	0
Rpl13	4	0	0	0
Cpne7	1	0	0	0
Cdk10	4	0	0	0

Zfp276	6	0	0	0
Spire2	1	0	0	0
Tcf25	7	0	0	0
Tubb3	2	0	0	0
Def8	3	0	0	0
Afg3l1	5	0	0	0
Gas8	1	0	0	0
Rhou	2	0	0	0
Rab4a	5	0	0	0
Gm4342	1	0	0	0
mKIAA0133	5	0	0	0
Galnt2	4	0	0	0
Cog2	3	0	0	0
Capn9	2	0	0	0
Trim67	1	0	0	0
Gnpat	3	0	0	0
Tsnax	3	0	0	0
XLOC_032650	2	0	0	0
Disc1	5	0	0	0
4933403G14Rik	1	0	0	0
XLOC_032653	1	0	0	0
Ntpcr	2	0	0	0
BC021891	3	0	0	0
Kcnk1	5	0	0	0
Slc35f3	9	0	0	0
1810063B05Rik	1	0	0	0
XLOC_032660	7	0	0	0
Nrp1	6	0	0	0
Insr	5	0	0	0
Xab2	4	0	0	0
AK019114	4	0	0	0
Cd209a	2	0	0	0
Gm17605	1	0	0	0
Timm44	5	0	0	0
Elavl1	2	0	0	0
Shcbp1	2	0	0	0
Efnb2	3	0	0	0
Arglu1	3	0	0	0
XLOC_032681	3	0	0	0
Fam155a	7	0	0	0
Lig4	3	0	0	0
Irs2	2	0	0	0
Col4a1	2	0	0	0
Rab20	2	0	0	0
Ankrd10	9	0	0	0
Tubgcp3	6	0	0	0
Pcid2	4	0	0	0

Grtp1	3	0	0	0
Adprhl1	3	0	0	0
Dcun1d2	5	0	0	0
Gas6	1	0	0	0
Rasa3	3	0	0	0
2410022L05Rik	1	0	0	0
2610019F03Rik	5	0	0	0
Erich1	3	0	0	0
XLOC_032707	2	0	0	0
Angpt2	1	0	0	0
XLOC_032713	2	0	0	0
6820431F20Rik	3	0	0	0
Nek3	4	0	0	0
Slc25a15	7	0	0	0
A1316807	1	0	0	0
Vdac3	10	0	0	0
Polb	5	0	0	0
lkbkb	6	0	0	0
Ap3m2	4	0	0	0
Agpat6	4	0	0	0
Gins4	1	0	0	0
Golga7	6	0	0	0
Ido2	1	0	0	0
Adam9	9	0	0	0
Plekha2	5	0	0	0
Tacc1	9	0	0	0
Ddhd2	4	0	0	0
Bag4	1	0	0	0
Ash2l	2	0	0	0
Hgsnat	3	0	0	0
4930444A02Rik	4	0	0	0
Fnta	3	0	0	0
XLOC_032747	2	0	0	0
Chrna6	10	0	0	0
Unc5d	2	0	0	0
XLOC_032755	6	0	0	0
Mak16	1	0	0	0
Gm6877	1	0	0	0
Wrn	5	0	0	0
Ubxn8	2	0	0	0
AK012595	1	0	0	0
Rbpms	5	0	0	0
Dctn6	4	0	0	0
Leprotl1	5	0	0	0
B930018H19	4	0	0	0
Tnks	6	0	0	0
Eri1	4	0	0	0

Cldn23	1	0	0	0
Lonrf1	2	0	0	0
Dlc1	6	0	0	0
Mtmr7	2	0	0	0
Mtus1	9	0	0	0
Fgl1	4	0	0	0
Asah1	8	0	0	0
Frg1	1	0	0	0
Cyp4v3	1	0	0	0
Fam149a	2	0	0	0
Tlr3	8	0	0	0
1700029J07Rik	5	0	0	0
Snx25	4	0	0	0
Slc25a4	2	0	0	0
Stox2	4	0	0	0
D030016E14Rik	3	0	0	0
Gm8623	1	0	0	0
Ing2	3	0	0	0
Cdkn2aip	2	0	0	0
Wwc2	4	0	0	0
Spcs3	4	0	0	0
Sap30	1	0	0	0
Galnt7	4	0	0	0
Galnt6	4	0	0	0
Clcn3	6	0	0	0
Palld	8	0	0	0
Cpe	2	0	0	0
Sc4mol	3	0	0	0
Klhl2	2	0	0	0
1810029B16Rik	2	0	0	0
Gm9755	1	0	0	0
Psd3	6	0	0	0
Csgalnact1	6	0	0	0
Slc18a1	4	0	0	0
Lzts1	4	0	0	0
AK034302	4	0	0	0
Zfp866	6	0	0	0
Ndufa13	3	0	0	0
Gatad2a	11	0	0	0
Mau2	3	0	0	0
Ncan	4	0	0	0
Rfxank	2	0	0	0
Slc25a42	2	0	0	0
Armc6	4	0	0	0
Ddx49	1	0	0	0
Crtc1	8	0	0	0
Klhl26	5	0	0	0

Tmem59l	3	0	0	0
2810428l15Rik	3	0	0	0
Ssbp4	7	0	0	0
Pgpep1	2	0	0	0
Mpv17l2	2	0	0	0
Arrdc2	7	0	0	0
Kcnn1	10	0	0	0
Ccdc124	4	0	0	0
Slc5a5	3	0	0	0
Haus8	4	0	0	0
Nr2f6	3	0	0	0
Ushbp1	9	0	0	0
Abhd8	1	0	0	0
Ano8	6	0	0	0
Plvap	1	0	0	0
Bst2	1	0	0	0
Tmem221	4	0	0	0
Unc13a	6	0	0	0
Fcho1	8	0	0	0
Eps15l1	11	0	0	0
Cherp	5	0	0	0
Slc35e1	1	0	0	0
Med26	1	0	0	0
Large	5	0	0	0
Gm7901	1	0	0	0
Arhgap10	4	0	0	0
Tmem184c	3	0	0	0
Ednra	3	0	0	0
Pou4f2	2	0	0	0
Rbmxt	4	0	0	0
Lsm6	5	0	0	0
Mmaa	9	0	0	0
Smad1	6	0	0	0
Abce1	3	0	0	0
Gm5909	1	0	0	0
Smarca5	5	0	0	0
Gab1	7	0	0	0
Usp38	3	0	0	0
Il15	5	0	0	0
Elmod2	3	0	0	0
Scoc	6	0	0	0
Tecr	9	0	0	0
Pkn1	4	0	0	0
AK134933	4	0	0	0
AK008705	3	0	0	0
Cc2d1a	5	0	0	0
Nanos3	2	0	0	0

Zswim4	3	0	0	0
Mri1	4	0	0	0
Ier2	1	0	0	0
Nacc1	4	0	0	0
Calr	1	0	0	0
Gcdh	4	0	0	0
Mast1	5	0	0	0
Rnaseh2a	2	0	0	0
Asna1	1	0	0	0
Wdr83	3	0	0	0
4921524J17Rik	3	0	0	0
Dnaja2	1	0	0	0
Neto2	6	0	0	0
Irfg1	3	0	0	0
Siah1a	3	0	0	0
N4bp1	4	0	0	0
Cbln1	2	0	0	0
Zfp423	8	0	0	0
Brd7	3	0	0	0
Tox3	3	0	0	0
XLOC_032955	1	0	0	0
Aktip	5	0	0	0
Irx3	1	0	0	0
Gm16615	1	0	0	0
Amfr	3	0	0	0
Nudt21	3	0	0	0
Bbs2	4	0	0	0
Fam192a	5	0	0	0
Pllp	1	0	0	0
Ciapi1	4	0	0	0
Dok4	6	0	0	0
Ccdc102a	5	0	0	0
Kifc3	4	0	0	0
Zfp319	2	0	0	0
Gtl3	4	0	0	0
Csnk2a2	4	0	0	0
Cnot1	9	0	0	0
Slc38a7	3	0	0	0
Got2	6	0	0	0
Cdh8	6	0	0	0
Cdh11	8	0	0	0
Gm8730	1	0	0	0
XLOC_032992	6	0	0	0
Cmtm4	1	0	0	0
Dync1li2	7	0	0	0
Nae1	2	0	0	0
Fam96b	3	0	0	0



B3gnt9-ps	2	0	0	0
Tradd	7	0	0	0
Kctd19	6	0	0	0
Tppp3	3	0	0	0
Acd	3	0	0	0
Ctrl	2	0	0	0
Psmb10	5	0	0	0
Chtf8	3	0	0	0
Cog8	2	0	0	0
Terf2	5	0	0	0
Nqo1	2	0	0	0
Nob1	3	0	0	0
Rps26-ps1	1	0	0	0
Psm7	2	0	0	0
AK042944	6	0	0	0
Gm1943	1	0	0	0
Dhx38	3	0	0	0
Hp	1	0	0	0
Dhodh	4	0	0	0
2400003C14Rik	6	0	0	0
Atxn1l	7	0	0	0
Il34	4	0	0	0
Sf3b3	1	0	0	0
Ddx19b	2	0	0	0
AK020517	2	0	0	0
Glg1	2	0	0	0
Rfwd3	3	0	0	0
Mkl	7	0	0	0
Fa2h	3	0	0	0
Wdr59	4	0	0	0
Ldhd	1	0	0	0
Bcar1	5	0	0	0
Cfdp1	1	0	0	0
Chst5	2	0	0	0
Tmem231	4	0	0	0
Adat1	4	0	0	0
Kars	4	0	0	0
Maf	1	0	0	0
Cdyl2	2	0	0	0
Gcsh	5	0	0	0
Sdr42e1	3	0	0	0
Mbtps1	5	0	0	0
Hsd1l	6	0	0	0
Taf1c	4	0	0	0
4632415K11Rik	2	0	0	0
Cotl1	1	0	0	0
AK039624	5	0	0	0

Gins2	1	0	0	0
XLOC_033092	2	0	0	0
Cox4nb	1	0	0	0
AK087264	7	0	0	0
Mthfsd	9	0	0	0
Fbxo31	8	0	0	0
Zcchc14	8	0	0	0
Slc7a5	2	0	0	0
Cyba	1	0	0	0
Mvd	1	0	0	0
Rnf166	2	0	0	0
Fam38a	10	0	0	0
Aprt	2	0	0	0
Cbfa2t3	5	0	0	0
Ankrd11	4	0	0	0
Chmp1a	1	0	0	0
Spata2L	3	0	0	0
Fanca	5	0	0	0
Dbnidd1	1	0	0	0
XLOC_033123	8	0	0	0
Nup133	2	0	0	0
Abcb10	2	0	0	0
Taf5l	3	0	0	0
Pgbd5	6	0	0	0
Agt	4	0	0	0
2310022B05Rik	2	0	0	0
Fam89a	2	0	0	0
2810004N23Rik	1	0	0	0
Egln1	3	0	0	0
Pcnxl2	7	0	0	0
Irf2bp2	2	0	0	0
Rbm34	3	0	0	0
XLOC_032189	4	0	0	0
XLOC_032199	2	0	0	0
Mrps31	1	0	0	0
Ppapdc1b	1	0	0	0
ENSMUSG00000054427	1	0	0	0
Lsm1	1	0	0	0
XLOC_032244	1	0	0	0
AI429214	1	0	0	0
Sorbs2	9	0	0	0
AK141659	7	0	0	0
Gmip	8	0	0	0
Lpar2	3	0	0	0
Comp	2	0	0	0
Isyna1	4	0	0	0
XLOC_032353	3	0	0	0

XLOC_032364	1	0	0	0
Dda1	1	0	0	0
Klf2	1	0	0	0
XLOC_032386	1	0	0	0
Sin3b	4	0	0	0
XLOC_032389	1	0	0	0
XLOC_032393	1	0	0	0
Slc10a7	4	0	0	0
Rnf150	3	0	0	0
Dnajb1	4	0	0	0
Ptger1	3	0	0	0
Prkaca	2	0	0	0
Dnase2a	5	0	0	0
Fbxw9	1	0	0	0
BC056474	1	0	0	0
Ccdc113	1	0	0	0
XLOC_032497	3	0	0	0
4930513N10Rik	1	0	0	0
Ces4a	1	0	0	0
Cbfb	13	0	0	0
Fbxl8	1	0	0	0
Hsf4	3	0	0	0
Nol3	2	0	0	0
Ctcf	3	0	0	0
XLOC_032528	1	0	0	0
Nip7	1	0	0	0
XLOC_032552	3	0	0	0
Txn14b	2	0	0	0
mKIAA1990	4	0	0	0
Dynlrb2	1	0	0	0
Bcmo1	5	0	0	0
6430548M08Rik	1	0	0	0
XLOC_032601	2	0	0	0
Foxf1a	1	0	0	0
XLOC_032610	1	0	0	0
4732415M23Rik	3	0	0	0
Arv1	7	0	0	0
XLOC_032680	1	0	0	0
Htra4	1	0	0	0
C330021F23Rik	1	0	0	0
Letm2	8	0	0	0
Hook3	3	0	0	0
XLOC_032748	1	0	0	0
Nrg1	7	0	0	0
BC088983	8	0	0	0
XLOC_032832	3	0	0	0
Zfp868	2	0	0	0

Zfp869	3	0	0	0
Zfp963	1	0	0	0
Gdf15	1	0	0	0
Pik3r2	6	0	0	0
B3gnt3	2	0	0	0
Calr3	3	0	0	0
Rad23a	4	0	0	0
Gm5741	1	0	0	0
Zfp791	3	0	0	0
Snx20	1	0	0	0
Gm5356	1	0	0	0
Rpgrip1l	6	0	0	0
4933436C20Rik	1	0	0	0
XLOC_032964	9	0	0	0
Tk2	3	0	0	0
Rrad	3	0	0	0
Lrrc29	10	0	0	0
Atp6v0d1	3	0	0	0
Ranbp10	6	0	0	0
Ddx19a	1	0	0	0
AK053982	1	0	0	0
Mphosph6	4	0	0	0
Zdhhc7	7	0	0	0
XLOC_033119	4	0	0	0
1700054N08Rik	5	0	0	0
Acta1	1	0	0	0
Ttc13	8	0	0	0
XLOC_033134	1	0	0	0
XLOC_033140	1	0	0	0
Tomm20	3	0	0	0
Ccl25	7	0	0	0
Zfp958	2	0	0	0
Myom2	2	0	0	0
Purg	1	0	0	0
XLOC_032248	2	0	0	0
XLOC_032263	1	0	0	0
XLOC_032293	1	0	0	0
Hmgb2	1	0	0	0
Aadat	2	0	0	0
XLOC_032307	4	0	0	0
Glt25d1	2	0	0	0
AK041972	2	0	0	0
Anapc10	4	0	0	0
XLOC_032444	1	0	0	0
XLOC_032446	1	0	0	0
XLOC_032461	1	0	0	0
Ces7	1	0	0	0

XLOC_032481	1	0	0	0
Ccl22	2	0	0	0
Gpr97	7	0	0	0
XLOC_032508	1	0	0	0
Lrrc36	2	0	0	0
XLOC_032551	1	0	0	0
Hydin	2	0	0	0
XLOC_032620	1	0	0	0
XLOC_032635	2	0	0	0
XLOC_032648	1	0	0	0
XLOC_032657	1	0	0	0
Gm7461	1	0	0	0
Slc10a2	1	0	0	0
Atp7b	2	0	0	0
4930448N21Rik	1	0	0	0
Npy5r	2	0	0	0
Abcc12	2	0	0	0
XLOC_032956	1	0	0	0
Ces5a	3	0	0	0
Ccdc79	2	0	0	0
Slc7a6os	2	0	0	0
XLOC_033041	1	0	0	0
Clec18a	1	0	0	0
Slc38a8	3	0	0	0
Sult5a1	5	0	0	0
Tarbp1	3	0	0	0
XLOC_032169	1	0	0	0
XLOC_032229	1	0	0	0
Enpp6	1	0	0	0
XLOC_032317	1	0	0	0
Ankle1	1	0	0	0
Fam129c	7	0	0	0
Zfp882	1	0	0	0
XLOC_032374	1	0	0	0
mszf37	1	0	0	0
XLOC_032377	1	0	0	0
XLOC_032388	2	0	0	0
XLOC_032400	2	0	0	0
XLOC_032475	1	0	0	0
XLOC_032558	2	0	0	0
XLOC_032636	2	0	0	0
AK086660	1	0	0	0
Gm6524	1	0	0	0
Adam32	3	0	0	0
Adrb3	2	0	0	0
XLOC_032757	1	0	0	0
XLOC_032828	1	0	0	0

Cyp4f18	3	0	0	0
Cib3	2	0	0	0
AK039159	2	0	0	0
AK039837	1	0	0	0
Agrp	1	0	0	0
AK076897	2	0	0	0
XLOC_033064	1	0	0	0
1700030J22Rik	2	0	0	0
XLOC_032141	1	0	0	0
XLOC_032306	1	0	0	0
XLOC_032329	2	0	0	0
Ucp1	1	0	0	0
XLOC_032445	1	0	0	0
XLOC_032499	1	0	0	0
XLOC_032570	1	0	0	0
XLOC_032571	2	0	0	0
XLOC_032582	2	0	0	0
XLOC_032607	1	0	0	0
XLOC_032738	2	0	0	0
XLOC_032756	1	0	0	0
Cnot7	1	0	0	0
Gm7697	1	0	0	0
XLOC_032849	1	0	0	0
4931428F04Rik	1	0	0	0
Fhod1	1	0	0	0
E130303B06Rik	2	0	0	0
Chst4	1	0	0	0
XLOC_033112	1	0	0	0
AK162519	1	0	0	0
XLOC_032238	1	0	0	0
XLOC_032271	1	0	0	0
Asb5	1	0	0	0
AK084432	2	0	0	0
XLOC_032354	1	0	0	0
AK085371	1	0	0	0
Ndufb7	1	0	0	0
1700067K01Rik	1	0	0	0
XLOC_032430	1	0	0	0
A330008L17Rik	1	0	0	0
Foxc2	1	0	0	0
XLOC_032618	1	0	0	0
AK013187	1	0	0	0
Cd209f	1	0	0	0
XLOC_032776	1	0	0	0
2810422J05Rik	1	0	0	0
Ifi30	1	0	0	0
Il27ra	2	0	0	0

Cngb1	1	0	0	0
Zdhhc1	5	0	0	0
AK086852	1	0	0	0
Dpep2	1	0	0	0
XLOC_033021	1	0	0	0
AK038784	1	0	0	0
Alkbh8	7	0	0	0
Cwf19l2	3	0	0	0
Gucy1a2	1	0	0	0
Kbtbd3	3	0	0	0
8430410K20Rik	3	0	0	0
Casp1	4	0	0	0
Casp4	6	0	0	0
Casp12	2	0	0	0
Dcun1d5	4	0	0	0
Tmem123	2	0	0	0
Trpc6	3	0	0	0
Pgr	1	0	0	0
Gm16485	1	0	0	0
XLOC_034135	1	0	0	0
Maml2	2	0	0	0
Mtmr2	3	0	0	0
Fam76b	6	0	0	0
Sesn3	3	0	0	0
Cwc15	3	0	0	0
Mre11a	4	0	0	0
2200002K05Rik	3	0	0	0
Fn5	1	0	0	0
Slc36a4	5	0	0	0
Chordc1	2	0	0	0
Zfp317	11	0	0	0
Zfp846	6	0	0	0
Ubl5	7	0	0	0
Pin1	2	0	0	0
A230050P20Rik	4	0	0	0
Ppan	4	0	0	0
Mrpl4	2	0	0	0
Atg4d	1	0	0	0
Ilf3	6	0	0	0
Qtrt1	5	0	0	0
Dnm2	9	0	0	0
AB124611	2	0	0	0
Hide1	1	0	0	0
Carm1	4	0	0	0
Smarca4	6	0	0	0
Ldlr	1	0	0	0
Ccdc159	4	0	0	0

2310047B19Rik		1	0	0	0
Pigyl		1	0	0	0
Zfp809		4	0	0	0
9530077C05Rik		2	0	0	0
Bmper		4	0	0	0
	41889	4	0	0	0
Eepd1		5	0	0	0
Thyn1		4	0	0	0
Igsf9b		4	0	0	0
XLOC_034190		1	0	0	0
Snx19		2	0	0	0
Adamts8		2	0	0	0
Zbtb44		4	0	0	0
Nfrkb		9	0	0	0
XLOC_034198		1	0	0	0
Ets1		5	0	0	0
Kirrel3		4	0	0	0
Srpr		4	0	0	0
Rpusd4		2	0	0	0
Pate2		2	0	0	0
Fez1		8	0	0	0
Tmem218		2	0	0	0
Hepacam		3	0	0	0
XLOC_034217		1	0	0	0
BC024479		6	0	0	0
Esam		6	0	0	0
Siae		2	0	0	0
Vwa5a		4	0	0	0
Zfp202		7	0	0	0
Scn3b		5	0	0	0
9030425E11Rik		3	0	0	0
XLOC_034229		4	0	0	0
2610203C20Rik		3	0	0	0
XLOC_034230		2	0	0	0
XLOC_034235		1	0	0	0
XLOC_034236		4	0	0	0
Pvrl1		1	0	0	0
XLOC_034240		1	0	0	0
Thy1		2	0	0	0
Usp2		4	0	0	0
C1qtnf5		2	0	0	0
AK134203		2	0	0	0
Mcam		5	0	0	0
Dpagt1		1	0	0	0
Hyou1		3	0	0	0
Slc37a4		6	0	0	0
Rps25		2	0	0	0



Gm9830	1	0	0	0
AK078316	3	0	0	0
Bcl9l	6	0	0	0
Ift46	7	0	0	0
Mpzl3	1	0	0	0
Scn4b	8	0	0	0
BC049352	1	0	0	0
Fxyd6	6	0	0	0
Fxyd2	1	0	0	0
Dscaml1	5	0	0	0
Sik3	6	0	0	0
Zfp259	4	0	0	0
Bud13	6	0	0	0
2900052N01Rik	6	0	0	0
Cadm1	12	0	0	0
Fam55d	4	0	0	0
Usp28	3	0	0	0
Zw10	4	0	0	0
Tmprss5	9	0	0	0
1600029D21Rik	2	0	0	0
Il18	2	0	0	0
Alg9	2	0	0	0
Ppp2r1b	2	0	0	0
Arhgap20	5	0	0	0
Rdx	1	0	0	0
Kdelc2	3	0	0	0
4930550C14Rik	7	0	0	0
Slc35f2	6	0	0	0
Idh3a	3	0	0	0
Dnaja4	3	0	0	0
Crabp1	1	0	0	0
Ireb2	6	0	0	0
Agphd1	5	0	0	0
Psm4	6	0	0	0
Ube2q2	8	0	0	0
Fbxo22	2	0	0	0
Isl2	2	0	0	0
XLOC_034312	1	0	0	0
Pstpip1	3	0	0	0
Hmg20a	2	0	0	0
Snupn	2	0	0	0
Ptpn9	4	0	0	0
Sin3a	4	0	0	0
Man2c1	8	0	0	0
Gm6166	1	0	0	0
Cox5a	5	0	0	0
2310046O06Rik	2	0	0	0

Scamp2	1	0	0	0
Ulk3	6	0	0	0
Ubl7	6	0	0	0
1600029O15Rik	1	0	0	0
6030419C18Rik	1	0	0	0
Nptn	6	0	0	0
Hcn4	2	0	0	0
Hexa	4	0	0	0
Celf6	5	0	0	0
Parp6	7	0	0	0
Pkm2	7	0	0	0
Gramd2	5	0	0	0
Myo9a	3	0	0	0
Larp6	2	0	0	0
Uaca	14	0	0	0
Tle3	8	0	0	0
XLOC_034355	1	0	0	0
Anp32a	5	0	0	0
Itga11	4	0	0	0
Cln6	2	0	0	0
Calml4	2	0	0	0
Aagab	3	0	0	0
Rpl4	4	0	0	0
Snpc5	1	0	0	0
Tipin	3	0	0	0
Dennd4a	3	0	0	0
2010321M09Rik	2	0	0	0
Dpp8	2	0	0	0
Igdcc4	8	0	0	0
Clpx	4	0	0	0
Pdcd7	2	0	0	0
Gm514	7	0	0	0
Rasl12	4	0	0	0
Mtfmt	6	0	0	0
Oaz2-ps	1	0	0	0
Csnk1g1	7	0	0	0
Ppib	1	0	0	0
Dapk2	1	0	0	0
Herc1	8	0	0	0
Car12	2	0	0	0
Rps27l	2	0	0	0
Anxa2	3	0	0	0
Bnip2	5	0	0	0
Gtf2a2	3	0	0	0
Sltm	9	0	0	0
Adam10	3	0	0	0
Gm3436	1	0	0	0

Zfp280d	2	0	0	0
Mns1	2	0	0	0
Rfx7	4	0	0	0
Nedd4	6	0	0	0
Pygo1	1	0	0	0
Dyx1c1	6	0	0	0
Ccpg1	6	0	0	0
Rab27a	4	0	0	0
Rsl24d1	3	0	0	0
BC031353	7	0	0	0
Arpp19	4	0	0	0
Myo5a	3	0	0	0
Leo1	3	0	0	0
Lysmd2	3	0	0	0
Bmp5	2	0	0	0
Hmgcll1	4	0	0	0
Gclc	5	0	0	0
Ick	4	0	0	0
AK050586	9	0	0	0
Gsta4	2	0	0	0
Mto1	2	0	0	0
Cd109	3	0	0	0
Senp6	9	0	0	0
Myo6	10	0	0	0
XLOC_034442	1	0	0	0
AK082555	1	0	0	0
AK052495	4	0	0	0
Mei4	3	0	0	0
Sh3bgrl2	4	0	0	0
Bckdhb	2	0	0	0
Dopey1	5	0	0	0
Prss35	3	0	0	0
Cyb5r4	7	0	0	0
XLOC_034460	1	0	0	0
XLOC_034461	2	0	0	0
Nt5e	2	0	0	0
Zfp949	2	0	0	0
Mthfs	4	0	0	0
Rasgrf1	6	0	0	0
Plscr2	3	0	0	0
Plscr4	3	0	0	0
Plod2	5	0	0	0
Slc9a9	6	0	0	0
Pcolce2	3	0	0	0
Atr	2	0	0	0
Xrn1	7	0	0	0
Gk5	3	0	0	0

Tfdp2	10	0	0	0
AK089981	5	0	0	0
Gm10123	1	0	0	0
Rbp1	1	0	0	0
Copb2	4	0	0	0
Faim	2	0	0	0
Dbr1	2	0	0	0
Dzip1l	7	0	0	0
Stag1	5	0	0	0
Msl2	1	0	0	0
Ky	1	0	0	0
Anapc13	3	0	0	0
Amotl2	3	0	0	0
Ryk	4	0	0	0
Slco2a1	5	0	0	0
XLOC_034514	1	0	0	0
Rab6b	5	0	0	0
Nphp3	10	0	0	0
Acad11	2	0	0	0
Cpne4	7	0	0	0
Mrpl3	5	0	0	0
Pik3r4	2	0	0	0
Wdr82	3	0	0	0
Twf2	1	0	0	0
Poc1a	3	0	0	0
Dusp7	1	0	0	0
Rpl29	3	0	0	0
Pcbp4	8	0	0	0
Rrp9	3	0	0	0
Vprbp	3	0	0	0
6430571L13Rik	1	0	0	0
Cacna2d2	10	0	0	0
Tmem115	1	0	0	0
Nprl2	4	0	0	0
Tusc2	1	0	0	0
Hyal2	2	0	0	0
Ifrd2	3	0	0	0
Mon1a	1	0	0	0
Traip	8	0	0	0
Uba7	6	0	0	0
Ip6k1	8	0	0	0
Gmppb	5	0	0	0
Amt	4	0	0	0
Rhoa	4	0	0	0
Gpx1	2	0	0	0
Usp4	2	0	0	0
Ccdc71	1	0	0	0

Lamb2	6	0	0	0
Usp19	7	0	0	0
Qars	3	0	0	0
Qrich1	2	0	0	0
Impdh2	6	0	0	0
Slc25a20	1	0	0	0
Prkar2a	2	0	0	0
Ip6k2	2	0	0	0
Celsr3	10	0	0	0
Slc26a6	6	0	0	0
Uqcrc1	2	0	0	0
Col7a1	10	0	0	0
Shisa5	4	0	0	0
Ccdc51	3	0	0	0
Cdc25a	3	0	0	0
Mtap4	7	0	0	0
Cspg5	2	0	0	0
2610002I17Rik	1	0	0	0
Scap	4	0	0	0
Ccdc12	5	0	0	0
Als2cl	12	0	0	0
Lrrfip2	4	0	0	0
Epm2aip1	2	0	0	0
Trank1	5	0	0	0
2900079G21Rik	1	0	0	0
Clasp2	10	0	0	0
Ubp1	1	0	0	0
Glb1	2	0	0	0
XLOC_034595	1	0	0	0
Dync1li1	2	0	0	0
Cmtm6	2	0	0	0
Osbp10	10	0	0	0
XLOC_034599	2	0	0	0
XLOC_034601	2	0	0	0
XLOC_034603	5	0	0	0
Azi2	3	0	0	0
XLOC_034607	3	0	0	0
Itga9	2	0	0	0
Ctdspl	4	0	0	0
Vill	9	0	0	0
Acaa1a	8	0	0	0
Xylb	3	0	0	0
Acvr2b	6	0	0	0
Exog	5	0	0	0
Wdr48	4	0	0	0
Ttc21a	4	0	0	0
Slc25a38	1	0	0	0

Rpsa	10	0	0	0
Myrip	5	0	0	0
Eif1b	4	0	0	0
Entpd3	2	0	0	0
Rpl14	7	0	0	0
Ctnnb1	5	0	0	0
XLOC_034632	3	0	0	0
Trak1	11	0	0	0
XLOC_034635	2	0	0	0
Deb1	4	0	0	0
Kbtbd5	1	0	0	0
1700048O20Rik	3	0	0	0
Snrk	7	0	0	0
Abhd5	5	0	0	0
XLOC_034643	2	0	0	0
9530059O14Rik	2	0	0	0
D9Ertd402e	5	0	0	0
Zfp105	3	0	0	0
Kif15	6	0	0	0
Lars2	2	0	0	0
Sacm1l	1	0	0	0
Ccr2	2	0	0	0
Aasdhpt	3	0	0	0
Gria4	6	0	0	0
Yap1	3	0	0	0
9230110C19Rik	3	0	0	0
AK129341	7	0	0	0
AK054106	1	0	0	0
Arhgap42	4	0	0	0
Cep57	1	0	0	0
Endod1	3	0	0	0
Amotl1	6	0	0	0
Fut4	1	0	0	0
Ankrd49	2	0	0	0
Panx1	6	0	0	0
Med17	1	0	0	0
4931406C07Rik	1	0	0	0
5830418K08Rik	5	0	0	0
Ccdc67	1	0	0	0
Fat3	10	0	0	0
Zfp558	10	0	0	0
Zfp560	4	0	0	0
Zfp26	4	0	0	0
Zfp426	8	0	0	0
Olfm2	1	0	0	0
Col5a3	11	0	0	0
Angptl6	3	0	0	0

Eif3g	1	0	0	0
Dnmt1	3	0	0	0
S1pr2	2	0	0	0
Raver1	8	0	0	0
Tyk2	9	0	0	0
Cdc37	6	0	0	0
Keap1	3	0	0	0
Tmed1	1	0	0	0
Yipf2	7	0	0	0
Spc24	4	0	0	0
Kank2	2	0	0	0
Dock6	15	0	0	0
Rab3d	1	0	0	0
Ccdc151	5	0	0	0
Ecsit	2	0	0	0
Elof1	1	0	0	0
Zfp810	5	0	0	0
Anln	6	0	0	0
rp9	3	0	0	0
Dpy1911	3	0	0	0
Herpud2	2	0	0	0
Acad8	2	0	0	0
Vps26b	1	0	0	0
Jam3	1	0	0	0
Adamts15	5	0	0	0
St14	2	0	0	0
Aplp2	7	0	0	0
Tmem45b	4	0	0	0
Fli1	1	0	0	0
St3gal4	4	0	0	0
Tirap	6	0	0	0
Foxred1	8	0	0	0
Ddx25	1	0	0	0
Chek1	5	0	0	0
Stt3a	1	0	0	0
Ei24	3	0	0	0
Pknox2	9	0	0	0
Slc37a2	3	0	0	0
Ccdc15	7	0	0	0
Tbrg1	1	0	0	0
Gramd1b	15	0	0	0
XLOC_034759	3	0	0	0
4931429I11Rik	6	0	0	0
Ubash3b	9	0	0	0
Sorl1	7	0	0	0
Sc5d	2	0	0	0
Tbcel	6	0	0	0

Grik4	6	0	0	0
Arhgef12	8	0	0	0
Tmem136	5	0	0	0
Pou2f3	1	0	0	0
Oaf	3	0	0	0
XLOC_034776	8	0	0	0
Cbl	2	0	0	0
Nlr1	5	0	0	0
Abcg4	3	0	0	0
Hinf1	10	0	0	0
Vps11	5	0	0	0
Trappc4	2	0	0	0
Phldb1	18	0	0	0
Arcn1	4	0	0	0
Tmem25	6	0	0	0
Mll1	9	0	0	0
Ube4a	5	0	0	0
Gm10684	7	0	0	0
Il10ra	3	0	0	0
Pafah1b2	3	0	0	0
XLOC_034805	8	0	0	0
Fam55b	8	0	0	0
Rexo2	2	0	0	0
Rbm7	3	0	0	0
Zbtb16	4	0	0	0
Htr3a	3	0	0	0
Ttc12	3	0	0	0
Ncam1	9	0	0	0
Pts	5	0	0	0
Sdhd	2	0	0	0
AU019823	4	0	0	0
Dlat	3	0	0	0
1110032A03Rik	3	0	0	0
SIK2	2	0	0	0
Layn	3	0	0	0
Fdx1	2	0	0	0
A1593442	3	0	0	0
XLOC_034836	2	0	0	0
Atm	4	0	0	0
Elmod1	3	0	0	0
Tnfaip8l3	1	0	0	0
Dmxl2	7	0	0	0
Cib2	1	0	0	0
Acsbg1	4	0	0	0
Wdr61	6	0	0	0
Chrna3	2	0	0	0
Chrn4	3	0	0	0



Etfa	3	0	0	0
Scaper	2	0	0	0
Tspan3	1	0	0	0
C230081A13Rik	5	0	0	0
Lingo1	5	0	0	0
Snx33	2	0	0	0
Neil1	12	0	0	0
Commd4	1	0	0	0
1700017B05Rik	4	0	0	0
Scamp5	8	0	0	0
Csk	5	0	0	0
Pml	5	0	0	0
Loxl1	1	0	0	0
2410076I21Rik	5	0	0	0
Neo1	6	0	0	0
Bbs4	6	0	0	0
Arih1	5	0	0	0
Senp8	3	0	0	0
Rplp1	3	0	0	0
Kif23	6	0	0	0
Paqr5	5	0	0	0
Glce	2	0	0	0
XLOC_034893	1	0	0	0
Coro2b	5	0	0	0
Fem1b	1	0	0	0
Pias1	4	0	0	0
Skor1	1	0	0	0
2300009A05Rik	2	0	0	0
Gm6257	1	0	0	0
Smad6	3	0	0	0
Map2k1	6	0	0	0
Dis3l	5	0	0	0
Ptplad1	3	0	0	0
Plekho2	2	0	0	0
Zfp609	4	0	0	0
Snx22	4	0	0	0
Snx1	3	0	0	0
Fbxl22	1	0	0	0
Usp3	6	0	0	0
Aph1c	3	0	0	0
Lactb	3	0	0	0
Tpm1	2	0	0	0
Tln2	13	0	0	0
Fam81a	2	0	0	0
Ccnb2	4	0	0	0
Rnf111	6	0	0	0
Fam63b	3	0	0	0

Grin1a	2	0	0	0
Gcom1	5	0	0	0
Cgn1	8	0	0	0
Tcf12	11	0	0	0
Pigb	3	0	0	0
Unc13c	6	0	0	0
Mapk6	5	0	0	0
Tmod2	3	0	0	0
Scg3	10	0	0	0
Hcrtr2	3	0	0	0
Lrrc1	7	0	0	0
7SK	1	0	0	0
Ooep	5	0	0	0
Eef1a1	5	0	0	0
Slc17a5	2	0	0	0
Cox7a2	3	0	0	0
Tmem30a	2	0	0	0
Phip	8	0	0	0
Hmgn3	8	0	0	0
Elovl4	1	0	0	0
Fam46a	3	0	0	0
Ibtk	6	0	0	0
Ube2cbp	7	0	0	0
Pgm3	2	0	0	0
Snap91	11	0	0	0
Snx14	1	0	0	0
Syncrip	8	0	0	0
100039707	1	0	0	0
Gm2382	6	0	0	0
AF529169	7	0	0	0
Tmed3	3	0	0	0
Morf4l1	9	0	0	0
Tbc1d2b	2	0	0	0
Zic1	2	0	0	0
1190002N15Rik	2	0	0	0
2610101N10Rik	3	0	0	0
Trpc1	6	0	0	0
Pls1	5	0	0	0
Atp1b3	9	0	0	0
Rnf7	5	0	0	0
XLOC_034997	9	0	0	0
Rasa2	3	0	0	0
Zbtb38	7	0	0	0
Acpl2	3	0	0	0
Spsb4	3	0	0	0
Slc25a36	6	0	0	0
Clstn2	4	0	0	0

Mrps22	1	0	0	0
Pik3cb	5	0	0	0
Ii20rb	1	0	0	0
Nck1	5	0	0	0
Tmem22	3	0	0	0
Pccb	1	0	0	0
Ppp2r3a	2	0	0	0
Ephb1	2	0	0	0
Cep63	6	0	0	0
Srprb	1	0	0	0
Trf	2	0	0	0
Cdv3	6	0	0	0
Bfsp2	1	0	0	0
Tmem108	4	0	0	0
Uba5	5	0	0	0
Acpp	5	0	0	0
Nudt16	2	0	0	0
Nek11	3	0	0	0
Atp2c1	3	0	0	0
Alas1	1	0	0	0
Acy1	5	0	0	0
Parp3	7	0	0	0
Tex264	7	0	0	0
Rad54l2	6	0	0	0
Manf	1	0	0	0
Mapkapk3	8	0	0	0
Cyb561d2	3	0	0	0
Sema3b	6	0	0	0
Gnai2	3	0	0	0
Sema3f	9	0	0	0
Rbm5	3	0	0	0
Rbm6	8	0	0	0
6230427J02Rik	2	0	0	0
Rnf123	5	0	0	0
Apeh	4	0	0	0
Bsn	2	0	0	0
Dag1	7	0	0	0
Tcta	2	0	0	0
Klhdc8b	5	0	0	0
P4htm	5	0	0	0
Arih2	6	0	0	0
Ccdc72	6	0	0	0
Camp	1	0	0	0
Ptpn23	6	0	0	0
Klhl18	6	0	0	0
Nbeal2	8	0	0	0
Pth1r	3	0	0	0

Ccr12	3	0	0	0
Stac	4	0	0	0
Pdcd6ip	1	0	0	0
Fbxl2	6	0	0	0
Crtap	2	0	0	0
Cnot10	6	0	0	0
Cmtm7	2	0	0	0
Cmtm8	1	0	0	0
Gpd1l	3	0	0	0
Tgfbr2	4	0	0	0
Rbms3	8	0	0	0
Cmc1	1	0	0	0
Plcd1	6	0	0	0
9330176C04Rik	5	0	0	0
Oxsr1	4	0	0	0
Myd88	1	0	0	0
Scn11a	5	0	0	0
Gorasp1	2	0	0	0
Csrnp1	4	0	0	0
AK085969	1	0	0	0
Ulk4	13	0	0	0
Cck	3	0	0	0
Sec22c	6	0	0	0
Hhat1	6	0	0	0
Ccdc13	1	0	0	0
Gm9790	3	0	0	0
C85492	3	0	0	0
Ano10	4	0	0	0
XLOC_035130	3	0	0	0
Zfp445	5	0	0	0
1110059G10Rik	1	0	0	0
Zdhhc3	2	0	0	0
Lztfl1	7	0	0	0
XLOC_034142	1	0	0	0
Taf1d	1	0	0	0
XLOC_034167	3	0	0	0
XLOC_034199	1	0	0	0
XLOC_034212	6	0	0	0
Vsig2	1	0	0	0
XLOC_034226	1	0	0	0
Bsx	1	0	0	0
Scn2b	2	0	0	0
Bace1	1	0	0	0
Timm8b	1	0	0	0
Pih1d2	1	0	0	0
Fdxacb1	2	0	0	0
Npat	3	0	0	0

XLOC_034318	1	0	0	0
Stra6	7	0	0	0
XLOC_034353	1	0	0	0
Spg21	1	0	0	0
Fam96a	1	0	0	0
Znf280d	4	0	0	0
XLOC_034440	4	0	0	0
XLOC_034444	1	0	0	0
XLOC_034451	1	0	0	0
XLOC_034490	1	0	0	0
Aste1	6	0	0	0
Zmynd10	1	0	0	0
Hyal1	2	0	0	0
Camkv	3	0	0	0
Ucn2	1	0	0	0
Smarcc1	1	0	0	0
Susd5	1	0	0	0
Dlec1	11	0	0	0
XLOC_034614	3	0	0	0
XLOC_034644	1	0	0	0
Tmem42	3	0	0	0
Exosc7	2	0	0	0
XLOC_034654	4	0	0	0
Kdm4d	3	0	0	0
Naalad2	5	0	0	0
Zfp266	6	0	0	0
Fbxl12	3	0	0	0
Kri1	3	0	0	0
Dcps	2	0	0	0
Fam118b	2	0	0	0
Hyls1	1	0	0	0
Nrgn	3	0	0	0
AK089373	2	0	0	0
Atp5l	1	0	0	0
Rnf214	5	0	0	0
Sidt2	9	0	0	0
XLOC_034807	3	0	0	0
XLOC_034809	1	0	0	0
Nnmt	2	0	0	0
Dixdc1	4	0	0	0
2310030G06Rik	2	0	0	0
XLOC_034835	1	0	0	0
XLOC_034841	1	0	0	0
XLOC_034847	2	0	0	0
XLOC_034849	1	0	0	0
Cd276	5	0	0	0
AK038653	6	0	0	0

XLOC_034892	2	0	0	0
XLOC_034916	1	0	0	0
tsec-1	1	0	0	0
Gsta2	1	0	0	0
2810026P18Rik	2	0	0	0
AK131742	1	0	0	0
Dnajc13	6	0	0	0
Abhd14a	1	0	0	0
Hemk1	6	0	0	0
BY080835	1	0	0	0
XLOC_035067	1	0	0	0
Dhx30	4	0	0	0
Nradd	1	0	0	0
XLOC_035113	1	0	0	0
Higd1a	1	0	0	0
GODZ	1	0	0	0
Mmp8	1	0	0	0
XLOC_034134	1	0	0	0
Ncapd3	2	0	0	0
Gm16322	1	0	0	0
XLOC_034255	1	0	0	0
XLOC_034289	2	0	0	0
Edc3	2	0	0	0
XLOC_034335	1	0	0	0
AK039256	4	0	0	0
Aldh1a2	1	0	0	0
XLOC_034443	2	0	0	0
Ttk	2	0	0	0
XLOC_034463	2	0	0	0
Bcl2a1a	1	0	0	0
XLOC_034483	1	0	0	0
XLOC_034491	1	0	0	0
Nmnat3	2	0	0	0
Plxnb1	6	0	0	0
Myl3	1	0	0	0
Prss45	1	0	0	0
Ltf	2	0	0	0
AK015855	1	0	0	0
AK039053	1	0	0	0
Fam198a	1	0	0	0
XLOC_034640	3	0	0	0
XLOC_034649	3	0	0	0
Birc3	4	0	0	0
Epor	3	0	0	0
Acp5	3	0	0	0
A130066N16Rik	3	0	0	0
Gm10687	1	0	0	0

Acat1	2	0	0	0
XLOC_034869	1	0	0	0
Thsd4	1	0	0	0
Aph1b	1	0	0	0
Rab8b	2	0	0	0
XLOC_034925	1	0	0	0
Gm5918	1	0	0	0
Col12a1	5	0	0	0
Gm5621	1	0	0	0
Scn5a	1	0	0	0
XLOC_035127	2	0	0	0
Gm10606	1	0	0	0
Slc6a20a	4	0	0	0
XLOC_034122	3	0	0	0
5730577I03Rik	3	0	0	0
Icam4	1	0	0	0
Pus3	1	0	0	0
XLOC_034213	1	0	0	0
XLOC_034221	2	0	0	0
XLOC_034258	1	0	0	0
Mpzl2	2	0	0	0
XLOC_034277	2	0	0	0
AK146160	1	0	0	0
XLOC_034449	1	0	0	0
AK046134	1	0	0	0
XLOC_034471	1	0	0	0
Zic4	1	0	0	0
Plscr1	2	0	0	0
XLOC_034485	1	0	0	0
XLOC_034508	1	0	0	0
Tlr9	1	0	0	0
XLOC_034551	1	0	0	0
Zglp1	3	0	0	0
Ap1m2	2	0	0	0
Cd3g	1	0	0	0
Ppcdc	4	0	0	0
Lman1l	1	0	0	0
Ccdc33	1	0	0	0
Lipc	1	0	0	0
XLOC_034963	1	0	0	0
1300017J02Rik	1	0	0	0
XLOC_035082	1	0	0	0
XLOC_035100	5	0	0	0
XLOC_034275	1	0	0	0
XLOC_034321	1	0	0	0
XLOC_034418	1	0	0	0
XLOC_034482	1	0	0	0

Rbp2	1	0	0	0
Ube1l	1	0	0	0
Gad1	2	0	0	0
Tmem205	1	0	0	0
XLOC_034777	1	0	0	0
AK077358	1	0	0	0
XLOC_034193	1	0	0	0
XLOC_034215	1	0	0	0
Hspa8	2	0	0	0
Trim29	1	0	0	0
XLOC_034274	1	0	0	0
2410004A20Rik	1	0	0	0
XLOC_034413	1	0	0	0
XLOC_034437	1	0	0	0
AK162636	1	0	0	0
Trim43a	1	0	0	0
XLOC_034474	1	0	0	0
Dalrd3	1	0	0	0
Tmem103	1	0	0	0
Tgm4	1	0	0	0
XLOC_034774	1	0	0	0
Hspb2	2	0	0	0
XLOC_034888	1	0	0	0
XLOC_034902	1	0	0	0
XLOC_034962	1	0	0	0
Slc38a3	1	0	0	0
AK077029	1	0	0	0
Nudt11	1	0	0	0
Dgkk	1	0	0	0
LOC100270707	2	0	0	0
Prickle3	3	0	0	0
Praf2	6	0	0	0
Tcfe3	4	0	0	0
Gripap1	4	0	0	0
Kcnd1	6	0	0	0
Otud5	5	0	0	0
Pcsk1n	3	0	0	0
B630019K06Rik	1	0	0	0
Xk	3	0	0	0
Mid1ip1	3	0	0	0
Atp6ap2	1	0	0	0
Gm16265	1	0	0	0
AK036020	11	0	0	0
Usp9x	12	0	0	0
Rpl3-ps1	1	0	0	0
Ddx3x	8	0	0	0
Maoa	1	0	0	0



Chst7	1	0	0	0
Rp2h	2	0	0	0
Uba1	8	0	0	0
Cdk16	9	0	0	0
Wdr44	2	0	0	0
Dock11	9	0	0	0
Il13ra1	1	0	0	0
Zcchc12	5	0	0	0
Pgrmc1	2	0	0	0
Slc25a43	5	0	0	0
Slc25a5	4	0	0	0
Nkap	2	0	0	0
Zbtb33	2	0	0	0
Gm7598	1	0	0	0
Mcts1	4	0	0	0
Gria3	12	0	0	0
Xiap	6	0	0	0
Stag2	7	0	0	0
1110059M19Rik	1	0	0	0
Xpnpep2	4	0	0	0
Sash3	4	0	0	0
Utp14a	1	0	0	0
XLOC_036248	2	0	0	0
Rab33a	2	0	0	0
Slc25a14	11	0	0	0
Rbm2	1	0	0	0
Arhgap36	5	0	0	0
2610018G03Rik	2	0	0	0
Ccdc160	2	0	0	0
Phf6	3	0	0	0
Gm14584	1	0	0	0
Cxx1c	3	0	0	0
4930502E18Rik	4	0	0	0
Zfp449	3	0	0	0
Ncrna00086	1	0	0	0
Ddx26b	10	0	0	0
Slc9a6	4	0	0	0
Fhl1	7	0	0	0
Htatsf1	2	0	0	0
Gm14662	1	0	0	0
C230004F18Rik	9	0	0	0
Slitrk2	6	0	0	0
Fmr1	8	0	0	0
1110012L19Rik	1	0	0	0
Mamld1	4	0	0	0
Mtm1	4	0	0	0
Mtmr1	9	0	0	0

Vma21	4	0	0	0
Prrg3	4	0	0	0
Nsdhl	3	0	0	0
Xlr4b	1	0	0	0
Zfp275	4	0	0	0
Bgn	1	0	0	0
Slc6a8	1	0	0	0
Abcd1	5	0	0	0
Opn1mw	1	0	0	0
Emd	3	0	0	0
Atp6ap1	5	0	0	0
Gdi1	6	0	0	0
Fam50a	2	0	0	0
Plxna3	10	0	0	0
Ikbkg	5	0	0	0
Xlr3d-ps	2	0	0	0
Xlr3e-ps	2	0	0	0
Dkc1	3	0	0	0
Gm6039	1	0	0	0
Fundc2	2	0	0	0
Vbp1	1	0	0	0
Rps24-ps3	1	0	0	0
Tmem47	1	0	0	0
Dmd	9	0	0	0
Tab3	8	0	0	0
5430427019Rik	2	0	0	0
Pcyt1b	3	0	0	0
Zxdb	1	0	0	0
Msn	2	0	0	0
Gpr165	1	0	0	0
Ar	1	0	0	0
Yipf6	2	0	0	0
Stard8	6	0	0	0
Efnb1	1	0	0	0
XLOC_036367	2	0	0	0
Gm14808	1	0	0	0
Tmem28	1	0	0	0
Igbp1	1	0	0	0
Dlg3	10	0	0	0
Foxo4	3	0	0	0
Med12	11	0	0	0
Nlgn3	4	0	0	0
Gjb1	1	0	0	0
Taf1	5	0	0	0
Pin4	4	0	0	0
Chic1	2	0	0	0
2610029G23Rik	5	0	0	0

Magee1	1	0	0	0
Cox7b	4	0	0	0
Atp7a	3	0	0	0
Pgk1	3	0	0	0
Lpar4	1	0	0	0
2810403D21Rik	6	0	0	0
Sh3bgrl	5	0	0	0
Apool	1	0	0	0
Zfp711	6	0	0	0
Klhl4	2	0	0	0
Gm14897	1	0	0	0
Gm16373	1	0	0	0
Gm16421	1	0	0	0
Gm14942	1	0	0	0
Diap2	7	0	0	0
Srpx2	2	0	0	0
Cstf2	6	0	0	0
Tmem35	5	0	0	0
Drp2	9	0	0	0
Rpl36a	2	0	0	0
Hnrnph2	1	0	0	0
Armcx1	7	0	0	0
Wbp5	2	0	0	0
Tceal3	1	0	0	0
Tceal1	1	0	0	0
Plp1	4	0	0	0
Zcchc18	5	0	0	0
Fam199x	3	0	0	0
XLOC_036446	1	0	0	0
Rnf128	1	0	0	0
Frmpd3	6	0	0	0
Mid2	6	0	0	0
Atg4a	2	0	0	0
Nxt2	5	0	0	0
Tmem164	11	0	0	0
Pak3	8	0	0	0
Alg13	5	0	0	0
Alas2	7	0	0	0
Pfkfb1	6	0	0	0
Fgd1	2	0	0	0
Wnk3-ps	1	0	0	0
XLOC_036473	1	0	0	0
Fam120c	2	0	0	0
Huwe1	9	0	0	0
Hsd17b10	1	0	0	0
Smc1a	3	0	0	0
Iqsec2	10	0	0	0

Kdm5c	5	0	0	0
Rragb	5	0	0	0
Klf8	9	0	0	0
Ubqln2	1	0	0	0
2210013O21Rik	2	0	0	0
Spin2	5	0	0	0
Acot9	3	0	0	0
Smpx	5	0	0	0
Rps6ka3	8	0	0	0
Eif1ax	1	0	0	0
Mtap7d2	10	0	0	0
A830080D01Rik	5	0	0	0
Sh3kbp1	13	0	0	0
Gpr64	8	0	0	0
Scml2	3	0	0	0
Rai2	2	0	0	0
Rbbp7	6	0	0	0
Ace2	5	0	0	0
Piga	3	0	0	0
Fancb	7	0	0	0
Gemin8	4	0	0	0
Gpm6b	4	0	0	0
Trappc2	3	0	0	0
Arhgap6	2	0	0	0
Nudt10	1	0	0	0
Bmp15	1	0	0	0
Clcn5	3	0	0	0
Usp27x	1	0	0	0
cip7	2	0	0	0
Ppp1r3f	1	0	0	0
Ccdc120	2	0	0	0
Pqbp1	2	0	0	0
Hdac6	6	0	0	0
Suv39h1	2	0	0	0
Wdr13	5	0	0	0
Tbc1d25	3	0	0	0
Ebp	2	0	0	0
Porcn	2	0	0	0
Ftsj1	4	0	0	0
Cybb	3	0	0	0
Dynlt3	1	0	0	0
Rpgr	6	0	0	0
Srpx	2	0	0	0
Bcor	6	0	0	0
mKIAA1575	7	0	0	0
Gm14535	1	0	0	0
Gm9434	1	0	0	0

Cask	9	0	0	0
Maob	2	0	0	0
Ndp	3	0	0	0
Fundc1	1	0	0	0
Slc9a7	2	0	0	0
Ndufb11	5	0	0	0
Syn1	8	0	0	0
Zfp182	7	0	0	0
Zfp300	1	0	0	0
Gm6938	2	0	0	0
Klhl13	8	0	0	0
Gm6023	1	0	0	0
Akap17b	5	0	0	0
Rpl39	5	0	0	0
Nkrf	1	0	0	0
Upf3b	3	0	0	0
Ndufa1	1	0	0	0
Fam70a	3	0	0	0
Lamp2	2	0	0	0
Cul4b	4	0	0	0
C1galt1c1	1	0	0	0
Thoc2	6	0	0	0
Odz1	6	0	0	0
ten-m1	1	0	0	0
Dcaf12l1	2	0	0	0
Smarca1	7	0	0	0
Apln	4	0	0	0
Zdhhc9	4	0	0	0
Aifm1	4	0	0	0
Gpr119	3	0	0	0
Enox2	9	0	0	0
AK039412	2	0	0	0
6720401G13Rik	8	0	0	0
Frmd7	5	0	0	0
Rap2c	1	0	0	0
Hs6st2	8	0	0	0
Gpc4	1	0	0	0
Gpc3	2	0	0	0
Gm14586	1	0	0	0
Fam122b	7	0	0	0
Mospd1	4	0	0	0
Gm1862	1	0	0	0
Mmgt1	3	0	0	0
Arhgef6	8	0	0	0
RbmX	6	0	0	0
Fgf13	9	0	0	0
Gm5637	1	0	0	0

Mcf2	6	0	0	0
Slitrk4	4	0	0	0
Gm14681	1	0	0	0
Ids	7	0	0	0
BC023829	1	0	0	0
Cd99l2	9	0	0	0
Gabre	1	0	0	0
Gabra3	4	0	0	0
Cetn2	1	0	0	0
Xlr4c	4	0	0	0
Haus7	2	0	0	0
Pnck	5	0	0	0
Bcap31	2	0	0	0
ldh3g	3	0	0	0
L1cam	7	0	0	0
Irak1	6	0	0	0
Mecp2	4	0	0	0
Lage3	3	0	0	0
Ubl4	3	0	0	0
Fam3a	1	0	0	0
G6pdx	3	0	0	0
Gab3	7	0	0	0
Mpp1	2	0	0	0
F8	4	0	0	0
Rab39b	1	0	0	0
Pls3	4	0	0	0
Gm14706	1	0	0	0
Gm8722	1	0	0	0
Prkx	3	0	0	0
Gm8822	1	0	0	0
Gyk	3	0	0	0
Pola1	4	0	0	0
Pdk3	3	0	0	0
Zfx	6	0	0	0
Eif2s3x	1	0	0	0
Maged1	2	0	0	0
Zxda	1	0	0	0
Arhgef9	11	0	0	0
Fam123b	3	0	0	0
Zc4h2	1	0	0	0
Las1l	4	0	0	0
Ophn1	4	0	0	0
Pja1	2	0	0	0
Pdzd11	2	0	0	0
Slc7a3	4	0	0	0
Snx12	2	0	0	0
Il2rg	5	0	0	0

Zmym3	12	0	0	0
Rgag4	3	0	0	0
Rps4x	5	0	0	0
Hdac8	1	0	0	0
Phka1	6	0	0	0
Dmrtc1a	3	0	0	0
XLOC_036762	3	0	0	0
Gm6206	1	0	0	0
Nap1l2	1	0	0	0
B230206F22Rik	10	0	0	0
Slc16a2	3	0	0	0
Rlim	3	0	0	0
C77370	3	0	0	0
Abcb7	2	0	0	0
Zdhhc15	5	0	0	0
Magee2	1	0	0	0
5530601H04Rik	5	0	0	0
5330434G04Rik	4	0	0	0
Atrx	12	0	0	0
Magt1	2	0	0	0
Taf9b	3	0	0	0
Itm2a	1	0	0	0
2610002M06Rik	2	0	0	0
Brwd3	5	0	0	0
Hdx	3	0	0	0
Chm	6	0	0	0
Nap1l3	1	0	0	0
Pcdh19	2	0	0	0
Tspan6	2	0	0	0
Trmt2b	4	0	0	0
Gla	1	0	0	0
Armcx6	3	0	0	0
Armcx2	4	0	0	0
Zmat1	5	0	0	0
Bex2	3	0	0	0
Tceal8	1	0	0	0
Morf4l2	4	0	0	0
Rab9b	3	0	0	0
Tmsb15b2	1	0	0	0
Tmsb15l	5	0	0	0
Mcart6	6	0	0	0
Ripply1	3	0	0	0
Morc4	4	0	0	0
Rbm41	3	0	0	0
Tsc22d3	3	0	0	0
Psmc10	2	0	0	0
Kcne1l	1	0	0	0

Acsl4	4	0	0	0
Ammecr1	2	0	0	0
Lhfp1	5	0	0	0
Amot	3	0	0	0
Gm5644	1	0	0	0
Gm8261	1	0	0	0
Lrch2	7	0	0	0
Tmem29	2	0	0	0
Tro	5	0	0	0
Maged2	4	0	0	0
Gnl3l	3	0	0	0
Tsr2	3	0	0	0
A230072E10Rik	1	0	0	0
2900056M20Rik	3	0	0	0
Tspyl2	4	0	0	0
Shroom2	5	0	0	0
Kctd12b	2	0	0	0
Sat1	6	0	0	0
Prdx4	3	0	0	0
Ptchd1	1	0	0	0
Sms	4	0	0	0
Mbtps2	6	0	0	0
Yy2	1	0	0	0
Cnksr2	4	0	0	0
Pdha1	3	0	0	0
Ppef1	8	0	0	0
Cdkl5	2	0	0	0
Reps2	7	0	0	0
Gm15201	2	0	0	0
Txlng	2	0	0	0
Syap1	2	0	0	0
S100g	1	0	0	0
1700045I19Rik	1	0	0	0
Zrsr2	3	0	0	0
Bmx	4	0	0	0
Mospd2	2	0	0	0
Ofd1	2	0	0	0
Rab9	2	0	0	0
Tceanc	4	0	0	0
Tmsb4x	1	0	0	0
Prps2	2	0	0	0
Msl3	8	0	0	0
Hccs	3	0	0	0
G530011O06Rik	1	0	0	0
Wdr45	5	0	0	0
Pim2	1	0	0	0
Timm17b	1	0	0	0



Rbm10	2	0	0	0
Araf	2	0	0	0
Gm6274	1	0	0	0
XLOC_036226	2	0	0	0
XLOC_036267	1	0	0	0
F8a	1	0	0	0
Plxnb3	10	0	0	0
Ssr4	2	0	0	0
Brcc3	4	0	0	0
Tbl1x	2	0	0	0
Gm6954	1	0	0	0
Kif4	1	0	0	0
Nono	6	0	0	0
Armcx3	3	0	0	0
Bhlhb9	2	0	0	0
Bex4	2	0	0	0
Ngfrap1	4	0	0	0
BC065397	7	0	0	0
Rgag1	1	0	0	0
Smt3h1-ps	1	0	0	0
Phka2	3	0	0	0
Ctps2	5	0	0	0
Ap1s2	6	0	0	0
Tmem27	1	0	0	0
AK051847	4	0	0	0
Magix	3	0	0	0
1810030007Rik	1	0	0	0
4930578C19Rik	4	0	0	0
Slc10a3	1	0	0	0
Cited1	2	0	0	0
Timm8a1	1	0	0	0
Tceal5	3	0	0	0
Gm15013	1	0	0	0
Capn6	4	0	0	0
XLOC_036850	2	0	0	0
Apex2	2	0	0	0
Nhs	3	0	0	0
Tfe3	1	0	0	0
Ankrd58	1	0	0	0
XLOC_036258	2	0	0	0
XLOC_036326	1	0	0	0
XLOC_036353	4	0	0	0
AK050859	5	0	0	0
Zc3h12b	3	0	0	0
Heph	1	0	0	0
Eda	1	0	0	0
Pabpc5	1	0	0	0

3110007F17Rik	2	0	0	0
XLOC_036434	3	0	0	0
XLOC_036493	1	0	0	0
Map3k15	2	0	0	0
XLOC_036510	1	0	0	0
Pdzx	1	0	0	0
Rbm3	1	0	0	0
XLOC_036574	1	0	0	0
AK039500	1	0	0	0
Mtap7d3	3	0	0	0
Gm5391	1	0	0	0
4933407K13Rik	1	0	0	0
Gm16462	1	0	0	0
Il1rapl1	1	0	0	0
Xkrx	2	0	0	0
Ribc1	1	0	0	0
XLOC_036888	1	0	0	0
Slc35a2	2	0	0	0
Gpr34	2	0	0	0
Lonrf3	2	0	0	0
XLOC_036264	1	0	0	0
XLOC_036277	1	0	0	0
XLOC_036295	2	0	0	0
Xlr3b	3	0	0	0
2010000I03Rik	3	0	0	0
XLOC_036451	1	0	0	0
Figf	3	0	0	0
AK021262	1	0	0	0
XLOC_036643	3	0	0	0
Btk	1	0	0	0
Chrdl1	2	0	0	0
Siah1b	1	0	0	0
Taz	2	0	0	0
XLOC_036317	1	0	0	0
XLOC_036390	1	0	0	0
Tlr13	1	0	0	0
Dach2	1	0	0	0
XLOC_036420	1	0	0	0
Cenpi	1	0	0	0
XLOC_036497	1	0	0	0
Was	1	0	0	0
Gm10489	1	0	0	0
XLOC_036575	1	0	0	0
C330007P06Rik	1	0	0	0
AK082553	2	0	0	0
Xlr3a	1	0	0	0
XLOC_036679	1	0	0	0

Dnase1l1	2	0	0	0
XLOC_036739	2	0	0	0
Cxcr3	1	0	0	0
Cysltr1	1	0	0	0
Gm14957	1	0	0	0
Mageh1	1	0	0	0
Gm6787	1	0	0	0
XLOC_036208	1	0	0	0
Gm14549	1	0	0	0
F630028O10Rik	1	0	0	0
BC058988	1	0	0	0
Elf4	1	0	0	0
XLOC_036639	1	0	0	0
XLOC_036664	1	0	0	0
XLOC_036719	1	0	0	0
XLOC_036776	1	0	0	0
XLOC_036841	1	0	0	0
Ube1y1	2	0	0	0
Smcy	7	0	0	0
Kdm5d	1	0	0	0
Eif2s3y	6	0	0	0
Uty	10	0	0	0
Ddx3y	1	0	0	0
XLOC_037363	2	0	0	0
XLOC_037361	1	0	0	0