

Table S3. Clusters of Differential Gene Expression. 20 major clusters were identified that grouped into the 4 major categories depicted in Figure 4. All transcripts from each cluster as listed in this table, and the Log2FC values.

<i>Up Early-down late</i>						<i>Up late-down early</i>						<i>Peak at 11</i>						<i>On 10-11</i>						<i>On 11-12</i>					
E9	E10	E11	E12	E13		E9	E10	E11	E12	E13		E9	E10	E11	E12	E13		E9	E10	E11	E12	E13		E9	E10	E11	E12	E13	
Cluster 1 (44 genes)						Cluster 6 (475 genes)						Cluster 10 (401 genes)						Cluster 12 (491 genes)						Cluster 14 (153 genes)					
Hoxd8	2.4	2.4	2.2	1.7	2.2	Tes3-ps	0	1.2	1.1	1.1	1.2	AA987161	0	1.3	1.4	2	0	Eno1	0	1.3	1.8	0	0	Fam101a	-1	-1	1.5	1.2	0
Rabl3	1	3.1	2.4	2	1.2	Atpe5e	0	1.6	1.7	1.6	1.3	Dapk3	0	2.4	2.5	1.6	0	Taf8	0	1.1	1.3	0	0	Stxbp6	0	0	2	1.9	0
Mmp14	1.3	1.6	2.3	1.1	1.8	Golt1b	0	1.9	1.4	1.7	1.1	4931414P19Rik	0	1.7	1.2	1.2	0	Top3a	0	1.1	1.4	0	0	Rwdd3	0	0	1.4	1	0
Tbx15	2.3	3.8	2.9	1.9	1.4	Ext1	0	1.2	1.6	1.7	1.3	Arl16	0	1.3	1.5	1.7	0	Cuta	0	1.4	1.5	0	0	Cryab	-1	0	1	1.2	0
Lef1	2.6	3.3	3	2.2	2	Med27	0	2.4	2.3	2.1	1.5	Stambp	0	1.3	1.7	1.3	0	Rnaset2a	0	1	1.1	0	0	Col17a1	0	0	2.3	2.1	0
Pknox1	1.9	2.4	1.7	1.8	1.3	Six4	0	1.5	1	1.2	1.2	Cdh3	0	1.2	1.9	1.4	0	Ufd1l	0	1.1	1.1	0	0	Csgalnact1	0	0	1	1.4	0
Fam120a	1.1	1.6	1.2	1.1	1	Epb4.1l2	0	1.6	1.7	1.5	1.4	Hspb1	0	1.5	1.5	1.4	0	Ccdc23	0	1.1	1.5	0	0	Atfaf2	0	0	1.2	1.1	0
Efn4a	1.2	3.2	3.1	2.7	2	Akt1s1	0	3.1	3.8	2.9	1.5	Serinc2	0	1.5	2.6	1.3	0	Snx2	0	1	1.2	0	0	A930041H05Rik	0	0	1.3	1.1	0
Tbx5	1.8	2.4	2.8	3	2.6	4933407H18Rik	0	1.5	1.6	1.7	1.7	Helq	0	1.6	1.4	1.2	0	Atxn2l	0	1.3	1.2	0	0	AU020094	0	0	1.8	1.1	0
Hoxa11	1.8	3.4	3	2	1.8	Trpm7	0	1.2	1.2	1.3	1.6	Lrp5	0	1.8	1.9	1.2	0	D430042O09Rik	0	1.4	1.5	0	0	My1l	0	0	3.6	3.3	0
Pdia4	1	3.3	3.2	3	2.8	Srpk2	0	1.2	1.2	1.4	1.4	Spata7	0	1.3	1.6	1.4	0	Rpl41	0	1.1	1.4	0	0	Mtrr	0	0	1.1	1.6	0
Dbn1	1.1	2	2.1	1.1	1.1	Smek1	0	1.7	1.3	1.5	1.4	Ubxn8	0	1.5	1.7	1.1	0	Vps33b	0	1.2	1.6	0	0	Chrna1	0	0	1.7	1.2	0
Hoxd10	2.1	2.9	2.3	2.7	2.1	Agtr2	0	2.4	2.7	2	1.5	Sf3b5	0	1.1	1.4	1.5	0	Usp15	0	1.2	1	0	0	Acot13	0	0	1	1.3	0
Wasf2	1.1	2.2	2.3	1.7	1.3	Slc25a24	0	3.6	3.7	3.3	3.5	Gm5617	0	1.1	1.4	1.2	0	Tecr	0	1.2	1.4	0	0	C1qtnf7	0	0	1.5	1.5	0
Etv5	1.7	2.4	2.2	1.4	1.1	A430107O13Rik	0	1.5	1.2	1.6	1.4	Cep68	0	1.8	1.7	1.5	0	Unc119	0	1	1.1	0	0	Ndufc2	0	0	1.2	1.3	0
Zfp146	1.1	4.9	4.9	5.3	4.2	Btbd3	0	1.3	1	1.5	1.3	Cyp4f16	0	1.5	1.6	1.1	0	Smtn	0	1.5	1.4	0	0	Srd5a1	0	0	1.3	1.3	0
S1pr3	1.5	2.7	2.3	1.7	1.5	Dynlrb1	0	3.1	3.1	1.9	1.5	1700048O20Rik	0	1.2	1.2	1.8	0	2310047B19Rik	0	1.3	1	0	0	Ngrn	0	0	1.2	1	0
Prrx2	2	2.2	2.5	2.1	1.2	Rpl37	0	2.3	2.7	1.8	1.4	Ccdc89	0	1.4	1.2	1.3	0	Dhx38	0	1.3	1.3	0	0	1810030N24Rik	0	0	1	1.2	0
Rarg	1.6	3	2.9	2	1.5	Il6st	0	1.1	1.3	1.5	1.3	Mdm2	0	1	1.4	1	0	Rrp1	0	1	1.2	0	0	Kdelc2	0	0	1.5	1.5	0
Socs2	1.2	2.2	2.1	1.9	1.3	2610018G03Rik	0	1.4	1.9	2.1	1.8	Pigb	0	1.5	1.3	1.6	0	1110032A03Rik	0	1	1	0	0	Brdt	0	0	1.5	1.5	0
Sdcccag3	1.2	3	3	2.1	1.6	Sfkn4	0	1.5	1.3	1.6	1.2	Cldn10a	0	1.6	1.3	1.2	0	Macc1	0	1.1	1.3	0	0	Lgals3	0	0	1.4	1.4	0
Tshz1	1.5	1.1	1.7	1.7	1.6	Cdc26	0	1.2	1.5	1.3	1.1	Pcdhb7	0	1.1	1.8	1.5	0	Uqcr11	0	1.4	1.5	0	0	2410017P09Rik	0	0	1.1	1.1	0
Gpc3	1.4	2.7	2.6	1.7	1.2	Tgfb1	0	1.6	1.6	1.3	1.3	Fkbp7	0	1.1	1.4	1.3	0	Rfc1	0	1.1	1.2	0	0	Paip2	0	0	2.9	2.7	0
Fam71a1	1.2	2.6	2.9	1.9	1.3	Tmem6	0	1.7	1.5	1.3	1.4	Ptcd1	0	1.2	1.4	1.3	0	Rasip1	0	1.3	1.3	0	0	Mgp	0	0	1.6	1.6	0
Mxsl1	1.7	2	1.9	1.9	1.6	Lmnb1	0	2.1	2	2.1	1.5	2610029G23Rik	0	1.5	1.4	1.2	0	BC027344	0	2.1	1.7	0	0	Prdxdd1	0	0	1.5	1.1	0
Ephb4	1.1	2.9	3.3	2.2	2.1	Fcho2	0	1.9	1.6	2.3	2.9	Ddit4	0	2.1	2.6	1.4	0	D10Wsu102e	0	1.1	1.2	0	0	Gpx7	0	0	1	1.1	0
Zkscan5	1.3	2.2	2.4	1.3	1	1110057K04Rik	0	1.5	1.2	1.4	1	Fmcl	0	1.5	1.8	1.6	0	E130309D02Rik	0	1.1	1.2	0	0	Rgnf	0	0	1.2	1.1	0
Tbx3	1.8	2.1	1.8	1.9	2.1	Zfp825	0	1.7	1.6	1.4	1.3	1700052K11Rik	0	1.3	1.6	1.4	0	Snd1	0	1.4	1.6	0	0	Cadm2	0	0	1.2	1.1	0
Parp8	1.2	1.9	1.4	1.5	1.2	Tmem184c	0	1.1	1.1	1.2	1.4	C99	0	1.8	2.3	1.5	0	Ccdc85b	0	1.6	1.8	0	0	Ccdc109a	0	0	1.2	1.1	0
Lix1	2.1	3.8	2.1	2	2	Eml2	0	1.8	1.9	1.4	1.1	Narf	0	1.4	1.2	1	0	Rasgef1b	0	1.7	1.9	-2	0	Spag7	0	0	1.4	1	0
Smn1	1.9	4.2	4	2.7	1.5	Sntb2	0	1.4	1	1.5	1.2	Artn	0	2.2	2.4	2	0	Atp5l	0	1.2	1.3	0	0	Zfp709	0	0	1.2	1.3	0
Hand2	1.4	2.4	2.7	1.9	1.5	Chd4	0	2.5	2.2	1.6	1.6	Tm9sf4	0	1.1	1.3	1	0	Traip	0	1.1	1.1	0	0	Car12	0	0	1.2	1.5	0
Cxcl14	1.3	3.9	4	2.5	1.6	Cdc23	0	2.8	2.8	2.3	1.5	Taf1c	0	1.1	1.5	1.3	0	Pltp	0	1.3	1.6	0	0	5730455P16Rik	0	0	1.1	1.2	0
Fmn13	1.1	2.3	2.2	1.7	1.5	Exosc10	0	1.5	1.8	1.2	1	Zfp882	0	1.5	1.6	1.5	0	Hsbp1	0	1.2	1.2	0	0	Il17b	0	0	1.2	1.3	0
Prrx1	2.1	2.2	1.6	1.4	1.2	Fam176a	0	1.8	2.5	2.1	1.2	Lig3	0	1.5	1.5	1.3	0	Safb2	0	1.6	1.4	0	0	Cops4	0	0	1	1	0
C13002120Rik	2.9	4	3.8	3.4	3.6	Shroom2	0	1.6	1.6	1.4	1.6	Tie1	0	1.8	1.5	1.4	0	1700106N22Rik	0	1.2	1.1	0	0	Ar15a	0	0	1.1	1.1	0
Shox2	2.2	3.7	2.7	2.2	1.9	9530018H14Rik	0	1.9	2.4	2.3	1.4	Sfrs2ip	0	1.2	1.1	1.1	0	Tommo40	0	1.4	1.7	0	0	111007C09Rik	0	0	1.6	1.3	0
Ifitm2	1.3	3.7	4.3	2.6	1.8	8430426H19Rik	0	3	3	3	2.5	Calml4	0	3.1	1.7	1.6	0	Vps25	0	1.4	1.5	0	0	Zswim7	0	0	1.7	1.4	0
Dusp7	1.5	3.1	3.2	1.8	2	Cdh5	0	1.4	1.5	1.4	1	Gm7444	0	1.6	1.5	1.5	0	Psmid4	0	1.2	1.5	0	0	PHlda2	-1	0	1.6	1.5	0
Nolc1	1.2	3.5	3.3	3.1	2.2	Sep15	0	1.3	1.6	1.2	1.1	Timp3	0	1.3	1.1	1.1	0	Wdr1	0	1.2	1.4	0	0	Gm70	0	0	1.2	1.3	0
Capn6	1.2	3.3	3	2.4	1.7	Mdfl	0	2.5	2.7	2.4	1.5	Rsrc1	0	1.7	1.3	1	0	Puf60	0	1.1	1.2	0	0	Mctsl	0	0	1.1	1.1	0
Kcne3	1.4	2.8	3.1	2.9	2.1	Cacna1h	0	1.2	1.4	1.1	1.1	Med12	0	1.5	1.7	1	0	Dnajc14	0	1.1	1.1	0	0	Cytl1	0	0	1.1	2.6	0
Sema5a	1.6	1.8	1.6	1.2	1.1	Gna12	0	3	2.7	2.2	1.7	Mrp149	0	1.3	1.3	1.2	0	Fbrsl	0	1.5	1.2	0	0	Lum	-2	0	1.6	1.4	0
Sema3a	1.5	1.6	1.4	1.6	1.3	Fvl	0	1.3	1.5	2.5	1	1110059G10Rik	0	1.3	1.3	1.1	0	Tpmt	0	1.5	1.4	0	0	Galnt14	0	0	1.3	1.3	0
						Zdhxc20	0	1.4	1.6	1.4	1.7	Angpt12	0	2.1	2.3	1.8	0	Comt1	0	1.1	1.1	0	0	Creb3l4	0	0	1.1	1.2	0
						Sept10	0	2.7	2.4	2.2	1.4	Ube2c	0	1.6	1.9	1.2	0	Cd59a	0	1.3	1.5	0	0	Tatdn3	0	0	1.1	1.2	0
						Tmsb15b1-Tmsb10	0	1.9	2.3	2.1	1.4	Zfp647	0	1.1	1.1	1.1	0	Fkbp8	0	1.5	1.9	0	0	Eif2c2	0	0	1.3	1.1	0
						Sostdc1	0	1.1	2.5	2	1	Casp8	0	1.7	1.9	1.3	0	Fas	0	1.7	1.5	0	0	Zfp52	0	0	1	1.6	0
						5730437N04Rik	0	1.7	1.9	1.8	1.6	Mtmm2	0	1.3	1.4	1.1	0	Deaf1	0	1.9	1.6	0	0	Pofut1	0	0	1.1	1.3	0
						Rev1	0	1.3	1.3	1.7	1.2	Cdc42bpa	0	1.1	1	1.3	0	Islr	0	1.1	2.2	0	0	Ifitm1	-2	0	2.1	1.7	0
						Mrp115	0	1.9	2.2	1.7	1.3	Qsox1	0	1.1	1.3	1.1	0	Lyp1a1	0	1.2	1.3	0	0	Sav1	0	0	1.3		

Bin1	1.8	1.3	1.4	0	0	Nnt	0	1.4	1.6	1.5	1.3	Sepw1	0	1.7	2.2	1	0	Cbxn1	0	1.7	2.3	0	0	Chrac1	0	0	1.6	1.4	0
Bhlha9	2.6	2.5	1.6	0	0	Atp2c1	0	2.3	2.1	2.3	1.4	Rfxank	0	1	1.1	1.1	0	Mgnr1	0	1.1	1.4	0	0	Flnb	0	0	1.6	1.2	0
Nfil3	1.3	1.7	1.1	0	0	Tnpo2	0	2.2	2.1	1.6	1.3	Smpdl3b	0	1.4	1.5	1.7	0	Rab4b	0	1.1	1.4	0	0	Krt17	0	0	2.8	2.4	0
Tcof1	1.1	1.2	1.4	0	0	Bud31	0	1.8	2	1.5	1.1	Stk4	0	1.5	1.2	1.3	0	Cbx2	0	1.2	1.4	0	0	Kbtbd5	0	0	1	1.2	0
Fbln1	1.3	1.7	1.8	0	0	Ifit4	0	1.1	1.6	1.4	1.2	Acer3	0	1	1.1	1.5	0	Galnt10	0	1	1.2	0	0	O610037L13Rik	0	0	1	1	0
Dlk1	1.7	1.2	1.5	0	0	Rbl2	0	2.1	2.1	1.5	1.1	Abca1	0	1	1	1.2	0	Eif2ak1	0	1.1	1.4	0	0	Scin	0	0	1.2	1.3	0
Kctd15	1.3	1.3	1.2	0	0	Rbm6	0	1.8	1.6	1.5	1.3	Psmd8	0	1.7	1.7	1.3	0	Tspan15	0	1.1	1.1	0	0	Sap18	0	0	1	1.3	0
Aldoa	1.1	1.5	1.5	0	0	Stag1	0	1.5	1.5	1.6	1.6	Ccdc109b	0	3.6	2.7	1.8	-1	Bcas3	0	1.2	1.6	0	0	Chst11	0	0	1.4	1.3	0
Spry4	1	1.7	1	0	0	Prmt1	0	1.8	2.3	2.2	1.3	Dnajc15	0	1.4	1.7	1.6	0	Cenpv	0	1.3	1.2	0	0	Alg11	0	0	1.1	1.3	0
2700081015Rik	1.3	1.6	1.2	0	0	Cdk14	0	2.4	2	2.7	1.5	Ctr9	0	1.6	1.8	1.3	0	Plscr3	0	1	1.2	0	0	8430434A19Rik	0	0	1.6	1.8	0
Igf2	1	2	2	0	0	Syne2	0	2	2	1.7	1.4	Zfp295	0	1.3	1.5	1.3	0	1110008P14Rik	0	1.2	1.5	0	0	Tnk2	0	0	1.1	1.2	0
Man1b1	1.2	1.5	1.6	0	0	Gm9735	0	2.6	2.1	1.9	1.1	Rhoc	0	1.8	2.1	1.5	0	Kat2a	0	1.2	1.3	0	0	Manbal	0	0	1.4	1.3	0
Megf6	1.1	1.4	1.6	0	0	Ppwd1	0	1.9	1.8	1.7	1.1	Gpatch2	0	1.3	1.2	1.1	0	Nrtn	0	1.1	1.6	0	0	Cib2	0	0	1.5	1.3	0
Akt1	1.3	1.2	1.2	0	0	Col2a1	0	1.4	2.5	1.5	1	Ctse	0	1.6	2.9	1.5	-1	Gsc	0	2.9	1.8	0	0	Cdkn3	0	0	1.2	1.1	0
Ascc1	1.4	1.7	1.8	0	0	Selm	0	2.6	2.7	2.1	1.1	Timm8b	0	1.1	1.3	1.2	0	Frg1	0	3.5	4.7	0	0	Esrp1	0	0	1	1.4	0
Arpc4	1.4	2.8	3	0	0	Casc5	0	2.4	1.9	2.5	2.2	Mrip32	0	1.1	1.4	1.6	0	Stk35	0	2.1	1.7	0	0	Tor1aip1	0	0	1.1	1.3	0
Lsm2	1.8	2.7	2.8	0	0	Hoxd13	0	3.2	3.2	2.9	2.8	Chrd1	0	1.2	2	1.9	0	Csnk1d	0	1.1	1.2	0	0	Rps13	0	0	1.4	1.2	0
Capg	1.6	1.4	1.6	0	0	Ptk7	0	3.8	3.7	2.8	2.8	Pdgk1	0	1.5	1.2	1.5	0	Tbcc	0	1.1	1	0	0	Prss35	0	0	1.4	1.5	0
Fgfr1	1.3	1.6	1.5	0	0	Ankhd1	0	1.5	1.7	2	2.1	Akr7a5	0	1.4	1.8	1.3	0	Lnx2	0	1.4	1.1	0	0	Arsj	0	0	1.6	1.6	0
Daam2	2.1	2	1.5	0	0	Zfp62	0	1.8	1.5	1.6	1.7	Arpp19	0	1	1.1	1.1	0	Ube2d1	0	2.5	2.5	0	0	Pqtc3	0	0	1.4	1	0
Hgf	1.5	2.4	1.1	0	0	Xrn2	0	1.6	1.7	1.7	1.7	Spop	0	1.3	1.8	1.1	0	Vasp	0	1.1	1.4	0	0	5730409N16Rik	0	0	1.2	1	0
Nlf5	1.8	1.5	1.2	0	0	Mum11	0	1.1	1.2	1.6	1.7	Anp32a	0	1.9	1.7	1.1	0	Gspt1	0	1	1.1	0	0	Cpa3	0	0	1.6	2.4	0
Ctdsp1	1.3	1.1	1.2	0	0	Srp19	0	1.4	1.6	1.7	1.5	Chtf8	0	1.3	1.4	1.3	0	Ppdpf	0	1.4	1.6	0	0	Enpp1	0	0	1	1.1	0
Ubpap2	1.1	1	1.1	0	0	Polh	0	1.8	1.8	2	1.5	Scv3	0	1.2	1.1	1.2	0	Hsd11b2	0	1.8	1.7	0	0	Adams5	0	0	1.6	1.4	0
Farp2	1.3	1.3	1.1	0	0	Adrbk2	0	2	1.5	2	2.2	Aldh4a1	0	1.4	1.8	1.1	0	Arf5	0	1.4	1.6	0	-2	Myod1	0	0	2.3	1.4	0
Sic44a2	1.3	1.3	1.2	0	0	Gnpat1	0	1.6	1.7	1.8	1.3	A2d1	0	1.3	1.3	1.3	0	Ptms	0	1.7	1.9	0	0	Mrip43	0	0	1.3	1.1	0
Dlg5	1.5	1.2	1.3	0	0	Prpf39	0	1.3	1.1	1.3	2	Fbx19	0	2.7	2.7	1.8	0	Arrb2	0	1.2	1.3	0	0	Apip	0	0	1.1	1.3	0
Mbd3	1.2	1.2	1.3	0	0	Nid2	0	2	2.1	1.9	2.1	Fus	0	1.9	2.1	1.1	0	Ndufa2	0	1	1.4	0	0	Mrps18c	0	0	1.1	1	0
Lhx2	2.3	2.7	2.1	0	0	Zbtb8os	0	1.7	2.1	1.6	1.2	Ugcg	0	1.4	1.1	1	0	Ube2m	0	1.7	2	0	0	Zfp566	0	0	1	1.1	0
Ermid2	1.8	1.8	1.6	0	0	1810014B01Rik	0	1.8	1.8	1.7	1.9	Ciz1	0	1.6	1.8	1.1	0	Zfp142	0	1	1	0	0	Mrs2	0	0	1.1	1.3	0
Pddc1	1.6	2.5	2.1	0	0	Cldn4	0	1.8	1.3	2.1	1.4	Zfp35	0	1.5	1.3	1.4	0	Sic37a3	0	1.2	1.2	0	0	Mettf10	0	0	1.2	1.2	0
Pofut2	1.5	1.8	2	0	0	Zdhhc15	0	1.6	1.8	2	1.4	Mipol1	0	1.4	1.2	1.3	0	Pex5	0	1.5	1.2	0	0	Pph1	0	0	1.2	1.2	0
Mybbp1a	1.1	1.2	1.4	0	0	Fytd1	0	1.9	2	2.4	2.3	Snurf	0	4.8	4.2	3.1	0	Gnb1	0	1.1	1.3	0	0	Ppt1	0	0	1.1	1	0
2310016E02Rik	1.3	1.8	1.8	0	0	Mme	0	2.8	3.6	3.7	3.3	Stat2	0	1.1	1.3	1.2	0	Fam117a	0	1.2	1.9	0	0	Tmem38a	0	0	1	1	0
Ldb1	1.2	1.8	1.9	0	0	Zfp260	0	1.3	1.4	1.3	1.6	Zfp287	0	1.9	1.6	1.8	0	Ring1	0	1.3	1.3	0	0	Tox	0	0	1.6	1	0
Cd276	1.4	2.2	1.9	0	0	Anapc10	0	1.3	1.3	1.8	1.3	Wdr85	0	1.3	1.5	1.1	0	Josd2	0	1.6	2.1	0	0	Lsm3	0	0	1.4	1	0
Apex2	1.1	1.3	1	0	0	Rps15	0	2.3	2.6	1.8	1.3	Anxa6	0	1.5	2.3	1.1	0	BC030867	0	1.3	1	0	0	Uqcrh	0	0	1.1	1	0
Ddx56	1.1	1.3	1.4	0	0	A230046K03Rik	0	1.5	1.2	1.7	1.9	Cab39l	0	1.2	1.5	1.3	0	Cacn3b	0	1.1	1.1	0	0	Dlx5	0	0	2.1	1.3	0
Cog1	1.1	1.3	1.3	0	0	Dis3l	0	1.1	1.3	1.4	1	Robil3	0	1.3	1.1	1.3	0	2310014D11Rik	0	1.2	1.3	0	0	Glrx	-1	0	1.2	1.2	0
Dusp6	1	1.4	1.2	0	0	Scx	0	1.4	1.9	1.7	1.1	Ncapg	0	1.2	1.1	1.5	0	Fam193b	0	1.3	1.4	0	0	Cdh15	0	0	1.3	1.1	0
Mknk2	1.1	1.4	1.4	0	0	Scaper	0	3.7	3.1	3.9	3.8	Lin9	0	1.1	1.2	1.2	0	Mark2	0	1.8	1.6	0	0	U2af1	0	0	1.6	1.1	0
Trp53	2.1	3.2	3.5	0	0	Bzw1	0	1.2	1.4	1.3	1.2	C330006A16Rik	0	1.8	1.6	1	0	9030624J02Rik	0	1.1	1.2	0	0	Lmod3	0	0	1.4	1.5	0
Tcf7	1.1	1.8	1.2	0	0	Otub1	0	3.6	3.6	3	1.9	Cited1	0	1.7	2.1	2.1	0	1500010J02Rik	0	1.1	1	0	0	Hfe2	0	-1	1.5	1.2	0
Atoh8	1.2	1.1	1.7	0	0	Mycl1	0	2.5	2.8	2.2	1	Dcps	0	1.1	1.1	1.1	0	Praf2	0	1.3	1.3	0	0	Lipe	0	0	1	1	0
Khny9	1.2	1.6	1.7	0	0	Gm5595	0	2.3	2	2	1.4	Lgals1	0	2.1	2.2	1.3	0	Dnmt3a	0	1.5	1.1	0	0	2310039H08Rik	0	0	1.1	1.4	0
Med24	1	1.2	1.2	0	0	Ranbp6	0	2.9	2.4	2.6	2.4	Fxyd3	0	1.9	2.1	1.8	0	Dhrs11	0	1.8	1.7	0	-3	Kcne11	0	0	1.9	1.1	0
Traf4	1.1	1.7	1.7	0	0	Raet1a	0	1.6	2.4	1.9	1.7	Plekhhf2	0	1.4	1.6	1.7	0	Rps6kb2	0	1.1	1.2	0	0	P4ha3	0	0	1.7	1.1	0
Tmem109	1.2	1	1.6	0	0	Axl	0	1.7	1.8	1.3	1.6	Alg12	0	1.7	1.4	1.3	0	Lipt2	0	1.1	1.2	0	0	Chst2	1.4	0	1.6	1.5	0
Tmem98	1.4	1.8	1.6	0	0	Senp7	0	1.1	1	1.1	1.3	Zfp558	0	2	2	2.1	0	Hnrmpd	0	1.7	1.9	0	0	Prdm1	1.4	0	1	1	0
Nme4	1.1	1.1	1.2	0	0	Atp5l	0	2.7	3.2	2.8	2.5	Ranbp1	0	1.1	1.1	1.2	0	Gja3	0	1.2	1.5	0	0						
Sars	1	1.3	1.1	0	0	2810030E01Rik	0	1.6	1.5	2.3	1.2	Lrrc68	0	1.9	1.6	1.2	0	Dkc1	0	1.1	1.3	0	0						
Ifrd2	2	2.3	2	0	0	Fut11	0	1.9	1.5	1.9	1.4	Birc5	0	1.5	1.8	1.8	0	Sumf2	0	1.3	1.4	0	0	Ap3m1	0	0	0	1.1	0
Itpkb	1.2	1.4	1	0	0	Uso1	0	1.2	1.2	1.6	1.5	Fam171a2	0	2	2.2	1.7	0	1110007A13Rik	0	1.3	1.2	0	0	Calml3	0	0	0	1	0
Mdk	1.4	1.7	2.2	0	0	Homer1	0	2.4	1.7	2	1.6	Vt11b	0	1.1	1.3	1.2	0	Ssh1	0	1.3	1.4	0	0	Pygo1	0	0	0	1.1	0
Fzr1	1.1	1.8	2.1	0	0	Dyrk1a	0	2.1	1.9	2.1	1.7	Dsg2	0	1.2	1.5	1.6	0	Nedd8	0	1.5	1.5	0	0	Ifit2	0	0	0	1	0
Ctsb	1.3	1.3	1.5	0	0	Mirg	0	1.1	1.5	1.9	3.5	Hmox1	0	1.6	1.6	1.7	0	Pctp	0	1.3	1.3	0	0	Tnnt3	0				

Agpat2	1.1	0	0	0	Ggcx	0	1.6	1.7	1.7	1.4	Cox7a2	0	1.1	1.5	1.3	0	Prps1	0	1.3	1.1	0	0	Atox1	0	1.1	0	1	0	
Cth	1.2	0	0	-2	Hist2h3c1	0	1.3	1.6	1.8	1.2	Chst10	0	1.9	1.7	1.1	0	Pnkf	0	1.1	1.2	0	0	Syce2	0	1.2	0	1	0	
Yrdc	1.2	0	0	0	Gabpr	0	1.5	2.6	2.5	2.5	Zfp58	0	1.6	1.5	1.2	0	Chmp1a	0	1.1	1	0	0	Stat1	0	1.1	0	1.3	0	
BB303372	1.1	0	0	-1	Dpp8	0	1.6	1.5	1.4	1	Trmt112	0	1.4	1.6	1.1	0	Ogfr	0	1.2	1.5	0	0	Ccdc59	0	1.6	0	1.3	0	
Maff	1.1	0	0	0	Kctd12b	0	1.4	1.8	3	3	Rp2h	0	1.5	1.5	1.6	0	Anapc11	0	1.1	1	0	-1	Wdyhv1	0	1.2	0	1.5	0	
Fiz1	1.2	0	0	0	Ntf3	0	1.9	2.1	2	1.4	Bmyc	0	1.8	2.1	1.3	0	Mfaf2	0	1.6	1.7	0	0	Arhgap18	0	1.5	0	1.1	0	
Jmj3d5	1.3	0	0	-1	A530054K11Rik	0	1.9	2	1.5	1.6	Heb1	0	2	2.5	1.7	0	Pgap3	0	1	1.3	0	0	AI956758	0	1.2	0	1	0	
Scn2b	2.7	-2	-1	-2	-1	Rprd1a	0	1.4	1.6	2	1.3	Prr5	0	2	2	1.9	0	Ucp2	0	1.2	1.5	0	-1	281040811Rik	0	1.2	0	1.1	0
Il1rap	1.2	0	0	-1	0	Bloloc1	0	2.2	2.7	1.9	1.3	Limk1	0	1.2	1.6	1.2	0	Fam108a	0	1	1.2	0	0	Fbxo46	0	1.1	0	1.1	0
Trpm1	1.3	0	0	0	0	Id1	0	2.6	3.3	2.9	2.4	Cd97	0	1.5	1.2	1.1	0	Serpinh1	0	1.1	1.5	0	0	Rdh11	0	1	0	1	0
Edar	1.3	0	0	0	0	Tbc1d15	0	1.2	1.4	1.6	1	S730528L13Rik	0	1.6	1.6	1	0	Dysf	0	1.9	1.4	0	0	C1gat1	0	1.5	0	1.2	0
Pr12c2	1.6	0	0	0	0	Z900010J23Rik	0	2	2.2	2.5	2.6	Taf1b	0	1.3	1.2	1.2	0	Plekho1	0	1.2	1.2	0	0	Msp4k5	0	1.2	0	1	0
Zdhhc7	1	0	0	-1	-1	Zfp862	0	1.7	1.9	1.9	1.4	Cdhr4	0	1.3	1.3	1	0	Napa	0	1.1	1.4	0	0	Mapk8ip1	0	1.2	0	1.4	0
Hoxb6	1.8	0	-2	-2	-2	Z810055F11Rik	0	1.9	2.2	1.9	1.1	Mfadp	0	2.2	2.1	1.8	0	Thoc4	0	1.1	1.2	0	0	Xbp1	0	1.2	0	1.6	0
Abcf2	1.1	0	0	0	0	Pcm1	0	2	1.8	1.2	1.2	Rhod	0	1.8	1.8	1.6	0	Tet2	0	1.3	1.4	0	0	Hira	0	1.2	0	1	0
Rspo2	1.9	0	-1	-1	0	Plekha5	0	1	1	1.6	1.3	Polr2j	0	1.2	1.4	1.3	0	Smc2	0	1	1	0	0	Ankrd26	0	1.1	0	1.4	0
Stbd1	1	0	0	0	-1	120001118Rik	0	2.3	2.3	2.5	1.8	1810030007Rik	0	1.1	1.3	1.2	0	Cbx5	0	1.3	1.1	0	0	Chd1	0	1.2	0	1	0
Serpine2	1.1	0	0	0	0	Bbx	0	1.1	1	1.3	1.5	Ppp1r11	0	1.8	1.6	1.4	0	Lmo4	0	1.1	1.2	0	0	Efnas5	0	1	0	1.2	0
Kdm2b	1.2	0	0	0	0	Gas1	0	1.2	1.2	1.1	1.2	Slc17a5	0	1.4	1.7	1.5	0	S100a11	0	2.3	2.7	0	0	Pph1n1	0	1.2	0	1.2	0
Dmd	1.4	0	0	0	0	Cbl	0	3	2.1	2.8	3.4	Crf12	0	1.2	1.4	1.3	0	Vps24	0	1.1	1.1	0	0	270078E11Rik	0	1.3	0	1.1	0
Hoxb5	2.1	0	-3	-4	-3	Dnm1l	0	1.1	1.1	1.3	1.1	Gm10762	0	1.1	1.4	1.3	0	Tcf4	0	1.2	1.4	0	0	P4k2b	0	1	0	1.3	0
Src	1.5	0	0	-2	-2	Clk4	0	1.5	1.3	1.8	2.3	Gps2	0	2.2	2.5	1.4	0	Rab1b	0	1.4	1.7	0	0	Sqrdl	0	1.2	0	1.2	0
Parvb	1.9	0	0	-1	-2	Efcab7	0	2	2.1	2.1	2.1	Tmem9	0	1.8	2.4	1.4	0	Erb2b	0	1.1	1.6	0	0	Sgms1	0	1.2	0	1.2	0
Cygb	1.1	0	0	0	0	Rp137a	0	2.4	2.8	2.2	1.6	Arpc1b	0	1.1	1.4	1.2	0	Cep76	0	1.3	1.2	0	0	Zfp60	0	1.2	0	1.1	0
Bcl7b	1	0	0	0	-1	Hist1h2ae	0	2.7	3.1	2.7	2.7	2010012005Rik	0	1.4	1.6	1.4	0	Mta2	0	1	1	0	0	Hyal1	0	1.2	0	1.3	0
Marcks1	1	0	0	0	0	Sympk	0	1.9	2.6	2.1	1.5	Abcc10	0	1.4	1.4	1.1	0	Cadm4	-1	1.7	2.1	0	0	Rad52	0	1.1	0	1.2	0
Crym	1.4	-2	-1	-1	-1	Epm2aip1	0	1.4	1.3	1.6	1.7	Slc25a17	0	2.1	1.8	1.2	0	Wibg	0	1.3	1.2	0	0	Stag2	0	1.1	0	1.1	0
Ctsk	1.8	0	0	0	-1	Tcfcp2	0	1.4	1.3	1.3	1	Bloloc2	0	1.5	1.6	1.5	0	Atp6v1f	0	1.3	1.6	0	0	Ddx46	0	1.1	0	1.1	0
Unc5b	1.2	0	0	-1	0	Ccdc75	0	1.8	1.5	1.7	1.5	Dwl2	0	1.7	2.2	1.2	0	2510039018Rik	0	1.3	1.5	0	0	Ccdc117	0	1.5	0	1.6	0
Fto	1	0	0	0	0	Eya4	0	2.1	2.1	2.4	2.2	Xpa	0	1.2	1.4	1.2	0	Xpa	0	1.2	1.3	0	0	Uggt2	0	1.1	0	1	0
Plk1	1	0	0	0	0	Rpl17	0	2	2.2	1.7	1.5	Exo1	0	1.3	1.2	1.5	0	Ndor1	0	1.3	1.3	0	0	Aff3	0	1.8	0	1.5	0
Wars	1.2	0	0	0	0	Naa15	0	1.1	1.1	1.1	1.3	Mrpl52	0	1.4	1.6	1.1	0	Bcl11a	0	1.6	1.1	0	0	Usp37	0	1.2	0	1.1	0
Hdac9	1.2	0	0	0	0	Magt1	0	1.8	1.5	2.5	2.2	D10Jhu81e	0	1.8	2.2	2	0	Ccni	0	1.3	1.1	0	0	Rnf6	0	1.1	0	1.3	0
Snord123	1.1	0	0	0	0	Hipk3	0	2.9	3.1	3.6	2.6	Dgkz	0	1.3	1.5	1.4	0	Mpvl712	0	1.7	1.5	0	0	Nr2c1	0	1.1	0	1.3	0
Cdx1	2.2	0	0	0	0	Mrps11	0	1.8	2	1.9	1.5	Pkrkb	0	1.2	1.5	1.3	0	2010317E24Rik	0	1.3	1.5	0	0	Atg16l2	0	1.3	0	1.1	0
Mrps27	1	0	0	0	0	Tbx18	0	2.7	2.5	2.2	2.4	Pcp2	0	1.3	1.4	1.1	0	Tmsb10	0	1.7	2.2	0	0	Cpne3	0	1.2	0	1.1	0
Dlx2	1	0	0	-1	-1	6330416L07Rik	0	1.3	1.2	1.7	1.5	Ssr1	0	1.2	1.3	1	0	Mmp11	0	1.4	1.6	0	0	Irf6	0	1.8	0	1	0
Kt12	1.1	0	0	0	0	BC03267	0	1.5	1.4	1.7	1.3	A430033K04Rik	0	1.5	1.4	1.6	0	Aaas	0	1.3	1.8	0	0	Mier3	0	1	0	1	0
Pqlc1	1	0	0	0	-1	Fbn2	0	1.9	2.1	2.1	2.4	Decr2	0	1.5	1.7	1.1	0	Pkrar1a	0	1.3	1.3	0	0	Ttc37	0	1.4	0	1.9	0
Wbscr16	1.3	0	0	0	-2	Lsm12	0	1.8	1.6	1.4	1.1	Cdk13	0	1.3	1.2	1.2	0	Gpi1	0	1.4	1.4	0	0	Rsc1a1	0	1	0	1	0
Rnf150	1.4	0	0	0	0	Gsta4	0	1.4	1.6	1.4	1	Cldn23	0	1	1.1	1.3	0	4932415G12Rik	0	1.2	1	0	0	Polr3f	0	1.1	0	1.1	0
Echd1	1.2	0	0	0	0	Fam92a	0	1.2	1.5	1.6	1.6	Pfdn4	0	1.5	1.5	1.3	0	Frzb	0	1.8	1.5	0	0	Slc10a7	0	1.1	0	1.5	0
Crispld1	1	0	0	0	0	Szt2	0	1.5	1.6	1.3	1	Cd302	0	1.2	1.6	1.3	0	Elmo3	0	1.1	1.2	0	0	4732471D19Rik	0	1	0	1	0
Adprhl2	1	0	0	0	0	Hddc2	0	2.1	2.6	2.2	2	Stra13	0	2	2.3	1.6	0	Rag1	0	1.1	1.1	0	0						
Mbd6	1.2	0	0	0	0	Aspm	0	1.5	1.1	1.3	1.1	Armc2	0	1.6	1.5	1.1	0	Pcgf2	0	1.8	1.6	0	0						
Tshz3	1	0	0	0	0	Hnrnp1	0	2.7	2.8	1.5	1.7	0610012G03Rik	0	1.1	1.3	1.1	0	Rab31l1	0	1.1	1.1	0	0						
C030046101Rik	1.6	0	0	-2	-2	Crkl	0	1.4	1.3	1.3	1	Clic1	0	1.2	1.4	1.3	0	Dcakd	0	2.2	2.4	0	0						
Jag2	1.5	0	0	0	0	Supt16h	0	3.5	3.4	2.7	1.6	Brd2	0	1.4	1.5	1.1	0	Efs	0	1.2	1.6	0	0						
Tmem115	1.1	0	0	0	0	Rnf25	0	2.3	2.7	2.8	1.8	Smc1a	0	1.4	1.4	1.1	0	Asb13	0	1	1.2	0	0						
Sertad4	1.8	0	0	0	0	Twsg1	0	1.7	1.3	1.2	1.1	Clip2	0	1.5	1.6	1.5	0	Mab21l2	0	3.2	2.5	0	0						
Ctu1	1.1	0	0	0	0	Pus10	0	1.6	1.3	1.2	1.6	Nol9	0	1.2	1.3	1.1	0	Cdkn2d	0	1.3	1	0	0						
Tmem101	1.2	0	0	0	-1	Stk3	0	1.9	2.2	1.6	1.3	Myllp	0	1.3	1.4	1.6	0	Pafah1b3	0	1.2	1.1	0	0						
Atp11b	1.6	0	0	0	0	Gm9751	0	2.5	1.8	1.9	1.3	Clasp2	0	1.6	1.3	1.3	0	Nfix	0	1	2.1	0	0						
Slc35a4	1.3	0	0	0	0	Prnd	0	1.7	2.1	1.2	1.5	Pdap1	0	1.7	2.1	1.7	0	Fam64a	0	1.1	1.3	0	0						
Igfbbp4	1.3	0	0	0	0	Rpl26	0	1.2	1.9	1.3	1.1	Pcdhb17	0	2.1	1.7	1.5	0	Pcyt1a	0	1.3	1	0	0						
Kcnk2	1	0	0	0	0	Tctex1d2	0	2.1	2.2	2	1.8	Rab18	0	1.3	1.5	1.3	0	Gjb2	0	2.3	1.7	0	0						
Sox18	1.2	0	0	0	0	Tubb2a-ps2	0	3.5	4.1	3.8	2.4	Vpreb1	0	1.4	1	1	0	Tmlhe	0	1.2	1.1	0	0						
Cdc42ep4	1	0	0	0	0	Hdac8	0	3.2	2.7	2.7	2.1	Tob1	0	1.2	1.5	1.4	0	Hdac8	0										

Tbx2	1.9	0	0	0	0	Enah	0	1.6	1.4	1.5	1.7	Btbd2	0	0	1.3	0	0	Alad	0	1.1	1.2	0	-1
Ddx18	1.1	0	0	0	0	Zfp81	0	1.7	1.7	1.7	1	Prune	0	0	1	0	0	Arnt	0	1.1	1	0	0
Gxylt2	1.1	0	0	0	0	Naca	0	1.8	2.4	1.5	1.2	Rhobtb1	0	0	1.2	0	0	Dcun1d4	0	1.2	1.2	0	0
Cmtm3	1.3	0	0	0	0	Atic	0	2.6	2.6	2.2	1.6	Rps19	0	0	1.2	0	0	Pld6	0	1.3	1.4	0	0
Selenbp1	1.4	0	0	0	-2	Pttt1	0	2.9	2.9	2.8	2	Kcnmb4	0	0	1.7	0	0	Inpp5e	0	1	1.1	0	0
Perp	1.7	0	0	0	0	Wls	0	2.5	2.2	2.3	2.1	Myoic	0	0	1	0	0	Ppme1	0	1.3	1	0	0
						Pdia3	0	1.3	1.6	1.6	1.9	Fam63a	0	0	1	0	0	Efnb1	0	1.6	1.4	0	0
						Hmgb2	0	1.9	2.3	1.7	1.5	Rpl19	0	0	1.4	0	0	Ube2l	0	1.1	1.2	0	0
						Zfp2	0	3.2	2.8	1.9	1.3	Rps12	0	0	1.4	0	0	Lmbr1l	0	1.2	1.3	0	0
						Six1	0	1.2	1.6	1.1	1.5	Tk2	0	0	1.3	0	0	Hsp90ab1	0	1	1.2	0	0
						P4ha1	0	1.5	1.1	1.7	1.3	Zfp783	0	0	1.1	0	0	Tbc1d13	0	1.5	1.9	0	0
						Pik3r1	0	1.3	1.3	1.6	1.3	Hdac11	0	0	1.1	0	0	Rhog	0	1.3	1.6	0	0
						Pcdhb21	0	2.2	1.6	2	1.1	1810049H13Rik	0	0	1.1	0	0	Men1	0	1	1.3	0	0
						Bclaf1	0	1	1.2	1.2	1.4	Rsrc2	0	0	1.1	0	0	U2af2	0	1.1	1.6	0	0
						Tmed7	0	1.2	1.2	1.4	1	2610528E23Rik	0	0	1	0	0	Jag1	-1	1.2	1.5	0	0
						Osr1	0	4.1	5.3	4.2	3.4	Lrrc61	0	0	1.1	0	0	Efna3	0	1.5	1.2	0	0
						Fgf10p2	0	1.2	1.5	1.2	1.3	Sult5a1	0	0	1.6	0	0	4833420G17Rik	0	1	1.1	0	0
						Fhl3	0	1.2	1.3	1.4	1.7	Ap2a1	0	0	1.1	0	0	Ube2n	0	1.9	1.9	0	0
						Thoc2	0	1.2	1.1	1.6	2.2	Lepre1	0	0	1.3	0	0	Tsc2	0	1.6	1.3	0	0
						Gylh1b	0	1.1	1.7	1.5	1.3	Lamb3	0	0	1.2	0	0	Igsf9	0	1.1	1.8	0	0
						Slc15a2	0	1.9	2	1.4	1.8	Strn4	0	0	1	0	0	Dhps	0	1.4	1.6	0	0
						2810474O19Rik	0	1.7	1.6	1.7	1.4	Rps25	0	0	1.2	0	0	Sirt2	0	1	1.2	0	0
						Epha1	0	1.8	1.7	1.5	1	Btd	0	0	1.1	0	0	Reep5	0	1.3	1.4	0	0
						Gm11968	0	1	2	1.2	1.1	Rps5	0	0	1	0	0	Klf26b	0	1.7	1.5	0	0
						Bax	0	2.5	2.4	1.9	1.1	Smarce1	0	0	1	0	0	4930422N03Rik	0	1.1	1.5	0	0
						Ntan1	0	2	2.1	1.7	1.3	Camk1g	0	0	1.2	0	0	Emg1	0	1.2	1.5	0	0
						Fgf18	0	1.5	3.2	2.5	1.2	Urm1	0	0	1.1	0	0	Btf3l4	0	1	1.1	0	0
						Zfp677	0	1.2	1.3	1.4	1.5	Pir	0	0	1.1	0	0	Sreb2	0	1.5	1.4	0	0
						Rab5c	0	2.8	3	2.8	2.4	Ctdsp2	0	0	1.2	0	0	Arhgdib	0	1.1	1.1	0	0
						Acads	0	2.2	2.2	1.4	1.2	Wdr59	0	0	1.1	0	0	Aldh18a1	0	1.7	1.9	0	0
						BC056474	0	3.8	4	2.1	1.3	Dgcr6	0	0	1.1	0	0	Unc5a4	0	1.2	1.1	0	0
						E130311K13Rik	0	1	1.7	1.5	1.1	Ehd3	0	0	1	0	-1	Atp13a1	0	1.1	1.3	0	0
						Ptbp1	0	3	3.3	2.9	2.7	Rpl10a	0	0	1	0	0	Echs1	0	1.1	1.3	0	0
						Spopl	0	1.1	1.3	1.9	1.4	Rsl24d1	0	0	1.3	0	0	Ahcy	0	1	1.2	0	0
						2010107E04Rik	0	1.7	1.8	1.7	1.2	Hsp90b1	0	0	1.1	0	0	Rftn2	0	1.4	1.2	0	0
						Uqcr10	0	2.5	2.8	2.5	2.1	Gas2l1	0	0	1.1	0	0	Bri3	0	1	1.6	0	0
						Tsen15	0	1.1	1.4	1.6	1.4	Cris1	0	0	1.1	0	0	Aut2	0	1.6	1.2	0	0
						Hist1h2bp	0	2.6	3	2.9	1.8	Rab40c	0	0	1.1	0	0	Ncoa4	0	1.1	1.3	0	0
											Gtbp3	0	0	1.1	0	0	Scpep1	0	1	1.4	0	0	
											Egfl6	0	0	1.6	0	0	Pla2g12a	0	1.8	1.3	0	0	
											3110056O03Rik	0	0	1.2	0	0	Cib1	0	1.5	1.3	0	0	
											Ltbp1	0	0	1.6	1	1.6	Rps4y2	0	2	1.6	0	0	
											Tomm5	0	0	1.2	1.2	1.3	Bal2	0	1.7	0	0	0	
											Foxc1	-2	0	1.3	1.4	1.7	Thap3	0	0	1.3	0	0	
											Ogn	0	0	3.1	2.7	2.1	Rpl11	0	0	1	0	0	
											Arpp21	0	0	1.9	2.1	1.3	Cpt1a	0	0	1.1	0	0	
											2310015B20Rik	0	0	1.9	2	1.7	Elof1	0	0	1.1	0	0	
											2610301B20Rik	0	0	1.1	1.5	1.6	Zfp90	0	0	1.2	0	0	
											Zadh2	0	0	1.3	1.8	1.5	Fbxw5	0	0	1.1	0	0	
											Mylpf	0	0	2.1	2.3	1.5	E4f1	0	0	1.1	0	0	
											Snhg1	0	0	1.6	2.1	1.8	Pcdhb19	0	0	1.1	0	0	
											Gdf5	0	0	3.7	3.1	2.4	Rps27l	0	0	1.3	0	0	
											Cry1	0	0	1.4	1.4	1	Fam195b	0	0	1	0	0	
											Zfp101	0	0	1	1.3	2.3	BC037039	0	0	1	0	0	
											C530028O21Rik	0	0	1.2	1.4	1.1	Txndc9	0	0	1.1	0	0	
											Oflml2b	0	0	1.3	1.2	1	Plvap	0	0	1.1	0	0	
											Epb4.1l3	0	0	1.3	1.3	1.5	Iscu	0	0	1	0	0	
											Emp2	0	0	1.3	1.5	1.1	Trappc9	0	0	1.1	0	0	
											Aspn	0	0	1.2	2.9	1.8	Nhp21l	0	0	1	0	0	
											Ccn1	0	0	1.2	1.3	2.6	2310014H01Rik	0	0	1	0	0	
											Wwp2	0	0	1.8	1.2	1	Adams7	0	0	1.2	0	0	
											Ugp2	0	0	1.1	1.1	1.2	Ccdc104	0	0	1.3	0	0	
											1190002N15Rik	0	0	1.2	1.4	1.3	Fntb	0	0	1.4	0	0	
											Tgfb3	0	0	1.4	1.7	2.3	Ncl	0	0	1.2	0	0	
											Hs6st2	0	0	1.1	1.8	1.7	0610009O20Rik	0	0	1.2	0	0	
											Nox4	0	0	1.3	1.1	1.1	Zranb1	0	0	1	0	0	
											Comm1d1	0	0	1.4	1.4	1.1	Lipa	0	0	1.1	0	0	
											Fam103a1	0	0	1.3	1.2	1.1	Lactb2	0	0	1.1	0	0	
											Mybph	0	0	1.5	1.5	1.3	Dgcr14	0	0	1.1	0	0	
											4930533K18Rik	0	0	1.2	1.6	1.3	Cyb5	0	0	1.1	0	0	
											Tgfb2	0	0	1.3	1.6	1.1	Rnf167	0	0	1.2	0	0	
											Tmtc2	0	0	1.1	1.9	1.7	Col9a3	0	0	2.3	0	0	
											Sncaip	0	0	1.2	1.1	1.1	1110004F10Rik	0	0	1	0	0	
											Usp1l	0	0	1.1	1.3	1	Mapk13	0	0	1	0	0	
											Mafb	0	0	1.3	1.1	1.1	Dusp23	0	0	1	0	0	
											Fndc1	0	0	1.2	2.2	1.3	Rpl27a	0	0	1.3	0	0	
											Arhgef9	0	0	1.2	1.4	1.4	Ckap4	0	0	1.3	0	0	
											Egfr	0	0	1.2	1.3	1.1	Mif	0	0	1.1	0	0	
											Zfml	0	0	1.1	1.2	1.7	Rcvrn	0	0	1	0	0	
											BC016423	0	0	1.4	1.4	1.4	Pias3	0	0	1	0	0	
											Phex	0	0	1.3	2	1.9	Neil1	0	0	1	0	0	
											Kera	0	0	4.3	3.7	3.1	Stt3a	0	0	1	0	0	
											1810035L17Rik	0	0	1.1	1.1	1.2	Hexim2	0	0	1.3	0	0	
											Nog	0	0	1.8	3	1.4	Sesn2	0	0	1	0	0	
											BC002059	0	0	1.3	1.5	1.8	Hmg20b	0	0	1.9			

Anpep	0	0	1.4	1.4	1.1	Gng13	0	0	1	0	0	Nek3	0	1	0	0	0
Sema3d	0	0	1.9	2.1	1.4	Mest	0	0	1	0	0	Pafah1b2	0	1.1	0	0	0
Cluster 8 (77 genes)																	
Lrch3	0	0	0	1	1	Sirpa	0	0	1	0	0	Tes	0	1	0	0	0
Igf1bp5	-1	0	0	2.7	2.9	Iqcb1	0	0	1.1	0	0	Arhgap28	0	1.4	0	0	0
Smyd1	0	0	0	1.5	1.5	Casp3	0	0	1.1	0	0	Capns1	0	1.1	0	0	0
Tmem47	0	0	0	1.4	1.2	Nudt22	0	0	1.1	0	0	Ifi204	0	1.1	0	0	0
Papolg	0	0	0	1.2	1	Tpcn1	0	0	1.1	0	0	Srp72	0	1.2	0	0	0
Gnptab	0	0	0	1	1.2	O610007C21Rik	0	0	1	0	0	Wipi2	0	1	0	0	0
Ccl21b	0	0	0	1.8	1.6	Rab11fp2	0	0	1.1	0	0	Glrb	0	1.1	0	0	0
Serp1nb7	0	0	0	1.4	1.3	Trp53i13	0	0	1.2	0	0	Pcyt1b	0	1.2	0	0	0
Rif1	0	0	0	1.2	1.7	Ube2o	0	0	1	0	-1	Slc29a4	0	1.2	0	0	-1
Hivep2	0	0	0	1.6	1.8	Nr2c2ap	0	0	1.1	0	0	Gfm2	0	1.3	0	0	0
Fam73a	0	0	0	1.1	1.5	Lsm1	0	0	1	0	0	Cul3	0	1.1	0	0	0
Hspb3	0	-1	0	1.4	1.3	Rplp0	0	0	1.2	0	0	Hsd17b12	0	1.2	0	0	0
Gpx8	0	0	0	1.1	1	Nfkbib	0	0	1.1	0	0	Bcl11b	0	1.4	0	0	0
Ctdsp2	0	0	0	1.5	1.4	Hps4	0	0	1.1	0	0	Gm9918	0	1	0	0	0
A430108E01Rik	0	0	0	1.2	2.4	Cwc25	0	0	1.3	0	0	Tyro3	0	1.1	0	0	0
Heatr5a	0	0	0	1.5	1.2	H2afy	0	0	1	0	0	Crhbp	0	1.1	0	0	0
A1503316	0	0	0	1	3.7	Gclm	0	0	1.3	0	0	Shb	0	1.1	0	0	0
Rhoq	0	0	0	1.3	1.1	Smarcd3	0	0	1.2	0	0	Pbx1	0	1.4	0	0	0
Airn	0	0	0	1.1	1.5	Fgf9	0	0	1.1	0	0	Cul5	0	1.1	0	0	0
D4Wsu53e	0	0	0	2	1.6	Prkab1	0	0	1.3	0	0	Nln	0	1.1	0	0	0
B930025B16Rik	0	0	-1	1	2.2	Nop2	0	0	1.2	0	0	Junb	0	1.1	0	0	0
Angpt1	0	0	0	1.2	1	Mrps23	0	0	1.1	0	0	Grk5	0	1.6	0	0	0
Myom2	0	0	0	1.8	2.1	Ctcf1	0	0	1.4	0	0	4930455C21Rik	0	1.4	0	0	0
Ttn	-2	-3	0	2	2.1	1110021L09Rik	0	0	1	0	0	Gm9897	0	1.1	0	0	0
Zfp354c	0	0	0	1.1	1.2	Sap30l	0	0	1.3	0	0	Siltrk6	0	1.3	0	0	0
Evis	0	0	0	1.3	1.1	Pgrmc1	0	0	1.1	0	0	Nckap5l	0	1.1	0	0	0
Igf1	0	0	0	1.2	1.5	Rps18	0	0	1.5	0	0	Lrp12	0	1.1	0	0	0
Hspb2	0	-1	0	1.6	1.3	Timm17a	0	0	1	0	0	Lcp1	0	1.1	0	0	0
Arhgap20	0	0	0	1.3	1	Rfesd	0	0	1.2	0	0	Arid3a	0	1.6	0	0	0
Lepr	0	0	0	1.2	1.9	5430416N02Rik	0	0	1.1	0	0	Cbr2	0	2.8	0	0	0
Slc30a4	0	0	0	1.1	1	Ncf4	0	0	1.6	0	0	Piga	0	1.2	0	0	0
Adam12	0	0	0	1.3	1.3	Sarnp	0	0	1.2	0	0	Mesdc1	0	1	0	0	0
Esy12	0	0	0	1.2	1.1	Avpi1	0	0	1.4	0	0	Sap130	0	1.2	0	0	0
Stac3	0	0	0	1.3	1.2	Mrpl40	0	0	1.1	0	0	Gypa	0	1.2	0	-3	-5
Dnm3os	0	0	0	1.5	4.8	Rad51l1	0	0	1	0	0	Cd40	0	1.4	0	0	0
Flrt2	0	0	0	1.2	2	Sec31a	0	0	1.2	0	0	Ergic2	0	1	0	0	0
5230400M03Rik	0	0	0	1.1	1.8	Sfrp2	0	0	1.7	0	0	Becn1	0	1.2	0	0	0
March7	0	0	0	1	1.4	Ssca1	0	0	1.2	0	0	Npc1	0	1.1	0	0	0
Dgcr8	0	0	0	1.2	1.1	Rplp2	0	0	1.1	0	0	Rab15	0	1.2	0	0	0
Cenpe	0	0	0	1.2	1.1	Cenpb	0	0	1.1	0	0	Mup10	0	1.4	0	0	0
Enpp2	0	0	0	1.2	1.3	Arhgap17	0	0	1.2	0	0	Copp2	0	1	0	0	0
Prr16	0	0	0	1.3	2	Prelid1	0	0	1.1	0	0	Cdkn2aip	0	1	0	0	0
Nt5e	0	0	0	1.4	1.5	Rpl7l1	0	0	1	0	0	Ryr1	0	1.1	0	0	0
2810403A07Rik	0	0	0	1.2	1.7	Nsmce1	0	0	1.4	0	0	Atf7ip2	0	1	0	0	0
Xpo1	0	0	0	1.1	1.3	Tradd	0	0	1.1	0	0	Fam129c	0	1.4	0	0	0
Pcdhb16	0	0	0	1	1.2	Mrpl41	0	0	1.1	0	0	2810019C22Rik	0	1	0	0	0
6430704M03Rik	0	0	0	1.1	1.2	Pdlim2	0	0	1.1	0	0	Ppp2r5b	0	1.1	0	0	0
Pnmal2	0	0	0	2	1.8	Fgfbp1	0	0	1.3	0	0	Phka1	0	1.1	0	0	0
Atrn1	0	0	0	1.1	1.1	Tle3	0	0	1.2	0	0	Arhgap24	0	1.1	0	0	0
Nespas	0	0	0	1.9	2.2	Jdp2	0	0	1.4	0	0	5830417110Rik	0	1.1	0	0	0
Ddx26b	0	0	0	1.2	1.9	Hook2	0	0	1.1	0	0	Ptrf	0	1.1	0	0	0
Tbc1d4	0	0	0	1.1	1.1	Frip2	0	0	1.1	0	0	Gpcpd1	0	1	0	0	0
Igf2r	0	0	0	1.1	1.3	Col8a1	0	0	1.6	0	0	Zic2	0	1.6	0	0	0
Prdm5	0	0	0	1.2	1.6	Gprc5c	0	0	1	0	0	E2f4	0	1.1	0	0	0
Zfp758	0	0	0	1.8	1.1	Gstm7	0	0	1.3	0	0	Mfsd9	0	1	0	0	0
Ppp1r3c	0	0	0	1.9	1.7	Rps14	0	0	1.1	0	0	Asb9	0	1.1	0	0	0
Hip1	0	0	0	1.1	1.4	Npm1	0	0	1	0	0	Cd8b1	0	1.2	0	0	0
Pds5a	0	0	0	2.2	1.9	Sertad1	0	0	1.2	0	0	Lpar1	0	1.2	0	0	0
Far1	0	0	0	1.1	1.5	Hdhd3	0	0	1.1	0	0	Zfp763	0	1.2	0	0	0
Cep192	0	0	0	1.2	1.3	Mrpl17	0	0	1	0	0	Phkg2	0	1	0	0	0
Narg2	0	0	0	1.3	1.4	Phactr2	0	0	1.1	0	0	Zfp418	0	1.1	0	0	0
2700023E23Rik	0	0	0	1.9	2.8	Rpl13a	0	0	1.1	0	0	Tmem2	0	1	0	0	0
Gpr153	0	0	0	1.4	1.1	Rfk	0	0	1.1	0	0	Fchsd2	0	1	0	0	0
Slc4a7	0	0	0	1.8	3	Mxd4	0	0	1	0	0	Arl6ip5	0	1	0	0	0
Smpx	-4	-3	0	1.7	1.5	Psmd9	0	0	1	0	0	4930534B04Rik	0	1.1	0	0	0
A930038C07Rik	0	0	0	1.1	1.3	H1fo	0	0	1.4	0	0	Apoc1	0	1.1	0	0	-1
Taf15	-1	0	0	1.9	2.1	S100a10	0	0	1	0	0	2610002D18Rik	0	1.1	0	0	0
Rpl39l	0	0	0	1.6	1.6	S1pr1	0	0	1	0	0	Pde4dip	0	1.1	0	0	0
5730408K05Rik	0	0	0	1.1	1.2	9430038I01Rik	0	0	1.1	0	0	Vps39	0	1.2	0	0	0
Tmx3	0	0	0	1.4	1.2	Morf4f1	0	0	1	0	0	2410131K14Rik	0	1.1	0	0	0
Gpr64	0	0	0	1.5	1.5	Ttc5	0	0	1	0	0	Ccnt1	0	1.4	0	0	0
Tceal7	0	0	0	1.9	1.4	H3f3a	0	0	1	0	0	Kpna3	0	1	0	0	0
1110059M19Rik	0	0	0	1.9	1.6	Psm7	0	0	1.1	0	0	Fancd2	0	1	0	0	0
Zfp185	0	0	0	1.4	2.1	Cpped1	0	0	1.1	0	0	Bdh1	0	1	0	0	-1
Iqgap1	0	0	0	1.2	1	Tesk1	0	0	1.1	0	0	Mras	0	1	0	0	0
Slc	0	0	0	1.9	2.5	Smo	0	0	1.2	0	0	Zfp68	0	1.1	0	0	0
Matn3	0	0	0	1.9	1.2	2310008H09Rik	0	0	1.2	0	0	Sost	0	1.7	0	0	0
Cluster 9 (200 genes)																	
2210403K04Rik	0	0	0	0	1.1	Adrm1	0	0	1	0	0	A030001D20Rik	0	1.1	0	0	0
6030400A10Rik	0	0	0	0	1.1	Nbl1	0	0	1.5	0	0	1110032A04Rik	0	1.9	0	0	0
4833423F13Rik	0	0	0	0	1.1	Anapc2	0	0	1.1	0	0	Myo10	0	1.3	0	0	0
1110006E14Rik	0	0	0	0	2.8	Zfp637	0	0	1	0	0	Map3k11	0	1.1	0	0	0
Usp28	0	0	0	0	1.1	Slc43a1	0	0	1	0	0	Ube2a	0	1.1	0	0	0
Guf1	0	0	0	0	1.2	Rpl29	0	0	1.3	0	0	Agpat1	0	1.2	0	0	0
Dzip3	0	0	0	0	1.2	Foxp4	0	0	1.1	0	0	Kdm4b	0	1.1	0	0	0
Sdpr	-1	0	0	0	1.2	2700060E02Rik	0	0	1	0	0	Samd14	0	1.2	0	0	0
Sltm	0	0	0	0	1.1	BC002163	0	0	1.1	0	0	Sacm1l	0	1.1	0	0	0
Rhoj	0	0	0	0	1.3	Cited4	0	0	1	-2	-3	1110020G09Rik	0	1.1	0	0	0
Meg3	0	0	-1	0	1.7	Lypd6b	0	0	1.7	0	0	Galnt7	0	1.1	0	0	0
Ppargc1b	0	0	0	0	1.1	Hspb6	0	0	1.3	0	0	Banp	0	1.3	0	0	0
9630010G10Rik	0	0	-2	0	2.3	Slc2a10	0	0	1.2	0	0	Mical2	0	1.1	0	0	-2
Cep110	0	0	0	0	1.1	Lfng	0	0	1	0	0	Silt3	0	1.2	0	0	0
Gas5	0	0	0	0	3.6	Atxn7l3	0	0	1.1	0	0	Hoxd4	0	1.7	0	0	0
D630030B22Rik	0	0	0	0	1.1	Cul9	0	0	1.1	0	0	Lrrc57	0	1.1	0	0	0
Scai	0	0	0	0	1.3	H2-D1	0	0	1	0	0	Gng2	0	1.1	0	0</	

Prdm2	0	0	0	0	1	Tspan18	0	0	1.4	0	0	Nudcd3	0	1.3	0	0	0
2810055G20Rik	0	0	0	0	1.4	Tab2	0	0	1	0	0	Bre	0	1	0	0	0
9530086O07Rik	0	0	0	0	1.6	Ddx24	0	0	1.3	0	0	Obfc2b	0	1.3	0	0	0
Dse	0	0	0	0	1.3	Mettl5	0	0	1.1	0	0	Cbln1	0	1.3	0	0	-2
C230037E05Rik	0	0	0	0	1.7	Al414330	0	0	1.2	0	0	3010026O09Rik	0	1	0	0	0
1700012D14Rik	0	0	-1	0	1	Rpl34	0	0	1	0	0	Msi2	0	1.3	0	0	0
D2ErtD173e	0	0	0	0	2.8	Snx21	0	0	1.2	0	0	Acadl	0	1	0	0	0
Nktr	0	0	0	0	1.4	Psmb1	0	0	1.1	0	0	Slc25a30	0	1.3	0	0	0
9430047G12Rik	0	0	0	0	1.6	Nek6	0	0	1.4	0	0	Sae1	0	1	0	0	0
Chodl	0	-2	-2	0	1.3	Polr2d	0	0	1	0	0	Zfyve26	0	1	0	0	0
Gls	0	0	0	0	1.2	Mrto4	0	0	1	0	0	Dlg4	0	1.1	0	0	0
Ccmt2	0	0	0	0	1.4	Gm10244	0	0	1.3	0	-2	Mxi1	0	1.2	0	0	0
Ptcd3	0	0	0	0	1	Cyb5r3	0	0	1.1	0	-1	Maneal	0	1	0	0	0
D19ErtD409e	0	-2	-2	0	1.4	Nup188	0	0	1.1	0	0	Wdr33	0	1	0	0	0
Luc7i3	0	0	0	0	1	Tcf19	0	0	1.1	0	0	Zbtb45	0	1.2	0	0	0
D5ErtD505e	0	0	0	0	1.1	C1qb	0	0	1.2	0	-1	ULK4	0	1.3	0	0	0
Ttc14	0	0	0	0	2.3	Plec	0	0	1.2	0	0	Sh3d19	0	1.3	0	0	0
C130057M05Rik	-1	-1	-1	0	1.5	Ltbp3	0	0	1	0	0	Txndc16	0	1	0	0	0
Cxcl13	0	-1	0	0	1.7	Palmd	0	0	1.1	0	0	Vrk2	0	1	0	0	0
AA415038	0	0	0	0	1.3	Fbxo17	0	0	1.5	0	0	Clasp1	0	1.2	0	0	0
Rgag4	0	0	0	0	1.1	Rpl38	0	0	1.4	0	0	Dr1	0	1.1	0	0	0
Al428301	0	0	0	0	1.3	Rassf7	0	0	1	0	0	Al464131	0	1.1	0	0	0
Dep1	0	0	0	0	1.3	Exosc4	0	0	1.1	0	0	Senp2	0	1.2	0	0	0
A130004G07Rik	0	0	0	0	1	Itfg3	0	0	1	0	0	Gpx2	0	1.8	0	0	0
Kdm3a	0	0	0	0	1	Wiz	0	0	1.1	0	0						
4632427E13Rik	-1	-2	-3	0	1.6	Rad23a	0	0	1.1	0	-1						
Malat1	0	0	0	0	2.2	Rpl23a	0	0	1.2	0	0						
5830415B17Rik	0	0	0	0	1.1	Mettl1	0	0	1.4	0	0						
C80068	0	0	0	0	1.1	Ndufv2	0	0	1.1	0	0						
D5ErtD798e	0	0	0	0	2.4	Ttc17	0	0	1.2	0	0						
Golga1	0	0	0	0	1	Riok2	0	0	1.1	0	0						
5830458C19Rik	0	-1	-1	0	1.5	Gorasp1	0	0	1.1	0	0						
Scml2	0	0	0	0	1.1	Gatc	0	0	1.1	0	0						
2310067E19Rik	0	0	0	0	2.6	Frmpd1	0	0	1	0	0						
C80142	0	0	0	0	2.1	Nxn12	0	0	1	0	0						
Irx5	0	0	0	0	1	Rpl13	0	0	1.6	0	0						
Chrb1	0	0	0	0	1.2	Rps17	0	0	1.5	0	0						
D030041H20Rik	0	0	0	0	1.3	Calhm2	0	0	1.3	0	0						
Mttr1	0	0	0	0	1.3	Myog	0	0	2.4	0	0						
6720462K09Rik	0	-1	-2	0	1.4	Caps2	0	0	1	0	0						
Al605517	0	0	0	0	1.3	Atp5d	0	0	1	0	0						
BC022960	0	0	0	0	1.2	Ptma	0	0	1.2	0	0						
9930017N22Rik	0	0	0	0	1.7	Armc6	0	0	1.3	0	0						
Irx2	-1	0	0	0	1.2	Gm16517	0	0	1	0	-1						
5830474E16Rik	0	0	0	0	2.3	Supt7l	0	0	1.1	0	0						
Rtl1	0	0	0	0	2.4	Sirt5	0	0	1	0	0						
2610319H10Rik	0	-1	-2	0	1.7	Pdcd5	0	0	1.1	0	0						
BB211804	0	0	0	0	1.3	Atp2a1	0	0	1.3	0	0						
Ebf2	-1	0	0	0	1.1	Rgs19	0	0	1.1	0	0						
Zbed6	0	0	0	0	2.2	Slc25a39	0	0	1.3	0	0						
2610311E24Rik	0	0	0	0	1.8	Fxyd5	0	0	1	0	0						
Top2a	-1	-1	-1	0	1.5	Bbs4	0	0	1.1	0	0						
D130084N16Rik	0	0	0	0	2	Sreb1	0	0	1.2	0	0						
Med13l	0	0	0	0	1.1	Fadd	0	0	1.2	0	0						
Atp11a	0	0	0	0	1	Nenf	0	0	1.2	0	0						
Eif4a2	0	0	0	0	1.1	Ptov1	0	0	1.2	0	0						
6430537K16Rik	0	0	0	0	3.4	Arhgef17	0	0	1	0	0						
2810405F17Rik	0	0	0	0	1.2	Gngt2	0	0	1.1	0	0						
Wsb1	0	0	0	-1	1.1	Rrp7a	0	0	1.1	0	0						
Srrm2	0	0	0	0	1.4	Ddt	0	0	1	0	0						
2410042D21Rik	0	0	0	0	1.1	Lect1	0	0	1.6	0	0						
4930422I07Rik	0	0	0	0	1.1	Mapk8ip3	0	0	1.2	0	0						
5830407P18Rik	0	0	0	0	1.8	Gapdh	0	0	1.1	0	0						
Nfat5	0	0	0	0	1.4	2400001E08Rik	0	0	1	0	0						
Robo2	0	0	-1	0	1.4	Al894139	0	0	1	0	0						
Moxd1	0	0	0	0	1.1	2310016C08Rik	0	0	1.1	0	0						
AU041975	0	0	0	0	1.1	1300018I18Rik	0	0	1.1	0	0						
D330040H18Rik	0	0	0	0	2.2	Spata6	0	0	1.3	0	0						
4930518I15Rik	0	0	0	0	1	Gm7325	0	0	1.8	0	0						
2310003F16Rik	0	0	0	0	2.8	Gadd45gip1	0	0	1.1	0	0						
Gm2590	0	0	-2	0	1.9	Gip1	0	0	1.4	0	0						
PHF201	0	0	0	0	1.1	Clapin1	0	0	1.1	0	0						
Serinc4	0	0	0	0	1	Ppp2r1a	0	0	1.6	0	0						
2610042L04Rik	0	0	0	0	1.4	1500001M20Rik	0	0	1	0	0						
Mli3	0	0	0	0	1.2	Col6a1	0	0	1.4	0	0						
Rbm39	0	0	0	0	2.3	Btg1	0	0	1.1	0	0						
Zim1	0	0	0	0	1.1	Cstb	0	0	1.1	0	0						
Pax7	0	0	0	0	1.3	4933400F03Rik	0	0	1.4	0	0						
Fndc3c1	0	0	0	0	1.5	Zfp13	0	0	1	0	0						
9430076C15Rik	0	0	0	0	1.1	Fasn	0	0	1.1	0	0						
5430406J06Rik	0	0	0	0	1.9	Ephb6	0	0	1.2	0	0						
2810043O03Rik	0	0	0	0	3.6	Hist1h1e	0	0	1.1	0	0						
D5Wsu152e	0	-2	-2	0	1.7	Mrps35	0	0	1.1	0	0						
B230117O15Rik	-1	0	0	0	1.1	Taf9	0	0	1.1	0	0						
Krit1	0	0	0	0	1.3	Rpl23	0	0	1.4	0	0						
Rnf122	0	-1	-1	0	1.4	Creg1	0	0	1.1	0	-1						
E030016H06Rik	0	0	0	0	2.5	Nat15	0	0	1.1	0	0						
Zfp826	0	0	0	0	1.9	Cnbp	0	0	1.1	0	0						
Gm9159	0	0	0	0	1.3	Rpl7	0	0	1.3	0	0						
Gm15241	0	0	0	0	2	Scara3	0	0	1.6	0	0						
Tslp	0	0	0	0	1.2	Mre11a	0	0	1.1	0	0						
C77673	0	0	-1	0	1.6	Glce	0	0	1	0	0						
Msi1ow	0	-2	-2	0	1.8	Ly6c1	0	0	1.8	0	0						
5031426D15Rik	0	0	0	0	1.5	Capn1	0	0	1.1	0	0						
9530029O12Rik	0	0	-2	0	1.6	Mrpl54	0	0	1	0	0						
Egln3	0	0	0	0	1.1	Mtx1	0	0	1	0	0						
Mdm4	0	0	0	0	1.1	Ppia	0	0	1	0	0						
Tpsab1	0	0	0	0	1.1	Man2c1	0	0	1.1	0	0						
Fbn1	0	0	0	0	1.2	Ssu72	0	0	1.2	0	0						
Ythdf3	0	0	0	0	1.3	Sorbs3	0	0	1.3	0	0						
B830007D08Rik	0	-2	-3	0	1.1	Gm5914	0	0	1.2	0	0						
Cox8b	0	0	0	0	1.2	Akap1	0	0	1.1	0	0						
Sobp	0	0	0	0	1.2	Efcab2	0	0	1.1	0	0						
Hmnc1	0	0	0	0	1.3	Ypel3	0	0	1.3	0	0						
Spata1	0	0	0	0	1.2	Comtd1	0	0	1	0	0						
Zmynd11	0	0	0	0	1	Pabpc4	0	0	1.1	0	0						
AU042873	0	-1	-1	0	1.4	H13	0	0	1								

AW549877	0	0	0	0	1.6	Efemp2	0	0	1.2	0	0
Dmtf1	0	0	0	0	1	E430018J23Rik	0	0	1.1	0	0
Jmjd1c	0	0	-1	0	1	Cnn2	0	0	1	0	0
C530014P21Rik	0	0	-2	0	1.9	Pabpc1	0	0	1.1	0	0
Rbm25	0	0	0	0	1.6	Sf3b4	0	0	1.3	0	0
4432414F05Rik	0	0	0	0	1.6	Dapk2	0	0	1.2	0	0
Fbxl3	0	0	0	0	1.2	Vash2	0	0	1	0	0
D130023J23Rik	0	-1	-2	0	1.2	Epb4.1	0	0	1.1	0	0
4932431P20Rik	0	0	0	0	1	Fam162a	0	0	1.1	0	0
6430537I21Rik	0	0	0	0	1.1	Vegfb	0	0	1.3	0	0
Clk1	0	0	0	0	1.3	Dcaf8	0	0	1.1	0	0
Gm7890	0	0	0	0	1.7	Isg20I2	0	0	1.1	0	0
1700094D03Rik	0	0	0	0	1.2	Gpx1	0	0	1	0	-1
Zc3h7a	0	0	0	0	1	Rps29	0	0	1.2	0	0
Zfp788	0	0	0	0	1.2	Gm5577	0	0	1.5	0	0
D530037H12Rik	0	-1	-2	0	1.2	Tmem138	0	0	1.1	0	0
4833414E09Rik	0	0	0	0	1.5	Cttn	0	0	1.1	0	0
A630026N12Rik	0	0	0	0	1.1	Ahsp	0	0	1.1	-2	-4
Zcchc7	0	0	0	0	1.3	Efha1	0	0	1.3	0	0
A630033H20Rik	0	0	0	0	1.3	Ltbp4	0	0	1.6	0	0
Smek2	0	0	0	0	1.1	Il11ra1	0	0	1.2	0	0
6430590A07Rik	0	0	0	0	1.8	Arhgap1	0	0	1.1	0	0
Rbm5	0	0	0	0	1.3	Plcb3	0	0	1.1	0	0
Adamts6	0	0	0	0	1.9	Tcfe3	0	0	1.1	0	0
Itih5	0	0	0	0	1	Dnajc19	0	0	1	0	0
Pvrl3	0	0	0	0	1.4	5730559C18Rik	0	0	1.2	0	0
C130075A20Rik	0	0	-2	0	1.4	Sfrs13b	0	0	1.8	0	0
Fubp1	0	0	0	0	1.4	Tpst2	0	0	1.1	0	0
Al451458	0	0	-1	0	1.4	Cyth1	0	0	1.3	0	0
E330013P04Rik	0	0	0	0	1.8	St8sia6	0	0	1	0	0
Lphn2	0	0	0	0	1	Cttnb1	0	0	1.1	0	0
Boc	0	0	0	0	1.1	Mmab	0	0	1.1	0	0
Rbbp4	0	0	-2	0	2.1	Itfg2	0	0	1.4	0	0
Sfrs18	0	0	0	0	1.8	Dazap1	0	0	1.5	0	0
Zfp760	0	0	0	0	1.2	Chmp6	0	0	1.1	0	0
6720420G18Rik	0	0	-1	0	1.1	Rpl22	0	0	1.3	0	0
Ccnl2	0	0	0	0	1.5	Dullard	0	0	1.2	0	0
Akap9	0	0	0	0	1.2	Tpm1	0	0	1.5	0	0
9630030I15Rik	0	0	0	0	1.7						
9930031P18Rik	0	0	-2	0	1.7						
Scara5	0	0	0	0	1.2						
2610011E03Rik	0	0	0	0	1.4						
Rbm26	0	0	0	0	1.3						
Eif2ak4	0	0	0	0	1						
2700099C18Rik	0	0	0	0	1						
BB046190	0	0	0	0	1.2						
Rnpc3	0	0	0	0	1.1						
AU018552	0	0	0	0	1.1						
Gcfc1	0	0	0	0	1.8						
Zfp280d	0	0	0	0	1.4						
Dock4	0	0	0	0	1.1						
Mpp5	0	0	0	0	1						
Ankrd2	0	0	0	0	1.2						
9430047L24Rik	0	0	0	0	1.8						
Zfp207	0	0	0	0	1						
Smc6	0	0	0	0	1						
Mirhg1	-1	-1	-2	0	2.9						
4732423E21Rik	0	0	-2	0	1.7						
2010111I01Rik	0	0	0	0	1.1						
9430085L16Rik	0	0	0	0	1.2						
Abi3bp	0	0	0	0	1.3						