

Table S7

GENE NAME	Controls FPKM	Crushed FPKM	LOG2(Fold Change)	p-value	q-value
Gm1992	0.558127	0.544469	-0.0357435	0.957902	0.987996
XLOC_000002	0.0502667	0.0858892	0.772872	0.604125	1
Lypla1	17.6392	15.8349	-0.155679	0.137924	0.461744
Atp6v1h_j1	0.106052	0.264255	0	1	1
Atp6v1h_j4	6.45408	9.63924	0	1	1
Oprk1_j1	0.204996	0.109146	-0.909345	0.106346	0.404885
Rb1cc1_j1	0.492955	0.467505	-0.0764767	0.761553	0.917949
Rb1cc1_j3	0.909516	0.89824	-0.0179977	0.960803	0.988902
Rb1cc1_j4	5.03239	5.34458	0.0868331	0.575163	0.828142
Pcmt1	8.70588	5.82132	0	1	1
Pcmt1	1.42118	1.36635	0	1	1
Pcmt1_j4	5.34124	3.85216	0	1	1
Rrs1	7.08529	7.97219	0.17015	0.183275	0.523894
Adhfe1_j2	0.130717	0.0353565	-1.88639	0.301039	1
Sgk3	1.60861	1.30541	0	1	1
Sgk3	0.270825	0.111522	0	1	1
6030422M02Rik_j1	0.174159	0.121386	-0.52081	0.470123	0.768035
6030422M02Rik_j6	0.204422	0.0954998	-1.09798	0.46909	0.767366
Prex2	0.287346	0.316591	0.139832	0.600872	0.841981
A830018L16Rik_j2	2.94628	3.3443	0.182813	0.349599	0.687253
A830018L16Rik_j6	6.17182	5.53846	-0.156211	0.298836	0.645614
A830018L16Rik_j3	0.793702	0.206613	-1.94167	0.0013866	0.0185879
XLOC_000017	0.0842902	0.0668047	-0.335416	0.723214	1
Sulf1	0.378577	0.492729	0	1	1
Sulf1_j4	0.39701	0.879039	0	1	1
AK080352_j1	0.478771	0.170652	-1.48828	5.23E-05	0.0012399
Kcnb2_j2	0.647507	0.621287	-0.0596368	0.804416	0.935166
Kcnb2_j1	0.121025	0.100995	-0.261019	0.65192	1
Terf1_j1	1.74988	1.50735	-0.215238	0.229169	0.576252
Terf1	0.320481	0.363546	0.181898	0.416012	0.733677
Rdh10	1.41933	1.73437	0.289208	0.0360775	0.209687
Tmem70	19.3641	17.9458	-0.109737	0.329755	0.671845
Ly96_j2	0.0720634	0.210821	1.54868	0.40616	0.727665
Ly96	0.890754	0.659127	-0.43447	0.358806	0.694085
XLOC_000028	0.0874868	0.0340957	0	1	1
Gdap1	23.1106	20.2069	0	1	1
Crispld1	0.327659	0.142979	-1.1964	0.0105618	0.0889962
Crispld1_j2	0.756604	0.642019	-0.236922	0.431946	0.74396
Paqr8	1.5233	1.29022	0	1	1
Efhc1	1.15572	1.14813	-0.00950668	0.9661	0.990307
XLOC_000032	0.066711	0.0531488	-0.327887	0.814824	1
Tmem14a	10.2429	7.19624	0	1	1
Tmem14a_j2	4.94492	5.24926	0	1	1

Lmbrd1	8.47003	6.36815	0	1	1
Lmbrd1_j1	0.160272	0.0253275	0	1	1
Gm9884	0.0991393	0.0386423	-1.35928	0.400513	1
AK188812_j1	7.9365	7.39561	-0.101833	0.53805	0.807846
Khdrbs2_j3	0.352038	0.664544	0.916632	0.0393505	0.221621
Khdrbs2	1.05354	1.12943	0.100347	0.720766	0.900079
XLOC_000042	0.220991	0.0860806	-1.36023	0.316621	0.660102
Rab23	0.619713	0.599505	0	1	1
Rab23_j3	1.99442	0.451092	0	1	1
Dst_j11	1.64456	1.34475	0	1	1
Dst_j12	0.26818	0.208633	0	1	1
Imp4	1.85537	1.95977	0	1	1
Imp4_j1	0.954465	1.23624	0	1	1
Fam123c	4.00872	2.59557	0	1	1
Fam123c_j1	1.71454	0.770776	0	1	1
mKIAA1112_j2	2.39063	1.7406	0	1	1
Plekhb2	65.6393	58.4759	-0.166716	0.0556939	0.275839
Hs6st1	16.4785	15.4744	0	1	1
Hs6st1_j3	0.724158	0.106411	0	1	1
Arid5a	1.14986	1.84353	0	1	1
Arid5a	0.0427709	0.189303	0	1	1
Arid5a	0.237484	0.241027	0	1	1
Cnm4	3.14325	2.47766	0	1	1
Cnm3	2.22962	2.03198	-0.133909	0.448837	0.755217
Cox5b_j4	1.69566	1.22273	-0.471742	0.200741	0.544177
Cox5b	8.56391	7.52151	-0.187249	0.322266	0.665214
Vwa3b_j1	0.195484	0.076625	-1.35117	0.173222	0.510867
4921511C04Rik_j1	0.0878708	0.107275	0.28786	0.671439	1
Inpp4a_j3	10.0996	9.31263	0	1	1
Unc50	22.9511	22.734	0	1	1
Unc50	5.65971	5.90783	0	1	1
Lipt1	0.439331	0.392233	0	1	1
Mrpl30	1.88657	2.02366	0	1	1
Mrpl30_j1	1.51024	1.43302	0	1	1
Mrpl30_j2	17.2671	16.3031	0	1	1
XLOC_000063	0.186584	0.185982	0	1	1
Eif5b	3.36855	3.60191	0.0966353	0.398855	0.722631
Nms_j1	0.0818188	0.168905	1.0457	0.370367	0.703609
Pdcl3	16.5646	20.5554	0.311414	0.005685	0.0560441
Npas2_j3	0.0905741	0.154	0.765763	0.283065	1
Rpl31_j8	3.32676	3.98604	0.260842	0.190121	0.531948
D1Bwg0212e	8.15962	8.34412	0.0322591	0.773418	0.923145
Map4k4	1.31622	1.53052	0.217626	0.201965	0.545319
Il1r2_j1	0.0792156	0.098484	0.314106	0.793687	1
Il1r1	0.366993	0.396247	0	1	1
Il1r1_j2	0.534589	0.338032	0	1	1
Il1r1_j3	0.519046	0.68056	0	1	1

Slc9a2	0.148958	0.094189	-0.661277	0.306106	0.651449
Mrps9	19.5047	18.3634	-0.0869841	0.44965	0.755708
Gpr45	1.77789	1.83163	0	1	1
Al597479	1.79135	1.59886	0	1	1
Nck2	0.575064	0.22496	-1.35405	0.0143043	0.111143
1500015O10Rik	0.484914	0.597589	0.301425	0.363149	0.697221
Tpp2	4.05458	3.9492	0	1	1
Tpp2	8.34017	6.82678	0	1	1
Ercc5	2.65589	1.73277	0	1	1
Gulp1	1.72835	1.23486	0	1	1
Col3a1	7.77452	10.4205	0	1	1
Col3a1_j1	4.08996	4.51005	0	1	1
Wdr75	4.6086	4.5087	0	1	1
Dnahc7b_j2	0.261109	0.137742	-0.922679	0.147635	0.476304
Dnahc7b_j4	0.374223	0.158255	-1.24165	0.376496	0.708503
XLOC_000092	0.162867	0.0760767	-1.09817	0.17757	0.516957
Tmeff2_j1	13.2914	12.0889	0	1	1
Tmeff2_j6	0.18758	0.0386713	0	1	1
Stat1_j1	0.479598	0.242687	0	1	1
XLOC_000099	0.149345	0.0697042	-1.09934	0.118152	0.427903
Hibch_j1	9.37004	9.53223	0.0247592	0.8795	0.96152
Hibch	5.38246	5.0193	-0.100781	0.350345	0.687781
Mstn	0.307525	0.565031	0.877628	0.0044308	0.0464215
Ormdl1	6.13174	6.71992	0.132149	0.351916	0.689084
Osgpl1	3.70039	2.76411	-0.420864	0.0308495	0.189256
Coq10b	1.76964	1.98227	0.163698	0.393816	0.719653
Hspe1	0.317189	0.366356	0.207901	0.55121	0.815748
Mobkl3	30.0209	31.8591	0.0857417	0.351036	0.688205
Gm8292	16.6891	23.4074	0.488061	0.0013065	0.0177042
Plcl1	2.02796	1.37515	-0.560444	0.0003572	0.00615
XLOC_000111	21.0043	30.9459	0.559065	0.0115991	0.095653
1700066M21Rik	6.49974	3.92283	0	1	1
1700066M21Rik_j3	2.63979	1.97935	0	1	1
Spats2l_j3	1.51007	0.943743	-0.678145	0.0681868	0.312593
Spats2l_j5	2.24143	1.72022	-0.381827	0.165808	0.502443
Spats2l	1.94608	2.05624	0.0794408	0.759005	0.917041
Sgol2	0.142664	0.29246	1.03561	0.0216013	0.148653
Sgol2_j1	0.465264	0.264596	-0.81426	0.0192018	0.137057
Aox1	6.88904	5.41373	-0.347679	0.0044772	0.046737
Aox1_j1	0.542254	0.281066	-0.948059	0.0302635	0.186814
Aox1_j3	1.66587	2.95247	0.825641	6.81E-05	0.001552
Aox4_j1	2.17035	1.24829	-0.797974	2.77E-05	0.0007211
Bzw1	0.322109	0.501807	0.639586	0.0395674	0.222296
Nif3l1	0.588365	0.389695	0	1	1
Nif3l1_j2	3.08576	3.44237	0	1	1
AK053027_j2	0.107906	0.0783016	-0.462662	0.511958	1
AK053027_j3	0.178267	0.00302111	-5.88282	0.341755	0.681595

Ndufb3	34.1183	29.3537	-0.217005	0.0675137	0.310923
Cflar_j2	0.0950415	0.0125737	-2.91814	0.209123	1
Casp8_j1	0.55693	0.566355	0.0242124	0.953742	0.98654
Stradb	2.32095	2.25975	-0.0385506	0.861469	0.956186
PAPK-A	4.02065	3.97898	-0.0150328	0.931657	0.979265
Cdk15_j1	0.454197	0.518288	0.190434	0.731665	0.905112
Cdk15_j3	0.671854	0.352235	-0.93161	0.127672	0.445344
Cdk15	1.60265	1.70521	0.0894893	0.775899	0.924081
Cdk15_j8	1.32565	1.37615	0.053948	0.884773	0.963475
Nop58	2.85651	3.02642	0.0833578	0.456017	0.759645
Bmpr2_j2	3.24728	2.87433	-0.176006	0.144027	0.471055
Bmpr2	4.10505	3.18397	-0.366574	0.0008667	0.0127466
Fam117b	7.28393	5.84454	0	1	1
Fam117b_j1	0.955064	0.57264	0	1	1
Fam117b_j2	1.57062	2.17402	0	1	1
Carf	0.368444	0.270813	0	1	1
Carf_j1	0.489195	0.457521	0	1	1
Cyp20a1_j1	0.151433	0.128372	-0.238346	0.797779	0.932828
Cyp20a1	6.43205	6.9387	0.109386	0.424478	0.739907
Abi2_j5	0.406835	0.295922	0	1	1
Abi2_j7	0.256787	0.210799	0	1	1
Pard3b_j1	0.113832	0.0863557	-0.398538	0.70648	1
Nrp2	1.62019	2.28672	0	1	1
Nrp2	0.725743	0.633094	0	1	1
Nrp2_j1	1.69679	2.59726	0	1	1
Eef1b2	0.60092	0.55975	0	1	1
Eef1b2_j4	1.433	1.4677	0	1	1
Adam23	49.0857	38.095	0	1	1
Adam23_j1	12.7948	10.3134	0	1	1
Fastkd2	4.17165	3.67229	-0.183938	0.168484	0.505081
Creb1	1.92523	2.3827	0	1	1
Creb1	0.543207	0.502075	0	1	1
Creb1_j3	0.294013	0.117314	0	1	1
Pikfyve_j5	0.188579	0.15808	-0.254519	0.518573	0.796493
Pikfyve_j7	0.874682	0.821052	-0.0912858	0.63397	0.858036
Pikfyve_j11	1.8943	2.5164	0.409691	0.0179342	0.130623
Pth2r_j1	0.119822	0 -1.79769e+308		0.0408962	1
Mtap2_j1	0.576524	0 -1.79769e+308		9.00E-21	2.56E-18
Mtap2_j6	0.327304	0.113786	-1.52431	0.0030156	0.0345595
Unc80_j1	2.82214	1.48174	0	1	1
Rpe	0.728074	0.723152	-0.00978635	0.961818	0.989224
Vwc2l	1.34997	0.90661	-0.574378	0.0092526	0.0808882
Atic	12.1746	11.9814	0	1	1
Atic_j2	10.6154	10.3587	0	1	1
AK044410	0.176221	0.188602	0.0979594	0.863929	0.956651
Tmem169_j1	2.24576	1.72999	0	1	1
Tmem169	3.38666	3.23862	0	1	1

Xrcc5	9.34519	7.95048	-0.233182	0.0646675	0.30233
Xrcc5_j4	2.68496	4.02458	0.583935	0.0495143	0.256816
Smarcal1_j2	0.0825583	0 -1.79769e+308		0.0001344	1
Smarcal1	6.55919	7.95032	0.277494	0.0075572	0.0697845
Igfbp2	2.81598	2.60194	-0.114047	0.627219	0.854539
Igfbp2_j3	3.39797	1.36984	-1.31067	0.0007436	0.0112887
Arpc2	22.8756	29.3555	0.359826	0.0021705	0.026614
Arpc2	83.0415	106.504	0.359002	4.77E-05	0.0011491
Gm216_j1	0.15418	0 -1.79769e+308		0.0100904	0.086081
Gm216_j5	0.0567082	0.00730397	-2.9568	0.437479	1
Gm216_j6	0.158019	0.0731789	-1.1106	0.156779	0.490414
Slc11a1	0	0.485285 1.79769e+308		5.04E-06	0.0001704
Slc11a1_j6	0.168582	0.215004	0.350915	0.613911	0.847685
Slc11a1_j7	0.525086	0.788392	0.586359	0.340277	0.680373
Ctdsp1	4.27978	4.59901	0	1	1
Rqcd1	6.55747	3.68478	0	1	1
Plcd4_j3	2.538	1.49122	0	1	1
Stk36_j1	0.0892871	0 -1.79769e+308		0.0001969	1
Ttll4_j4	1.05826	1.09575	0.0502227	0.818996	0.941335
Cyp27a1_j2	0.301156	0.369445	0.294849	0.524245	0.799783
Cyp27a1_j5	0.261869	0.185474	-0.497628	0.57071	0.826452
Cyp27a1_j6	0.689077	0.845521	0.295177	0.59014	0.836402
Wnt6	4.86628	4.49742	-0.113722	0.489361	0.779561
Fam134a	7.24572	7.13889	-0.0214294	0.848934	0.952186
Zfand2b	1.78015	1.86805	0.069533	0.819739	0.941588
Zfand2b_j1	1.56216	1.43178	-0.125725	0.767219	0.920598
Dnajb2	17.0568	16.4111	-0.0556724	0.641172	0.861609
Des	0.662492	0.820111	0.307915	0.247159	0.594674
Speg_j8	0.049971	0.0463503	-0.108514	0.873543	1
Gmppa_j1	0.424513	0.612378	0	1	1
Gmppa	1.05218	1.91476	0	1	1
Gmppa	7.39472	8.37075	0	1	1
Stk11ip	7.02467	7.86556	0.163118	0.150048	0.479926
Stk11ip	0.546748	0.317437	-0.784405	0.0769156	0.335371
Slc4a3_j6	0.76004	0.883682	0	1	1
Slc4a3_j4	0.146045	0.103056	0	1	1
XLOC_000190	0.0813041	0.0550458	-0.562696	0.596978	1
Mogat1_j3	0.388841	0.140361	-1.47004	0.185744	0.526106
Acsl3	10.5147	9.79523	0	1	1
Acsl3	4.24029	4.39864	0	1	1
Kcne4	0.464884	0.41309	-0.170414	0.638614	0.860184
Mrpl44	12.7969	12.2376	-0.0644757	0.628594	0.855514
9430031J16Rik_j1	0.0710109	0.146265	1.04248	0.0994513	1
Rhbdd1_j1	0.122893	0 -1.79769e+308		0.0004285	1
Col4a3_j1	0.153871	0.0803652	-0.937076	0.175101	0.513344
Mff	14.6126	19.0854	0	1	1
Agfg1_j6	18.3596	20.1728	0.135878	0.214071	0.559387

Gm6374	7.97924	8.49479	0	1	1
BC100303_j2	0.213306	0.072487	-1.55713	0.316401	0.660085
Sp100_j2	0.840749	0.721723	-0.220231	0.471764	0.769131
Sp100_j8	0.171471	0.0873519	-0.973054	0.222325	0.569453
Cab39	13.239	11.6622	0	1	1
Cab39_j1	40.1266	37.4714	0	1	1
Cab39_j3	43.6649	42.9472	0	1	1
Itm2c	129.06	109.86	-0.232376	0.0067442	0.06395
4933407L21Rik	0.204573	0.219464	0.101365	0.868231	0.958254
2810459M11Rik	0.135148	0.078017	-0.79268	0.409624	1
Psm1	22.0592	21.7716	0	1	1
Psm1_j4	0.773636	3.20127	0	1	1
Armc9_j1	0.178377	0.024821	-2.84529	0.052384	0.265773
Armc9_j3	0.115575	0.277873	1.2656	0.025464	0.166421
Armc9	0.515444	0.59195	0.19966	0.437578	0.747793
Armc9_j4	0.0996125	0.041598	-1.25981	0.364141	1
XLOC_000215	0.0968762	0.0539328	-0.84498	0.419778	1
Ptma_j4	0.19828	0 -1.79769e+308	0.0017658	0.0226162	
Ptma	3.66223	2.27836	-0.684726	0.0080327	0.0727691
Cops7b_j3	3.37941	3.0741	0	1	1
Dis3l2	0.700782	0.711883	0	1	1
Dis3l2	1.95589	1.97516	0	1	1
Eif4e2	5.75681	6.71131	0.221324	0.0951343	0.380733
Eif4e2	14.7495	18.0711	0.293017	0.0227353	0.153956
Eif4e2_j5	1.42189	2.57962	0.859346	2.63E-05	0.0006926
Efh1	4.42281	3.94123	-0.166314	0.321763	0.664856
Neu2	0.0992366	0.0735119	-0.432896	0.674034	1
Atg16l1	7.30322	7.26437	0	1	1
Atg16l1	7.37421	7.48779	0	1	1
Dgk1	3.70597	4.22631	0.189549	0.0959963	0.382589
Dgk1_j1	0.645772	0.50607	-0.351687	0.334575	0.675359
Ugt1a6a_j1	3.84537	4.23067	0.137764	0.541885	0.809832
Ugt1a6a	8.85684	7.17682	-0.303447	0.0226296	0.153539
Trpm8_j3	5.04022	3.75434	0	1	1
Trpm8_j1	3.20488	3.05484	0	1	1
Trpm8_j5	0.102328	0	0	1	1
Sh3bp4	3.99318	4.74532	0	1	1
Agap1	1.44625	1.3778	0	1	1
Agap1_j4	0.667831	0.507084	0	1	1
Agap1_j7	0.772771	0.744161	0	1	1
Cxcr7	3.28009	3.22248	-0.0255661	0.879348	0.961511
Cops8	44.0194	43.7052	-0.0103336	0.91006	0.971581
Lrrfip1_j1	3.85056	3.55067	0	1	1
Lrrfip1_j2	2.14398	2.13017	0	1	1
Ramp1	0.581993	0.595421	0.0329068	0.935045	0.980162
Ube2f_j2	0.11364	0.0571763	-0.990982	0.042229	1
Ube2f	1.7984	1.57797	-0.188638	0.22758	0.574755

Scly	6.332	6.48919	0.0353784	0.791691	0.930476
Traf3ip1_j1	0.374093	0.45392	0.279041	0.474422	0.770681
Traf3ip1	2.13721	1.89621	-0.172614	0.341133	0.681074
mKIAA1146	1.25081	0.937325	-0.416241	0.0555676	0.275486
Asb1	1.44938	1.06858	-0.439739	0.0322073	0.194646
Gpc1	26.5332	26.8585	0	1	1
Dusp28	5.43546	5.22089	0	1	1
Rnpepl1	4.02763	3.2039	0	1	1
Capn10_j2	6.05945	4.74013	-0.354258	0.112908	0.418262
Gpr35_j3	0.70019	0.653259	0	1	1
Gpr35	0.522611	0.041206	0	1	1
Sned1_j4	0.749219	0.846096	0.175434	0.440634	0.749739
Sned1_j5	0.35676	1.96709	2.46304	0	0
Ppp1r7_j1	6.58723	9.00944	0	1	1
Ppp1r7	6.5565	2.71728	0	1	1
Ano7_j1	0.572315	2.1668	1.92069	3.47E-13	5.39E-11
Sept2	19.1248	21.1674	0	1	1
Farp2	4.13934	4.13046	0	1	1
Bok	3.75557	3.51565	-0.0952388	0.582741	0.832835
Atg4b	15.7905	13.3306	0	1	1
Atg4b_j3	3.40065	5.18549	0	1	1
Ing5	1.27652	1.45224	0.186055	0.327575	0.670398
D2hgdh_j4	0.584171	0.277744	-1.07264	0.213789	0.558982
D2hgdh_j3	0.483494	0.420561	-0.201181	0.695725	0.887811
D2hgdh_j7	0.506558	0.40727	-0.314743	0.65397	0.86761
D2hgdh_j8	0.775165	0.839038	0.114233	0.803936	0.935008
Fam174a	33.2777	31.9207	-0.0600659	0.552054	0.816165
Gm15427	229.349	260.337	0.182837	0.0365844	0.211473
Gm3555	5.88282	4.7435	-0.310557	0.0520886	0.264868
Cntnap5b_j1	0.145395	0.0471158	-1.62569	0.18285	0.523288
Cdh20	1.21099	0.848505	-0.513194	0.0190751	0.136374
2310035C23Rik	2.74147	2.45233	-0.160796	0.381234	0.711819
2310035C23Rik	3.23656	2.89594	-0.160433	0.353298	0.689807
Tnfrsf11a_j1	0.140698	0.0857865	0	1	1
Tnfrsf11a	0.731904	0.51398	0	1	1
Zcchc2_j4	0.322742	0.320874	-0.00837764	0.982466	0.994652
Zcchc2	0.678295	0.961691	0.50366	0.0387438	0.219343
XLOC_000275	0.143391	0.0643792	-1.15529	0.397035	0.721465
Phlpp1	3.38813	2.78447	-0.283087	0.0339997	0.201897
Serpib5	0.214161	0 -1.79769e+308		3.04E-06	0.0001101
Serpib5_j5	0.0435678	0.0628419	0.528465	0.673296	1
Serpib5_j8	0.107647	0 -1.79769e+308		0.0016033	1
Serpib8	2.84856	2.97925	0.0647175	0.612818	0.847359
Cntnap5a_j1	0.595444	0.290207	-1.03688	9.08E-05	0.0019764
Cntnap5a_j2	0.56846	0.00112165	-8.98529	0.0091855	0.080475
Mki67ip	10.1898	10.8211	0.0867153	0.46328	0.763732
Clasp1_j2	4.90799	4.35101	0	1	1

Clasp1_j5	10.7205	9.44509	0	1	1
En1	0.105362	0.55444	2.39567	1.59E-05	0.0004598
Ccdc93	2.95433	2.76482	0	1	1
Ccdc93	0.296362	0.117228	0	1	1
XLOC_000292	0.245881	0.307198	0.321205	0.213354	0.55853
Slc35f5_j1	2.52948	1.67971	0	1	1
Slc35f5	8.34383	8.63022	0	1	1
Slc35f5_j2	1.1207	2.21867	0	1	1
Gpr39_j1	0.907275	1.05458	0.217059	0.609503	0.846216
Mgat5	0.35193	0.282909	0	1	1
XLOC_000298	0.166411	0.0622735	0	1	1
Ccnt2	3.32952	3.07663	0	1	1
Ccnt2	2.12707	1.59937	0	1	1
Ccnt2_j1	0.0994273	0.038144	0	1	1
Ccnt2_j2	0.549549	1.16856	0	1	1
Rab3gap1	7.6401	9.24653	0	1	1
Rab3gap1_j1	6.57352	4.18215	0	1	1
Rpl28-ps1	235.59	260.319	0.143999	0.104014	0.399912
R3hdm1_j2	7.85453	7.61166	0	1	1
Ubxn4	12.11	12.5614	0	1	1
Ubxn4_j3	8.32533	9.49265	0	1	1
Yod1	1.62686	1.46271	0	1	1
5430435G22Rik_j1	0.193357	0.0834329	-1.21258	0.34488	0.684393
Pm20d1	0.193248	0.13467	-0.521029	0.246602	0.594179
Slc41a1	1.95947	2.04227	0	1	1
Slc41a1_j1	1.09935	0.995633	0	1	1
Slc41a1_j2	2.00978	2.26876	0	1	1
Rab7l1_j1	1.58556	1.84588	0.219312	0.296745	0.643452
Nucks1	10.2099	10.3299	0.0168512	0.863235	0.956634
Nucks1	3.12536	2.9005	-0.107721	0.466673	0.766293
Slc45a3	10.4238	9.45634	-0.140522	0.20042	0.543772
Elk4	0.237456	0.267787	0	1	1
Lemd1	0.0424335	0.205644	2.27687	0.0008905	0.0130503
Lemd1_j2	0.240675	0.0995084	-1.27419	0.0161007	0.120889
Lemd1_j5	0.0975838	0 -1.79769e+308		5.70E-05	1
Klhdc8a	6.03747	5.03182	-0.262863	0.0605293	0.29008
Nuak2	0.169648	0.228339	0.428634	0.40455	0.726779
Dstyj_j2	0.15206	0	0	1	1
Rbbp5_j2	0.284239	0	0	1	1
Rbbp5	2.15118	2.16272	0	1	1
Rbbp5_j1	2.35983	2.41798	0	1	1
Rbbp5_j4	0.356128	0.241509	0	1	1
XLOC_000325	0.177596	0.0841866	-1.07694	0.174998	0.51327
Lrrn2	0.42161	0.290892	0	1	1
XLOC_000326	0.0805971	0.0193114	0	1	1
Pik3c2b	0.17496	0.171927	-0.0252281	0.948873	0.985323
Pik3c2b_j5	0.167514	0.0415077	-2.01283	0.121609	0.434204

XLOC_000328	0.223084	0.157862	-0.498919	0.548624	0.814261
PPP1r15b	0.169076	0.20358	0.267919	0.610742	0.846566
PPP1r15b	4.669	4.76352	0.0289131	0.806749	0.936113
Plekha6_j2	21.3577	16.6062	-0.363039	5.65E-05	0.0013229
Etnk2	0.198329	0.398417	1.00638	0.0257195	0.167616
Etnk2_j2	0.161248	0.130199	-0.308567	0.774775	0.923737
Fmod	0.477118	0.230488	-1.04966	0.0086068	0.0766592
Chit1_j1	0.359274	0.361001	0.00692023	0.989303	0.996615
Chi3l1_j1	0.321148	0.455655	0.504704	0.325519	0.668812
Chi3l1	0.243622	0.116162	-1.06851	0.222383	0.569473
Chi3l1_j3	0.494438	0.385473	-0.359162	0.497066	0.783639
Cyb5r1	22.6519	28.5256	0	1	1
Cyb5r1_j3	3.0364	7.17675	0	1	1
Cyb5r1_j4	33.1832	35.1244	0	1	1
Adipor1	54.3839	55.5414	0.030385	0.728643	0.903788
Adipor1_j4	0.55987	0.594157	0.0857519	0.824411	0.943294
Klhl12	14.1865	13.2397	-0.0996488	0.325681	0.668976
Rabif	16.8894	18.5786	0.137525	0.160446	0.495054
Rabif_j1	0.686933	0 -1.79769e+308		9.79E-12	1.20E-09
Rabif_j2	0.728513	0.519346	-0.48826	0.227026	0.574212
Kdm5b	2.80236	1.6836	0	1	1
Syt2_j1	19.2445	6.82609	0	1	1
Syt2	27.3352	23.5594	0	1	1
Ube2t_j1	0.221576	0 -1.79769e+308		0.007664	0.0705035
Ube2t	0.570635	1.02544	0.845609	0.0211957	0.146549
Arl8a	170.972	190.386	0.155167	0.0711059	0.320588
Csrp1	28.9312	33.894	0	1	1
Phlda3	16.0004	19.9923	0.321338	0.0024283	0.0291734
Tmem9	25.6894	27.2345	0.0842612	0.400024	0.723563
Tmem9	3.8469	4.39292	0.191483	0.350794	0.688102
Kif21b	0.622513	0.341329	0	1	1
Kif21b_j1	0.119465	0.043982	0	1	1
XLOC_000355	0.0859417	0.03461	-1.31217	0.34659	1
Ddx59	1.00294	1.06807	0.0907619	0.70818	0.893746
Zfp281	1.24968	0.340558	0	1	1
Zfp281	1.54324	0.830334	0	1	1
XLOC_000358	0.238229	0.0962779	-1.30707	0.26586	0.614888
XLOC_000358	0.0967037	0.026352	-1.87566	0.474895	1
XLOC_000358	0.472904	0.281875	-0.746492	0.28462	0.633357
Dennd1b_j2	0.123159	0 -1.79769e+308		5.01E-07	1
Dennd1b	1.16252	0.879989	-0.401703	0.0421717	0.23207
Dennd1b_j3	0.0655702	0 -1.79769e+308		0.0002125	1
Zbtb41_j1	0.398711	1.1272	0	1	1
Zbtb41	1.83306	1.84775	0	1	1
Kcnt2_j2	0.446299	0.33545	-0.41191	0.200964	0.544315
Kcnt2_j1	0.138023	0 -1.79769e+308		1.08E-06	4.40E-05
Kcnt2_j9	0.0161777	0.090426	2.48273	0.0601101	1

B3galt2	1.24484	0.61291	-1.02221	1.45E-06	5.70E-05
Glrx2	8.74897	7.38978	-0.243583	0.0361077	0.209813
Uchl5_j4	3.22732	2.59117	0	1	1
Uchl5	5.47277	3.85821	0	1	1
Fam5c	0.478088	0.556622	0.219422	0.526417	0.801041
Fam5c_j2	0.419695	0.0540222	-2.95772	0.0053556	0.0534343
Tpr	9.69463	10.3783	0.0983139	0.288572	0.636306
Ska2l-ps	1.95941	1.78714	-0.132765	0.713383	0.896209
1190005F20Rik	10.5413	11.7998	0.162715	0.149867	0.479608
Fam129a	3.78266	3.56839	0	1	1
Niban_j3	2.75574	3.59171	0	1	1
Edem3_j5	2.06316	1.27143	0	1	1
Glt25d2	7.26417	5.18451	0	1	1
Glt25d2_j2	1.61235	0.190773	0	1	1
XLOC_000377	0.114074	0.0642292	0	1	1
Arpc5	47.6696	53.6428	0.170313	0.0913396	0.371464
Nmnat2	4.81713	4.29134	-0.166746	0.185777	0.526138
mKIAA0479_j1	9.48404	7.8177	-0.278756	0.135091	0.457301
1700012A16Rik_j1	0.201885	0.172073	0	1	1
Rgs8	1.15239	0.60153	0	1	1
Rgs8_j8	0.149511	0.0735705	0	1	1
XLOC_000383	0.0804365	0.0768123	0	1	1
Rgs16	0.770298	0.907607	0.23665	0.337506	0.677992
Rnasel_j8	0.290375	0.136009	0	1	1
Glul	76.1418	86.3672	0	1	1
XLOC_000387	0.117259	0.0555976	-1.07661	0.325843	1
Stx6	8.76029	9.7637	0.156449	0.138462	0.462714
Acbd6	1.84904	1.79662	-0.0414903	0.891678	0.965687
Acbd6	11.1508	11.4801	0.0419894	0.734535	0.906406
Tor1aip2	7.39801	7.35245	0	1	1
Tor1aip2_j1	1.4731	1.37087	0	1	1
Tor1aip2_j2	0.710846	0.0267777	0	1	1
Gm2000	154.127	214.692	0.478151	1.82E-07	9.08E-06
Abl2	2.82655	3.07699	0.122477	0.291245	0.638477
XLOC_000397	0.348871	0.331987	-0.0715685	0.960081	0.988634
2810025M15Rik	6.38804	8.72154	0.449209	0.0019599	0.024602
BC026585_j3	0.371754	0.514852	0.46981	0.374822	0.707307
BC026585	0.719939	0.549451	-0.389884	0.327815	0.670398
Sec16b_j1	0.117982	0.0756598	-0.640974	0.370528	1
Astn1	6.627	5.53449	-0.259906	0.0137263	0.107969
Rfwd2_j1	0.495448	0.0216504	-4.51627	0.143734	0.470722
Rfwd2_j6	0.27886	0.455493	0.707889	0.478082	0.772711
Rfwd2_j10	0.297588	0.280667	-0.0844592	0.835325	0.946983
Rfwd2_j16	0.373289	0.315675	-0.241855	0.407157	0.727764
Tnr_j4	0.122006	0.0448855	-1.44263	0.0202452	1
4930523C07Rik	0.08415	0.0593675	-0.503289	0.643575	1
Mrps14	4.05187	3.40931	0	1	1

Rc3h1	1.69338	1.26631	0	1	1
Gas5_j1	12.5079	18.1671	0.538484	0.0004159	0.0069843
Gas5_j2	38.4243	42.8365	0.156819	0.264244	0.613183
Ankrd45_j1	0.120614	0.022158	0	1	1
Pigc	0.343949	0.27743	-0.310067	0.413917	0.732571
Pigc_j1	10.614	9.91695	-0.0979961	0.492286	0.780929
Vamp4	2.85796	2.88837	0	1	1
Vamp4_j1	23.5615	21.4644	0	1	1
Vamp4_j3	4.08939	4.84318	0	1	1
XLOC_000413	0.101657	0.0574322	0	1	1
Myoc	1.16216	1.75082	0.591228	0.003308	0.0372361
Kifap3_j3	0.52206	0.205439	0	1	1
Kifap3_j2	38.8057	48.3161	0	1	1
Scyl3_j4	0.706897	0	0	1	1
Scyl3_j7	0.800286	1.51928	0	1	1
2810422O20Rik	0.816958	1.07607	0.397432	0.231177	0.578244
2810422O20Rik	0.99237	0.807979	-0.29656	0.386094	0.714381
Slc19a2	5.28019	4.85527	-0.121037	0.371874	0.704825
Slc19a2_j1	0.439571	0	-1.79769e+308	0.0001303	0.0026807
4930455F23Rik	5.66488	5.70768	0	1	1
Gpr161_j1	3.36496	2.77604	0	1	1
Gpr161_j2	1.09947	1.03625	0	1	1
Brp44	16.2855	15.164	-0.102932	0.319935	0.663346
Creg1	8.14951	7.12007	-0.194821	0.130776	0.45023
Ildr2	0.231038	0.410797	0.830295	0.0068597	0.0648184
Ildr2_j3	0.0855668	0.0314292	-1.44494	0.116842	1
Tada1	1.46386	1.56295	0	1	1
Tada1_j1	3.82709	4.26625	0	1	1
Fam78b	2.93963	3.09632	0	1	1
Fam78b	3.66959	4.23112	0	1	1
Tmco1	16.0064	15.1637	-0.0780309	0.497918	0.783786
Aldh9a1	11.3406	11.6783	0	1	1
Aldh9a1_j2	2.91435	3.07452	0	1	1
Rxrg	2.66238	2.4347	0	1	1
Rxrg_j1	1.34287	2.42728	0	1	1
Rxrg_j2	0.700212	0.000340829	0	1	1
Rxrg	0.660241	1.17887	0	1	1
Rgs5	14.2564	10.5232	0	1	1
1700084C01Rik	0.27076	0.157799	-0.77893	0.315647	0.659655
AK014177	0.508588	0.558108	0	1	1
AK014177_j1	0.187156	0.240752	0	1	1
Olfml2b	6.76662	6.916	0.0315018	0.784847	0.927751
1700009P17Rik_j4	0.626548	0.467371	0	1	1
1700009P17Rik_j3	0.146524	0.155618	0	1	1
1700009P17Rik_j1	0.64272	0.329204	0	1	1
Mpz	224.152	283.734	0	1	1
Apoa2_j1	0.33441	0.462767	0	1	1

Adamts4	0.17194	0.0808118	0	1	1
B4galt3	6.30582	6.72096	0.0919835	0.416671	0.733896
Dedd_j3	2.31863	2.35582	0	1	1
Pvrl4	3.17755	3.30237	0	1	1
Pvrl4	4.78293	2.75136	0	1	1
Arhgap30_j2	0.0901766	0.0649553	-0.473305	0.762771	1
Usf1_j1	4.23418	3.63541	0	1	1
F11r	1.42672	1.34717	0	1	1
Refbp2	1.90779	2.03746	0.0948695	0.661664	0.871766
Cd48	0.458145	1.0548	1.20309	0.0009011	0.0131748
Cd84_j3	0.0941959	0.0255264	-1.88368	0.42553	1
Copa	12.0837	10.6075	0	1	1
Copa_j3	0.79696	0.457152	0	1	1
Pex19	28.7721	26.5518	-0.115863	0.200683	0.544177
Dcaf8	10.1088	7.47092	0	1	1
Igsf8	37.1368	38.7562	0.0615784	0.507267	0.789581
Kcnj10	16.9465	16.4431	-0.0435027	0.631137	0.8565
Pigm	3.15917	3.06746	-0.0424995	0.704016	0.891644
Slamf9	4.71E-05	1.21046	14.6488	0.966187	0.990343
Igsf9_j5	0.0681675	0 -1.79769e+308		0.016698	1
Igsf9_j10	0.166873	0.0148084	-3.49426	0.173029	0.510725
Tagln2	82.4092	109.576	0.411053	4.83E-06	0.0001641
Tagln2_j2	100.571	141.741	0.49504	7.21E-07	3.13E-05
Aim2_j1	0.107257	0.112867	0.0735593	0.929742	1
Aim2_j7	0.137403	0 -1.79769e+308		0.0051253	0.051687
Pydc3_j1	0.0809665	0.131077	0.695015	0.336723	1
Fmn2	3.71248	3.09745	-0.261304	0.0319505	0.193718
Sdccag8	2.03679	2.25072	0	1	1
Zfp238	6.95804	7.25489	0	1	1
rp58_j3	11.0816	7.80223	0	1	1
Pppde1	0.684198	0.509007	0	1	1
Pppde1_j3	0.133972	0	0	1	1
Efcab2	0.234614	0.307414	0.389893	0.176106	0.514722
Efcab2_j6	0.306456	0.115546	-1.40721	0.0004602	0.0075993
Kif26b	0.215897	0.131836	0	1	1
Cnst_j1	0.260482	0.175022	-0.573647	0.353932	0.690091
Sccpdh	13.7112	11.1408	-0.299511	0.0193921	0.13799
Sccpdh_j1	24.6565	21.3894	-0.205073	0.106377	0.404974
Cdc42bpa_j2	4.10027	3.08745	0	1	1
Cdc42bpa_j1	5.57047	5.27199	0	1	1
Cdc42bpa_j4	10.3801	10.5574	0	1	1
XLOC_000490	0.168842	0.273973	0.698361	0.526742	0.801217
XLOC_000491	0.0493977	1.25E-05	-11.9457	0.984562	1
XLOC_000491	0.189446	0.218028	0.202725	0.597471	0.840295
Itpkb	1.24418	1.11075	0	1	1
Itpkb_j3	0.410591	0.132116	0	1	1
Itpkb_j7	0.214253	0.0655866	0	1	1

Parp1	21.8075	23.9659	0	1	1
Parp1_j1	0.140283	0	0	1	1
Lin9	0.596903	0.505847	-0.238795	0.434649	0.745749
Lin9_j1	0.180035	0.0650162	-1.46941	0.171819	0.50891
Acbd3	13.4761	12.7342	-0.0816903	0.380902	0.711636
BC031781	4.95145	5.1666	0.0613633	0.630953	0.856499
Pycr2	13.5747	15.0593	0.149728	0.206837	0.551471
Tmem63a	3.71886	3.48917	0	1	1
Cnih4_j1	0.409427	0.25174	-0.70167	0.126867	0.443669
Cnih4	1.84578	1.7649	-0.0646447	0.731467	0.904976
A430110L20Rik	0.175492	0.164577	-0.092648	0.859975	0.955708
XLOC_000503	0.107153	0.0575067	-0.897873	0.303932	1
Cnih3_j2	0.492874	0.570501	0.211012	0.595982	0.839157
Cnih3	0.498696	0.641003	0.362169	0.228492	0.575589
Srp9	3.05319	3.11252	0.0277675	0.886052	0.963781
Srp9_j1	37.6082	36.4487	-0.0451777	0.670703	0.87546
Trp53bp2	2.63006	3.23911	0.3005	0.0303994	0.187368
Susd4_j2	6.3937	5.46478	0	1	1
Susd4_j3	12.1114	8.21086	0	1	1
Tlr5_j2	0.0963625	0.0312716	-1.62362	0.227065	1
Tlr5_j1	0.398599	0.17827	-1.16087	0.0273205	0.174619
Tlr5_j4	0.131729	0.000317747	-8.69548	0.688169	1
Tlr5_j5	0.0632283	0.186018	1.5568	0.0482127	0.252646
XLOC_000512	0.170646	0.106982	-0.673634	0.568623	0.825638
XLOC_000512	0.0892605	0.101076	0.179347	0.908065	1
Dusp10	1.37213	1.26601	-0.116131	0.525941	0.800977
XLOC_000515	0.13981	0.071152	-0.974488	0.429356	0.742659
XLOC_000516	0.217263	0.203706	-0.0929536	0.856917	0.95474
Rab3gap2	4.26121	5.3411	0	1	1
Eprs_j1	0.153581	0.170361	0	1	1
Eprs_j5	11.2964	13.0118	0	1	1
Gpatch2	2.48211	2.34321	-0.0830822	0.580335	0.831506
Esrrg_j2	0.491924	0.333248	0	1	1
Esrrg_j3	3.19984	0.624245	0	1	1
Esrrg	0.136276	0.0815465	0	1	1
Ptpn14_j1	0.10893	0.068524	-0.668718	0.520057	1
Angel2	0.00178692	0.259048	7.1796	0.178627	0.518168
Nsl1	0.488097	0.276271	-0.821085	0.0455353	0.244264
XLOC_000533	0.134399	0.0830302	-0.694817	0.510233	1
Tmem206	1.33786	1.76888	0.402909	0.0010088	0.0144113
Ints7	3.79151	3.31467	-0.193909	0.138275	0.462436
Lpgat1	4.10395	3.14087	0	1	1
Slc30a1	1.0669	1.03	-0.0507882	0.820275	0.941821
Gm10516_j3	0.520239	0.521277	0	1	1
Kcnh1	2.00588	1.3914	0	1	1
Irf6	1.07191	1.11162	0	1	1
A130010J15Rik	0.874831	0.719625	0	1	1

Lamb3_j3	0.198952	0.163559	-0.282609	0.777493	0.924738
Lamb3_j6	0.08581	0.499429	2.54106	0.0004636	0.0076457
XLOC_000548	0.0835863	0 -1.79769e+308		0.0013582	1
XLOC_000548	0.150659	0 -1.79769e+308		1.53E-05	0.0004447
XLOC_000548	0.295561	0 -1.79769e+308		1.76E-10	1.70E-08
Plxna2	3.86201	3.23154	0	1	1
Plxna2_j2	0.345946	0.357672	0	1	1
Cd34	6.12467	4.77786	-0.358266	0.0072005	0.0673334
A330023F24Rik_j9	0.238628	0.0488142	-2.28939	0.0009042	0.0132118
Xkr4_j1	0.470586	0.540702	0.200374	0.331809	0.67329
Sox17	0.236881	0 -1.79769e+308		8.31E-08	4.56E-06
Sox17	0.402948	0.179019	-1.17049	0.120976	0.433073
Sox17_j4	0.443556	0.533806	0.267198	0.438589	0.748203
Mrpl15	9.49943	9.44364	-0.00849904	0.956116	0.987465
Gm6104	8.87145	9.52644	0.102768	0.426435	0.741228
Rgs20	0.427366	0.7668	0.843379	2.44E-05	0.000649
Sntg1	0.209029	0.0801459	-1.383	0.0130788	0.104547
2610203C22Rik_j4	0.0716826	0.0865087	0.271222	0.799552	1
2610203C22Rik_j6	0.169419	0.0514553	-1.71921	0.0868426	0.36018
2610203C22Rik_j5	0.27507	0.213106	-0.368228	0.403957	0.72656
Mybl1_j2	0.420006	0.294829	-0.510528	0.165253	0.501638
Mybl1	0.104379	0.192049	0.879645	0.116964	0.425181
Vcpip1	8.91156	7.84172	-0.184509	0.0457314	0.244776
Snhg6_j1	2.03371	2.24983	0.145701	0.70386	0.891632
Snhg6	5.15975	6.664	0.369087	0.121442	0.433976
Cops5	35.6366	38.2831	0.103348	0.291472	0.638573
Arfgef1_j1	1.49206	0.880735	0	1	1
Slco5a1_j3	0.0623705	0 -1.79769e+308		0.0002377	1
Slco5a1_j5	0.692704	0.400959	-0.788785	0.0032991	0.0371616
Ncoa2_j7	0.424758	0.0511106	0	1	1
Tram1	8.98264	8.28976	0	1	1
Lactb2	1.26288	1.68993	0.420248	0.0017336	0.0222897
Msc	0.330881	0.318142	-0.0566448	0.866626	0.957738
Trpa1	0.172523	0.00273588	-5.97864	0.101465	0.394596
Trpa1_j3	0.0588659	0.234344	1.99313	0.00511	0.0515643
Trpa1_j2	9.01573	9.03509	0.00309548	0.976879	0.993247
Gm106	0.233235	0.291234	0.320397	0.155615	0.488813
AK015384_j2	0.510075	0.299281	-0.769209	0.278572	0.627522
AK015384_j4	0.329674	0.140729	-1.22812	0.245083	0.592494
AK015384_j5	0.241829	0.474698	0.973022	0.204036	0.548279
Stau2	8.40797	8.37263	0	1	1
Stau2	19.9293	14.3855	0	1	1
Tceb1_j1	0.297633	0.272044	-0.129692	0.746721	0.911779
Tceb1	2.25833	2.76127	0.290076	0.0786993	0.340223
Tceb1	2.24723	2.0683	-0.119699	0.498182	0.783887
Jph1_j2	0.267045	0.249976	-0.0952947	0.827192	0.944318
Jph1	0.672052	0.678093	0.01291	0.957926	0.987996

XLOC_000593	0.123477	0.0556792	-1.14904	0.287118	1
Mcm3	0.568661	0.710468	0.321199	0.234531	0.581922
Gm7658	50.7501	51.0213	0.00768888	0.935608	0.980308
Rims1	1.18845	1.15465	0	1	1
Rims1_j2	1.23874	1.17253	0	1	1
Rims1_j1	2.98879	2.08094	0	1	1
mKIAA0340	0.772597	0.149463	-2.36992	0.0416939	0.230393
Rims1_j20	0.191156	0 -1.79769e+308		0.0016699	0.0216068
Rims1_j19	0.0683375	0.0555525	-0.298825	0.8254	1
Rims1_j18	0.262246	0 -1.79769e+308		0.000357	0.0061493
Ogfrl1_j1	2.94852	1.30817	0	1	1
Ogfrl1_j2	11.8103	6.32245	0	1	1
Ogfrl1	25.5945	14.9836	0	1	1
1110058L19Rik	19.5672	19.2315	-0.0249618	0.850917	0.952632
Fam135a_j6	0.517685	0 -1.79769e+308		1.78E-15	3.74E-13
Col19a1_j6	0.131649	0.13642	0.0513615	0.895216	1
Col19a1_j4	0.0885338	0.0257576	-1.78123	0.02872	1
Bai3_j4	2.15601	1.0479	0	1	1
Bai3_j5	1.22176	2.4322	0	1	1
Bai3_j6	0.661899	0.365813	0	1	1
Bai3	1.13363	1.07994	0	1	1
Phf3_j3	0.532817	0.384706	0	1	1
Phf3_j7	0.317632	0.0789939	0	1	1
Phf3_j8	1.63539	1.32613	0	1	1
Prim2	1.63647	1.7462	0.0936342	0.675468	0.877637
Bag2_j1	2.91097	3.43128	0	1	1
Bag2	5.43167	5.67815	0	1	1
Zfp451	3.79204	3.78552	0	1	1
Zfp451	1.69944	1.60723	0	1	1
Gm15455	2.25258	2.5991	0.206437	0.202336	0.545938
Bend6	36.3875	25.4612	0	1	1
Bend6_j3	3.7033	8.83679	0	1	1
Fam168b	35.5992	33.8184	0	1	1
Uggt1_j2	4.46068	4.86319	0	1	1
Uggt1_j3	2.3038	2.62091	0	1	1
Uggt1	3.49329	1.75535	0	1	1
Neurl3_j1	0.212024	0.329367	0.63547	0.233555	0.580806
Neurl3_j3	0.120846	0.146583	0.278555	0.738486	1
4632411B12Rik_j3	2.34508	2.58652	0	1	1
4632411B12Rik_j1	7.14425	6.84349	0	1	1
Lman2l_j3	6.24292	5.53638	-0.173277	0.109894	0.412497
Ankrd23_j4	0.548931	0.509788	-0.106727	0.702885	0.891207
Sema4c_j4	1.00931	0.995893	0	1	1
Sema4c_j9	0.220331	0.152362	0	1	1
Actr1b	79.6792	75.3578	0	1	1
Tmem131_j2	2.50912	2.72994	0	1	1
Tmem131_j3	4.34641	3.96178	0	1	1

Tmem131	5.05071	3.87459	0	1	1
6330578E17Rik	9.06871	7.8116	0	1	1
Mgat4a_j5	2.41237	3.44397	0	1	1
Mgat4a_j6	0.368135	0.155726	0	1	1
Mgat4a_j2	1.28096	0.387587	0	1	1
2010300C02Rik_j4	0.13295	0.0534597	-1.31436	0.117014	1
2010300C02Rik_j6	0.0499068	0.241165	2.27271	0.0010601	0.0149511
2010300C02Rik	0.225751	0.0521554	-2.11385	0.011827	0.0971543
Tsga10_j1	0.510828	0.460233	0	1	1
Tsga10	1.37815	1.08229	0	1	1
Tsga10	0.12207	0.144471	0	1	1
Mitd1	1.32547	1.30373	0	1	1
Mitd1_j1	2.29566	2.22787	0	1	1
Txndc9_j1	0.5015	0.565798	0.174037	0.573614	0.827718
Txndc9	0.400616	0.326083	-0.296979	0.42816	0.742098
Txndc9	2.69623	3.12795	0.214271	0.142404	0.469079
Aff3_j11	6.12743	5.23429	0	1	1
Aff3_j12	0.475125	0	0	1	1
Aff3_j6	2.54628	3.29346	0	1	1
Aff3_j13	0.209983	0	0	1	1
Lonrf2_j1	8.95184	7.91038	0	1	1
Chst10_j5	1.60518	1.45092	0	1	1
Chst10_j6	0.440402	0.552878	0	1	1
Chst10	1.21165	1.07688	0	1	1
Tbc1d8	3.84285	2.44744	-0.6509	1.89E-05	0.0005316
Creg2	1.36855	1.00273	0	1	1
AK041998_j2	0.148042	0.164898	0.155566	0.785602	0.928253
XLOC_000651	0.284447	0.188148	-0.596289	0.183005	0.523488
Mfsd9_j4	0.905886	0.972529	0.102413	0.754591	0.915367
Mfsd9	3.46497	3.28133	-0.0785644	0.615719	0.848504
Tgfbrap1_j1	4.78704	5.38403	0	1	1
Tgfbrap1_j2	0.282589	0.458547	0	1	1
Tgfbrap1	0.34208	0.1515	0	1	1
Fhl2	1.18167	1.4015	0.246136	0.331544	0.673024
Uxs1_j3	15.9474	14	0	1	1
1700029F09Rik_j5	0.473676	0.919005	0.956173	0.078375	0.339388
1700029F09Rik_j1	3.03032	2.71585	-0.158066	0.53071	0.80314
Kdelc1_j1	0.49787	0.321312	0	1	1
Col5a2_j1	1.71589	2.29584	0	1	1
Col5a2_j2	0.298996	0.102466	0	1	1
Col5a2	2.61658	3.38754	0	1	1
Slc40a1	0.556194	0.255727	-1.12099	0.0064593	0.0619105
Slc39a10_j1	1.20327	0.901772	0	1	1
Slc39a10	4.30697	3.34541	0	1	1
Slc39a10_j4	1.76183	1.2481	0	1	1
Nabp1_j1	0.176122	0.230806	0.390107	0.321147	0.664254
Obfc2a	1.16867	0.950455	-0.298176	0.283453	0.631874

Nabp1_j3	0.597031	1.225	1.0369	0.00159	0.0207444
Myo1b	3.51949	3.18181	0	1	1
Gls	4.90926	4.2702	-0.201202	0.0997153	0.390914
Nab1_j1	0.831714	1.0632	0.354248	0.218514	0.564931
Nab1	8.25773	9.17924	0.15263	0.171938	0.509035
Mfsd6_j5	20.0783	26.2551	0	1	1
Mfsd6_j6	6.65347	10.9983	0	1	1
Mfsd6_j2	9.19101	5.05071	0	1	1
Inpp1	0.751724	0.705377	0	1	1
Pms1	0.203453	0.000134833	-10.5593	0.828199	0.944579
Asnsd1	19.2187	20.2273	0.0737953	0.458277	0.760916
XLOC_000678	0.188795	0 -1.79769e+308		6.92E-05	0.0015708
XLOC_000678	0.178175	0.172752	-0.0445916	0.947932	0.98492
AK038423	0.630121	0.736625	0.225301	0.603681	0.843443
AK038423_j1	0.411043	0.15534	-1.40386	0.110621	0.413936
Stk17b	1.25606	1.66974	0.410721	0.024653	0.16278
Hecw2	0.124721	0.0406322	0	1	1
Hecw2_j5	0.12418	0.0523691	0	1	1
Gtf3c3	1.01411	0.735414	-0.463585	0.101796	0.395253
Pgap1	0.936968	0.448238	-1.06374	3.32E-06	0.000119
Ankrd44_j2	0.631238	0.76785	0.28264	0.195138	0.537411
Sf3b1	20.6342	19.4073	0	1	1
Hspd1_j8	0.697799	0.60038	-0.216936	0.467511	0.766717
Rftn2	1.85624	2.037	0.134064	0.409406	0.729755
Kctd18_j1	1.02287	0.821684	-0.315972	0.420174	0.736557
Clk1	10.5816	11.1263	0	1	1
Clk1_j1	2.33523	5.64484	0	1	1
Clk1	1.73803	1.01873	0	1	1
Clk1	1.20115	2.76042	0	1	1
Orc2	6.07945	6.16488	0	1	1
Fam126b_j5	3.06634	1.91136	-0.681919	1.21E-05	0.0003658
Trak2_j3	2.1244	2.38536	0	1	1
Trak2_j4	0.0497751	0	0	1	1
Trak2_j5	1.85719	1.91247	0	1	1
Trak2	5.69271	5.55151	0	1	1
Als2cr4	8.18111	6.01008	0	1	1
Als2cr4_j1	1.63899	0.783697	0	1	1
Mpp4_j2	0.0837559	0.0201961	-2.05211	0.297158	1
Als2	3.42048	3.36835	-0.0221546	0.860695	0.955865
Sumo1_j2	39.8916	37.9613	-0.0715528	0.49951	0.784641
Ica1l_j1	0.119689	0 -1.79769e+308		0.0004939	1
Ica1l	0.559146	0.501631	-0.156598	0.661594	0.871766
Ica1l_j2	0.302163	0.260963	-0.21148	0.667012	0.874037
Ica1l_j3	0.713102	1.12054	0.652016	0.0172448	0.127054
Ica1l	2.04898	1.43245	-0.516422	0.14694	0.475353
Wdr12_j3	0.0720843	0 -1.79769e+308		0.0001174	1
Raph1_j3	1.92095	2.16313	0	1	1

Raph1_j5	2.9341	2.38739	0	1	1
XLOC_000710	0.183123	0.0398137	-2.20148	0.172999	0.510725
Ndufs1	3.378	2.66607	0	1	1
Gpr1_j1	0.110867	0.0893851	-0.31072	0.762497	1
Gpr1	0.245192	0.212888	-0.203815	0.718699	0.89877
Dytn_j1	0.118466	0.106118	-0.158799	0.86081	1
Dytn_j3	0.325583	0.095528	-1.76903	0.0515779	0.263342
Mdh1b_j1	0.114222	0.0365402	-1.64428	0.291064	1
XLOC_000719	0.260544	0.155798	-0.741851	0.317557	0.660869
Klf7_j4	22.4077	28.3435	0	1	1
Klf7	8.48371	7.38343	0	1	1
Fam119a_j2	5.46603	4.99775	-0.129215	0.449182	0.755415
Fam119a	1.21077	1.2547	0.0514153	0.823866	0.943114
AK013046	0.294882	0.315148	0.0958903	0.880253	0.96181
Fzd5	0.159693	0.139024	-0.199972	0.756152	0.915908
Plekhm3_j1	0.85598	0.000288201	0	1	1
Plekhm3_j5	8.19178	8.22895	0	1	1
Plekhm3	6.17577	3.8516	0	1	1
Rpl10a-ps1	182.278	204.979	0.169333	0.0524903	0.26616
D630023F18Rik_j1	0.120167	0.0695972	-0.78794	0.505502	1
D630023F18Rik	0.347644	0.223804	-0.635371	0.348802	0.686741
D630023F18Rik	0.1447	0.245119	0.760422	0.292106	0.638961
ldh1	69.7197	68.4802	-0.0258801	0.768185	0.921044
Acadl	63.2026	63.3201	0.0026796	0.976003	0.993119
Lancl1	31.6759	30.882	-0.0366212	0.675379	0.877609
Bard1_j6	0.100656	0.132569	0.397308	0.590838	1
Mreg_j1	0.322975	0.0864465	-1.90154	0.0470281	0.248626
Mreg	2.50638	2.75696	0.137473	0.434546	0.745651
Pecr	4.12633	3.63557	-0.182676	0.340796	0.680712
March4	3.92962	4.48332	0.190175	0.107687	0.407901
Igfbp5	10.3228	11.2901	0.129225	0.168903	0.505733
Tns1_j8	0.762618	0.391552	0	1	1
Tns1_j9	0.0855708	0	0	1	1
Tns1_j2	11.2361	6.05324	0	1	1
Aamp_j4	0.455702	0.519943	0.190263	0.723256	0.90144
Tmbim1_j3	0.376376	0.31141	-0.273356	0.414876	0.73288
Tmbim1_j4	1.09948	1.15596	0.0722696	0.68596	0.882925
Usp37_j4	1.32117	0.37634	0	1	1
Rnf25_j2	0.34914	0.476168	0	1	1
Cryba2	3.27427	6.31229	0.946993	4.91E-08	2.90E-06
1810031K17Rik	14.0933	16.4577	0.223746	0.0511087	0.261939
Abcb6	2.26896	2.73921	0.271725	0.0571271	0.280055
Atg9a_j4	0.394158	0.0784233	0	1	1
Glb1l_j2	1.80993	1.85776	0	1	1
Glb1l_j3	0.153523	0.128541	0	1	1
Ptprn_j6	26.0029	39.6767	0	1	1
Ptprn_j7	0.456834	0.0457484	0	1	1

Resp18	64.2198	59.2726	-0.115653	0.238726	0.585819
Dnpep	12.2773	11.984	0	1	1
Dnpep	5.35585	4.67555	0	1	1
Obsl1_j2	7.01714	6.36355	0	1	1
Obsl1_j5	2.41682	2.88615	0	1	1
Obsl1_j6	0.953306	1.18181	0	1	1
Obsl1	3.44455	3.27737	-0.0717786	0.527666	0.801757
Epha4	0.13223	0.057413	-1.2036	0.0848907	1
XLOC_000763	1.12546	0.977144	-0.203877	0.699507	0.889401
Farsb	35.7376	39.5604	0.146614	0.118528	0.428543
Scg2_j1	31.9394	28.0591	0	1	1
Ap1s3_j1	0.224464	0.18936	-0.245354	0.701829	0.890467
Wdfy1_j4	1.90561	1.67462	0	1	1
Serpine2	35.0954	31.9238	-0.13665	0.15132	0.482411
Cul3	3.29985	2.86938	0	1	1
Dock10_j1	0.913562	0.770402	0	1	1
Dock10_j2	1.53011	0.799969	0	1	1
Irs1_j1	0.779959	0.665937	-0.228013	0.322815	0.665895
Irs1	0.510544	0.437227	-0.223653	0.36656	0.700205
Slc19a3	0.0387123	0.0784285	1.01858	0.381975	1
Sphkap_j2	3.44942	2.5457	0	1	1
Pid1	3.94855	3.89528	-0.0195964	0.901657	0.968734
Dner	32.7063	29.396	-0.153948	0.084109	0.353872
Trip12_j12	2.49406	2.29425	0	1	1
Trip12_j13	1.24656	0.502545	0	1	1
Sp110_j3	0.0899135	0 -1.79769e+308		0.0880248	1
Sp110_j5	0.0954071	0.0682123	-0.484064	0.739475	1
A630001G21Rik_j1	0.114219	0.063376	-0.84979	0.447491	1
A630001G21Rik_j2	0.0898287	0.095695	0.0912666	0.921469	1
Ncl_j3	34.4717	37.8376	0.134408	0.149358	0.478596
Ncl	14.3391	15.9806	0.156368	0.143746	0.470722
Nmur1_j1	0.12055	0.00463917	-4.69962	0.253317	1
Nmur1_j3	0.439929	0.572214	0.379285	0.27293	0.621826
Nmur1_j2	0.22623	0.00210168	-6.7501	0.358056	0.693676
Pde6d	13.7543	13.655	0	1	1
Gm6136	148.673	170.893	0	1	1
Ecel1_j1	0.651313	2.34769	1.84982	0	0
Ecel1_j12	1.25235	3.65398	1.54483	1.24E-07	6.51E-06
Ecel1_j13	0.141301	0.395997	1.48672	0.0129347	0.103684
Ngef	1.59939	1.56028	-0.0357175	0.8645	0.956914
Usp40_j1	1.52696	1.95865	0.359192	0.0499385	0.258191
Usp40_j3	0.635441	0.361449	-0.813966	0.0079531	0.0722495
Hjurp	1.92849	1.66277	-0.21388	0.153474	0.486035
Arl4c	12.781	14.7086	0.20266	0.0338829	0.201499
Col6a3_j6	0.261495	0.335585	0.359898	0.234758	0.582023
Col6a3_j5	0.0615936	3.82E-05	-10.654	0.845283	1
Ilkap	15.1561	16.9067	0.157701	0.190706	0.533048

Hes6	5.23524	5.23096	-0.0011802	0.994456	0.998387
Per2_j8	0.0625986	0.0608478	-0.040927	0.959281	1
Hdac4_j2	0.00191832	0.170386	0	1	1
Hdac4_j6	1.71349	1.42984	0	1	1
Hdac4_j7	0.194892	0	0	1	1
Ndufa10	66.6571	65.1929	-0.0320439	0.718175	0.898553
Myeov2	15.8605	17.8106	0.167298	0.329073	0.671442
Myeov2	21.9745	24.4933	0.156555	0.244891	0.592357
XLOC_000808	0.13977	0.121143	-0.206341	0.840101	0.949331
Kif1a_j11	6.01938	17.0241	0	1	1
Kif1a_j14	9.17051	0.0786846	0	1	1
Kif1a_j13	1.05729	0.06794	0	1	1
Mterfd2	3.79461	4.17732	0.138626	0.24482	0.592355
Hdlbp	13.5332	16.3059	0	1	1
Hdlbp	23.0346	17.5462	0	1	1
Stk25_j5	2.0478	1.42817	0	1	1
Stk25_j4	1.13803	0.987658	0	1	1
Thap4_j1	3.80788	4.41099	0.212118	0.457925	0.760721
Thap4	6.68904	6.87377	0.0393041	0.769828	0.921491
Dtymk_j1	6.66037	6.5257	-0.0294681	0.903196	0.969087
Dtymk_j2	0.244247	0 -1.79769e+308		0.0045366	0.0471951
St8sia4	0.397626	0.340728	-0.222792	0.499835	0.784832
Slco6c1_j1	0.122291	0.0376402	-1.69997	0.175824	1
D1Ert622e	2.77308	2.43231	0	1	1
D1Ert622e	8.70388	7.13138	0	1	1
Pam	0.734883	0.304355	0	1	1
Pign_j4	0.908604	0.676198	-0.426205	0.142207	0.46882
Pign_j6	0.0688136	0.140906	1.03397	0.0873225	1
Pign_j5	0.119786	0 -1.79769e+308		5.32E-06	1
Pign	0.458861	0.350341	-0.389296	0.19862	0.541835
Bcl2	0.408775	0 -1.79769e+308		8.19E-17	2.10E-14
Kdsr	6.31075	6.66068	0.0778564	0.474229	0.770598
Vps4b	0.152316	0.155742	0.0320867	0.955782	0.987317
Cdh19_j1	0.674132	1.11266	0.722915	0.0007606	0.0114998
Cdh19_j3	0.0546014	0.0625085	0.195114	0.785541	1
XLOC_000841	0.196266	0.0751734	-1.38452	0.36602	0.699964
XLOC_000842	0.120341	0.0325102	-1.88817	0.369556	1
AK043174_j1	0.183067	0.0460918	-1.98979	0.306366	0.651661
Tsn_j2	0.0912175	1.59078	0	1	1
Tsn	14.3766	14.2921	0	1	1
Inhbb	2.07571	2.57006	0	1	1
Ralb_j2	0.43372	0.648738	0	1	1
Epb4.115_j4	0.913531	0.643378	-0.505788	0.062495	0.295796
Epb4.115_j5	0.0816213	0.0135807	-2.58739	0.0403348	1
Epb4.115	0.0709292	0.0310255	-1.19293	0.208213	1
Epb4.115_j1	0.0824554	0 -1.79769e+308		0.0301112	1
Ptpn4_j7	0.99682	0.855412	0	1	1

XLOC_000851	0.148434	0.141259	-0.0714811	0.924155	0.976334
Tmem177	3.39624	3.04168	-0.159072	0.305009	0.65013
Tmem37	1.02224	0.920128	-0.151828	0.64743	0.864108
Dbi	86.6643	98.0242	0.177701	0.0672593	0.310074
Steap3_j1	15.0205	19.2527	0.358124	0.0003512	0.006069
Insig2	1.3635	1.82523	0	1	1
XLOC_000856	0.200501	0.180991	-0.14769	0.802903	0.934497
XLOC_000856	0.216615	0.258776	0.256571	0.67016	0.875218
XLOC_000856	0.0890339	0 -1.79769e+308		0.0242417	1
Htr5b	1.68305	1.34723	-0.321086	0.168061	0.504739
Ddx18_j2	0.763839	0.780972	0.0320028	0.918917	0.974671
Ddx18_j1	0.157171	0.10983	-0.517056	0.452335	0.757478
Ddx18_j3	0.15191	0.134631	-0.1742	0.827861	0.944579
Ddx18_j5	0.589917	0.590558	0.00156798	0.997539	0.999228
Ddx18_j6	0.176432	0.0281726	-2.64675	0.193812	0.536058
Ddx18_j13	0.246895	0.216427	-0.190023	0.886941	0.964085
Ddx18_j14	1.71771	1.58104	-0.11961	0.857317	0.954789
Dpp10_j2	0.678238	0.519911	0	1	1
Dpp10_j3	1.15102	0.704916	0	1	1
Lypd1	0.529768	0.534259	0.0121795	0.957539	0.987909
Lypd1_j1	1.42668	1.3898	-0.0377865	0.909692	0.971495
Tmem163	0.241661	0.13841	0	1	1
Zranb3_j6	0.0969794	0 -1.79769e+308		0.000518	1
Zranb3	0.404604	0.324319	-0.319097	0.355972	0.691825
Mcm6	1.58625	2.23413	0	1	1
Dars	23.2749	24.6031	0.080065	0.396365	0.721081
Cxcr4	9.58788	8.38925	-0.192671	0.158905	0.49339
Cxcr4	1.5793	1.52592	-0.0496116	0.873752	0.959888
Gm15790	4.48381	5.00334	0.158166	0.328129	0.670687
Cd55_j3	0.0594124	0 -1.79769e+308		0.0576903	1
Cd55_j5	0.421086	0.513754	0.286964	0.234116	0.581507
Cd55_j7	19.1631	15.4044	-0.314992	0.0050878	0.0513834
Mapkapk2	11.2227	13.1034	0.223528	0.0436519	0.237428
Dyrk3_j2	1.43383	1.27788	-0.166126	0.572446	0.827134
Dyrk3	1.39896	1.43347	0.0351546	0.893404	0.966325
Rassf5_j3	0.680366	0.292552	0	1	1
Srgap2_j2	2.1944	2.24639	0	1	1
Srgap2_j3	0.600387	0.142891	0	1	1
Srgap2_j5	0.680833	0.558654	0	1	1
Mfsd4_j1	0.160152	0.224888	0.489765	0.194788	0.537206
Cdk18	1.77028	2.40479	0.441931	0.0077146	0.0708087
Tmcc2	11.9285	12.8891	0	1	1
Cntn2_j1	11.5067	14.9072	0	1	1
Cntn2_j4	17.0319	13.9483	0	1	1
Nfasc_j6	11.6734	11.247	0	1	1
Nfasc	9.17534	6.90784	0	1	1
Mdm4_j1	0.483846	0.23244	0	1	1

Mdm4_j6	1.28368	0.850008	0	1	1
Mdm4_j7	0.488435	0.566666	0	1	1
Sox13_j7	0.389308	0	0	1	1
Sox13_j3	0.242498	0.172119	0	1	1
Sox13	1.55377	1.22853	0	1	1
Snrpe_j1	0.741881	1.26144	0.765806	0.255133	0.6036
Snrpe	3.53437	3.78062	0.0971673	0.688164	0.884104
Zc3h11a_j4	11.2762	12.3471	0.130894	0.233054	0.580324
Zc3h11a_j5	0.568796	0.516564	-0.138964	0.587505	0.835056
Zc3h11a_j6	0.325092	0 -1.79769e+308		1.43E-10	1.41E-08
Zc3h11a	2.45397	1.96025	-0.324081	0.0818988	0.348667
Atp2b4_j8	3.32072	4.31069	0	1	1
Atp2b4_j5	3.84509	4.69917	0	1	1
Prelp	1.50913	1.73877	0.204349	0.25259	0.600518
Btg2	3.04321	5.38807	0.824177	7.42E-09	5.28E-07
Adora1	9.37803	6.24235	0	1	1
Adora1	1.55168	0.655395	0	1	1
Ppfia4_j4	9.89272	7.5463	0	1	1
Ppp1r12b	3.72214	3.23034	0	1	1
Gpr37l1	39.6886	40.8964	0.0432503	0.633712	0.857901
Rnpep_j1	1.34084	2.68326	1.00085	0.006829	0.0645822
Rnpep	3.97683	5.3955	0.440138	0.0055109	0.0546483
Timm17a	7.70753	6.64763	-0.213428	0.0265057	0.17114
Shisa4_j5	2.19747	5.53552	0	1	1
Shisa4	0.116203	0	0	1	1
Ipo9	3.90238	2.84356	0	1	1
Nav1_j2	6.69733	4.66422	0	1	1
Nav1_j9	0.0725335	0.102028	0	1	1
Nav1_j10	0.514554	0.410341	0	1	1
Camsap1l1_j1	8.05479	9.43789	0	1	1
Camsap1l1_j2	6.52034	5.14632	0	1	1
Nek7	40.4919	25.6979	0	1	1
2310009B15Rik	2.3529	1.75006	-0.427039	0.278724	0.627544
2310009B15Rik	4.08453	4.87999	0.256708	0.288161	0.636106
Cfh	0.948892	1.71622	0	1	1
Cdc73	3.40917	3.24687	-0.0703693	0.504883	0.787934
Trove2	5.44159	4.95254	0	1	1
Rgs2	5.80477	5.23826	-0.148152	0.292714	0.639709
BC003331	22.5411	21.0338	-0.0998448	0.287163	0.635532
Hmcn1_j2	0.627346	0.529758	-0.243929	0.626394	0.854124
Hmcn1_j4	0.149171	0 -1.79769e+308		3.74E-10	3.37E-08
1200016B10Rik_j1	1.36533	1.90927	0.483772	0.100768	0.393107
1200016B10Rik	1.72129	1.67005	-0.043598	0.797379	0.932636
Rnf2	2.82833	2.68464	-0.075225	0.666678	0.873788
Tsen15_j3	7.83773	8.36346	0.0936634	0.574717	0.828142
Tsen15_j2	4.18644	2.62659	-0.672535	0.009427	0.0820157
Rgl1_j4	2.02513	1.25488	0	1	1

Smg7_j2	2.52267	0.30543	0	1	1
Smg7	3.04314	4.80159	0	1	1
Lamc2_j2	0.14089	0.0265928	-2.40546	0.0752737	0.331168
Lamc2_j7	0.168649	0.0936862	-0.848118	0.2699	0.619031
Lamc1	2.64992	2.66976	0	1	1
Dhx9_j2	19.3227	20.1418	0	1	1
Npl	1.9548	1.73801	-0.169578	0.478888	0.773346
Cacna1e_j9	0.0967263	0.0210838	-2.19777	0.367372	1
Cacna1e_j10	0.138755	0.138426	-0.00342497	0.99477	0.998479
Ier5	1.57364	3.01932	0.940116	1.81E-09	1.46E-07
Mr1	0.652015	0.439127	-0.570266	0.146925	0.475353
Mr1	0.37858	0.191551	-0.982868	0.0850626	0.356009
BC034090_j3	0.0717262	0 -1.79769e+308		0.0034631	1
BC034090_j4	0.195268	0.139556	-0.484618	0.350954	0.688199
BC034090_j6	0.415726	0.375979	-0.144982	0.650797	0.86597
Xpr1_j1	3.40422	3.91401	0	1	1
Xpr1_j2	0.701405	0.86251	0	1	1
Xpr1	2.54711	2.00706	0	1	1
Qsox1	13.3094	13.7741	0.0495153	0.624517	0.853373
Cep350_j5	0.177435	0.0843611	0	1	1
Cep350_j2	0.107376	0.0380515	0	1	1
Lap1B_j1	4.45458	5.02624	0.174189	0.197134	0.53985
Fam163a_j2	0.463961	0.303399	-0.612789	0.124152	0.439098
Tdrd5_j1	0.172803	0.148889	-0.214887	0.799249	0.933125
Tdrd5_j2	0.122321	0.0517772	-1.24029	0.249795	1
Tdrd5_j3	0.145268	0.114934	-0.337912	0.639432	0.860505
Fam20b_j3	2.07395	0.966398	0	1	1
Fam20b	4.8043	3.90659	0	1	1
Fam20b	6.43084	4.82364	0	1	1
Ralgps2_j4	0.21502	0	0	1	1
Ralgps2	5.14557	5.25872	0	1	1
Rasal2_j6	0.497585	0.145945	-1.76952	4.12E-06	0.0001428
Rasal2_j7	0.366582	0.358763	-0.0311055	0.914713	0.973381
Rasal2_j8	1.32383	0.774963	-0.772523	7.26E-05	0.0016349
XLOC_000970	0.161329	0.101093	-0.674321	0.544393	0.8114
Fam5b_j3	3.31705	2.83644	0	1	1
Fam5b_j4	0.481712	0.711158	0	1	1
Fam5b	5.44685	4.16543	0	1	1
Pappa2_j1	0.458764	1.70234	0	1	1
Pappa2	0.195794	0.199444	0	1	1
Cacybp_j2	9.34654	11.2558	0	1	1
Cacybp	29.0348	27.347	0	1	1
Rabgap1l	5.63561	6.32293	0.166022	0.147873	0.476536
Dars2_j1	0.284873	0.116023	0	1	1
Dars2	3.0703	2.86305	0	1	1
Klhl20	13.0988	11.0812	-0.241317	0.0170419	0.125976
Prdx6_j1	19.3322	25.6172	0	1	1

Prdx6_j2	2.68838	2.54905	0	1	1
Prdx6	44.6945	50.7578	0	1	1
AK181631_j2	3.76115	0.199108	-4.23955	6.68E-08	3.82E-06
Al848100_j5	0.432837	0.129568	0	1	1
Al848100_j7	1.20313	1.57679	0	1	1
Dnm3	20.5873	14.4681	0	1	1
Mettl13	2.1927	1.97482	0	1	1
Prrc2c_j5	0.573551	0.297493	0	1	1
Prrc2c_j10	3.33675	3.02388	0	1	1
Fmo4_j4	0.242474	0.115099	-1.07495	0.100027	0.391628
Fmo4_j6	0.213442	0.0996927	-1.09828	0.120956	0.433073
Fmo1_j6	1.90891	2.54387	0	1	1
Gorab	0.461913	0.462378	0	1	1
Gorab	0.812983	1.45955	0	1	1
Blzf1_j2	1.25658	1.13234	0	1	1
Blzf1_j1	1.29418	1.23511	0	1	1
Blzf1	4.62791	3.99165	0	1	1
Atp1b1_j4	1.14031	0	0	1	1
Atp1b1	55.6551	45.8277	0	1	1
Xcl1	0.163514	0.0793983	-1.04223	0.194974	0.537285
Sft2d2	3.4056	3.30542	-0.0430772	0.741551	0.909332
Tipr1_j1	5.75403	3.78611	0	1	1
Tipr1_j2	2.1876	1.9018	0	1	1
Tipr1	10.0244	10.7774	0	1	1
Dcaf6	1.71818	2.04494	0.251179	0.20235	0.545946
Mpzl1	4.06575	3.28682	0	1	1
Mpzl1	3.62315	3.78268	0	1	1
Rcsd1	2.71493	1.00187	-1.43822	7.28E-09	5.21E-07
Dusp27_j2	0.173117	0.268053	0.630773	0.166129	0.502787
Dusp27	0.24083	0.200915	-0.261429	0.573255	0.827482
Pogk	0.276098	0.1985	0	1	1
XLOC_001011	0.134007	0.102503	-0.386647	0.679165	1
Uck2_j3	7.03691	9.58569	0	1	1
Uck2	6.94711	7.4711	0	1	1
Mgst3	61.0091	48.6514	-0.326544	0.0025717	0.0304978
Pbx1_j2	0.62249	0.00708424	0	1	1
Pbx1_j3	0.923708	1.12582	0	1	1
Pbx1	2.19903	1.98653	0	1	1
Rgs4_j4	10.3568	6.43362	0	1	1
Rgs4	66.9816	55.471	0	1	1
Hsd17b7	7.53544	12.925	0	1	1
Ddr2_j4	0.513801	0.715071	0	1	1
Uap1_j1	0.190265	0	0	1	1
Uap1	9.4514	10.1548	0	1	1
Uhmk1_j1	71.6218	83.466	0	1	1
Uhmk1	12.6695	10.7754	0	1	1
Gm7694	0.436582	0.518453	0.24796	0.201414	0.544837

Atf6	3.83815	3.48478	0	1	1
Dusp12	2.75008	2.73317	-0.00889596	0.961237	0.988989
Dusp12_j1	1.54549	1.56078	0.0142077	0.953445	0.986504
Fcgr2b	0.76531	2.55652	1.74007	4.44E-16	1.02E-13
Fcgr3	2.88663	6.30431	1.12695	9.73E-11	9.92E-09
Sdhc	49.458	48.1404	0	1	1
Pcp4l1_j3	0.339176	0.154529	0	1	1
Pcp4l1	71.8068	56.9339	0	1	1
Tomm40l	3.05702	3.29088	0	1	1
Ndufs2	55.6891	51.028	0	1	1
Ppox_j6	0.180943	0.154047	-0.232163	0.563368	0.822542
Ppox_j5	0.149132	0.120168	-0.311532	0.458595	0.761199
Ppox_j4	0.0680375	0	-1.79769e+308	3.08E-05	1
Usp21_j1	1.71435	2.56799	0.582979	0.0043264	0.0455597
Usp21_j2	1.95633	1.58335	-0.305169	0.181234	0.521107
Nit1	2.45397	2.76015	0	1	1
Klhdc9	1.0524	0.848125	0	1	1
Ly9	0.332292	0.267566	-0.312557	0.489324	0.779561
Vangl2	0.458672	0.42476	-0.110818	0.676005	0.878079
Ncstn_j1	19.1063	20.9004	0	1	1
Pea15a	2.60868	2.76703	0	1	1
Atp1a2	34.5279	28.4277	0	1	1
Kcnj9	0.174342	0.107057	-0.703548	0.275528	0.624571
Kcnj9	0.283655	0.167541	-0.759625	0.116008	0.423934
Dusp23	2.50963	2.56979	0.0341716	0.862696	0.956546
Cadm3	0.533667	2.34222	0	1	1
Cadm3_j4	4.8462	2.5197	0	1	1
Grem2_j1	0.762653	0.589896	-0.370566	0.246683	0.594226
Grem2	1.00462	1.50296	0.581157	0.0052703	0.0527159
Rgs7_j1	14.156	13.2079	0	1	1
Rgs7	1.69972	1.27092	0	1	1
Fh1	27.6577	26.4321	-0.0653921	0.482338	0.775514
Opn3	3.04668	2.75198	-0.146763	0.469465	0.767555
Opn3_j2	1.92844	1.39572	-0.466427	0.0067177	0.0637604
Pld5_j4	0.145426	0.644056	0	1	1
Pld5_j5	0.221992	0.218168	0	1	1
Cep170_j1	5.1158	5.35877	0	1	1
Cep170_j16	0.991059	0.697314	0	1	1
Cep170_j15	2.24213	2.48284	0	1	1
Akt3_j2	0.653306	0.608092	0	1	1
Adss	31.3444	29.0553	-0.109409	0.246416	0.594119
Hnrnpu_j1	0.928703	0.826932	-0.167447	0.344763	0.684371
Smyd3_j3	0.347866	0.455787	0.389826	0.213612	0.558821
Smyd3_j5	0.835342	0.463177	-0.850804	0.0021357	0.0262899
Smyd3_j10	0.207024	0.232822	0.169431	0.76083	0.91764
Tfb2m_j1	0.166574	0.0624555	-1.41526	0.0388937	0.219934
Ahctf1	1.26112	1.41106	0.16207	0.310468	0.655211

Psen2	13.665	12.0501	0	1	1
H3f3a_j1	1.12414	1.01064	-0.153561	0.325425	0.668675
Ephx1_j3	0.352342	0.251694	0	1	1
Ephx1	26.0824	22.5903	0	1	1
Nvl_j1	1.11357	0.920758	-0.274296	0.166514	0.502925
Nvl	1.79055	1.83247	0.0333814	0.810148	0.937876
Nvl_j2	3.73165	3.43034	-0.121462	0.471815	0.769131
Wdr26_j1	7.3386	7.22268	0	1	1
Wdr26	6.04454	6.87483	0	1	1
Ccdc121	0.127073	0.0415506	-1.61272	0.0452431	1
Lbr	1.68032	2.00213	0.252803	0.147773	0.476408
Enah_j1	0.749704	0 -1.79769e+308		9.32E-33	3.15E-30
Enah	18.6419	16.2569	-0.197496	0.0234247	0.156951
Degs1_j2	12.7282	3.29403	0	1	1
Degs1	87.8295	72.6769	0	1	1
Fbxo28	10.3862	7.84822	0	1	1
Capn2_j8	42.2116	49.7673	0	1	1
Capn2_j9	10.3323	8.75223	0	1	1
Hlx	0.294441	0.34219	0.216818	0.617103	0.849315
Mosc2	13.3344	13.6746	0.0363404	0.748057	0.912349
C130074G19Rik	7.97052	7.67839	-0.0538692	0.651843	0.866416
Mark1_j3	0.203631	0	0	1	1
Mark1	12.7291	12.3472	0	1	1
Iars2	7.35342	6.28407	0	1	1
Lyplal1_j1	1.09525	1.08708	-0.0108033	0.978676	0.993756
Lyplal1	4.69789	4.55048	-0.0459932	0.796959	0.93257
Tgfb2_j2	0.229185	0 -1.79769e+308		2.06E-06	7.78E-05
Tgfb2	0.237575	0.300513	0.339043	0.383832	0.71322
Tgfb2_j4	0.402443	0.269498	-0.578511	0.126385	0.442747
Rrp15	1.47253	1.72152	0.225382	0.304647	0.650106
Spata17_j1	0.161042	0.125755	-0.356827	0.68128	0.880213
Kctd3_j3	1.94424	0.439496	-2.14528	3.25E-10	2.96E-08
Kcnk2_j3	0.417544	0.283659	-0.557773	0.209896	0.554395
Kcnk2	0.268188	0.090663	-1.56466	0.0163547	0.122362
Smyd2_j1	5.878	5.65205	0	1	1
Smyd2	29.7553	28.9791	0	1	1
Rps6kc1_j6	0.107507	0	0	1	1
Rps6kc1	3.38045	2.73582	0	1	1
Rps6kc1_j2	0.98497	0.825679	0	1	1
Vash2	1.05256	1.59635	0	1	1
Mfsd7b_j2	3.48711	3.43589	0	1	1
Mfsd7b	3.254	3.47746	0	1	1
Tatdn3_j5	0.764241	0.855883	0.163386	0.502043	0.786029
Atf3	20.3138	72.237	0	1	1
Atf3	7.73709	20.0976	0	1	1
Nenf_j3	31.1973	41.9764	0	1	1
Nenf	13.4896	17.4579	0	1	1

Rcor3_j3	0.822989	0.800955	0	1	1
Rcor3_j4	0.600977	0.489915	0	1	1
Hhat_j1	0.164795	0.0985053	-0.742401	0.53826	0.807862
Hhat_j2	0.105439	0 -1.79769e+308	0.0044747		1
Hhat_j3	0.0718479	0.0140975	-2.34951	0.196664	1
Hhat	0.131919	0.072602	-0.861575	0.326732	1
Sertad4	3.62501	3.77458	0	1	1
Syt14	0.585117	0.164735	0	1	1
Syt14	0.107322	0	0	1	1
AA408296	1.04158	1.01318	-0.0398869	0.847698	0.951788
AA408296	0.33737	0.000371339	-9.82738	0.363832	0.697943
Hsd11b1	0.335249	0.187842	-0.835714	0.247849	0.595123
G0s2_j1	0.120206	0.343381	1.5143	0.156363	0.4898
Camk1g	11.0885	8.52085	-0.38	0.0009247	0.0134219
Cr1l_j4	1.60173	1.15686	-0.469424	0.295808	0.642525
Lypla1_j1	2.02363	0 -1.79769e+308	1.65E-20		4.68E-18
Tcea1_j3	0.0176113	0.0590394	1.74517	0.294176	1
Tcea1_j2	0.0795504	0.0563412	-0.497679	0.645165	1
Atp6v1h_j2	0.0641346	0.131084	0	1	1
Atp6v1h_j6	24.6077	29.1267	0	1	1
Pcmdt1_j1	0.729067	0.719759	0	1	1
Sgk3_j3	0.197902	0.359316	0	1	1
Prex2_j9	0.0517185	0.0174627	-1.5664	0.521068	1
Sulf1_j1	0.313285	0.109735	0	1	1
Sulf1	1.37306	1.1247	0	1	1
Terf1_j2	3.30493	3.86535	0.225981	0.396824	0.721313
Tmem14a_j1	3.67542	4.79691	0	1	1
Lmbrd1	13.6821	12.9206	0	1	1
Dst_j3	0.810486	0.744452	0	1	1
Dst_j10	3.95022	5.28572	0	1	1
Dst_j14	11.9342	9.25853	0	1	1
Dst_j17	31.0252	30.7477	0	1	1
Ptpn18_j3	1.05945	2.57769	1.28276	1	1
mKIAA1112_j1	0.245586	0.157568	0	1	1
Plekhb2_j1	0.065116	0 -1.79769e+308	0.0266147		1
Hs6st1_j1	0	0.703047	0	1	1
Cnm3_j1	4.2197	4.50814	0.0953935	0.504622	0.787829
Cox5b_j3	1.44358	1.1624	-0.312548	0.38221	0.712312
Mrpl30_j3	0.697984	0.668046	0	1	1
Rpl31_j6	1.53522	1.47916	-0.0536655	0.857784	0.954916
Map4k4_j1	0.595359	0.752068	0.337102	0.262328	0.611392
Il1r1	0.274724	0.725194	0	1	1
Il1r1_j4	1.19791	2.45847	0	1	1
Nck2_j2	2.02926	2.84165	0.485773	0.0177134	0.129409
Bivm	2.46242	2.18186	0	1	1
Bivm_j7	1.44179	1.64172	0	1	1
Ercc5_j5	2.10236	1.70158	0	1	1

XLOC_000094	0.166411	0.136616	-0.284624	0.785748	0.928253
Tmeff2_j2	0.912507	1.50824	0	1	1
Tmeff2	0.697492	0.193096	0	1	1
Tmeff2_j5	0.784744	0.730194	0	1	1
Stat1	2.98433	2.41436	0	1	1
Stat1_j5	0	0.0890065	0	1	1
Tmem194b_j3	0.212555	0.275249	0.372902	0.333568	0.67451
Coq10b_j1	10.5236	11.166	0.0854896	0.538921	0.80821
Hspe1_j1	0.100215	0.0649635	-0.625395	0.323837	1
Plcl1_j2	0.309216	0.568435	0.878382	0.0377351	0.215618
9430016H08Rik	3.16793	3.19431	0.0119645	0.933596	0.979831
Spats2l_j1	0.45912	0.715486	0.640052	0.127276	0.444526
Spats2l_j4	0.492677	0.222343	-1.14786	0.103262	0.398343
Bzw1_j1	0.0889461	0.0563558	-0.658367	0.337338	1
Ndufb3_j1	67.7118	64.8662	-0.0619391	0.61643	0.848843
Cflar_j1	0.0660686	0.049552	-0.415022	0.779551	1
Casp8	0.275767	0.448194	0.700674	0.11459	0.421224
Cdk15	0.106201	0.0090194	-3.55762	0.0207859	1
Gm15464	2.42688	2.93176	0.272664	0.328492	0.671065
Nbeal1_j3	0.0900267	0.0161138	-2.48205	0.433997	1
Nbeal1_j7	0.150183	0.142761	-0.0731209	0.941146	0.982153
Cyp20a1	2.03646	2.4017	0.237993	0.377078	0.708952
XLOC_000135	0.0957559	0.151292	0	1	1
Abi2_j6	2.17205	1.71998	0	1	1
Abi2	3.21016	3.14279	0	1	1
Fastkd2_j1	4.93169	5.02328	0.0265458	0.901647	0.968734
Creb1_j1	0.632214	0.44048	0	1	1
Creb1_j4	0.096025	0.0933125	0	1	1
Pikfyve_j9	0	0.137997	1.79769e+308	0.103384	1
Pikfyve_j10	0.106843	0	-1.79769e+308	0.058029	1
Mtap2_j5	4.96362	4.43576	-0.162209	0.226191	0.573417
Mtap2_j13	1.49444	1.27701	-0.226836	0.194971	0.537285
Unc80	0.4738	0.370911	0	1	1
Rpe_j1	7.06282	6.53157	-0.112814	0.355612	0.691525
Vwc2l_j1	0.345801	0.480359	0.47417	0.240052	0.587436
Vwc2l_j2	0.984713	0.172992	-2.50899	3.21E-06	0.0001153
AK084284_j1	0.175315	0.152048	-0.205418	0.77783	0.9249
AK044410_j1	0.0213745	0.0696981	1.70523	0.577205	1
Tmem169_j2	0.000518319	0.167885	0	1	1
Xrcc5_j1	0.762906	0.717386	-0.0887564	0.814191	0.939438
Xrcc5_j5	3.10468	2.98437	-0.0570169	0.872204	0.959643
Smarcal1_j1	0.0745831	0.309669	2.05381	0.0007549	0.0114285
Smarcal1_j3	3.94399	2.47993	-0.669358	3.16E-05	0.0008093
Rpl37a	0.515062	0.551134	0.0976579	0.701289	0.890296
Rpl37a_j1	2.38851	3.15756	0.402697	0.109562	0.41203
Ctdsp1_j1	4.85564	4.99635	0	1	1
Rqcd1_j4	0.00512618	3.45884	0	1	1

Plcd4	4.46392	3.79594	0	1	1
Stk36_j3	0.256261	0.315985	0.302241	0.379681	0.710994
mKIAA0173	0.0618735	0.0699114	0.176207	0.906738	1
Cyp27a1_j4	0.315444	0.655748	1.05576	0.0398386	0.223291
XLOC_000177	0.237553	0.28825	0.27907	0.558647	0.82019
Zfand2b	14.0309	16.2016	0.207537	0.0954261	0.381368
Dnajb2	27.4049	30.5657	0.157482	0.0905118	0.369579
Dnajb2_j3	2.9007	2.74621	-0.07896	0.720079	0.899526
Speg_j4	0.342048	0.000323222	-10.0475	0.569482	0.82591
Speg_j3	0.218155	0 -1.79769e+308		1.50E-06	5.87E-05
Speg_j10	3.12549	3.98618	0.350925	0.096631	0.383949
Speg_j16	0.533915	0.392214	-0.44497	0.407629	0.728185
Stk11ip_j2	0.137663	0.180463	0.390563	0.534493	0.805659
Slc4a3_j13	0.908332	0.715781	0	1	1
Slc4a3_j12	0.84646	1.26306	0	1	1
Sgpp2_j2	0.276879	0.803898	1.53776	6.88E-07	3.00E-05
Mogat1_j2	0.168398	0.100472	-0.745082	0.545971	0.812777
Kcne4_j1	0.273158	0.356476	0.384071	0.417528	0.734635
9430031J16Rik	0.171025	0 -1.79769e+308		4.14E-07	1.89E-05
Rhbdd1	5.13171	4.6243	-0.150207	0.264887	0.613816
Mff_j5	13.3631	8.84809	0	1	1
Mff_j4	18.64	14.558	0	1	1
Agfg1_j3	3.79124	2.23934	-0.759594	1.34E-07	6.98E-06
Sp100	0.533395	0.549292	0.0423673	0.911631	0.972265
Sp100_j10	0.362504	0.329091	-0.139509	0.81825	0.941034
Psm1_j2	0.177776	0.398217	0	1	1
Ptma_j2	0.38585	0.510309	0.403331	0.324368	0.66746
Cops7b_j2	0.322339	0.330495	0	1	1
Dis3l2_j3	2.17403	2.90405	0	1	1
AK006434	0.0688186	0.301747	2.13247	0.0575954	0.281219
Eif4e2_j3	7.23697	6.26845	-0.207275	0.109807	0.412328
Gigyf2_j3	0.387918	0.451144	0	1	1
Ugt1a1	1.03835	0 -1.79769e+308		0.0004743	0.0077879
Lrrfip1_j5	2.0232	2.94982	0	1	1
Asb1_j2	12.7536	13.9667	0.131084	0.167107	0.503397
Gpc1_j1	0.4047	0.412446	0	1	1
Rnpepl1_j5	0	0.194622	0	1	1
Capn10	4.05575	3.34095	-0.279711	0.121965	0.434908
Gpr35_j4	0.242784	0.3554	0	1	1
Sned1_j3	0.0782342	0.0754787	-0.0517289	0.916187	1
Ing5_j2	0.10988	0.0242699	-2.17868	0.108379	1
AK007349_j1	0.122277	0.246929	1.01394	0.296868	0.643452
AK144617_j1	0.365194	0.0774834	-2.2367	0.193381	0.535696
2310035C23Rik_j2	2.15185	2.67271	0.312727	0.0954	0.381326
2310035C23Rik_j5	4.16078	4.48709	0.108926	0.761555	0.917949
Tnfrsf11a_j3	1.13705	1.31341	0	1	1
Zcchc2_j6	0.374759	0.305113	-0.296623	0.43065	0.743283

Serpinb5_j6	0	0.090018	1.79769e+308	0.0358703	1
Clasp1_j1	5.3923	4.76853	0	1	1
XLOC_000287	0.130941	0.0883656	-0.567362	0.543484	1
Ubxn4_j2	7.11191	7.80857	0	1	1
XLOC_000306	0.460944	0.443038	-0.0571629	0.940405	0.981888
AA986860	1.20524	0.982888	-0.294226	0.219755	0.566404
AA986860_j1	1.05645	1.01963	-0.0511729	0.856267	0.954566
Fam72a	0.764312	0.663253	0	1	1
Rab7b	0.123372	0.139277	0.17494	0.820582	1
5430435G22Rik	0.0880686	0.296125	1.74951	0.0113832	0.0943512
Slc45a3_j1	0.206797	0.181538	-0.187941	0.818229	0.941034
Lemd1	0.0847854	0.111148	0.390589	0.763903	1
Dstyk	1.87725	1.8727	0	1	1
Rbbp5_j3	1.12373	1.35589	0	1	1
Lrrn2_j2	0.676776	2.88627	0	1	1
Etnk2	0.0865174	0.103957	0.264922	0.79991	1
Chi3l1_j2	0.0770234	0.0625052	-0.30132	0.832009	1
Mybph_j1	0.413863	0.199496	0	1	1
Cyb5r1_j1	3.81968	5.12395	0	1	1
Cyb5r1_j2	7.07932	12.5828	0	1	1
Syt2_j2	8.98432	10.1017	0	1	1
Csrp1_j3	0.554294	1.48567	0	1	1
Tnni1_j4	0.0519336	0.0269894	-0.944274	0.727094	1
Kif21b_j6	0.971632	0.571681	0	1	1
XLOC_000355	0.114413	0.0839189	-0.447188	0.55993	1
Dennd1b_j4	0.426252	0.284897	-0.581266	0.566492	0.824486
Dennd1b_j5	0.162112	0.136773	-0.24521	0.787482	0.929133
Kcnt2_j8	0.337467	0.325894	-0.0503413	0.871599	0.959237
Glrx2_j1	0	0.235483	1.79769e+308	0.0035045	0.0389704
Uchl5_j2	0.0774398	0.0812644	0	1	1
lvns1abp	2.101	0	-1.79769e+308	1.74E-36	6.01E-34
lvns1abp	13.6586	15.5441	0.186553	0.0564083	0.277929
1190005F20Rik_j2	0.30584	0.513563	0.747764	0.119531	0.430212
1190005F20Rik_j1	1.00123	1.14919	0.198844	0.541511	0.8095
Edem3	1.51569	1.65009	0	1	1
Edem3	3.50344	3.824	0	1	1
Ncf2_j1	0.260019	0.189353	-0.457542	0.634185	0.858133
Ncf2_j5	0.0827282	0.0389227	0	1	1
Rgs8_j6	0.0786927	0.00879875	0	1	1
XLOC_000383	0.0677978	0.103387	0	1	1
Stx6_j1	1.82375	1.81612	-0.00604983	0.979629	0.994006
Tor1aip2	17.5438	21.084	0	1	1
XLOC_000397	0.170703	0.144654	-0.238884	0.926418	0.977218
Sec16b_j7	0.11944	7.86E-05	-10.5693	0.929407	1
Sec16b_j9	0.0567227	0.0222591	-1.34953	0.443185	1
Rfwd2_j5	1.30357	0.505633	-1.3663	0.0776377	0.337244
Rfwd2_j12	0.410733	0.366724	-0.163506	0.872536	0.959686

Tnr_j6	0.355903	0.253128	-0.49162	0.294741	0.641359
Rc3h1_j1	0.473331	0.938552	0	1	1
Cenpl	0.568471	0.664655	0	1	1
Cenpl_j1	0.105486	0.146156	0	1	1
Cenpl	0.392301	0.270149	0	1	1
Ankrd45_j3	0.3618	0	0	1	1
Pigc	0.318302	0.418978	0.39648	0.242654	0.590089
Kifap3	10.9337	4.53438	0	1	1
Scyl3	0.816835	1.08324	0	1	1
4930455F23Rik_j1	9.4644	9.81316	0	1	1
AK042927_j2	0.2894	0.152117	-0.927886	0.0865971	0.359682
Gpr161_j3	2.91749	3.19841	0	1	1
Creg1_j1	0.811117	0.787016	-0.0435165	0.957287	0.987778
XLOC_000434	0.0383844	0.10876	1.50255	0.505957	1
Aldh9a1_j1	6.73604	7.61831	0	1	1
1700084C01Rik	1.36E-05	0.0607912	12.1301	0.992779	1
AK014032	0.51603	1.11531	0	1	1
1700009P17Rik_j2	0	0.17918	0	1	1
Nr1i3_j4	5.49302	5.68975	0	1	1
Usf1_j2	1.32418	2.32495	0	1	1
Copa_j1	14.4001	13.7554	0	1	1
Copa_j5	0	0.136185	0	1	1
Slamf9_j1	0.476748	0.10492	-2.18394	0.0524272	0.265923
Igsf9_j7	1.98E-05	0.061565	11.5988	0.977339	1
Igsf9_j6	0.189986	0.207957	0.130392	0.842377	0.950233
Tagln2_j3	0	0.143346	1.79769e+308	0.113544	1
Aim2_j9	0	0.111518	1.79769e+308	0.0795328	1
rp58_j1	0.436863	0	0	1	1
EG545391_j2	0.0387354	0.10752	1.47288	0.350124	1
Pppde1_j5	0.886636	2.01429	0	1	1
Fam36a_j1	2.11814	1.98633	-0.0926922	0.509502	0.790813
Kif26b_j1	0.0534206	0.061257	0	1	1
Kif26b_j2	3.20257	2.38505	0	1	1
Cnst_j4	12.0933	8.63451	-0.48602	2.98E-05	0.0007692
Cnst_j5	41.619	48.0908	0.20852	0.0171326	0.126474
XLOC_000490	0.154261	0.26686	0.790711	0.502303	0.78635
Itpkb_j9	5.01035	12.133	0	1	1
Cnih4_j2	7.92652	7.54556	-0.0710594	0.558553	0.820132
XLOC_000504	0.152507	0.0420973	-1.85708	0.462236	0.763223
Tlr5_j3	0.119106	0.145411	0.287899	0.742584	1
Bpnt1_j1	24.4542	22.7867	-0.101896	0.293389	0.640286
Eprs_j4	7.39138	9.06704	0	1	1
XLOC_000522	0.155301	0.171288	0.141357	0.869233	0.958408
Gpatch2	0.190635	0.403429	1.0815	0.0101271	0.0863188
Angel2_j2	1.9906	1.89026	-0.0746216	0.713418	0.896209
Angel2_j1	2.34823	2.91145	0.310166	0.0872247	0.361215
Angel2_j3	1.33301	1.17406	-0.183181	0.453432	0.758064

Batf3	0.176531	0.8066	2.19193	0.0033078	0.0372361
XLOC_000533	0.190848	0.138459	-0.462965	0.56944	0.82591
Ints7_j1	0.0340399	0.0699785	1.03969	0.290428	1
Lpgat1	3.53183	4.12195	0	1	1
Lpgat1_j4	8.96277	7.51775	0	1	1
Slc30a1_j1	2.40582	2.62824	0.127568	0.416849	0.733932
Gm10516_j4	3.28679	2.94364	0	1	1
Kcnh1	3.31491	3.12737	0	1	1
XLOC_000544	0.173346	0.172868	-0.00398799	0.995879	0.998851
Lamb3_j1	0.0459615	0.146087	1.66833	0.133527	1
Lamb3_j7	0.0126763	0.124591	3.29699	0.362176	1
XLOC_000548	0	0.081409	1.79769e+308	0.014143	1
mKIAA1889	0.0742891	0.0910258	0.293125	0.570265	1
4732440D04Rik	0.193652	0.164499	-0.235386	0.675153	0.877609
Sntg1_j3	0.724526	0.455242	-0.670404	0.0691369	0.31527
2610203C22Rik_j3	0.218368	0.134195	-0.702427	0.315566	0.659626
Cops5_j1	86.7357	96.1105	0.148069	0.119226	0.429562
Ncoa2_j6	0.548855	0.468388	0	1	1
Tram1_j2	2.2895	1.91247	0	1	1
Lactb2_j1	10.2206	9.61804	-0.0876592	0.472876	0.769762
Trpa1_j1	0	0.254826	1.79769e+308	7.34E-05	0.0016482
Gm106_j1	1.35465	1.7852	0.398165	0.180236	0.519878
Rpl7_j9	28.2329	32.0754	0.184087	0.119765	0.430734
Stau2_j1	1.41235	0.3985	0	1	1
Ube2w_j2	18.9731	19.7352	0.0568119	0.64947	0.865315
Tceb1_j3	22.8116	20.7372	-0.137547	0.13391	0.455393
Jph1_j1	0.128665	0.0588559	-1.12836	0.195384	1
6720483E21Rik_j1	0.575438	0.650222	0	1	1
XLOC_000599	0.0181974	0.050612	0	1	1
Rims1_j22	0	0.474679	1.79769e+308	0.0002129	0.0040395
Ogfrl1_j3	0.230182	0.962328	0	1	1
Fam135a_j2	0.0498279	0	-1.79769e+308	0.0052603	1
Bai3_j1	1.64379	0.442316	0	1	1
Prim2_j4	0.191599	0.190145	-0.0109879	0.990957	0.99726
Zfp451_j2	0.799871	0.544404	0	1	1
Bend6_j2	0.0612702	0	0	1	1
Ccdc115_j3	4.11999	6.18666	0	1	1
Uggt1_j1	0.813856	0.635368	0	1	1
4632411B12Rik_j2	2.96279	2.69905	0	1	1
Ankrd39	4.48988	3.62217	-0.309823	0.10231	0.396354
Sema4c_j7	0.0358873	0.107863	0	1	1
Sema4c_j8	0.323847	0.288402	0	1	1
Actr1b_j4	1.6134	3.84735	0	1	1
6330578E17Rik_j1	8.29149	3.13644	0	1	1
Mgat4a	4.12595	3.47353	0	1	1
2010300C02Rik_j2	0.0783062	0	-1.79769e+308	0.0676961	1
2010300C02Rik_j1	0.115111	0.38429	1.73917	0.0662023	0.307235

2010300C02Rik_j3	0.100632	0.0131922	-2.93133	0.0766953	1
Tsga10_j5	1.13365	1.43365	0	1	1
Aff3_j5	1.47463	1.1516	0	1	1
Chst10_j1	0.223643	6.50E-05	0	1	1
Rnf149	8.30541	7.26323	-0.193441	0.141614	0.468162
Tgfbrap1	4.85595	3.98049	0	1	1
Uxs1_j2	0.0462756	2.46606	0	1	1
Kdelc1	0.430961	0.670986	0	1	1
Col5a2_j3	2.3504	3.2356	0	1	1
Myo1b_j5	1.16684	1.39896	0	1	1
Gm3940	0.731003	0.856854	0.229171	0.641476	0.86175
Mfsd6_j3	6.14831	6.35012	0	1	1
Pms1_j8	0.0268367	0.104147	1.95634	0.392625	1
Hecw2_j6	0.706796	0.648917	0	1	1
Ankrd44	0.118762	0.0490403	-1.27603	0.244622	1
Ankrd44_j6	0.310766	0.257566	-0.270882	0.676295	0.878168
Sf3b1_j1	0	0.889321	0	1	1
Hspd1_j2	1.47423	1.15939	-0.346592	0.315111	0.659071
Kctd18	1.03522	0.971388	-0.0918157	0.743499	0.910278
Kctd18	2.08569	2.21722	0.0882252	0.68603	0.882933
Clk1_j4	5.40791	6.09001	0	1	1
Fam126b	0.540943	0.360896	-0.583892	0.0381364	0.21702
Trak2_j1	4.84703	5.61846	0	1	1
Sumo1_j3	0.340695	0.283055	-0.267397	0.664267	0.87286
Ica1l	1.21767	0.703741	-0.791007	0.0079251	0.0721158
Wdr12_j1	1.26884	1.44274	0.185302	0.491712	0.780573
Gm11575	2.86625	2.13067	-0.427854	0.376028	0.708112
XLOC_000710	0	0.368996	1.79769e+308	0.0220846	0.150909
Ino80d_j5	0.235426	0.112936	-1.05977	0.335904	0.676459
Ndufs1	53.9196	48.2477	0	1	1
Mdh1b	0.258122	0.196262	-0.395276	0.492463	0.781084
Klf7	11.7898	14.3648	0	1	1
Klf7_j3	1.0485	0.273876	0	1	1
Plekhn3_j4	3.54476	4.23232	0	1	1
Lancl1	2.059	2.53514	0.300121	0.0940954	0.377895
Tns1_j3	0.245904	0.161017	0	1	1
Tns1_j4	1.19218	0.838793	0	1	1
Tns1_j5	0.463017	0.549363	0	1	1
Aamp_j3	10.0237	10.6748	0.0908023	0.672094	0.87616
XLOC_000750	0.180702	0.135677	-0.413434	0.455845	0.759596
Nhej1_j2	0.840212	0.70303	-0.257166	0.692771	0.8862
1810031K17Rik_j1	8.68615	9.4959	0.128589	0.448996	0.755281
Abcb6_j2	0.60498	0.863846	0.513887	0.139801	0.465192
Abcb6_j1	5.59221	5.88861	0.0745098	0.596302	0.83935
Atg9a_j3	1.75201	0.884902	0	1	1
Tuba4a	20.5455	15.5006	0	1	1
Ptprn_j1	12.0548	18.555	0	1	1

Ptprn_j2	2.84105	2.96822	0	1	1
Ptprn_j3	0.181211	0.646799	0	1	1
Dnpep_j3	10.4959	13.4591	0	1	1
Chpf	4.16511	4.41974	0	1	1
Scg2	28.1597	28.0186	0	1	1
Wdfy1_j3	0.871753	1.2009	0	1	1
Serpine2_j2	1.28098	2.13591	0.737601	0.0188001	0.135159
Cul3_j2	24.0389	24.4146	0	1	1
Dock10_j3	0.190957	0.0657317	0	1	1
Dock10_j7	0.152766	0.0893782	0	1	1
Trip12_j4	4.64425	5.75734	0	1	1
Sp110_j4	0.0773341	0.183851	1.24936	0.382304	0.712346
Pde6d_j1	21.1209	24.3463	0	1	1
Ecel1	8.10015	26.2188	1.69458	0	0
Per2_j1	0.307883	0.332173	0.109551	0.805905	0.935848
AK017177	0.455336	0.419416	-0.11855	0.774874	0.923741
Kif1a_j7	5.78173	10.286	0	1	1
Kif1a_j5	0.450302	24.8654	0	1	1
Pask_j7	0.000117301	0.0835523	9.47633	0.836135	1
Pask_j6	0.0545788	0 -1.79769e+308	0.0101431	0.0101431	1
Stk25	3.4136	0.396376	0	1	1
Dtymk	2.89009	3.49139	0.272685	0.280609	0.629166
Dtymk	5.57114	6.20901	0.15639	0.439624	0.749194
D1Ert622e_j1	2.04652	1.89501	0	1	1
D1Ert622e	0.641167	0.931556	0	1	1
Ppip5k2_j1	3.80578	3.33377	0	1	1
Ppip5k2_j6	1.37195	1.01103	0	1	1
Pam_j6	5.23762	6.25447	0	1	1
XLOC_000829	0.103958	0.114907	0.144474	0.859632	1
Pign_j3	0.345791	0.075351	-2.1982	0.0010647	0.0150126
Bcl2_j3	0.814537	0.94759	0.218283	0.652906	0.867181
Vps4b_j2	12.4658	12.2322	-0.0272815	0.81473	0.939556
Gm8080_j1	0.167864	0.190686	0.183905	0.788264	0.929506
Cdh19_j5	7.2474	8.74468	0.270942	0.0332908	0.199071
Cdh19	4.80504	3.75128	-0.357164	0.0152122	0.116096
Dsel_j4	3.41315	2.93985	-0.215362	0.117532	0.426531
XLOC_000841	0.225164	0.094064	-1.25926	0.264484	0.613354
Ralb	5.19659	6.71304	0	1	1
Ralb_j5	0.397527	0.00249006	0	1	1
Dbi_j4	0.319375	0.116308	-1.4573	0.347124	0.685818
Steap3	1.08552	1.7681	0.703811	0.004008	0.0429433
Insig2_j2	0.441874	0.511469	0	1	1
Ddx18_j4	0.125541	0.0867983	-0.532423	0.785293	1
Ddx18_j9	0.161409	0.145134	-0.153342	0.904126	0.9694
Dpp10_j4	2.57652	3.07714	0	1	1
Actr3_j4	0.455484	0.523079	0.199626	0.698062	0.888723
Tmem163_j2	2.5862	2.93507	0	1	1

Cd55	94.1206	71.2669	-0.401278	3.37E-06	0.0001202
Pfkfb2_j3	0.464929	0.507422	0	1	1
Pfkfb2_j2	2.86034	1.91839	0	1	1
Mapkapk2_j1	1.57186	2.28269	0.53826	0.0450926	0.242851
Dyrk3_j1	0.0684022	0.410891	2.58664	0.0058191	0.057111
Rassf5_j2	20.8677	15.4143	0	1	1
Srgap2	0.214269	0.180553	0	1	1
Srgap2_j6	3.79327	3.99105	0	1	1
Tmcc2_j1	5.00228	4.56733	0	1	1
Cntn2_j3	2.41839	2.80066	0	1	1
Nfasc_j5	0.435369	0.423026	0	1	1
Mdm4_j2	0	0.473342	0	1	1
Mdm4_j3	0	0.15281	0	1	1
Sox13_j4	0.0312216	0.289144	0	1	1
Snrpe_j3	0.819944	0.574023	-0.514416	0.384513	0.713264
Atp2b4_j10	1.99138	2.046	0	1	1
Atp2b4_j4	2.12799	0.274563	0	1	1
Prelp_j1	0	0.335896	1.79769e+308	2.04E-05	0.0005634
Adora1_j1	0.267406	0.362837	0	1	1
Ppfia4_j1	1.97288	2.21164	0	1	1
Ppfia4_j2	2.84522	1.86346	0	1	1
Ppfia4_j3	0.000223649	1.14649	0	1	1
Tmem183a_j1	8.33638	9.09981	0	1	1
Tmem183a	12.0469	13.1301	0	1	1
Shisa4_j6	8.59329	11.3944	0	1	1
Ipo9_j1	5.45991	5.44122	0	1	1
Nav1_j5	1.68033	4.75863	0	1	1
Igfn1_j6	0.117403	0.232901	0.988248	0.0975669	0.385935
Camsap1l1_j4	0.000210468	0.168512	0	1	1
Nek7_j1	4.01833	3.58441	0	1	1
2310009B15Rik_j1	1.35159	1.21339	-0.155605	0.746979	0.911835
Trove2_j1	0.0543469	0.0324284	0	1	1
Hmcn1_j6	0.163012	0.284649	0.80421	0.173668	0.511525
XLOC_000933	0.573603	0.423675	-0.437095	0.453063	0.757983
1700025G04Rik	2.45499	2.06961	0	1	1
ENSMUSG00000073540_j4	2.25945	4.16536	0	1	1
Rgl1_j2	3.55186	2.89623	0	1	1
Rgl1_j3	5.39213	5.51454	0	1	1
Dhx9_j1	6.03609	6.44146	0	1	1
Dhx9_j4	0.331934	2.25231	0	1	1
Dhx9	1.84982	0.553543	0	1	1
Mr1_j1	0	0.0914765	1.79769e+308	0.0277876	1
Mr1	0.683369	1.22851	0.846179	0.0015041	0.0197772
BC034090_j1	0.65223	0.476272	-0.453594	0.410518	0.730318
BC034090_j5	0.272142	0.130968	-1.05515	0.0854736	0.356994
Qsox1_j1	0	1.12601	1.79769e+308	2.39E-06	8.88E-05
Cep350_j3	1.93391	1.97238	0	1	1

Tor1aip1	1.46008	1.37908	-0.0823442	0.642026	0.86192
Soat1	5.24396	4.34603	-0.270958	0.010919	0.0913427
Soat1_j2	0	0.193665	1.79769e+308	9.51E-06	0.000297
Tor3a	1.60611	2.1434	0.416332	0.0121749	0.0993318
Fam20b_j2	1.43424	2.28943	0	1	1
Fam5b_j2	0.114208	0.418428	0	1	1
Cacybp_j1	36.1965	32.6361	0	1	1
Rabgap1l_j1	0	0.418162	1.79769e+308	1.62E-07	8.18E-06
Rabgap1l	10.5467	9.27364	-0.18558	0.0938023	0.377323
Zbtb37_j4	1.38771	2.48075	0.838073	1.64E-06	6.33E-05
Dars2_j2	2.14434	2.69645	0	1	1
Al848100	1.47736	1.63638	0	1	1
Dnm3_j1	39.1113	32.6306	0	1	1
Dnm3	1.65524	1.83163	0	1	1
Mettl13_j1	1.24146	1.68331	0	1	1
Prcc2c_j6	3.32782	2.7159	0	1	1
Prcc2c_j7	0.00155509	0.704842	0	1	1
Fmo4_j3	0.264256	0.242949	-0.121283	0.843325	0.950448
Fmo1_j3	0.244837	0.183006	0	1	1
Fmo1_j4	3.17885	2.16012	0	1	1
Fmo2	0.692882	0.574582	0	1	1
Atp1b1_j1	75.7606	71.0377	0	1	1
Sft2d2	1.03431	1.2584	0.282913	0.189084	0.530662
Tipr1_j4	0.985816	0.320395	0	1	1
Tipr1_j5	0	0.291521	0	1	1
Dcaf6_j2	8.81356	11.4397	0.376252	0.0203231	0.14243
Rcsd1	3.2899	2.3416	-0.490549	0.0068694	0.064884
Pbx1_j1	0.260068	0.133356	0	1	1
Nuf2_j1	0.153894	0.000375683	-8.67821	0.843714	0.950584
Nuf2	1.41E-05	0.145885	13.3363	0.983508	1
Nuf2	0.401329	0.444999	0.149018	0.681586	0.880374
Rgs4_j1	173.116	119.782	0	1	1
Hsd17b7_j1	0	0.137108	0	1	1
Uap1	16.5935	21.0892	0	1	1
Uhmk1_j3	0.584974	1.10888	0	1	1
Fcrlb_j2	0.0951328	0.208096	1.12923	0.197361	0.540247
Sdhc_j1	2.52539	1.80649	0	1	1
Tomm40l_j2	12.983	12.8025	0	1	1
Fcer1g_j1	1.71744	4.58247	0	1	1
Ufc1_j2	72.091	73.6644	0.0311486	0.768818	0.921186
Ncstn	10.0871	8.56211	0	1	1
Pea15a_j2	0.612671	0	0	1	1
Cadm3_j2	11.1538	17.7474	0	1	1
Cadm3_j1	95.0053	88.2123	0	1	1
AK145253_j2	0.080465	0.109486	0.444313	0.540125	1
Mndal	0.672968	0.994696	0.563717	0.0582156	0.2832
Mndal	0.964957	1.13652	0.236089	0.394001	0.719796

Pld5_j3	2.16219	1.89847	0	1	1
Cep170_j9	0.193885	0.000237947	0	1	1
Hmga2-ps1	1.20021	1.15006	0	1	1
Akt3_j3	1.76221	2.78838	0	1	1
Hnrnpu_j2	7.3627	7.84499	0.0915365	0.453897	0.758346
Hnrnpu	44.2047	45.6833	0.0474672	0.587926	0.835176
Smyd3_j1	0.439321	0.394641	-0.154733	0.616954	0.849253
Smyd3_j9	6.53878	8.98752	0.458903	0.0523263	0.265577
Smyd3	2.57031	2.159	-0.251582	0.362999	0.697185
Tfb2m_j2	4.86492	4.35311	-0.160369	0.311157	0.655926
Adck3	2.12942	1.78516	0	1	1
XLOC_001077	0.0107163	0.0585827	2.45067	0.725064	1
Enah	4.06578	4.88377	0.264462	0.0173825	0.12774
Degs1_j1	23.6541	10.3561	0	1	1
Capn2_j1	1.03094	1.57193	0	1	1
Capn2_j2	0.127696	0.0875407	0	1	1
Mark1_j1	2.52542	2.9192	0	1	1
Mark1	3.04741	3.27241	0	1	1
Iars2_j1	13.8796	12.0238	0	1	1
Kctd3_j4	0.330476	0.167088	-0.983938	0.0854371	0.356872
Kcnk2	0.378459	0.514449	0.442891	0.228203	0.575246
Rps6kc1_j7	2.75556	2.15375	0	1	1
Rps6kc1_j8	0.227493	0.180812	0	1	1
Mfsd7b_j1	1.85649	1.53299	0	1	1
Tatdn3_j7	2.04349	1.89423	-0.109429	0.725721	0.902548
Tatdn3_j6	1.09757	1.41371	0.365181	0.365654	0.699512
Tatdn3	1.07507	1.18625	0.141981	0.739026	0.908322
Atf3_j1	15.8563	40.4272	0	1	1
Rcor3	2.74729	1.90673	0	1	1
Rcor3_j7	1.87378	1.58861	0	1	1
Hhat_j4	0.108214	0.139834	0.369831	0.747139	1
Hhat_j9	0.769599	0.241774	-1.67045	0.0089511	0.0788602
Hhat_j11	0.146201	0.168683	0.206359	0.799585	0.933125
A730013G03Rik	0.0715814	0.0671032	-0.0932029	0.910456	1
Syt14_j1	0.628901	0.994857	0	1	1
Traf3ip3_j3	1.02104	1.02783	0.00955287	0.973729	0.992504
XLOC_001132	0.226619	0.112128	-1.01512	0.458085	0.7608
XLOC_001132	0.115997	0.166512	0.521534	0.727973	0.903627
Cr1l_j2	0.000134091	0.434038	11.6604	0.938318	0.981144
Tcea1_j1	0.208471	0.0346336	-2.5896	0.160078	0.49462
Tcea1_j9	5.31233	5.91134	0.154142	0.27886	0.627636
Atp6v1h_j3	59.8143	59.1184	0	1	1
Atp6v1h_j5	2.53434	3.46555	0	1	1
Pcmdt1_j3	0.227079	0.157434	0	1	1
Sgk3_j1	0.0547562	0.0773335	0	1	1
6030422M02Rik_j2	0.129214	0	-1.79769e+308	0.026416	1
6030422M02Rik_j3	0.181908	0.0582328	-1.6433	0.180719	0.520556

Prex2_j2	0.0635836	0.0266764	-1.25309	0.142262	1
A830018L16Rik_j4	0.907889	0.794655	-0.192186	0.551038	0.81573
XLOC_000017	0.109796	0.0649954	-0.756419	0.346397	1
AK080352_j2	0.182245	0.342022	0.908211	0.0089677	0.0788679
Kcnb2_j3	1.0532	0.779606	-0.433961	0.14179	0.468457
Tmem70	1.81628	0.93942	-0.951141	0.0928168	0.374785
Ly96_j3	0.813006	0.391308	-1.05496	0.404052	0.726573
XLOC_000031	0.298264	0.299352	0	1	1
Khdrbs2_j2	0.870287	1.37547	0.660357	0.0550228	0.27362
XLOC_000042	0.352932	0.391438	0.149395	0.863487	0.956634
Dst_j4	0.0661822	0	0	1	1
Dst_j5	0.629661	0.765849	0	1	1
Dst_j13	14.2606	13.8441	0	1	1
Ptpn18_j1	0.0769617	0.119106	0.630032	0.618031	1
Ptpn18_j2	0.0462757	0.161437	1.80264	0.234067	0.581478
Plekhb2_j2	7.01048	14.2306	1.02142	1.33E-15	2.89E-13
Arid5a_j1	1.83214	2.82926	0	1	1
Cnm4_j1	0.295294	0.418524	0	1	1
Cox5b_j1	0.785465	0.990698	0.334898	0.489673	0.779571
Zap70_j2	0.0729292	0 -1.79769e+308	0.0179763	0.0179763	1
XLOC_000058	0.155229	0 -1.79769e+308	0.0052821	0.0052821	0.0528085
4921511C04Rik_j4	0.0883024	0 -1.79769e+308	0.0066779	0.0066779	1
4921511C04Rik_j6	0.227182	0.215525	-0.0759925	1	1
XLOC_000063	0.141114	0.107876	0	1	1
Nms_j2	0.109139	0.391744	1.84375	0.128812	0.447263
Map4k4_j5	0.214259	0 -1.79769e+308	3.56E-06	0.0001257	0.0001257
Map4k4_j9	7.808	10.8862	0.479474	0.0107089	0.0900178
Slc9a2_j2	0.202633	0.0763674	-1.40784	0.23628	0.583474
XLOC_000078	0.0941089	0.10779	0.195822	0.877743	1
Tpp2_j1	3.45819	3.58059	0	1	1
Bivm_j5	0.93886	0.9389	0	1	1
Gulp1_j1	0.850417	1.31352	0	1	1
Col3a1_j2	5.87371	10.0092	0	1	1
XLOC_000093	0.168938	0.0966297	-0.805953	0.576937	0.829228
Stat1	0.351308	0.208007	0	1	1
Stat1	5.99952	4.77448	0	1	1
Tmem194b_j1	0.568168	0.136556	-2.05682	0.0002461	0.0045604
Tmem194b_j5	0.0941113	0.247222	1.39337	0.0470374	0.248626
Mobkl3_j2	1.77228	0 -1.79769e+308	6.17E-22	1.81E-19	1.81E-19
Plcl1_j1	0.203102	0.248719	0.292311	0.510317	0.791044
Sgol2_j2	0.547722	0.329883	-0.731488	0.0272424	0.174397
Aox1_j2	0.0876997	0 -1.79769e+308	0.0019772	0.0019772	1
Aox1_j7	2.72626	1.67316	-0.704342	0.0139206	0.109022
Bzw1_j4	41.6949	43.0239	0.0452689	0.605456	0.844452
AK053027_j1	0.0537577	0.0563431	0.067769	0.946373	1
Cflar_j2	0.0873569	0.0554428	-0.655924	0.655837	1
Cflar_j4	0.102871	0.101187	-0.0238085	0.984269	1

Cflar_j6	0.235947	0.226113	-0.0614197	0.916809	0.97399
Cflar_j8	0.547372	1.49071	1.44541	1.62E-09	1.32E-07
Stradb_j1	1.20824	0.999046	-0.274286	0.468758	0.767193
Cdk15_j5	1.39276	1.63255	0.229188	0.27889	0.627636
Cdk15_j7	11.7966	12.1476	0.0422995	0.679472	0.879493
Abi2_j2	0.385864	0.024926	0	1	1
Abi2_j1	0.493731	0.433466	0	1	1
Abi2_j3	0.274511	0.157108	0	1	1
Nrp2	1.57665	1.23983	0	1	1
Nrp2_j2	0.693187	1.06518	0	1	1
Adam23_j2	6.53162	3.64853	0	1	1
XLOC_000145	0.423039	0.595886	0.494245	0.410911	0.730555
XLOC_000145	0.707433	0.770651	0.123485	0.862089	0.956374
Ccnyl1_j1	0.857191	0.877074	0.0330823	0.902829	0.969009
Pikfyve_j12	2.12668	1.46235	-0.540315	0.006452	0.0619057
Mtap2_j12	3.60242	3.34332	-0.107682	0.386228	0.714495
Mtap2_j14	21.0064	19.6718	-0.0946985	0.326547	0.669766
Unc80_j3	0.174892	0.114891	0	1	1
Xrcc5_j2	1.20565	1.13097	-0.0922571	0.794256	0.931391
Smarcal1_j4	0.795461	0.655717	-0.278719	0.280936	0.629415
Pnkd	30.631	21.81	0	1	1
Slc11a1_j1	0.131237	0 -1.79769e+308	0.0012137	0.0012137	1
Slc11a1_j3	0.221141	0.0760697	-1.53957	0.127977	0.445765
Plcd4_j2	2.69843	1.70985	0	1	1
Stk36_j10	0.0613845	0.0361664	-0.763226	0.528524	1
Stk36_j11	0.385817	0.328048	-0.234011	0.657994	0.869846
Cyp27a1_j1	0.470043	0.739835	0.654411	0.0590686	0.28563
Stk16	2.99096	3.25923	0	1	1
Speg_j2	0.58442	0.469952	-0.314493	0.377425	0.70922
Speg_j1	0.393707	0.74164	0.913596	0.0064477	0.0618847
Speg_j14	0.0650033	0 -1.79769e+308	8.49E-05	8.49E-05	1
Speg_j15	2.21977	2.56412	0.208058	0.166338	0.502919
Gmppa_j2	0.0700409	0	0	1	1
Slc4a3_j1	0.178516	0.0653964	0	1	1
Slc4a3_j11	0.00564058	0.545072	0	1	1
Slc4a3_j15	2.91551	2.97445	0	1	1
Sgpp2_j1	2.32857	3.03138	0.380533	0.0149887	0.114913
Mrpl44_j2	4.3417	3.44392	-0.33421	0.183971	0.524679
Mff_j2	5.5054	5.70453	0	1	1
Agfg1	0.147646	0.114197	-0.370619	0.457384	0.760373
Agfg1_j5	1.70978	2.71038	0.66468	2.84E-05	0.0007361
Agfg1_j8	1.64124	1.76691	0.106442	0.542044	0.8099
Sp100_j6	0.139929	0 -1.79769e+308	0.0017435	0.0017435	0.0223926
Cab39_j2	0.463547	0	0	1	1
Psm1_j1	0.264495	0	0	1	1
Psm1_j3	37.6538	34.8663	0	1	1
Armc9	3.01574	2.22421	-0.439221	0.0398815	0.223402

Armc9	0.816788	0.74958	-0.12388	0.588325	0.835461
Ptma_j3	40.7716	50.0178	0.294879	0.0032594	0.0368336
Dis3l2_j1	3.27926	3.43204	0	1	1
Eif4e2_j1	0.0843017	0.108434	0.363181	0.790643	1
Eif4e2	0.327168	0 -1.79769e+308		0.0011881	0.0164222
Eif4e2_j2	0.0887463	0 -1.79769e+308		0.0537098	1
Gigyf2	5.42415	3.71048	0	1	1
Inpp5d	0.436785	0.736378	0.753523	0.0018676	0.0236566
Inpp5d_j4	0.41222	0.846404	1.03793	0.003224	0.0365103
XLOC_000228	0.319037	0.300303	-0.0873048	0.756144	0.915908
Spp2_j1	0.203332	0.127022	-0.678762	0.306139	0.651491
Lrrfip1_j3	0.221646	0.222737	0	1	1
Twist2	0.133033	0.130974	-0.0225049	0.97621	1
Gpc1_j2	2.46144	0.436101	0	1	1
Rnpepl1_j3	0.565354	0.305006	0	1	1
Capn10_j1	0.248069	0.0715718	-1.79328	0.0792466	0.341796
Gpr35_j1	0.24546	0.102572	0	1	1
Ppp1r7_j3	1.19997	5.70045	0	1	1
Atg4b_j2	6.22389	9.33637	0	1	1
Ing5_j1	0.754052	0.545963	-0.46586	0.120542	0.432452
D2hgdh_j2	0.229658	0.421799	0.877069	0.190574	0.532757
D2hgdh_j5	0.356028	0.36077	0.0190882	0.979245	0.993972
D2hgdh_j1	1.09445	0.753246	-0.539012	0.19502	0.537314
Cntnap5b_j3	0.138954	0.0430149	-1.6917	0.214919	0.560432
Zcchc2_j2	0.209876	0 -1.79769e+308		4.55E-08	2.71E-06
Zcchc2_j3	0.431281	0.140592	-1.61711	0.0013178	0.0178427
Serpinb5_j2	0.116026	0 -1.79769e+308		0.0018997	1
Serpinb5	0.0495721	0.201373	2.02227	0.0208523	0.145138
Ccdc93_j2	1.98819	1.96105	0	1	1
Gpr39	0.123464	0.0707925	-0.802425	0.512132	1
Mgat5_j1	0.0564173	0.0111468	0	1	1
Ubxn4_j1	0.238791	0.204335	0	1	1
Thsd7b	0.324637	0.470335	0.534859	0.0847737	0.355482
5430435G22Rik_j2	0.21059	0.0314457	-2.7435	0.0338626	0.201403
Lemd1_j3	0.0717567	0.0294679	-1.28397	0.266288	1
Nuak2_j1	0.079153	0 -1.79769e+308		0.0123853	1
Rbbp5_j5	0.396685	0	0	1	1
Pik3c2b_j3	0.0476106	0.0106941	-2.15446	0.262732	1
XLOC_000328	0.139445	0.122698	-0.184583	0.816194	0.940221
Adipor1_j1	23.8135	26.5443	0.156623	0.198468	0.541655
Arl8a_j4	45.3321	66.6114	0.555235	6.74E-05	0.001538
Phlda3_j1	9.43989	15.5793	0.722792	6.41E-05	0.0014754
Kif21b_j4	0.401116	0.240346	0	1	1
Ddx59_j1	2.26897	2.30255	0.021199	0.920695	0.975195
XLOC_000360	0.660708	0.31331	-1.07642	0.136704	0.459729
Zbtb41_j2	0.871479	0.1044	0	1	1
Zbtb41_j4	0.383391	0.00782447	0	1	1

Aspm_j1	0.133396	0.0147263	-3.17925	0.196239	1
Kcnt2_j5	0.0772289	0	-1.79769e+308	0.0093138	1
Kcnt2_j4	0.0532444	0	-1.79769e+308	0.0179311	1
Kcnt2_j11	0.324287	0.232825	-0.478024	1	1
Uchl5	13.014	13.4257	0	1	1
Fam5c_j1	0.12275	0.323188	1.39665	0.0171133	0.126351
Ivns1abp_j4	0.195254	0.18673	-0.0643998	0.89864	0.967622
Ivns1abp_j5	25.551	29.6244	0.213406	0.0403096	0.224974
Niban_j2	1.13898	0.0946378	0	1	1
Glt25d2_j3	0.722933	1.24865	0	1	1
XLOC_000377	0.073373	0.0445562	0	1	1
Rgs8_j4	0.128914	0	0	1	1
Rnasel_j6	0.680818	0.0139454	0	1	1
Rnasel_j5	1.2091	1.03406	0	1	1
Rnasel_j9	0.239709	0.424856	0	1	1
Ifrg15	0.375139	0.00198138	0	1	1
Tor1aip2_j3	0.564751	1.38304	0	1	1
Abl2	0.475903	0.476406	0.00152362	0.994733	0.998469
Abl2_j2	0.204562	0	-1.79769e+308	1.96E-14	3.60E-12
XLOC_000396	0.279017	0.170292	-0.712341	0.412302	0.731383
BC026585_j4	0.210786	0.277256	0.39544	0.57863	0.830487
Sec16b_j2	0.130768	0	-1.79769e+308	0.0325329	1
Sec16b_j5	0.20438	0.202911	-0.0104021	0.986499	0.996133
Sec16b_j8	0.0872082	0	-1.79769e+308	0.0081389	1
Rfwd2_j3	0.149065	0.427516	1.52004	0.105516	0.403518
XLOC_000402	0.227813	0.078803	-1.53153	0.182659	0.523127
Ankrd45_j7	0.473192	0	0	1	1
Ankrd45_j9	0.202277	0.0630327	0	1	1
Scyl3_j1	0.548472	0.244546	0	1	1
Dpt	0.164864	0.0797497	-1.04773	0.17716	0.516317
AK042927_j3	0.065868	0	-1.79769e+308	0.0093389	1
AK042927_j7	0.108467	0.0268972	-2.01172	0.151544	1
Creg1_j2	0.471693	0.0919838	-2.35839	0.0248738	0.163646
Ildr2	0.0860355	0.113426	0.398746	0.465234	1
Rxrg_j4	0.207096	0.0605419	0	1	1
Fcgr4	0.34847	0.625347	0.843623	0.0322157	0.194672
Nr1i3_j3	0.207605	0.172176	0	1	1
Pfdn2	24.2917	23.39	0	1	1
Pvrl4_j2	0.851073	0.888091	0	1	1
Pvrl4_j1	1.15593	0.280391	0	1	1
Arhgap30_j3	0.202382	0.178861	-0.178243	0.760153	0.917414
Usf1_j5	1.96728	2.19817	0	1	1
Cd84_j2	0.0799706	0	-1.79769e+308	0.0995653	1
Igsf8_j1	0.0729821	0	-1.79769e+308	0.0325665	1
Igsf8_j2	0.143315	0	-1.79769e+308	0.0048161	0.0492826
Igsf9_j1	0.0695018	0.131981	0.925203	0.239439	1
Pydc3_j2	0.0757497	0.0235512	-1.68544	0.479308	1

Sdccag8_j1	5.09094	5.77987	0	1	1
rp58_j5	0.299021	0.338053	0	1	1
EG545391_j3	0.189141	0.0817045	-1.21097	0.213425	0.558539
Pppde1_j2	0.0977528	0.0404594	0	1	1
Efcab2_j2	2.07867	1.71285	-0.279259	0.126581	0.443067
Efcab2_j4	0.279861	0.194489	-0.525023	0.317334	0.660716
Itpkb_j4	8.32981	6.51528	0	1	1
Itpkb_j6	11.7663	3.73476	0	1	1
Parp1_j2	12.9289	16.2514	0	1	1
XLOC_000496	0.0843081	0.0497477	-0.761042	0.688655	1
XLOC_000496	0.145989	0.0889508	-0.714784	0.385158	0.713848
Pycr2_j1	1.34955	1.33918	-0.0111256	0.9761	0.99312
Tmem63a	0.860968	0.744535	0	1	1
1700047M11Rik_j1	0.120195	0 -1.79769e+308	0.0162144		1
Trp53bp2_j1	0.279113	0.0998332	-1.48326	0.0210996	0.14617
Trp53bp2_j2	0.571418	0.179723	-1.66877	0.0009318	0.0135135
Susd4_j4	1.17439	0.750773	0	1	1
Tlr5_j6	0.0628092	0.00465927	-3.7528	0.244023	1
Tlr5_j7	0.172073	0.0755127	-1.18823	0.158259	0.492485
XLOC_000516	0.144752	0.109955	-0.396677	0.720025	0.899505
XLOC_000516	0.129025	0.123399	-0.0643259	0.942433	1
Eprs_j7	8.05455	8.36284	0	1	1
Eprs_j8	18.1344	22.9952	0	1	1
AK020767_j1	0.159291	0.108704	-0.551258	0.553953	0.817269
Gpatch2_j1	0.33367	0 -1.79769e+308	1.08E-10	1.09E-08	
Esrrg_j4	3.26489	1.2256	0	1	1
Ptpn14_j2	0.0727509	0 -1.79769e+308	0.0054273		1
Angel2_j4	0.698464	0.400012	-0.804144	0.154046	0.486993
Nsl1_j1	0.0701457	0.239971	1.77443	0.0250797	0.164682
Batf3_j1	0.177224	0.292776	0.724221	0.305391	0.650525
XLOC_000533	0.131499	0 -1.79769e+308	0.0001685		1
Ints7_j2	0.998059	1.37183	0.458907	0.0574092	0.28075
AK145301_j1	0.151684	0.0796711	0	1	1
AK145301	0.281067	0.156307	0	1	1
A130010J15Rik_j1	0.966885	0.951716	0	1	1
Lamb3_j2	0.130594	0.0203774	-2.68005	0.252871	1
Plxna2_j1	12.3304	10.9549	0	1	1
Cd34_j1	0.034385	0.0581254	0.75739	0.535345	1
A330023F24Rik_j4	0.0868651	0.0447154	-0.958006	0.284564	1
A330023F24Rik_j10	1.53479	1.23889	-0.308989	0.149912	0.47968
Sox17_j1	0.0688026	0.0543576	-0.339981	0.808575	1
Sox17_j2	0.0539305	0 -1.79769e+308	0.0034447		1
Sntg1_j2	0.149779	0 -1.79769e+308	9.01E-08	4.89E-06	
Mybl1_j3	0.0544244	0.0592236	0.121919	0.899823	1
Mybl1_j5	0.168238	0.0198438	-3.08374	0.0119112	0.0976318
Snhg6_j2	7.52504	7.26077	-0.0515782	0.874933	0.96023
Arfgef1	6.63587	5.94625	0	1	1

Slco5a1_j1	5.28882	3.26529	-0.695734	5.44E-08	3.17E-06
Ncoa2_j1	0.272919	0.182682	0	1	1
Ncoa2	2.60003	2.31802	0	1	1
Trpa1_j5	0.172469	0.0485787	-1.82794	0.0441185	0.239316
XLOC_000584	0.117249	0.0667419	-0.812905	0.301964	1
AK015384_j3	0.184726	0.0933556	-0.984578	0.482934	0.77583
Rpl7_j2	0.186137	0.248482	0.416781	0.446173	0.75332
Stau2_j4	0.799636	0	0	1	1
Stau2_j3	5.85769	4.75328	0	1	1
Ube2w_j1	6.69211	6.34846	-0.0760546	0.561653	0.821809
Tceb1_j2	0.694135	0.74011	0.0925231	0.732791	0.905724
XLOC_000593	0.0716511	0.053712	-0.415746	0.782015	1
6720483E21Rik_j2	0.0981387	0	0	1	1
Tram2	0.204039	0.212068	0.055682	0.883643	0.963053
Tram2_j1	0.0694679	0 -1.79769e+308		0.0002816	1
Kcnq5_j1	0.306421	0.146911	0	1	1
Rims1_j5	2.15344	1.58648	0	1	1
Rims1_j17	0.115085	0 -1.79769e+308		0.0018704	1
Rims1_j15	0.593182	0.2761	-1.10328	0.0252864	0.165616
Fam135a_j3	3.45209	3.27071	-0.0778677	0.605118	0.844217
Fam135a_j4	0.372936	0.0115387	-5.01438	0.0004058	0.0068489
Col19a1_j1	0.141693	0 -1.79769e+308		3.54E-08	2.17E-06
Bai3_j7	0.826991	0.310066	0	1	1
Bai3_j8	0.00132173	0.167751	0	1	1
Phf3_j2	0.155765	0.177738	0	1	1
Phf3_j1	0.0685359	0.0630821	0	1	1
Prim2_j3	0.0727698	0 -1.79769e+308		0.0269037	1
Bend6_j1	3.00168	0	0	1	1
Uggt1_j4	3.04441	3.59813	0	1	1
Neur13	0.307583	0.232011	-0.406785	0.434243	0.74542
4632411B12Rik_j4	1.02894	1.54015	0	1	1
Lman2l_j4	4.05985	4.44627	0.131168	0.390937	0.717624
Ankrd23_j2	0.0749241	0 -1.79769e+308		0.0073774	1
Ankrd39_j2	0.465179	0.647567	0.477243	0.183483	0.524089
Sema4c_j11	2.08985	2.40141	0	1	1
Sema4c_j12	0.0522768	0.0175288	0	1	1
Actr1b_j2	0.213898	0	0	1	1
Tmem131_j1	5.08369	5.5314	0	1	1
6330578E17Rik_j2	1.09779	0.197873	0	1	1
2010300C02Rik_j5	0.227176	0 -1.79769e+308		7.33E-09	5.23E-07
Tsga10	0.283129	0.201468	0	1	1
Tsga10_j4	0.230142	0.165553	0	1	1
Aff3_j1	0.697605	0.268972	0	1	1
Aff3_j2	0.443272	1.5532	0	1	1
Aff3_j3	0.836533	0.115276	0	1	1
XLOC_000646	0.110324	0.0888164	-0.312848	0.754859	1
Rnf149_j1	1.08816	0.841519	-0.370825	0.18107	0.520983

AK041998_j1	0.155633	0.0279837	-2.47549	0.142361	0.469041
Mfsd9_j3	0.256968	0.215329	-0.255048	0.660175	0.871049
Tgfbra1_j5	1.5126	1.36391	0	1	1
Uxs1_j4	3.78052	3.6517	0	1	1
Uxs1_j5	0.89069	0.591564	0	1	1
1700029F09Rik_j2	0.389954	0.290505	-0.42474	0.602143	0.842672
Slc39a10_j3	2.39084	3.06514	0	1	1
Mfsd6_j1	6.65528	0.00872422	0	1	1
Inpp1_j1	4.54749	4.63868	0	1	1
XLOC_000678	0.0329903	0.120111	1.86426	0.240086	1
XLOC_000678	0.179465	0.0957302	-0.906654	0.51901	0.796737
Hecw2_j1	0.0783029	0.0106163	0	1	1
Gtf3c3_j1	0.394826	0.123941	-1.67156	0.0044766	0.046737
Ankrd44_j4	0.376257	0.164503	-1.1936	0.0030567	0.0349727
Hspd1_j7	0.427888	0.131688	-1.70011	0.0573463	0.280663
1110034B05Rik	3.14913	3.24642	0.0438966	0.811236	0.938053
Kctd18_j4	0.0619611	0 -1.79769e+308		0.0305509	1
Clk1_j2	7.49052	8.3308	0	1	1
Fam126b_j2	0.940516	0.000140694	-12.7067	0.509883	0.790859
Trak2_j6	6.93978	9.69924	0	1	1
Mpp4_j3	0.0981859	0.139806	0.509836	0.602641	1
Als2_j1	1.60827	1.76787	0.136502	0.492085	0.78083
Wdr12	0.255164	0.256017	0.00481167	0.986801	0.99622
Raph1_j6	3.16675	2.39488	0	1	1
XLOC_000710	0.0736719	0.0574435	-0.358971	0.835702	1
XLOC_000710	0.425043	1.30575	1.6192	0.0036826	0.0405203
Ino80d	0.108761	0.0685758	-0.665395	0.171951	1
Klf7_j6	1.63116	1.66554	0	1	1
XLOC_000721	0.108325	0.00010374	-10.0282	0.947428	1
D630023F18Rik_j2	0.0892404	0.0179672	-2.31233	0.372287	1
1110028C15Rik	1.27814	1.29244	0.0160543	0.933691	0.97986
Tns1_j1	0.0881105	0	0	1	1
Tmbim1_j5	0.0591095	0.00758554	-2.96207	0.0693095	1
Tmbim1_j6	0.0645164	0 -1.79769e+308		0.0004654	1
Zfp142_j1	0.535966	0.453709	0	1	1
Rnf25	11.5014	14.0958	0	1	1
XLOC_000751	0.231386	0.0776018	-1.57614	0.0819235	0.348742
Ptprn_j5	22.6376	31.2112	0	1	1
Dnpep_j2	5.84304	8.48222	0	1	1
Epha4_j2	0.0720523	0.0302149	-1.25378	0.270577	1
Scg2_j3	73.8121	70.9677	0	1	1
Wdfy1_j2	0.423712	0.427204	0	1	1
Cul3_j1	13.2895	11.8999	0	1	1
Col4a4_j4	0.249129	0.162809	-0.613713	0.549167	0.814518
Slc19a3_j1	0.360232	0 -1.79769e+308		3.60E-11	4.02E-09
Sphkap	3.41476	2.99809	0	1	1
Pid1_j1	1.20881	1.74685	0.531162	0.05517	0.274103

Dner_j1	15.2834	15.0598	-0.0212687	0.870541	0.958726
Trip12_j10	1.26437	2.50345	0	1	1
Trip12_j11	0.491715	0.289309	0	1	1
Trip12	0.92875	0.633735	0	1	1
Slc16a14_j2	0.25521	0.0662663	0	1	1
Slc16a14	0.182298	0.317712	0	1	1
Ncl_j2	0.0945634	0 -1.79769e+308		0.0059939	1
Ecel1_j11	0.496953	1.00717	1.01913	0.0001581	0.0031503
Ecel1_j14	0.070257	0.160563	1.19243	0.227808	0.574936
Usp40_j2	2.00094	2.17561	0.120744	0.433138	0.744598
Hjurp_j6	0.29789	0.246664	-0.272233	0.77179	0.922479
Hjurp_j7	0.690095	0.518626	-0.412101	0.41812	0.735013
Hjurp_j3	5.2266	4.37622	-0.256188	0.07812	0.338615
Col6a3_j1	1.91378	2.50409	0.387855	0.015433	0.117303
Col6a3_j2	0.115539	0.0276497	-2.06304	0.0107342	1
Col6a3_j3	0.164683	0.16129	-0.0300328	0.937214	0.980745
Ilkap_j1	2.486	2.35793	-0.0763068	0.807277	0.936458
Ilkap_j2	0.0958886	0 -1.79769e+308		0.0440979	1
Ilkap_j3	0.0572115	0 -1.79769e+308		0.0883794	1
Per2_j2	1.16244	0.68557	-0.761784	0.0297696	0.184748
Per2_j4	0.198288	0.0137842	-3.8465	0.0138019	0.108424
Per2_j5	0.145822	0.216775	0.571985	0.277702	0.626567
Per2	0.585282	0.538409	-0.120431	0.640605	0.861179
Hdac4_j8	0.203449	0	0	1	1
AK017177_j1	0.105017	0 -1.79769e+308		0.0048449	1
Kif1a_j4	41.7634	39.8195	0	1	1
Kif1a	0.00851865	17.4514	0	1	1
Hdlbp_j1	3.41576	4.78576	0	1	1
Ppip5k2_j7	0.207466	0.21507	0	1	1
Pam_j2	15.4182	20.1052	0	1	1
Pam_j1	19.634	17.2181	0	1	1
Pign_j10	0	0.181076 1.79769e+308		4.57E-05	0.0011052
Pign_j9	0.127591	0.0224689	-2.50553	0.0262622	1
Cdh19_j6	0.528509	0.414775	-0.349597	0.374349	0.707086
Dsel_j5	0.875502	0.704064	-0.314404	0.359757	0.694997
XLOC_000841	0.196228	0.102003	-0.943914	0.269673	0.618744
Tsn_j1	5.32176	6.04507	0	1	1
Tsn_j3	5.07629	4.64412	0	1	1
Ralb_j3	1.68378	0	0	1	1
Ralb_j4	1.8463	1.23176	0	1	1
Epb4.115_j2	0.16727	0.121423	-0.462143	0.347412	0.686052
Epb4.115_j10	0.370584	0.206093	-0.846506	0.128492	0.446769
Epb4.115	0.0482394	0 -1.79769e+308		0.0437447	1
Epb4.115	0.0156884	0.106074	2.7573	0.090714	1
Ptpn4_j4	0.0812573	0	0	1	1
Ptpn4_j6	0.207525	1.97E-05	0	1	1
Tmem177_j1	1.26202	1.54925	0.295842	0.375373	0.707705

Dbi_j1	170.206	224.286	0.39806	4.90E-05	0.0011743
Ddx18_j12	0.660597	0.653494	-0.0155973	0.980108	0.994006
Dpp10_j1	23.1703	15.169	0	1	1
Actr3_j2	28.6984	23.6406	-0.279707	1	1
Actr3_j1	1.15745	0.817489	-0.501679	1	1
Zranb3_j2	0.0502922	0 -1.79769e+308		0.0097208	1
Zranb3_j3	0.124123	0.181421	0.547564	0.35257	0.689448
Mcm6_j1	1.30286	1.60954	0	1	1
Cd55_j2	0.173624	0 -1.79769e+308		0.0002596	0.0047621
Pfkfb2_j5	1.94858	1.25793	0	1	1
Srgap2_j4	3.42566	3.89354	0	1	1
Nfasc_j1	0.819543	0.707362	0	1	1
Lax1_j1	0.0884945	0.0877713	-0.0118383	0.989242	1
Atp2b4_j7	0	0.199089	0	1	1
Adora1_j5	2.45848	4.18373	0	1	1
Ppfia4_j5	1.19751	2.59094	0	1	1
Tmem183a_j4	2.11056	2.46182	0	1	1
Ppp1r12b	1.87598	1.36928	0	1	1
Rnpep_j3	9.76983	10.4798	0.101208	0.410431	0.730298
Shisa4_j8	8.94114	6.48314	0	1	1
Ipo9_j4	1.96793	1.94963	0	1	1
Nav1_j3	2.33537	1.87304	0	1	1
Nav1_j4	4.33598	4.26447	0	1	1
Camsap1l1_j6	0.145736	0	0	1	1
9230116N13Rik_j1	0.141829	0.000900948	-7.29849	0.839885	0.949215
Ptprc	0.434284	0.849114	0.967318	0.0001123	0.0023736
Cfh_j1	1.72154	1.868	0	1	1
Gm15443	2.07691	1.78701	-0.216891	0.393572	0.719561
Pla2g4a	0.248949	1.74E-05	-13.8013	0.97648	0.993154
Hmcn1_j5	0.111653	0 -1.79769e+308		1.60E-07	1
Hmcn1_j9	0.0852322	0 -1.79769e+308		3.33E-05	1
ENSMUSG00000073540_j2	4.40766	7.09199	0	1	1
Rgl1_j6	2.54631	1.74432	0	1	1
Smg7_j4	0.524745	1.69546	0	1	1
Lamc2_j5	0.0609453	2.99E-05	-10.9948	0.956363	1
AK029630_j1	0.201868	0.117229	-0.784086	0.0794073	0.342156
Cacna1e_j2	0.108929	0.0263266	-2.0488	0.0176135	1
Cacna1e_j3	0.281969	0.0988829	-1.51174	0.0004927	0.0080412
BC034090_j9	0.0390147	0.0495457	0.344741	0.755711	1
Qsox1_j3	6.65511	7.05879	0.0849579	0.636613	0.859179
Cep350	0.389366	0.379978	0	1	1
Fam163a_j3	0.0693431	0.0735329	0.084637	0.927528	1
Fam163a	0.126118	0.159073	0.334919	0.585277	0.833935
XLOC_000964	0.101711	0.120986	0.250361	0.767868	1
Rasal2_j2	0.122136	0 -1.79769e+308		9.13E-08	1
Rasal2_j4	0.000695594	0.391372	9.13608	0.0281203	0.177947
Pappa2_j4	0.113877	0	0	1	1

Rabgap1l_j2	2.10819	1.02889	-1.03492	2.49E-08	1.60E-06
Zbtb37_j1	0.998823	0.850013	-0.232744	0.195533	0.537978
Dars2_j3	0.979937	0.614252	0	1	1
Al848100_j8	0.51375	0.185609	0	1	1
Fmo4	0.122076	5.74E-06	-14.3751	0.992485	1
Fmo1_j2	6.33934	5.58291	0	1	1
Fmo1_j1	4.07108	3.23125	0	1	1
Prrx1	0.127912	0.0679016	-0.913635	0.216869	1
Prrx1	0.0797421	0.190571	1.25692	0.0300358	0.185903
Gorab_j1	2.27509	2.30458	0	1	1
Blzf1	4.08799	4.74989	0	1	1
Atp1b1_j5	1.39882	1.23352	0	1	1
Mpz1_j2	3.84463	4.34275	0	1	1
Pou2f1	0.147221	0.152684	0.0525717	0.932758	0.979616
Mael	0.193184	0 -1.79769e+308		8.20E-06	0.00026
Uck2_j4	10.6129	16.5763	0	1	1
Rgs4_j5	24.3014	39.2988	0	1	1
Uap1_j2	4.77919	6.02066	0	1	1
Atf6_j3	0.55771	0.359533	0	1	1
Fcrlb_j1	0.263416	0.132042	-0.99635	0.243376	0.590641
Pcp4l1_j2	67.7702	54.4496	0	1	1
Tomm40l_j1	11.9837	10.5702	0	1	1
Ndufs2_j2	21.7475	22.4759	0	1	1
Ufc1	20.2035	20.1161	-0.00625302	0.958566	0.988071
Ly9_j5	0.0529283	0 -1.79769e+308		0.0279644	1
Ly9_j4	0.0511485	0 -1.79769e+308		0.0343651	1
Kcnj9_j1	0.0551665	0 -1.79769e+308		0.0184668	1
Slamf8_j1	0.103102	0 -1.79769e+308		0.023961	1
Cadm3_j3	0.725214	0.722529	0	1	1
Gm16340_j1	0.466382	0.318245	-0.551374	0.0831378	0.351364
Gm16340_j3	0.14108	0.0467769	-1.59264	0.122929	0.436491
Rgs7_j2	0.511678	0	0	1	1
Rgs7_j3	0.733653	0	0	1	1
Rgs7_j4	6.45516	5.68338	0	1	1
Opn3_j1	1.73841	1.93864	0.157281	0.628219	0.855241
XLOC_001063	0.152472	0.110968	-0.458407	0.590397	0.836589
Pld5	3.03877	2.47258	0	1	1
Pld5_j1	0.0830923	0.0726753	0	1	1
Cep170_j6	7.47891	8.53852	0	1	1
Cep170_j7	0.704856	0.638044	0	1	1
Akt3_j4	3.61177	2.06301	0	1	1
Akt3_j5	0.252266	0	0	1	1
Akt3_j6	5.28241	2.87734	0	1	1
Hnrnpu_j5	5.09717	9.25279	0.860194	8.10E-08	4.47E-06
Smyd3_j6	2.38706	2.7298	0.193563	0.167585	0.504088
Ahctf1_j1	0.0761519	0.0212291	-1.84283	0.0641892	1
Psen2_j1	13.7045	12.6079	0	1	1

H3f3a	28.7203	29.5825	0.0426734	0.707819	0.893525
Ephx1_j1	20.2887	17.0063	0	1	1
Enah_j2	1.10787	1.30175	0.232665	0.177796	0.517223
Enah_j3	0.119735	0 -1.79769e+308		6.25E-09	1
Capn2	1.43541	1.14598	0	1	1
Capn2_j7	0.707614	0	0	1	1
Tgfb2_j6	0.0712242	0 -1.79769e+308		0.0066312	1
Rrp15_j1	1.58354	1.2321	-0.362034	0.424332	0.739743
Kctd3_j1	0.451117	0.40376	-0.160003	0.718942	0.898913
Kcnk2_j1	0.333061	0.478318	0.522183	0.187282	0.528229
Vash2	0.183378	0.458409	0	1	1
Mfsd7b_j3	0.249617	0.110031	0	1	1
Atf3_j2	2.23054	24.7874	0	1	1
Ppp2r5a_j6	0.590752	0.489319	-0.271779	0.529228	0.802396
Rcor3_j6	1.44238	1.8454	0	1	1
Sertad4_j4	0.752216	0.0515651	0	1	1
XLOC_001127	0	0.0832615 1.79769e+308		0.0596014	1
XLOC_001127	0.0886831	0 -1.79769e+308		0.0165845	1
AA408296_j4	0.208218	0.252876	0.280337	0.512622	0.792284
AA408296_j3	0.114083	0 -1.79769e+308		3.01E-05	1
G0s2	7.20834	6.18586	-0.220692	0.2581	0.606703
XLOC_001132	0.44025	0.277817	-0.664189	0.482957	0.77583
XLOC_001132	0.0969724	0 -1.79769e+308		0.0464947	1
XLOC_001132	0.192854	0.0840942	-1.19743	0.175514	0.514043
CD46_j4	0.307049	0.167249	-0.876469	0.0666954	0.308554
Tcea1_j8	0.108054	0.0512539	-1.07602	0.579129	1
Tcea1_j7	0.529475	0.692738	0.387747	0.399009	0.72264
Atp6v1h	36.3105	39.6263	0	1	1
Rb1cc1_j2	0.653509	0.495627	-0.398952	0.364137	0.698291
Sgk3	0	0.545336	0	1	1
Prex2_j7	0.186733	0.252557	0.435636	0.221277	0.568372
Prex2_j11	1.23966	1.15141	-0.106549	0.564123	0.823141
Sulf1_j2	0.991689	0.866139	0	1	1
Crispld1	0	0.0692427 1.79769e+308		0.029951	1
Paqr8_j2	8.15028	6.57762	0	1	1
AK188812_j2	1.04054	1.633	0.650197	0.257986	0.606629
Rab23_j2	0.00147875	0.23489	0	1	1
Fam123c_j2	0.000143522	2.84571	0	1	1
XLOC_000049	0.0676069	0.160405	0	1	1
Hs6st1_j2	18.8419	19.0528	0	1	1
Cnnm4_j3	2.62911	2.46501	0	1	1
Zap70_j1	0	0.0573464 1.79769e+308		0.179558	1
XLOC_000058	0.0724201	0.175671	1.27841	0.258846	0.607577
Inpp4a_j7	2.37395	2.03025	0	1	1
Inpp4a_j9	7.04447	6.2997	0	1	1
Npas2_j1	1.54E-05	0.403229	14.6773	0.963915	0.989793
Npas2	0.0203616	0.148976	2.87116	0.0129148	1

Rpl31_j2	0	0.611954	1.79769e+308	3.02E-05	0.0007781	
Rpl31_j1	0.326259	0.541374		0.730607	0.176217	0.514862
Map4k4_j2	7.54314	7.92765		0.0717274	0.513866	0.793006
Map4k4_j8	11.1586	14.0075		0.328033	0.0009007	0.0131748
Il1r1_j1	0.000243254	0.21134		0	1	1
Slc9a2_j1	0.0313318	0.144227		2.20265	0.0759558	1
Gpr45_j1	2.98861	2.53063		0	1	1
Nck2_j1	0.472352	1.1171		1.24183	0.0002584	0.0047476
Bivm_j1	0.145906	0.124488		0	1	1
Bivm_j4	0.509284	0.244019		0	1	1
Ercc5_j4	0.156075	1.32664		0	1	1
Dnahc7b_j1	0.108367	0.175205		0.693118	0.451496	0.756717
Dnahc7b_j3	0.243929	0.257755		0.0795374	0.906566	0.970402
XLOC_000093	0.109057	0.269209		1.30364	0.166254	0.502849
XLOC_000093	0.203506	0.194998		-0.0616144	0.933078	0.979673
Tmeff2_j3	1.93326	3.05054		0	1	1
Tmeff2_j7	22.6165	24.308		0	1	1
Tmeff2_j8	9.67653	8.59793		0	1	1
Sdpr	1.27557	1.0915		0	1	1
XLOC_000097	0.0849241	0.0382783		-1.14965	0.421678	1
Stat1_j7	0	0.0665553		0	1	1
Stat1	0.159653	0.0891558		0	1	1
Osgepl1_j1	2.31138	2.57561		0.156159	0.540559	0.808873
Hspe1_j2	4.70855	4.74165		0.0101053	0.946958	0.98431
Mobkl3_j1	1.31861	1.41012		0.0968005	0.855035	0.954109
1700066M21Rik_j2	4.34814	3.60396		0	1	1
Spats2l_j6	0.349934	0.301807		-0.213455	0.752541	0.914477
Spats2l_j9	0.46471	0.397008		-0.227163	0.699751	0.889447
Aox1_j6	0.608012	1.39028		1.1932	7.68E-05	0.0017118
Nif3l1_j3	6.3599	6.53139		0	1	1
Cflar_j7	0.0874021	0.246016		1.49301	0.0020913	0.0259045
Fam117b_j3	5.62305	6.93517		0	1	1
Nbeal1	0.120267	0.122684		0.0287146	0.939083	1
Nbeal1_j1	0	0.0659374	1.79769e+308		0.0001837	1
Cyp20a1_j2	0	0.105079	1.79769e+308		0.125365	1
Cyp20a1_j3	0.151169	0.426857		1.4976	0.0543527	0.271922
Pth2r_j2	0	0.0561154	1.79769e+308		0.10532	1
Mtap2_j2	0.273093	0.235158		-0.215765	0.583943	0.833209
Mtap2_j8	0.00674473	0.232676		5.10842	0.0004128	0.0069439
Mtap2_j11	0.310509	0.259318		-0.259913	0.508225	0.790152
Unc80_j5	0.885077	0.538228		0	1	1
AK084284_j2	0	0.0893719	1.79769e+308		0.0319959	1
Igfbp2_j1	0	0.255923	1.79769e+308		0.0380396	0.216694
Arcp2_j1	0	0.43526	1.79769e+308		0.0104145	0.0881213
Slc11a1_j5	0	0.122666	1.79769e+308		0.0374348	1
Stk36_j8	0	0.0637766	1.79769e+308		0.015645	1
Stk36_j6	0	0.0740464	1.79769e+308		0.0103686	1

Stk36	0.201103	0.277491	0.464511	0.350675	0.687982
Ttll4	0.157543	0.257947	0.711325	0.0521934	0.265207
Ttll4_j1	0.235405	0.247152	0.0702556	0.826593	0.944121
XLOC_000177	0	0.0977707	1.79769e+308	0.049775	1
Speg_j11	0.729255	0.536244	-0.443534	0.194826	0.537206
Speg_j13	1.22234	1.29299	0.0810618	0.623333	0.852781
Gmppa	5.71397	5.14043	0	1	1
Accn4_j1	0.0659107	0.0321671	-1.03493	0.428942	1
Stk11ip_j1	0.193265	0.422524	1.12845	0.0218405	0.149749
Slc4a3_j9	0.579719	0.53659	0	1	1
Sgpp2	43.1707	31.0937	-0.47343	7.23E-08	4.08E-06
9430031J16Rik	1.5759	1.13445	-0.474173	0.0150211	0.115071
Rhbdd1_j2	0	0.797446	1.79769e+308	1.38E-08	9.41E-07
Agfg1_j7	3.44422	2.55092	-0.433163	0.0029508	0.034017
Agfg1_j9	3.05493	5.24103	0.778711	2.16E-09	1.71E-07
Sp100_j3	0.179903	0.174763	-0.0418228	0.946354	0.984036
Sp100_j4	0.175857	0.400061	1.18582	0.0193093	0.137521
Ptma_j1	0.135882	0.245794	0.855098	0.179651	0.519346
Cops7b_j1	0.146761	0.10812	0	1	1
AK006434_j1	0.0531523	0.0645257	0.279743	0.862271	1
AK006434_j2	0	0.147657	1.79769e+308	0.0198349	1
Efhd1_j1	0.280598	0.81094	1.53109	0.003219	0.0364931
Inpp5d_j3	0.0281739	0.0544948	0.951761	0.40165	1
Atg16l1_j2	0.00792963	0.658668	0	1	1
Heatr7b1_j1	0	0.110738	1.79769e+308	0.0004455	1
Trpm8_j4	0	0.440535	0	1	1
Agap1_j3	0	0.0730114	0	1	1
Agap1_j5	0.273696	0.316142	0	1	1
Ube2f_j5	0.327093	0.367005	0.1661	0.485671	0.777216
Scly_j1	0.704485	0.986899	0.486334	0.306054	0.651424
Traf3ip1	0.621001	0.612644	-0.019548	0.959533	0.988456
Rnpepl1_j1	0	0.15651	0	1	1
Rnpepl1_j2	0.804172	2.69471	0	1	1
Capn10_j3	9.49116	9.51539	0.00367785	0.975547	0.992893
Sned1_j1	0.514102	0.636817	0.308824	0.0911727	0.371149
Ppp1r7_j2	0	0.359197	0	1	1
AK144617_j2	0.0822005	0.139035	0.758226	0.538706	1
Cntnap5b_j5	0.268549	0.226102	-0.248209	0.480992	0.774691
Cdh20_j1	0.14214	0.145736	0.0360481	0.955025	0.987084
AK039635	0.10422	0.140369	0.429587	0.740057	1
2310035C23Rik_j3	1.62628	1.35123	-0.267306	0.254658	0.602888
Tnfrsf11a_j2	0.813495	0.572602	0	1	1
Phlpp1_j1	3.35692	3.10492	-0.112583	0.533027	0.804768
Serpinb5_j1	0.0360553	0.286002	2.98774	0.0043169	0.0454931
Serpinb5_j4	0	0.259817	1.79769e+308	0.0004282	0.0071557
Serpinb12_j2	0.0722306	0.101317	0.488193	0.70549	1
Cntnap5a_j4	0.285039	0.604251	1.08399	0.185516	0.525826

Cntnap5a_j5	0.63499	0.970726	0.61233	0.000763	0.0115254
Tmem185b	2.02188	2.81575	0.477818	0.0174038	0.127817
C1ql2	0.106297	0.366841	1.78705	0.0001665	0.0032946
R3hdm1_j1	1.17053	2.44082	0	1	1
R3hdm1	2.76451	2.4672	0	1	1
R3hdm1_j10	1.15083	1.64067	0	1	1
Eif2d_j1	8.56035	8.75174	0	1	1
Eif2d	1.16718	1.00388	0	1	1
Klhdc8a_j2	10.8574	9.17789	-0.24244	0.101952	0.395654
Plekha6_j1	10.0919	8.24427	-0.29174	0.0125273	0.101335
Etnk2_j1	0.0624977	0.104478	0.741324	0.384434	1
Kdm5b_j2	0	0.155321	0	1	1
Arl8a_j1	1.72953	3.16796	0.873172	0.0269123	0.172876
Arl8a_j3	0.589367	1.15483	0.97044	0.200024	0.54322
Csrp1_j1	0	0.400118	0	1	1
Tnni1_j2	0.0302979	0.101382	1.74252	0.34128	1
Dennd1b_j6	0	0.109764	1.79769e+308	0.0005736	1
Kcnt2_j3	0	0.164356	1.79769e+308	0.0001004	0.0021626
Kcnt2_j7	0.131585	0.198456	0.592827	0.387822	0.715426
Kcnt2_j10	0.31758	0.207878	-0.611384	0.275638	0.624585
Glrx2	12.2763	10.7865	-0.186652	0.455588	0.759324
Uchl5_j3	8.72736	9.58924	0	1	1
Ivns1abp_j1	15.5353	18.1866	0.227324	0.0393038	0.221389
XLOC_000376	0.100559	0.239971	1.25482	0.0120549	0.0985281
Arpc5_j1	0	2.58741	1.79769e+308	3.41E-05	0.000863
Rnasel_j2	0.166105	0.358841	0	1	1
Rnasel_j3	0.363187	0.272721	0	1	1
Glul_j1	0.387981	0.525888	0	1	1
XLOC_000387	0.123541	0.123441	-0.00116661	0.998708	1
Abl2_j1	0.548712	0.73542	0.422519	0.043175	0.235781
Sec16b_j6	0.0929743	0.0916887	-0.0200893	0.983606	1
Sec16b_j11	0.159867	0.202125	0.338378	0.634737	0.858242
Rfwd2_j4	0.269357	1.50225	2.47953	0.0312778	0.190899
Rfwd2_j9	0.0977722	0.117553	0.265815	0.824687	1
Tnr	0.0721888	0.241819	1.74408	6.77E-06	0.0002212
Tnr_j2	0.0924994	0.0605323	-0.611738	0.252807	1
4930523C07Rik_j1	0.0431635	0.0971512	1.17042	0.405115	1
4930523C07Rik_j3	0.0278596	0.117101	2.0715	0.204777	1
Rc3h1_j2	1.81333	2.71075	0	1	1
Gas5_j3	25.0901	29.9302	0.254481	0.116396	0.424447
Ankrd45_j6	0.334772	1.13884	0	1	1
Scyl3_j2	0	0.412082	0	1	1
Scyl3_j9	1.99316	1.76532	0	1	1
AK042927_j4	0	0.112004	1.79769e+308	0.086694	1
Ildr2	0.109196	0.121083	0.149078	0.771963	1
Ildr2_j4	0.893956	2.10947	1.23861	2.11E-14	3.86E-12
1700009P17Rik_j6	0.159874	0.238467	0	1	1

Dedd_j1	1.90061	1.9776	0	1	1
Arhgap30	0.141438	0.332653	1.23385	0.0029759	0.034249
F11r_j1	1.67889	2.11025	0	1	1
Cd84	6.96E-06	0.178667	14.6479	0.990377	0.997044
Igsf8_j3	5.8561	14.5587	1.31387	0	0
Tagln2_j1	0.960094	1.60073	0.737485	0.182759	0.523227
Aim2_j2	0	0.0651108	1.79769e+308	0.0591525	1
Pyhin1	0.0734265	0.243789	1.73126	0.0026914	0.031679
EG545391_j4	0.189597	0.164768	-0.202498	0.746601	0.911752
Pppde1	0.86468	0.73605	0	1	1
Kif26b	0.261612	0.197183	0	1	1
Cnst_j3	0.0587868	0.0778478	0.405165	0.72457	1
Itpkb_j2	0.0104408	0.317528	0	1	1
Itpkb_j8	0	0.806243	0	1	1
XLOC_000496	0	0.0598445	1.79769e+308	0.119861	1
Lefty1_j1	0	0.0640396	1.79769e+308	0.113528	1
Tmem63a_j1	0.856245	0.727425	0	1	1
XLOC_000504	0.100158	0.199876	0.99682	0.446428	0.753343
Cnih3_j4	0.502527	0.295921	-0.76399	0.235293	0.58252
XLOC_000505	0.0843121	0.105963	0.32975	0.596131	1
XLOC_000509	0.0747575	0.236348	1.66062	0.22835	0.575412
Tlr5	0.0663509	0.237397	1.83912	0.0129422	0.103727
XLOC_000515	0	0.0544862	1.79769e+308	0.11503	1
XLOC_000516	0.0286427	0.0752963	1.39441	0.422995	1
XLOC_000517	0.10151	0.16606	0.710088	0.357686	0.693526
Eprs_j3	10.1152	8.17467	0	1	1
AK020767	0.0320743	0.11026	1.78141	0.266871	1
AK021325_j1	2.32977	1.73966	-0.421383	0.0136327	0.107458
AK021325_j3	0.309016	0.288096	-0.10113	0.815444	0.939924
Lpgat1_j1	0.781705	0.570102	0	1	1
Lpgat1_j2	0	0.118741	0	1	1
Irf6_j1	0.915354	0.889074	0	1	1
Lamb3_j5	0	0.0768821	1.79769e+308	0.0141379	1
Lamb3_j4	0.17939	0.188917	0.0746544	0.875189	0.960239
XLOC_000548	5.99E-05	0.166914	11.444	1	1
A330023F24Rik_j1	0.059405	0.114241	0.943426	0.180564	1
A330023F24Rik_j6	0.0582507	0	-1.79769e+308	0.0016957	1
Sox17_j5	0.472829	1.0245	1.11552	0.0025456	0.0302697
Sox17_j6	0.184944	0.197392	0.0939695	0.881295	0.962323
AK142999_j1	0.136956	0.469925	1.77872	0.0548976	0.273277
Sntg1_j4	0.222049	0.386248	0.798653	0.125751	0.441571
Sntg1_j6	0.333779	0.0422722	-2.98111	0.0205331	0.14351
2610203C22Rik_j1	0.0459373	0.206336	2.16726	0.0189692	0.135954
Slco5a1	0.667982	0.318734	-1.06746	0.0002544	0.0046833
Ncoa2_j4	0.567713	1.20948	0	1	1
Ube2w_j3	9.31641	10.8344	0.217775	0.462583	0.763368
Pkhd1_j1	0	0.0513371	1.79769e+308	0.119316	1

Mcm3_j1	0.149621	0.230483	0.623344	0.281493	0.629909
Tram2_j2	0.0118872	0.0806871	2.76293	0.337327	1
Tram2_j3	0.0892949	0.0329019	-1.44041	0.431214	1
Kcnq5_j6	0.978144	1.20905	0	1	1
Rims1_j3	2.65941	2.15232	0	1	1
Rims1_j4	1.44115	1.63374	0	1	1
Rims1_j24	0.689409	0.673925	-0.0327721	0.924113	0.976334
Smap1_j2	4.53801	3.93913	0	1	1
Fam135a_j5	0.402375	0.300763	-0.419913	0.243428	0.590641
Fam135a_j1	0	0.428816	1.79769e+308	7.91E-08	4.38E-06
Bai3_j3	0.263821	0.182572	0	1	1
Phf3_j5	0.512028	0.934847	0	1	1
XLOC_000617	5.49154	4.75798	-0.206863	0.262287	0.611355
Prim2_j2	0	0.562337	1.79769e+308	0.0041679	0.0441903
XLOC_000619	0.0595482	0.0538825	-0.144243	0.937699	1
Ccdc115	0.126283	0.207579	0	1	1
Fam168b_j1	0	1.31181	0	1	1
Fam168b	5.55896	6.05101	0	1	1
Uggt1_j6	0.433358	1.41578	0	1	1
Neurl3_j4	0	0.166269	1.79769e+308	0.0060685	0.0590832
Kiaa1310	6.63845	8.91252	0	1	1
Lman2l_j2	0.204784	0.108339	-0.918547	0.0879794	0.36319
Ankrd23_j3	0.452888	1.07017	1.24061	4.63E-05	0.0011187
Ankrd39_j1	0.864218	0.877423	0.0218772	0.941504	0.982178
Sema4c_j1	0	0.386436	0	1	1
Sema4c_j2	1.2041	1.48055	0	1	1
Actr1b_j3	29.1371	43.2539	0	1	1
Mgat4a_j1	1.06955	0.460202	0	1	1
Txndc9_j3	0.639104	0.611828	-0.0629252	0.827482	0.944495
Txndc9_j5	0.640152	0.565968	-0.177694	0.556894	0.819299
Txndc9_j6	2.09316	2.91402	0.477326	0.0426241	0.233479
Chst10_j2	0	0.0929192	0	1	1
Chst10_j3	0	0.0593307	0	1	1
Tbc1d8_j1	1.7321	1.75544	0.0193138	0.922807	0.975936
AK041998_j4	0.0274477	0.173425	2.65956	0.111795	0.416168
Uxs1_j1	0.0597899	0.0268049	0	1	1
Uxs1	1.70517	1.83767	0	1	1
1700029F09Rik_j3	0.738926	1.57034	1.08757	1	1
Kdelc1_j2	1.33992	1.82976	0	1	1
Slc40a1_j1	0	0.146894	1.79769e+308	0.0045826	1
Myo1b_j3	2.72693	2.73974	0	1	1
Mfsd6_j4	3.82086	3.30716	0	1	1
Inpp1_j2	2.53093	3.73762	0	1	1
1700019D03Rik	0.319773	0.256672	-0.317119	0.479138	0.77352
1700019D03Rik_j2	0.233485	0.0916701	-1.34881	0.058653	0.284695
1700019D03Rik_j1	0.312568	0.149361	-1.06537	0.0668949	0.309154
Pms1_j2	0.0376094	0.0768234	1.03045	0.342196	1

Pms1_j3	0.0438449	0.178591	2.02618	0.0182976	0.132527
Hecw2_j4	0	0.137737	0	1	1
Hspd1_j4	0	0.0695481	1.79769e+308	0.118996	1
Kctd18_j7	1.16137	1.82225	0.649891	0.0268554	0.172643
Clk1_j3	4.27472	3.70953	0	1	1
Fam126b_j4	0.737253	0.902922	0.292442	0.175339	0.51373
Als2cr12_j1	0.693222	0.390786	-0.82694	0.0615384	0.293157
Als2cr12_j2	0.370133	0.398436	0.106304	0.8194	0.941524
Als2cr4	3.66184	5.50883	0	1	1
Als2_j4	3.12225	3.06253	-0.0278636	0.891275	0.965668
Ica1l_j5	1.09642	1.24595	0.184454	0.661338	0.871639
Klf7_j5	0	0.0653954	0	1	1
Fam119a_j1	0.711714	0.312609	-1.18694	0.0309544	0.189737
1110028C15Rik_j3	0.214016	0.260962	0.286124	0.482035	0.775384
Bard1_j5	0.0927223	0.0622688	-0.574407	0.618308	1
Fn1_j1	0.0822352	0.212368	1.36874	0.0125404	0.101407
Fn1	0.0790984	0.157678	0.995257	0.316186	0.659988
Tns1_j6	5.14998	5.24493	0	1	1
Tns1_j7	7.8359	6.71872	0	1	1
Aamp_j2	1.36222	1.79143	0.39515	0.162711	0.498068
Aamp_j1	12.242	12.373	0.0153645	0.904247	0.969463
Tmbim1_j7	12.4969	14.3589	0.200382	0.0571014	0.279957
Usp37_j7	0.985833	0.925356	0	1	1
Zfp142	0.20978	0.15906	0	1	1
Rnf25_j1	0.267849	0.35488	0	1	1
Atg9a_j7	0.431244	0.290619	0	1	1
Atg9a_j6	0.0268125	0.139817	0	1	1
Atg9a_j8	1.66311	1.30443	0	1	1
Atg9a	1.69611	1.43433	0	1	1
Tuba4a_j2	220.652	186.4	0	1	1
Ptprn_j4	9.02054	12.2399	0	1	1
Ptprn	41.6896	36.5345	0	1	1
Dnpep_j1	0.141019	0.424155	0	1	1
Obsl1_j4	3.9123	5.7448	0	1	1
Obsl1_j3	11.376	9.60015	0	1	1
Farsb	1.6077	1.98451	0.303789	0.30459	0.65004
Scg2_j4	0.135106	0.145939	0	1	1
Wdfy1_j5	0.75983	1.1473	0	1	1
Wdfy1_j6	0.521562	0.536304	0	1	1
Serpine2_j1	0	1.7304	1.79769e+308	1.44E-09	1.18E-07
Dock10_j4	0	0.228524	0	1	1
Col4a4_j1	0	0.0769016	1.79769e+308	0.0041415	1
Trip12_j1	1.95048	3.00126	0	1	1
Trip12_j3	0.126746	0.106484	0	1	1
Sp110_j7	0	0.144454	1.79769e+308	0.0689044	1
Ncl_j1	3.32691	6.12063	0.879499	6.75E-07	2.95E-05
Ecel1_j2	0	0.0981346	1.79769e+308	0.001122	1

Ecel1_j6	0.0838447	0.186461	1.15308	0.0728148	0.324707
Col6a3_j7	0.17449	0.130033	-0.424261	0.273359	0.622512
Per2_j3	0.0441884	0.403455	3.19067	0.0013716	0.0184243
Hdac4_j4	0	0.233511	0	1	1
Hdac4_j5	0	0.172257	0	1	1
Kif1a_j1	69.5545	73.9847	0	1	1
Kif1a	32.3855	5.78971	0	1	1
Kif1a_j2	36.1605	11.2921	0	1	1
Pask_j4	0.0687232	0.11688	0.766164	0.214537	1
Hdlbp_j4	1.69195	1.12308	0	1	1
Hdlbp_j5	0.723318	0.980642	0	1	1
Stk25_j1	10.6406	15.6601	0	1	1
Dtymk_j3	0.859514	0.933891	0.119734	0.804036	0.935022
Ppip5k2_j5	2.10566	1.19099	0	1	1
Pam_j4	0	0.270702	0	1	1
Pam_j5	0	0.257111	0	1	1
Pign_j7	0	0.0473117	1.79769e+308	0.021918	1
Vps4b_j1	27.1077	29.7312	0.133278	0.176905	0.515993
Cdh19_j8	0.607887	0.721315	0.246825	0.480098	0.77397
Dsel_j1	1.0948	1.60937	0.555823	0.026286	0.170196
XLOC_000841	0.17875	0.211287	0.241258	0.613825	0.847685
XLOC_000842	0.0968991	0.156397	0.690659	0.517366	1
XLOC_000842	0	0.132703	1.79769e+308	0.0504095	1
Epb4.115_j3	0.0189101	0.0768399	2.0227	0.0419653	1
Epb4.115_j11	0	0.0670568	1.79769e+308	0.0534079	1
Ptpn4_j1	0	0.212634	0	1	1
Ptpn4_j3	0.10998	0.0802804	0	1	1
Ptpn4_j2	0.482957	0.316599	0	1	1
Dbi_j2	24.3579	8.92468	-1.44852	2.34E-05	0.0006308
Dbi_j3	1.87865	2.15588	0.198577	0.694763	0.887421
Insig2_j3	6.82421	7.62668	0	1	1
AK043935_j1	0	0.0703678	1.79769e+308	0.209422	1
Actr3_j6	68.2937	73.5937	0.107828	0.253629	0.60179
Lypd1	0.115064	0.24844	1.11046	0.254128	0.602447
Lypd1_j2	0.693381	0.417085	-0.733309	0.208064	0.55225
Zranb3	0.342087	0.309931	-0.142418	0.712748	0.895927
Cd55_j4	1.39543	2.32665	0.737547	0.0295134	0.183696
Cd55_j6	0.0541333	0.0818981	0.597315	0.481231	1
Pfkfb2_j6	0.165955	0.0864464	0	1	1
Rassf5_j1	0.44407	0.527663	0	1	1
Cntn2_j5	0.298188	0.225093	0	1	1
Nfasc_j3	12.642	8.9872	0	1	1
Mdm4_j9	1.13749	0.965358	0	1	1
Sox13_j5	1.15494	1.00467	0	1	1
Sox13_j6	0	0.434044	0	1	1
Zc3h11a_j7	0	0.0468619	1.79769e+308	0.0158266	1
Zc3h11a_j8	4.62798	4.29856	-0.106527	0.436898	0.747343

Zc3h11a_j9	0	0.121726	1.79769e+308	0.0032	1
Atp2b4_j9	0.695656	1.94567	0	1	1
Adora1_j2	0.00215398	0.391745	0	1	1
Adora1_j3	7.1913	7.01893	0	1	1
Shisa4_j2	0.566752	2.27841	0	1	1
Shisa4_j7	17.5608	22.2973	0	1	1
Nav1_j8	0.274652	0.279464	0	1	1
Nav1_j7	0.672443	0.863256	0	1	1
Igfn1_j1	0.0304446	0.153508	2.33405	0.0133176	1
Igfn1_j2	0.02675	0.234331	3.13094	6.79E-05	0.0015487
Camsap1l1_j3	1.4685	0.897684	0	1	1
9230116N13Rik	0.0388302	0.159285	2.03636	0.129762	0.448694
Nr5a2_j1	0.000429477	0.131324	8.25633	0.918143	1
Hmcn1_j10	0.0328004	0.077315	1.23704	0.47659	1
XLOC_000935	0.420648	0.520737	0.307942	0.546034	0.812821
ENSMUSG00000073540_j5	24.6385	39.6724	0	1	1
XLOC_000940	0.0340775	0.0773811	1.18316	0.352979	1
Rgl1_j1	0.959929	0.877339	0	1	1
Dhx9_j3	0.32698	0.290237	0	1	1
AK044033_j1	0.166511	0.199806	0.262988	0.437917	0.747854
Cacna1e_j7	0.182555	0.682765	1.90306	1.91E-11	2.21E-09
BC034090_j10	0.251914	0.217474	-0.212091	0.688034	0.884086
BC034090_j11	0.407655	0.38753	-0.0730393	0.851115	0.95267
Xpr1_j3	0	0.14432	0	1	1
Cep350_j4	0	0.134589	0	1	1
Lap1B_j2	0	0.152982	1.79769e+308	0.0034616	1
Fam20b_j1	9.80503	10.8414	0	1	1
Ralgps2_j5	0	0.127829	0	1	1
Ralgps2_j6	0.725821	0.733526	0	1	1
Rasal2_j10	0.306488	0.26957	-0.185169	0.573468	0.827643
XLOC_000971	0.227862	0.200508	-0.184507	0.560367	0.821088
XLOC_000971	0.468337	0.381672	-0.295213	1	1
Pappa2_j2	0.301649	0.366607	0	1	1
Al848100_j2	4.21159	4.22745	0	1	1
Al848100_j4	0.114823	0.309739	0	1	1
Prcc2c_j4	0.498208	0.451709	0	1	1
Fmo4_j5	0.0781919	0.322242	2.04305	1	1
Fmo1_j5	2.98604	3.12344	0	1	1
Fmo2_j1	0.707786	0.708215	0	1	1
Fmo2_j2	0.139815	0.14447	0	1	1
Atp1b1_j2	0	24.1329	0	1	1
Pou2f1_j1	0	0.251095	1.79769e+308	2.18E-08	1.42E-06
Pou2f1_j2	1.11622	1.0024	-0.155172	0.34685	0.685763
Dusp27_j3	0	0.050618	1.79769e+308	0.0423419	1
Uck2_j1	0	0.298701	0	1	1
Uck2_j2	0.494646	2.92542	0	1	1
XLOC_001013	0.0406629	0.17719	0	1	1

Pbx1_j4	0.592666	1.44945	0	1	1
Rgs4_j8	121.941	124.42	0	1	1
Rgs4_j6	3.10238	2.05292	0	1	1
Rgs4_j7	0.78408	0.634557	0	1	1
Hsd17b7_j2	4.39332	7.94597	0	1	1
Ddr2_j2	0.503888	0.858128	0	1	1
Ddr2_j3	0.0548899	0.339842	0	1	1
Ddr2	0.185984	0.222703	0	1	1
Uhmk1_j2	0	0.527979	0	1	1
Atf6_j1	3.24768	3.45626	0	1	1
Sdhc_j2	15.9135	18.3677	0	1	1
Pcp4l1_j1	3.37876	2.46511	0	1	1
Ndufs2_j1	2.74071	4.58114	0	1	1
Ppox_j1	0.477082	0.552586	0.211961	0.382985	0.712839
Ufc1_j1	2.06238	3.74762	0.861662	0.014598	0.112662
Ly9_j2	0	0.0628312	1.79769e+308	0.149574	1
Ly9_j3	0	0.0741295	1.79769e+308	0.0476616	1
Slamf7_j1	0.0708098	0.228011	1.68708	0.0404075	0.225339
Vangl2_j2	0.000364929	0.0582174	7.31769	0.607297	1
Atp1a2_j1	15.1862	23.174	0	1	1
Gm4955_j1	0.0822549	0.201332	1.2914	0.0083348	0.0748143
AK145253_j3	0	0.0611697	1.79769e+308	0.0250815	1
AK145253_j5	0.0486536	0.0460955	-0.0779204	0.953227	1
Pydc4_j1	0.0911087	0.129141	0.503287	0.439068	1
Gm16340_j2	0.112737	0.322819	1.51776	1	1
Ifi203_j1	0.831496	0.99742	0.262493	0.227601	0.574755
Rgs7_j5	0	0.0809415	0	1	1
Rgs7_j6	0.463996	1.09503	0	1	1
Cep170_j14	1.21548	1.26881	0	1	1
Akt3_j1	5.52395	3.12491	0	1	1
AK046316_j1	0.379085	0.397187	0.0672966	0.904808	0.969711
AK046316	0.575883	0.602683	0.0656248	0.828051	0.944579
Smyd3_j7	0	0.0926029	1.79769e+308	0.196945	1
Tfb2m_j4	0.0750009	0.23016	1.61766	0.116308	0.424391
6330403A02Rik	0.137451	0.241808	0.814949	0.0285816	0.179849
6330403A02Rik_j2	0.161116	0.060375	-1.41607	0.221824	0.569027
Ephx1_j2	4.17438	2.68837	0	1	1
Nvl_j3	0.188824	0.159401	-0.244383	0.726604	0.903195
Capn2_j5	9.09946	7.53389	0	1	1
Capn2_j6	49.2044	52.4359	0	1	1
Tgfb2_j5	0	0.0519735	1.79769e+308	0.0637864	1
Kctd3	6.50852	7.8998	0.279487	0.0226407	0.153572
Kcnk2_j2	0	0.0766406	1.79769e+308	0.0368146	1
Rps6kc1_j3	4.35297	4.81404	0	1	1
Rps6kc1_j4	3.28971	3.57618	0	1	1
Vash2_j3	0.146011	0.585922	0	1	1
Tatdn3_j1	0.0452941	0.0683548	0.593719	0.491318	1

Tatdn3_j2	0.364906	0.325888	-0.163149	0.744713	0.910838
Atf3_j5	2.05228	54.9054	0	1	1
Ppp2r5a_j1	0.623166	0.789553	0.341419	0.257553	0.606306
1700034H15Rik_j1	0.300791	0.618366	1.0397	0.261382	0.610648
Hhat_j7	7.18E-05	0.4411	12.5857	0.945531	0.983787
Hhat_j8	0.00266836	0.242064	6.50329	0.14869	0.477528
Syt14_j3	0.632977	0.813345	0	1	1
Syt14_j2	0.159217	0.164627	0	1	1
AA408296_j1	0.670075	1.15188	0.781591	0.0074708	0.0691439
Traf3ip3_j1	0.299236	0.481663	0	1	1
Traf3ip3_j2	0.101217	0.187147	0.886727	0.239857	0.587219
XLOC_001132	0.174774	0.195275	0.160018	0.848658	0.952118
C030002c11rik_j1	0.134977	0.340347	1.33429	0.0220021	0.150539
Tcea1_j4	0.681623	0.651015	-0.0662831	0.868694	0.958389
Pcmdt1_j2	1.70253	3.82267	0	1	1
Sgk3_j2	1.21886	0.696899	0	1	1
6030422M02Rik_j4	6.16E-06	0.102885	14.0271	0.996139	1
Prex2_j4	0.0224348	0.0535759	1.25584	0.130997	1
A830018L16Rik	0.596682	0.310288	-0.943353	0.0978883	0.386642
XLOC_000017	0.0644924	0.137018	1.08716	0.180376	1
Sulf1_j3	0.63431	0.560175	0	1	1
Kcnb2_j4	0.680481	0.71614	0.0736866	0.838977	0.948659
XLOC_000023	0.263541	0.238914	-0.141531	0.769911	0.921534
Crispld1_j1	0	0.0518316	1.79769e+308	0.0329511	1
Efhc1_j1	0.450476	0.394839	-0.190187	0.717223	0.897961
Tmem14a	3.35724	2.44773	0	1	1
XLOC_000042	0.0621135	0.296497	2.25504	0.146727	0.475075
XLOC_000042	0.102908	0.138488	0.428412	0.569044	1
Rab23	1.0411	2.31032	0	1	1
Rab23_j5	0.863305	0.704596	0	1	1
Dst_j2	4.88985	4.35651	0	1	1
Dst_j15	41.3515	44.8639	0	1	1
Dst_j16	95.9502	106.543	0	1	1
Imp4_j2	0.10642	0.224867	0	1	1
mKIAA1112_j4	2.21277	1.47496	0	1	1
mKIAA1112_j5	6.74706	5.44947	0	1	1
Cox5b_j6	1.05698	2.08803	0.982193	0.0539673	0.270767
Zap70_j3	0.0188746	0.122879	2.70273	0.236242	1
Inpp4a_j5	0.727439	0.466665	0	1	1
Pdcl3_j1	16.8281	26.1643	0.636724	1.85E-05	0.0005195
Npas2_j2	0.10963	0.0920134	-0.252729	0.745578	1
Rpl31_j4	0.0505568	0	-1.79769e+308	0.117911	1
Rpl31_j3	0.0334546	0.183041	2.45189	0.174109	0.512143
Map4k4_j6	0	0.0826821	1.79769e+308	0.0230109	1
AI597479_j1	5.10484	5.20216	0	1	1
Tpp2_j2	0.117609	0.373439	0	1	1
Wdr75_j2	0.202166	0.374977	0	1	1

Tmeff2_j4	0	0.0830446	0	1	1
Sdpr_j1	0	0.167284	0	1	1
Stat1_j6	2.47322	1.75905	0	1	1
Stat1_j8	6.53721	6.36224	0	1	1
Tmem194b_j2	0.173737	0.361096	1.05548	0.0253532	0.165919
XLOC_000099	0.0319807	0.0819614	1.35774	0.358881	1
1700066M21Rik_j1	1.31306	0.920817	0	1	1
Spats2l_j2	0	0.109069	1.79769e+308	0.0685176	1
Aox1_j5	4.29048	2.03082	-1.07908	3.55E-08	2.18E-06
Aox1_j8	8.62937	8.94824	0.0523496	0.769416	0.921491
XLOC_000118	0.960092	0.784968	-0.29054	0.10907	0.410772
Bzw1_j3	2.89121	3.29287	0.187676	0.401937	0.725142
Nif3l1_j1	3.03219	3.11337	0	1	1
Cflar_j3	0.938737	0.53319	-0.816072	0.0009676	0.0139255
Casp8_j2	0.37028	0.592459	0.678099	0.241544	0.588627
Cdk15_j4	6.10121	6.17775	0.017986	0.916959	0.97399
XLOC_000126	0.584579	0.508966	-0.199828	0.483331	0.775959
Nbeal1_j4	0.333822	0.108833	-1.61697	7.61E-06	0.0002444
Nbeal1_j6	0.025793	0.0581214	1.17209	0.0780624	1
Pard3b_j2	0.0181214	0.0568555	1.6496	0.159318	1
Eef1b2_j2	22.6551	33.607	0	1	1
Eef1b2_j5	113.124	159.81	0	1	1
Pikfyve_j8	0.111174	0.229925	1.04834	0.0079448	0.0722008
Mtap2_j10	0.979265	1.38884	0.504104	0.004357	0.0457967
Unc80_j8	3.3146	2.05683	0	1	1
AK084284_j4	0.331942	0.22621	-0.55327	0.30692	0.652095
Igfbp2_j5	0.000150973	1.21186	12.9706	0.935872	0.98034
Slc11a1_j2	0.091561	0.224329	1.29281	0.280243	0.629039
Rqcd1_j1	1.75646	2.25698	0	1	1
Stk36_j5	0.131701	0.0682478	-0.948407	0.172246	1
Ttll4_j3	0	0.142176	1.79769e+308	0.0003135	1
Wnt10a_j1	0.0149242	0.133924	3.16569	0.178052	1
XLOC_000177	0.103809	0.110573	0.0910657	0.950383	1
XLOC_000177	0	0.053329	1.79769e+308	0.0728534	1
Fam134a_j1	0.216502	0.165214	-0.390047	0.55989	0.820916
Stk16_j2	5.26034	6.33827	0	1	1
Stk16_j1	5.67192	4.42503	0	1	1
Dnajb2_j2	0.153941	0.106251	-0.534894	0.566927	0.824799
Dnajb2_j4	0.23107	0.259138	0.165387	0.777217	0.924662
Speg_j9	1.41581	1.9136	0.434664	0.044319	0.24008
Accn4_j2	0.022337	0.11238	2.33088	0.227049	1
Slc4a3_j2	0.0538242	0.080566	0	1	1
Slc4a3_j10	2.47925	1.96359	0	1	1
Mogat1_j1	0.414455	0.241613	-0.77852	0.448276	0.754844
Mrpl44_j1	0.460473	1.98506	2.10799	6.43E-06	0.000211
Mff_j6	12.6006	17.5251	0	1	1
Agfg1_j4	5.92745	7.3089	0.302243	0.0603765	0.289539

Fbxo36	2.0065	1.9287	0	1	1
BC100303_j1	0.0312934	0.125777	2.00694	0.212138	1
Sp140_j1	0	0.0553117	1.79769e+308	0.165947	1
Sp100_j1	0.229344	0.318949	0.475809	0.327799	0.670398
Ptma_j5	93.3584	97.6197	0.0643918	0.489173	0.779521
Gigyf2_j1	0.821653	2.30559	0	1	1
Inpp5d_j2	0	0.0498556	1.79769e+308	0.031057	1
Trpm8_j2	0.0610677	0.108796	0	1	1
Sh3bp4_j3	0	0.291255	0	1	1
Agap1_j2	0.766624	0.999216	0	1	1
Agap1_j6	1.1026	0.966285	0	1	1
Gpc1_j3	29.7272	41.7184	0	1	1
XLOC_000248	0.13337	0.210227	0.656511	0.195715	0.538297
Gpr35	0	0.154594	0	1	1
Sned1_j2	0.459264	0.550293	0.260874	0.276927	0.625985
D2hgdh_j1	0.131453	0.27237	1.05102	0.396169	0.721006
Cdh20_j2	0.402062	0.366708	-0.132785	0.791287	0.930476
2310035C23Rik_j4	0.426254	0.238478	-0.837859	0.0797278	0.343104
Serpinb5_j7	0	0.303464	1.79769e+308	0.0241797	0.160549
Cntnap5a_j3	0.0459652	0.103232	1.16728	0.040885	1
Clasp1_j3	2.83573	2.85645	0	1	1
Ccdc93_j1	0	0.695153	0	1	1
Faim3_j2	0.0942911	0.599336	2.66817	0.0243357	0.16129
5430435G22Rik_j3	0	0.102488	1.79769e+308	0.0336575	1
Elk4_j4	1.51721	1.46461	0	1	1
Dstyk_j1	3.60244	3.46509	0	1	1
Lrrn2_j1	9.825	5.46225	0	1	1
Pik3c2b_j2	0.788086	0.809059	0.0378921	0.845278	0.951062
Fmod_j1	0.089256	0.204225	1.19414	0.119266	0.429649
Chi3l1_j4	0.595327	0.329199	-0.854722	0.322839	0.665895
Adipor1_j3	0.890946	0.64316	-0.47016	0.186985	0.527962
Kdm5b_j1	2.05111	3.54913	0	1	1
Csrp1_j2	23.0381	33.4701	0	1	1
Tnni1_j3	0.320958	0.767116	1.25706	0.125741	0.441571
Kif21b_j3	0.0529663	0.0370204	0	1	1
XLOC_000358	0.0498438	0.152522	1.61353	0.159746	1
Dennd1b_j1	9.34E-05	0.0926566	9.95402	0.712359	1
Aspm_j2	0	0.0492077	1.79769e+308	0.14192	1
Fam5c	0	0.626969	1.79769e+308	1.02E-07	5.50E-06
XLOC_000376	0	0.0507944	1.79769e+308	0.0732246	1
Glt25d2_j1	1.22661	1.56056	0	1	1
Ncf2_j2	0.0784618	0.116288	0.567639	0.741669	1
Ncf2_j3	3.97E-05	0.460303	13.5026	0.985246	0.995689
mKIAA0479_j3	20.5961	19.3663	-0.0888227	0.330692	0.672484
Rgs8_j3	1.77568	0.869232	0	1	1
Glul_j2	23.0726	37.7804	0	1	1
Tor1aip2_j4	0.769765	0.832047	0	1	1

BC026585_j2	0.0263869	0.11285	2.09651	0.133254	1
BC026585_j1	0	0.124477 1.79769e+308		0.0255933	1
Sec16b_j4	0	0.0865259 1.79769e+308		0.0566034	1
Sec16b_j12	0.119217	0.262467	1.13855	0.209737	0.554155
Astn1_j1	13.2835	13.8755	0.0629026	0.537994	0.807846
Rfwd2_j8	0.245351	0.289114	0.23679	0.797011	0.932581
Rfwd2_j15	9.60135	11.5656	0.268535	0.175961	0.514547
Ankrd45	3.71988	3.40029	0	1	1
Ankrd45_j8	0	0.182936	0	1	1
Vamp4_j2	15.4698	15.8887	0	1	1
Scyl3_j10	0.752817	1.24256	0	1	1
Slc19a2_j2	0.132438	0.395378	1.57791	0.0073656	0.0683912
AK042927_j1	0	0.0762908 1.79769e+308		0.0243378	1
AK042927_j5	0.0518394	0.0168173	-1.62411	0.371805	1
AK042927_j6	1.84E-05	0.077241	12.037	0.975654	1
XLOC_000430	0.0446528	0.260254	2.5431	0.0533101	0.268707
Ildr2_j2	0	0.0835468 1.79769e+308		0.0015377	1
Adamts4_j1	0.0400866	0.115815	0	1	1
XLOC_000454	0.517132	0.450598	-0.198691	0.35985	0.695038
Dedd_j2	6.9667	7.12888	0	1	1
Arhgap30_j1	0	0.062365 1.79769e+308		0.0164031	1
Usf1_j3	1.39691	1.83483	0	1	1
Usf1_j7	0.87212	1.05368	0	1	1
Copa_j4	26.8445	34.2543	0	1	1
Dcaf8_j1	45.0265	49.6319	0	1	1
Igsf9_j3	0	0.0705331 1.79769e+308		0.0393051	1
Aim2_j5	0	0.146557 1.79769e+308		0.0668395	1
Aim2_j8	0	0.095556 1.79769e+308		0.105624	1
Fmn2_j1	0	0.0666983 1.79769e+308		0.021106	1
Zfp238	0.485261	0.460018	0	1	1
Pppde1_j1	0.354246	0.238955	0	1	1
XLOC_000483	0.0673013	0.190366	1.50007	0.173801	0.511794
Cnst	6.2782	4.10567	-0.612734	3.24E-05	0.0008278
XLOC_000489	0.782132	0.680904	-0.19996	0.807711	0.936671
Itpkb_j5	0	0.0626622	0	1	1
XLOC_000496	0.225792	0.129619	-0.800717	0.461653	0.762954
XLOC_000496	0.0671635	0.100267	0.578091	0.554653	1
Tmem63a_j2	1.9616	1.96049	0	1	1
XLOC_000504	0.11186	0.130579	0.223234	0.677879	1
Cnih3_j1	0	0.164305 1.79769e+308		0.0096915	0.0837629
Srp9_j2	0	0.0669852 1.79769e+308		0.106925	1
XLOC_000517	0.00628187	0.0633603	3.33431	0.382107	1
Rab3gap2_j2	9.04293	8.2414	0	1	1
Rab3gap2_j1	4.5474	5.54603	0	1	1
Eprs_j6	0.0165289	0.0676419	0	1	1
nek2	0.197211	0.23809	0.271771	0.540391	0.808873
Gm10516_j2	1.23632	1.01223	0	1	1

Gm10516_j1	0.313307	0.328268	0	1	1
Kcnh1_j1	4.21178	4.88004	0	1	1
XLOC_000548	0	0.130542 1.79769e+308	0.0019641		1
XLOC_000548	0.0810346	0.162749	1.00604	0.108811	0.410359
A330023F24Rik_j5	0.429234	0.465433	0.11681	0.69798	0.888695
Mrpl15_j1	5.02538	5.08791	0.0178427	0.911782	0.972265
Mrpl15_j2	8.81394	10.5722	0.262419	0.243113	0.590533
Rgs20_j3	0.796687	1.431	0.844934	0.0003198	0.0056418
XLOC_000560	0.0298053	0.0911527	1.61272	0.409351	1
Sntg1_j7	0.127064	0.19239	0.598472	0.399039	0.722657
Mybl1_j1	0	0.0788604 1.79769e+308	0.0118701		1
Arfgef1_j2	13.893	16.0235	0	1	1
Slco5a1_j4	0.228177	0.159717	-0.514641	0.211796	0.556596
Ncoa2_j2	0.857102	0.666095	0	1	1
Ncoa2_j3	0.338936	0.371578	0	1	1
Msc_j1	1.95406	1.97633	0.0163492	0.955038	0.987084
AK015384_j1	0.0565247	0.200741	1.82838	0.185151	0.525341
Rpl7_j5	9.16342	13.0554	0.510687	0.0132182	0.105281
Rpl7_j8	3.9854	2.35561	-0.758622	0.0041343	0.043977
Stau2_j2	6.80796	10.6567	0	1	1
Gm5828	3.27309	3.20939	-0.0283513	0.855816	0.95442
XLOC_000594	0.137634	0.284409	1.04713	0.16329	0.498618
Tram2_j5	0	0.110047 1.79769e+308	0.0582753		1
Kcnq5_j4	0.901273	0.234518	0	1	1
Kcnq5_j3	0	0.132351	0	1	1
Kcnq5_j2	0.700161	0.317865	0	1	1
Rims1_j7	0.150572	0.262819	0	1	1
Rims1_j13	0.10668	0 -1.79769e+308	0.0037882		1
Rims1_j10	0.000380952	0.129241	8.40624	0.658955	1
Rims1_j12	0.652882	0.320331	-1.02726	0.0254349	0.16632
Rims1_j11	0.318947	0.654648	1.0374	0.0126135	0.101846
Smap1_j3	29.8477	30.8209	0	1	1
Col19a1_j2	0.360009	0.4389	0.28586	0.284751	0.633445
Phf3_j4	3.83189	4.51571	0	1	1
Uggt1_j5	0.373773	0.615812	0	1	1
Neurl3_j2	0.000202138	0.105094	9.02212	0.815078	1
Sema4c_j14	0.223493	0.42676	0	1	1
Sema4c_j13	0.0563495	0.0422435	0	1	1
Actr1b_j1	3.84902	4.25166	0	1	1
6330578E17Rik_j3	10.3627	14.6903	0	1	1
Mgat4a_j7	0.0711331	0.26429	0	1	1
2010300C02Rik_j7	0	0.104116 1.79769e+308	0.0040418		1
Aff3_j8	2.11143	3.11175	0	1	1
Chst10_j4	9.82E-05	0.366306	0	1	1
Creg2_j1	0.0652242	0.883074	0	1	1
Creg2_j2	3.47506	2.13375	0	1	1
Fhl2_j1	0.000285493	0.372142	10.3482	0.943101	0.982807

Uxs1_j7	1.56531	3.06205	0	1	1
1700029F09Rik_j4	0.252911	0.164336	-0.621982	0.593153	0.83794
Gls_j1	45.7473	53.3415	0.221573	0.0101417	0.0864174
Inpp1_j4	5.15348	6.94053	0	1	1
Pms1_j6	0.660987	0.627547	-0.0748979	0.804181	0.935115
XLOC_000678	0.0945838	0.157599	0.736594	0.382751	0.71274
Hecw2_j3	0	0.222091	0	1	1
Pgap1_j2	0	0.0784115	1.79769e+308	0.0660794	1
Sf3b1_j3	2.45214	2.48038	0	1	1
Hspd1_j9	0	3.99507	1.79769e+308	1.36E-06	5.41E-05
Satb2	0.075216	0.190193	1.33836	0.0107989	0.0905709
1110034B05Rik	1.58423	1.61553	0.0282253	0.912978	0.972688
Kctd18_j6	0.0677918	0.0451524	-0.586308	0.674336	1
Fam126b_j6	0	0.157578	1.79769e+308	4.26E-05	0.0010404
Sumo1	0.526497	0.214516	-1.29534	0.0823583	0.349625
Raph1_j4	0	0.0543713	0	1	1
XLOC_000710	0.0194975	0.163096	3.06436	0.0685998	0.313818
Klf7_j2	4.50887	5.54294	0	1	1
1110028C15Rik_j2	0.52629	0.381339	-0.464784	0.140651	0.466466
Acadl_j2	19.6042	28.6692	0.548336	0.0001576	0.0031428
Ikzf2_j1	0.15434	0.101671	-0.602196	0.491949	0.780786
Bard1_j3	0.0489462	0.11152	1.18804	0.418998	1
Bard1_j4	0.0642211	0.0612769	-0.067705	0.964268	1
Abca12_j1	0	0.12911	1.79769e+308	0.0587251	1
Fn1_j3	0	0.0682304	1.79769e+308	0.00554	1
AK079660_j1	0.0921714	0.188025	1.02853	0.204507	0.548638
Tns1_j10	6.62971	7.14776	0	1	1
Aamp_j5	37.3679	40.9101	0.130657	0.179971	0.519626
Usp37_j6	0.123786	0.313152	0	1	1
Usp37_j5	0.0805246	0.25068	0	1	1
Zfp142	1.27314	1.31133	0	1	1
Zfp142_j2	0.0730381	0.105091	0	1	1
Rnf25_j3	1.02386	1.12613	0	1	1
Rnf25_j5	0	0.437869	0	1	1
Nhej1_j1	1.84789	1.96708	0.0901815	0.786165	0.928434
Atg9a_j5	0	0.444371	0	1	1
Ptprn_j8	0.224919	0.494055	0	1	1
Slc19a3	0.166986	0.353299	1.08116	0.0301546	0.18633
Sphkap_j1	0.739644	1.25128	0	1	1
Trip12_j6	0.631088	0.704431	0	1	1
Trip12_j7	1.79798	1.29254	0	1	1
Slc16a14_j3	0.292543	0.235058	0	1	1
Sp110_j2	0.156177	0.300091	0.942215	0.0103625	0.0878183
A630001G21Rik_j3	0.0964909	0.132493	0.457446	0.615619	1
Ecel1_j4	0.11264	0.289862	1.36365	0.0013944	0.0186615
Ecel1_j8	0.153396	1.22775	3.00069	4.96E-10	4.38E-08
Ecel1_j9	0	0.207357	1.79769e+308	0.0002654	0.0048385

Ecel1_j10	0	0.0605151	1.79769e+308	0.0282335	1
Ngef_j1	0.114033	0.221043	0.954872	0.160972	0.495702
A730008H23Rik	8.02914	5.72026	-0.489163	0.000214	0.0040541
Hjurp_j4	8.73426	8.32913	-0.0685192	0.563327	0.822528
Col6a3_j9	0.0482482	0.11996	1.31401	0.0154123	1
Ilkap_j4	1.795	2.29602	0.355154	0.307715	0.652771
Per2_j6	0.0246029	0.06025	1.29213	0.184797	1
Hdac4_j3	2.95528	1.08442	0	1	1
Hdac4	0.00172619	0.217052	0	1	1
Ndufa10_j1	39.7945	37.5361	-0.0842907	0.448128	0.754689
Myeov2_j2	12.9871	21.0464	0.696493	0.0050998	0.0514827
Otos_j3	0.0179437	0.091359	2.34807	0.234858	1
Kif1a_j6	0.0619553	1.31589	0	1	1
Kif1a_j10	0.0983453	0.354776	0	1	1
Pask_j8	0	0.0569381	1.79769e+308	0.0998524	1
Pask_j9	0	0.0582382	1.79769e+308	0.0322189	1
Hdlbp_j2	31.3678	35.5058	0	1	1
Hdlbp_j3	0.0901364	0.297635	0	1	1
Stk25_j2	15.7323	22.281	0	1	1
Stk25_j3	47.8698	48.3075	0	1	1
St8sia4_j1	1.09986	0.946857	-0.216098	0.282923	0.631512
Ppip5k2_j9	0.259591	0.286627	0	1	1
Pam_j3	3.1687	2.98009	0	1	1
Pign_j8	0.000769463	0.490005	9.31473	0.144985	0.472764
Bcl2_j1	6.8277	5.75388	-0.246866	0.0239664	0.159609
Bcl2_j2	1.87429	1.71834	-0.125333	0.546307	0.81297
Inhbb_j1	3.07875	4.66161	0	1	1
Ralb_j6	0.000191251	2.8242	0	1	1
Ptpn4_j5	0	0.133112	0	1	1
Ptpn4	0.000137081	0.129919	0	1	1
Dbi_j6	0.0909001	0.291727	1.68226	0.357544	0.693444
Htr5b_j2	0	0.0497913	1.79769e+308	0.10994	1
Ddx18_j11	0	0.252869	1.79769e+308	0.0243938	0.161546
Dpp10	1.79758	1.39515	0	1	1
Actr3_j5	0	0.0903855	1.79769e+308	0.0675702	1
Zranb3_j4	0.928195	0.768046	-0.273235	0.374247	0.706986
Pfkfb2_j1	0.847096	0.854766	0	1	1
Pfkfb2	0.595201	1.26818	0	1	1
Rassf5_j4	7.55381	7.72058	0	1	1
Rassf5_j5	8.93427	6.0944	0	1	1
Cntn2_j6	5.60932	9.15684	0	1	1
Mdm4_j4	0	0.0541983	0	1	1
Zc3h11a_j2	0.2321	0.241062	0.0546609	0.883674	0.963053
Zc3h11a_j3	0.422628	0.390405	-0.114418	0.753889	0.915071
Shisa4_j3	3.40465	0.878924	0	1	1
Shisa4_j4	10.7759	9.18564	0	1	1
Nav1_j6	0.143027	0.133762	0	1	1

Igfn1_j3	8.66E-06	0.0503323	12.504	0.981578	1
Igfn1_j4	0	0.0550217	1.79769e+308	0.029032	1
Ptprc	0.153705	0.274087	0.834469	0.0752732	0.331168
Nek7_j2	18.8025	19.8482	0	1	1
Rgs18	0.0776225	0.16058	1.04874	0.32213	0.665187
Hmcn1_j1	0.562858	0.373037	-0.593454	0.0800079	0.343808
XLOC_000934	0.043391	0.0614623	0.502305	0.713545	1
Rnf2_j1	0.238062	0.134046	-0.828612	0.257372	0.606261
XLOC_000938	0.401124	0.783779	0.966398	0.0371693	0.213511
Tsen15_j1	0.286752	0.259239	-0.145522	0.759089	0.917041
Tsen15_j4	0.646461	0.828706	0.358297	0.542961	0.810598
Lamc2_j3	0.173134	0.380551	1.1362	0.0788087	0.340449
Lamc2_j4	0	0.0482407	1.79769e+308	0.0377118	1
Lamc1_j2	1.58964	1.72843	0	1	1
Cacna1e_j6	0	0.0570499	1.79769e+308	0.0038764	1
Cacna1e_j8	0.0688695	0.04321	-0.672501	0.699886	1
BC034090_j7	0.0384102	0.0646032	0.750117	0.485881	1
Qsox1_j2	0	0.149324	1.79769e+308	0.0236473	1
Cep350_j6	0.081245	0.0297	0	1	1
Fam163a_j4	7.78E-05	0.201667	11.3408	0.929374	0.978343
Rasal2_j1	0.214321	0.565707	1.40028	1.45E-06	5.71E-05
Pappa2_j3	0	0.0931902	0	1	1
Rabgap1l_j1	6.9176	5.29899	-0.384555	0.0019979	0.0249359
Zbtb37_j5	0	0.165782	1.79769e+308	0.0005388	0.0086855
AI848100_j3	2.213	2.50981	0	1	1
Prrc2c_j8	0.788584	0.400981	0	1	1
Fmo4_j2	0	0.0815536	1.79769e+308	0.0456516	1
Fmo4_j1	0.0831289	0.0327205	-1.34515	0.350463	1
Fmo1	0.569377	0.282165	0	1	1
Fmo2_j3	0.0761944	0.0597129	0	1	1
Prrx1	0.0569925	0.100465	0.817854	0.475146	1
Atp1b1_j3	323.437	165.766	0	1	1
Tiprl_j3	15.7583	20.3122	0	1	1
Dcaf6_j1	19.8987	22.0345	0.14709	0.138377	0.462546
Pou2f1_j6	0	0.124604	1.79769e+308	8.65E-06	1
XLOC_001006	0	0.151772	1.79769e+308	0.0013889	1
Pogk	1.57163	1.64245	0	1	1
BC056189_j1	0.367628	0.600234	0	1	1
XLOC_001013	0.0718216	0.0522534	0	1	1
Rgs4_j3	3.33076	6.70944	0	1	1
Fcgr3_j1	0.000108099	0.279389	11.3357	0.928686	0.97809
Ppox_j3	0.981634	1.19496	0.283704	0.095169	0.380809
Ppox	0.319014	0.280755	-0.184309	0.558772	0.82019
Usp21_j3	4.02071	3.73815	-0.105124	0.485348	0.777011
Ly9_j1	5.74E-05	0.151034	11.3625	0.977479	1
Vangl2_j3	0.0994286	0.0684164	-0.539318	0.589811	1
Pea15a_j3	55.9995	60.3451	0	1	1

Atp1a2_j2	10.416	11.3238	0	1	1
AK145253_j4	0.0159441	0.166635	3.38559	0.0376982	0.215509
Rgs7	4.85618	4.62825	0	1	1
Pld5_j7	0	0.51533	0	1	1
Pld5_j9	3.34214	3.44775	0	1	1
Pld5_j8	1.56876	1.00398	0	1	1
Akt3_j7	10.0949	8.41173	0	1	1
Adss_j1	5.61999	4.68339	-0.263015	0.148359	0.477277
Tfb2m_j3	0.392432	0.416541	0.0860171	0.820266	0.941821
Tfb2m_j6	0.153914	0.172446	0.16402	0.869035	0.958391
Tfb2m_j5	3.42089	2.94603	-0.2156	0.401563	0.724812
Ahctf1_j4	0.667723	0.320762	-1.05775	0.0014331	0.0190435
XLOC_001077	0.106357	0.152712	0.521898	0.674704	1
XLOC_001077	0.492485	0.319842	-0.622721	0.368669	0.701958
XLOC_001081	0.0721383	0.0893034	0.307949	0.827441	1
H3f3a_j2	0	0.122656	1.79769e+308	5.01E-05	1
Degs1_j3	9.83373	39.2379	0	1	1
Fbxo28_j1	4.18908	5.56831	0	1	1
Tgfb2_j3	0	0.0735734	1.79769e+308	0.0290761	1
Kctd3_j5	6.29784	5.51828	-0.190638	0.247514	0.595013
Kcnk2	2.44234	2.74867	0.170469	0.337605	0.678119
Rps6kc1_j9	0	0.313222	0	1	1
Vash2_j2	0.823723	1.61212	0	1	1
Mfsd7b	2.26913	3.75859	0	1	1
Tatdn3_j4	0.267135	0.202345	-0.400753	0.418565	0.735371
Atf3_j4	0.474197	1.36832	0	1	1
Rcor3_j5	3.0398	3.47959	0	1	1
Hhat_j5	0	0.108172	1.79769e+308	0.029476	1
Hhat_j6	0.54509	0.106456	-2.35623	0.0015052	0.0197857
Sertad4_j3	2.07444	0.365192	0	1	1
Sertad4_j2	0.000304531	0.919589	0	1	1
AA408296_j5	0	0.0955295	1.79769e+308	0.193931	1
Hsd11b1	5.43E-06	0.17872	15.0075	0.996312	0.999036
CD46_j3	0.0719732	0	-1.79769e+308	0.0015797	1
CD46_j2	0	0.116169	1.79769e+308	0.0016362	1
AK080352	0.00145083	0.245662	7.40366	0.575394	0.828312
XLOC_000024	0	0.0647518	1.79769e+308	0.195464	1
Ly96_j1	0.125745	0.528336	2.07096	0.0255391	0.166755
Gdap1_j1	16.7606	14.3864	0	1	1
Gm9884	0.0677124	0.13491	0.994502	0.353441	1
Khdrbs2_j1	0.219145	0.29134	0.41082	0.511485	0.791595
Rab23_j1	0.301529	0.455971	0	1	1
Rab23_j4	0	0.13089	0	1	1
Dst_j6	0.7343	0.918489	0	1	1
Dst_j8	0	0.846749	0	1	1
Dst_j9	15.8886	13.2598	0	1	1
Dst_j18	43.9236	51.7794	0	1	1

Arhgef4	15.9751	8.40248	0	1	1
Cnm4_j2	0	0.101875	0	1	1
Vwa3b_j3	0	0.0670301 1.79769e+308	0.0804268		1
Eif5b_j1	10.7566	13.3796	0.314809	0.0017058	0.0220128
Npas2_j4	0	0.113859 1.79769e+308	0.0061855		1
Rpl31_j5	0.308587	0.231463	-0.414899	0.518584	0.796493
Il1r2_j3	0.108485	0.341017	1.65235	0.122486	0.435603
Tpp2_j3	12.2061	14.4835	0	1	1
Bivm_j3	0.541349	0.554201	0	1	1
Bivm_j6	0.167782	0.348212	0	1	1
Ercc5_j1	1.15141	1.10328	0	1	1
Ercc5_j2	0	0.32749	0	1	1
Gulp1_j2	0.95914	0.71717	0	1	1
Wdr75_j1	6.83912	6.89826	0	1	1
Tmeff2_j9	32.9511	40.0842	0	1	1
Stat1_j3	0.0345056	0.0872149	0	1	1
Mstn_j1	0	0.0569582 1.79769e+308	0.076468		1
XLOC_000104	0.0664842	0.115852	0.801202	0.314884	1
Spats2l_j8	0	0.139296 1.79769e+308	0.0432964		1
Aox1_j4	0.0727706	0.0959894	0.399519	0.67591	1
Cflar_j1	0.103666	0.269579	1.37877	0.216622	0.562734
Cdk15_j6	0.0849958	0.0928473	0.127468	0.842971	1
Carf_j3	0.000107553	0.379267	0	1	1
Carf_j2	0	0.0478987	0	1	1
Carf_j4	0.634385	0.353339	0	1	1
Nbeal1_j2	0.28863	0.163043	-0.823968	0.212534	0.557606
Nbeal1_j8	0	0.0983854 1.79769e+308	0.0770553		1
Eef1b2_j1	1.00133	0.939789	0	1	1
Eef1b2_j3	16.9967	22.1712	0	1	1
Creb1_j2	1.31601	1.77857	0	1	1
Pikfyve_j1	0.176083	0.288531	0.712472	0.464882	0.764951
Pikfyve_j3	0.16538	0.0566151	-1.54653	0.225447	0.572506
Pikfyve_j2	0.0826691	0 -1.79769e+308	0.0177649		1
Mtap2_j7	1.01747	0.992454	-0.0359083	0.848995	0.95221
Unc80_j4	0.159974	0.131264	0	1	1
Unc80_j7	0.288393	0.156837	0	1	1
Vwc2l	1.06255	0.619293	-0.778831	0.0893044	0.366337
Atic_j1	4.51685	6.01453	0	1	1
AK084284_j3	0.0522021	0.0791741	0.600922	0.61636	1
AK084284_j5	0	0.0792039 1.79769e+308	0.0483556		1
Xrcc5_j3	0	0.056819 1.79769e+308	0.115438		1
Smarcal1_j5	3.94898	5.83638	0.563595	0.0114543	0.0946995
Igfbp2_j4	0	0.21847 1.79769e+308	0.0574847		0.28096
Gm216_j4	0.0137665	0.0960422	2.80251	0.114877	1
Gm216_j3	0.0820245	0.0604782	-0.43964	0.699362	1
Slc11a1_j4	0.0174989	0.0689039	1.97733	0.274003	1
Plcd4_j1	3.29848	2.21224	0	1	1

Wnt6_j1	2.06152	3.06495	0.572156	0.018567	0.133918
Fam134a_j2	35.1644	36.5614	0.0562054	0.54891	0.814465
Stk16	12.7336	13.648	0	1	1
Des_j1	0.470619	0.566808	0.268303	0.665258	0.873092
Speg_j7	0	0.142349	1.79769e+308	0.0081984	1
Speg_j12	0.0302776	0.0670437	1.14685	0.140291	1
Stk11ip_j4	5.05339	5.1704	0.0330224	0.863198	0.956634
Slc4a3_j3	0.0691165	0.147646	0	1	1
Slc4a3_j7	0.621046	0.222527	0	1	1
Slc4a3_j14	0.521311	0.502799	0	1	1
Sgpp2_j3	32.8488	28.2866	-0.215722	0.0233804	0.156776
Acs13_j1	6.84347	8.61991	0	1	1
9430031J16Rik_j2	0.462642	0.394235	-0.230843	0.462508	0.763338
Agfg1_j11	0.953864	1.03595	0.119097	0.591062	0.836826
Fbxo36_j1	3.17999	3.20167	0	1	1
Sp100_j9	0.199441	0.254588	0.352202	0.532573	0.804349
Psm1_j5	23.6461	35.1492	0	1	1
Armc9_j2	0.128029	0.101973	-0.328286	0.718054	1
Cops7b_j4	6.84947	7.583	0	1	1
Dis3l2_j2	0	0.162926	0	1	1
Gigyf2_j2	0.188339	0.288053	0	1	1
Sag_j2	0.156433	0.0988447	-0.662306	0.64872	0.864813
Ugt1a6a_j2	0.000252165	1.26998	12.2982	0.847162	0.951638
Sh3bp4_j1	0.000221033	0.523604	0	1	1
Sh3bp4_j2	0.717009	0.213793	0	1	1
Sh3bp4_j4	1.86349	1.80577	0	1	1
Agap1_j1	0.0714715	0	0	1	1
Lrrfip1_j4	1.96177	2.98889	0	1	1
Ube2f_j3	2.94829	2.90943	-0.019146	0.895636	0.96693
Ube2f_j4	1.11479	1.12063	0.00753626	0.968212	0.991026
Rnpepl1_j4	0	0.109458	0	1	1
Rnpepl1_j6	0.905523	0.90061	0	1	1
Gpr35_j2	3.3742	3.22982	0	1	1
Gpr35_j5	0	0.48084	0	1	1
Atg4b_j1	9.97217	7.66674	0	1	1
D2hgdh_j6	0.12086	0.0856614	-0.496615	0.670561	1
Zcchc2_j1	0.527427	0.34539	-0.610745	0.0771979	0.336263
Serpinb12_j1	0.105514	0.155404	0.558593	0.443338	1
Slc35f5_j3	2.42225	2.19458	0	1	1
Mgat5_j2	2.2447	1.73233	0	1	1
R3hdm1_j14	2.70807	2.80729	0	1	1
XLOC_000306	0.871804	1.05947	0.281263	0.213529	0.558716
Faim3_j1	0.0646682	0.209462	1.69556	0.235368	0.58261
Klhdc8a_j1	0.118855	0.246736	1.05377	0.141944	0.46851
Adipor1_j2	12.6618	12.2743	-0.0448416	0.761544	0.917949
Tnni1_j1	0.14788	0.525186	1.82841	0.116761	0.42495
Kif21b_j7	0.82183	0.677927	0	1	1

XLOC_000358	0.177397	0.259847	0.550679	0.559881	0.820916
XLOC_000358	0.231758	0.182356	-0.34586	0.575547	0.828379
Kcnt2_j6	0.268676	0.141572	-0.924327	0.0624886	0.295796
Glrx2	0.781732	0.849109	0.119276	0.692041	0.885987
Tpr_j1	11.4986	12.7984	0.154503	0.192782	0.535072
Ivns1abp_j3	0	0.100982	1.79769e+308	0.0107273	1
Ivns1abp_j2	0.745289	0.592856	-0.330119	0.297733	0.644364
Glt25d2_j4	0.864365	3.20346	0	1	1
Ncf2_j4	0.117556	0.302257	0	1	1
Ncf2_j9	0.153555	0.178349	0	1	1
Ncf2_j11	0.279165	0.319314	0	1	1
Rgs8_j1	3.37907	1.67829	0	1	1
Rgs8_j7	3.35931	5.11215	0	1	1
Rnasel_j4	0.502737	1.47931	0	1	1
XLOC_000387	0.0672649	0.0795235	0.241527	0.820949	1
XLOC_000390	0.0346735	0.085727	0	1	1
Angptl1	0.651699	0.674084	0.0487228	0.845267	0.951062
BC026585_j5	0.430665	0.423689	-0.0235613	0.971882	0.991962
Sec16b_j3	0.0773313	0.0548171	-0.496426	0.709937	1
XLOC_000402	0.0670812	0.131984	0.976385	0.29096	1
Rfwd2_j7	0.522651	0.628135	0.265227	0.659386	0.870718
Rfwd2_j14	2.44126	3.02492	0.309271	0.319599	0.662893
4930523C07Rik_j2	0.019128	0.096853	2.34011	0.225028	1
Ankrd45_j4	0	1.4071	0	1	1
Ankrd45_j5	0	0.302376	0	1	1
Vamp4_j4	0	0.472929	0	1	1
Kifap3_j1	18.7583	29.1605	0	1	1
Scyl3_j3	0.463115	0.301016	0	1	1
Scyl3_j6	0.129103	0.0825778	0	1	1
Slc19a2_j3	3.65516	3.71852	0.0247971	0.89428	0.96654
Ildr2_j1	0.031782	0.121438	1.93394	0.377019	1
Tada1_j2	0.167452	0.556911	0	1	1
Rgs5_j1	18.4173	19.3634	0	1	1
1700084C01Rik_j1	0.143327	0.147731	0.0436615	0.962484	0.989507
Nr1i3_j1	0.353515	0.185312	0	1	1
Pfdn2_j1	36.046	42.0324	0	1	1
Usf1_j6	0.305258	0.333161	0	1	1
Copa_j2	30.115	31.13	0	1	1
Igsf9_j4	0	0.0867561	1.79769e+308	0.0326047	1
Igsf9_j9	0.112091	0.111817	-0.00352353	0.998004	1
Igsf9_j11	0.140281	0.138883	-0.0144532	0.992096	0.997582
EG545391_j1	0.185689	0.173216	-0.100318	0.923315	0.97612
Pppde1_j4	0.000179713	0.118082	0	1	1
Cnst_j6	0.5864	2.69591	2.20081	1.81E-05	0.0005115
Cdc42bpa_j3	3.90757	2.83814	0	1	1
Cdc42bpa_j5	0	0.682625	0	1	1
Lin9	0.13517	0.306591	1.18154	0.123739	0.438193

Tmem63a_j3	0.810721	1.43309	0	1	1
XLOC_000504	0.0793227	0.171465	1.11211	0.425611	0.740579
XLOC_000509	0.30859	0.183766	-0.74782	0.437127	0.747501
Susd4_j1	10.0987	6.50089	0	1	1
Susd4_j6	1.11433	1.08543	0	1	1
XLOC_000516	0.0895944	0.0674559	-0.409464	0.739624	1
Esrrg_j1	1.68887	1.287	0	1	1
Angel2	0.0729607	0.0675538	-0.111083	0.936564	1
AK021325_j2	0.268707	0.174793	-0.620385	0.208151	0.552263
Ints7	0.110986	0.378249	1.76895	0.0003074	0.0054542
Lamb3	0	0.408719	1.79769e+308	9.29E-08	5.04E-06
Plxna2_j3	0.618546	0.999422	0	1	1
Cd34_j2	12.9733	9.94517	-0.383477	0.0029965	0.0343962
A330023F24Rik_j3	0.0978643	0.156108	0.673686	0.138126	1
Xkr4_j2	0.158042	0.1862	0.236545	0.762965	0.918329
Xkr4_j3	0.12812	0.101069	-0.342164	0.825824	1
XLOC_000554	0.148744	0.361699	1.28196	0.191471	0.533645
Sox17_j7	0.16805	0.322284	0.939439	0.0714825	0.321458
XLOC_000562	0.0485464	0.261194	2.42769	0.0156236	0.118199
Sntg1_j5	0.0038674	0.341942	6.46624	0.408913	0.729112
Z610203C22Rik_j2	0.0419352	0.0579341	0.466252	0.71822	1
Slco5a1_j2	0.933835	0.614896	-0.602825	0.0173134	0.127423
Slco5a1_j6	0.544383	0.105136	-2.37237	0.0076983	0.0707122
Tram1_j1	2.95903	3.56968	0	1	1
Lactb2_j2	8.5771	8.11835	-0.0793037	0.626322	0.854124
Trpa1_j4	1.47917	2.11834	0.518148	0.011355	0.0942007
Tram2_j4	0	0.144995	1.79769e+308	0.0646528	1
Rims1_j6	0.517884	0.803689	0	1	1
Rims1_j8	1.60292	1.52929	-0.0678377	0.868406	0.95827
Rims1_j9	0.150788	0.419526	1.47624	0.0295003	0.183685
Rims1_j25	0.817607	0.653841	-0.322468	0.592871	0.837903
Ogfrl1_j4	0.978573	5.04755	0	1	1
Smap1_j1	0.314037	0.656812	0	1	1
Smap1	14.8205	15.3778	0	1	1
Fam135a_j7	0.190719	0.341773	0.841591	0.0358463	0.208909
Fam135a	1.20137	1.19108	-0.0124087	0.952017	0.986165
Col19a1_j7	0.180452	0.16458	-0.132828	0.815195	0.939823
Bai3_j9	0.246078	0.555977	0	1	1
Phf3_j6	0.905331	1.17406	0	1	1
Prim2_j1	0.20675	0.138821	-0.574665	0.503258	0.78696
Zfp451_j1	0.283371	0.918519	0	1	1
Ccdc115_j2	1.33623	1.12881	0	1	1
Lman2l_j1	0.244312	0.353309	0.532207	0.142206	0.46882
Ankrd23_j5	0.221226	0.299456	0.436818	0.406748	0.727764
Sema4c_j3	0	0.301017	0	1	1
Sema4c_j6	0.584528	0.792586	0	1	1
Tmem131_j5	2.22855	2.29641	0	1	1

Tsga10_j3	0	0.0850905	0	1	1
Tsga10_j6	0.382859	0.38831	0	1	1
Rnf149_j3	1.14296	1.27987	0.163226	0.596483	0.839476
XLOC_000653	0.158074	0.353499	1.16111	0.247691	0.595075
Tgfbra1_j4	0	0.362135	0	1	1
Slc39a10_j2	0	0.215172	0	1	1
Obfc2a	0.205013	0.355418	0.793804	0.237274	0.584093
Inpp1_j3	0.415338	0.12463	0	1	1
Pms1_j5	0.435718	0.436463	0.00246604	0.996969	0.999154
Hecw2_j2	0.87244	0.764801	0	1	1
Pgap1_j1	0	0.139768	1.79769e+308	1.27E-05	1
Ankrd44_j1	1.46168	1.74863	0.258591	0.195613	0.538158
Sf3b1_j2	3.42573	3.92123	0	1	1
Hspd1_j1	46.1167	49.9329	0.1147	0.218523	0.564931
Als2_j5	0.0758722	0.0219299	-1.79067	0.116625	1
Sumo1_j1	0.9069	1.06992	0.238485	0.309182	0.653897
Ica1_j4	0.432992	0.52287	0.272114	0.473519	0.770096
Wdr12_j2	0	0.0803719	1.79769e+308	0.0216741	1
Wdr12_j4	0.0930504	0.0721702	-0.36661	0.638208	1
Wdr12_j5	1.14279	1.03967	-0.136438	0.504728	0.787836
Ino80d_j2	0.0533895	0.105183	0.97827	0.344765	1
Ino80d_j3	0.138823	0.171515	0.305082	0.679098	0.879469
Ino80d_j4	0	0.175834	1.79769e+308	0.0341301	0.202351
Ndufs1_j1	0	0.060979	0	1	1
Idh1_j2	4.30096	14.299	1.73318	0	0
Acadl_j1	2.84236	3.46153	0.28432	0.224376	0.571512
Bard1_j2	0.00677904	0.163174	4.58919	0.238445	0.585379
Tns1_j11	33.0784	27.7253	0	1	1
Tns1_j12	4.96797	4.43518	0	1	1
Usp37_j1	0.16397	0.205898	0	1	1
Usp37_j2	0.363194	0.57122	0	1	1
Rnf25_j6	3.9134	4.67971	0	1	1
Atg9a_j1	0.440018	2.38658	0	1	1
Atg9a_j2	32.9985	29.3085	0	1	1
Ptprn_j9	0	0.792497	0	1	1
Epha4_j1	0	0.0772923	1.79769e+308	0.0107991	1
Dock10_j5	0.949637	0.98259	0	1	1
Dock10_j6	0.294897	0.407807	0	1	1
Col4a4_j3	0.0638378	0.240084	1.91106	0.296398	0.643089
Trip12_j8	0.324654	0.440079	0	1	1
Trip12_j9	0.0570883	0.33094	0	1	1
Csprs_j1	0.370625	0.544404	0.554719	0.521515	0.798244
Sp110_j1	0.138481	0.28147	1.02329	0.193363	0.535696
Sp110_j6	0.0416878	0.127988	1.61831	0.409404	1
Ecel1_j5	0.965653	2.9241	1.59842	2.32E-13	3.67E-11
Ecel1_j7	0.18234	0.26661	0.548101	0.242642	0.590089
Dnajb3	1.22653	1.23103	0.00527936	0.985493	0.995689

XLOC_000798	0.0367857	0.210793	2.51861	0.0689958	0.314885
Col6a3_j4	0.00287928	0.102901	5.1594	0.004331	1
Hdac4_j9	0.00282281	1.14021	0	1	1
Hdac4_j10	0.0701426	0.213624	0	1	1
Myeov2_j1	57.758	54.7756	-0.0764865	0.611712	0.84711
Otos_j1	0.618727	0.610765	-0.0186864	0.971828	0.991962
Kif1a_j8	7.60836	6.69393	0	1	1
Kif1a_j9	1.78398	11.9817	0	1	1
XLOC_000813	0.381849	0.225788	-0.758034	0.460042	0.76171
Pask_j2	0.157484	0.223884	0.507546	0.287016	0.635532
Ppip5k2_j2	6.77973	6.33452	0	1	1
Ppip5k2_j3	1.44224	1.16258	0	1	1
Ppip5k2_j4	3.76591	3.29009	0	1	1
Pign_j1	0	0.0961352	1.79769e+308	0.0014264	1
Cdh19_j4	0	0.289068	1.79769e+308	9.28E-05	0.0020149
Inhbb_j2	0.294029	0.0521885	0	1	1
Epb4.1l5_j1	0	0.241821	1.79769e+308	5.92E-05	0.0013718
Epb4.1l5_j7	0.128006	0.182703	0.513288	0.36504	0.698904
Epb4.1l5_j12	0.375805	0.277846	-0.435697	0.437886	0.747849
Tmem177_j2	0.130245	0.311514	1.25807	0.0340883	0.202226
Dbi_j5	31.7117	5.99319	-2.40362	2.22E-14	4.05E-12
Insig2_j1	6.51569	4.22297	0	1	1
Ddx18_j7	0	0.16052	1.79769e+308	0.100532	0.392504
Tmem163	5.68253	4.41539	0	1	1
Lct_j1	0.488883	0.291714	-0.744935	1	1
Gm15675_j1	0.218754	0.128733	-0.764923	0.266738	0.615721
Pfkfb2_j4	0.446023	0.396806	0	1	1
Srgap2_j1	0.471162	0.299426	0	1	1
Tmcc2	6.47864	9.70726	0	1	1
Cntn2_j2	0	0.554869	0	1	1
Nfasc_j2	0.0148096	0.0485231	0	1	1
Mdm4_j8	4.74875	5.24045	0	1	1
Sox13_j1	0	0.0642407	0	1	1
Sox13_j2	0	0.422399	0	1	1
Snrpe_j2	17.5818	17.6857	0.00850096	0.972338	0.991962
Adora1_j4	0.472938	0.818837	0	1	1
Tmem183a_j2	0.338001	0	0	1	1
Tmem183a_j3	2.55699	2.05031	0	1	1
Ppp1r12b_j1	1.88308	2.68018	0	1	1
Shisa4_j1	0.302008	1.31947	0	1	1
Nav1_j1	2.42964	2.90537	0	1	1
Igfn1_j7	0	0.248247	1.79769e+308	1.65E-05	0.0004736
Camsap1l1_j5	16.3669	16.2615	0	1	1
Cfhrb_4/2_j1	0.196307	0.423478	1.10918	0.291543	0.638573
Trove2_j2	0.00790436	0.802317	0	1	1
Rgs18_j1	0.0824216	0.0954035	0.21102	0.86654	1
Hmcn1_j8	0.0355728	0.14202	1.99725	0.0199743	1

XLOC_000934	0.154028	0.191551	0.314536	0.539156	0.808383
XLOC_000934	2.33E-06	0.20906	16.4558	0.995377	0.998726
Rnf2_j2	0.923225	1.65655	0.843431	0.0016453	0.02134
ENSMUSG00000073540_j1	0.0488031	0.16141	0	1	1
ENSMUSG00000073540_j3	0.267625	0.157872	0	1	1
Rgl1_j5	1.32078	1.43906	0	1	1
Smg7_j1	1.36013	0.000653529	0	1	1
Lamc2_j6	9.68E-05	0.270769	11.4491	0.813094	0.938893
Lamc1_j1	5.50788	6.15422	0	1	1
Npl_j1	0	0.15754	1.79769e+308	0.0574325	0.280785
Npl_j2	0.12949	0.103885	-0.317857	0.794255	1
Cacna1e_j1	0.768734	0.525492	-0.548815	0.0133465	0.105957
Cep350_j1	0.0661049	0.000135394	0	1	1
Fam163a_j1	0.0388604	0.0911547	1.23002	0.201157	1
Soat1_j1	0	0.478458	1.79769e+308	1.53E-10	1.49E-08
Fam20b_j4	0	0.0497552	0	1	1
Ralgps2_j1	0.335187	0.415851	0	1	1
Ralgps2_j2	0	0.10828	0	1	1
Ralgps2_j3	0	0.278707	0	1	1
Rasal2_j3	0	0.177847	1.79769e+308	5.50E-06	0.0001838
Fam5b_j1	0.0630853	0.0857011	0	1	1
Rabgap1l_j4	2.87305	3.15412	0.134653	0.644217	0.862839
Zbtb37_j3	0.135315	0.140684	0.0561388	0.929649	1
Klhl20_j1	1.48044	1.81287	0.292245	0.200905	0.544315
AK181631_j1	9.959	12.6215	0.341816	0.013825	0.108518
AI848100_j1	1.59841	1.59976	0	1	1
Dnm3_j2	6.61551	6.58375	0	1	1
Prrc2c_j1	16.1416	18.7067	0	1	1
Prrc2c_j3	3.32487	3.38022	0	1	1
Prrx1_j1	0.217484	0.207139	-0.0703139	0.89664	0.967057
BC055324_j1	0	0.0930765	1.79769e+308	0.0665394	1
Atp1b1_j6	285.885	344.724	0	1	1
Sft2d2_j1	0	0.0709725	1.79769e+308	0.0113508	1
Mpzl1_j1	0.140272	0.312471	0	1	1
Pou2f1_j5	0.158214	0.234933	0.570369	0.0827793	0.350783
Pou2f1_j4	0.0239702	0.0952307	1.99019	0.0031094	1
Dusp27_j1	0.178522	0.234248	0.391933	0.394028	0.719796
Pogk_j1	1.03748	1.24901	0	1	1
BC056189	0.20983	0.230921	0	1	1
Mgst3_j1	33.6718	27.8562	-0.273544	0.135298	0.457619
Pbx1_j6	1.60353	2.34811	0	1	1
Rgs4_j2	0	1.97465	0	1	1
Ddr2_j1	0	0.0667027	0	1	1
Uhmk1_j4	8.98782	8.44051	0	1	1
Nos1ap_j1	1.7732	2.34899	0.405683	0.0115599	0.0954105
Atf6_j2	0.000150859	0.245263	0	1	1
Ndufs2_j3	19.6982	22.7365	0	1	1

Ndufs2_j4	0.0666538	0.166597	0	1	1
Usp21_j4	0.560402	0.405292	-0.467499	0.198751	0.541907
Ly9_j7	0	0.108166	1.79769e+308	0.0304235	1
Pea15a_j1	54.0722	67.7474	0	1	1
Slamf8	0.13146	0.119168	-0.141626	0.857275	1
Al607873_j1	0.318539	0.657764	1.0461	0.0001608	0.0031991
Rgs7_j7	1.14779	1.72328	0	1	1
Pld5_j2	0	0.0908393	0	1	1
XLOC_001066	0.0533922	0.148716	0	1	1
Cep170_j10	0.346738	0.425644	0	1	1
Adss_j2	1.3846	2.85126	1.04213	0.0004157	0.0069821
Hnrnpu_j4	8.71266	8.01157	-0.121027	0.396451	0.721168
Smyd3_j4	0	0.151376	1.79769e+308	0.0001429	1
Smyd3_j8	0.403496	0.371553	-0.118986	0.916374	0.973929
Smyd3_j11	1.27354	1.9633	0.624438	0.360509	0.695458
Ahctf1_j5	1.84222	2.85578	0.632437	5.53E-05	0.0013007
H3f3a_j3	0	0.122778	1.79769e+308	0.156386	1
XLOC_001087	0.0917382	0.187025	1.02764	0.047919	0.251648
Lbr	2.13612	2.44447	0.194526	0.371824	0.704757
Capn2_j3	0.17472	0.237704	0	1	1
Capn2_j4	0.787955	1.27313	0	1	1
Capn2_j10	0.58822	0.0465501	0	1	1
Hlx_j1	0.560324	0.76806	0.454957	0.27205	0.620865
Tgfb2_j1	8.64E-05	0.507109	12.5184	0.856304	0.954582
Kctd3_j6	0.190512	0.254217	0.416178	0.558021	0.819821
Smyd2_j2	7.62681	12.1116	0	1	1
Rps6kc1_j5	3.93341	5.36388	0	1	1
Mfsd7b_j4	1.18666	1.70664	0	1	1
Tatdn3_j3	0.239788	0.19682	-0.284885	0.563447	0.822584
Atf3_j3	0	0.57823	0	1	1
Nenf_j1	0	0.404018	0	1	1
Nenf_j2	11.9848	14.1251	0	1	1
Ppp2r5a_j2	0.0254124	0.131321	2.36949	0.0173917	1
Rcor3_j1	1.08276	1.07437	0	1	1
Rcor3_j2	0.0359806	0.199064	0	1	1
Hhat_j10	0	0.133899	1.79769e+308	0.0347061	1
AA408296_j2	3.82E-05	0.410731	13.3916	0.887819	0.964583
XLOC_001132	0.0944237	0.180549	0.935172	0.391228	0.717886
C030002c11rik_j2	0.0482655	0.134314	1.47654	0.313403	1
CD46_j5	0.0380813	0.0846294	1.15208	0.503531	1
Cr1l_j1	0.719214	1.30923	0.864228	0.123321	0.43723
Cnksr3	0.387012	0.528378	0.449193	0.174897	0.513197
Rgs17	7.49707	8.36554	0.158131	0.098	0.386863
Rgs17_j1	0.439192	0	-1.79769e+308	1.21E-17	3.20E-15
Mtrf1l	0.364247	0.583759	0.680453	0.0242956	0.161131
Mtrf1l_j3	0.141033	0.0765236	-0.882058	0.205293	0.549685
Fbxo5_j1	0.0529436	0.149461	1.49724	0.26215	1

Fbxo5	0.377988	0.314412	-0.265684	0.539158	0.808383
Fbxo5_j3	0.359719	0.218575	-0.71874	0.364438	0.698412
Rmnd1	0.100424	0.181266	0.852009	0.155242	0.488418
Rmnd1_j5	0.134522	0.144161	0.0998431	0.845946	1
Rmnd1_j16	0.347832	0.272837	-0.350353	0.29269	0.639689
Lrp11	0.734049	0.630513	-0.219351	0.612301	0.847331
Lrp11_j1	8.35538	5.9662	-0.485893	0.0029978	0.0343965
Katna1	4.78439	5.56627	0.218377	0.149668	0.479278
Ppil4	4.6128	4.54342	-0.0218648	0.867246	0.958063
XLOC_002193	0.0757588	0.0612276	-0.307232	0.740775	1
XLOC_002193	0.109075	0.0598141	-0.866768	0.474958	1
XLOC_002194	0.18607	0.270578	0	1	1
Shprh	0.283801	0.154642	-0.87595	0.0226252	0.153531
Shprh_j4	1.14833	1.21621	0.0828456	0.69094	0.885572
Fbxo30	4.59672	4.84026	0.0744793	0.539616	0.808476
Epm2a	3.44396	2.97036	0	1	1
Epm2a_j2	5.96026	5.67079	0	1	1
Plagl1_j2	0.534683	0.535316	0	1	1
Plagl1	1.07382	0.42448	0	1	1
Fuca2	24.3606	25.7748	0.0814155	0.416744	0.733896
Adat2	1.31594	1.13857	-0.208869	0.222427	0.569499
Hivep2_j2	0.427805	0.150913	-1.50324	5.07E-05	0.0012063
Hivep2_j3	0.551156	0 -1.79769e+308		7.00E-26	2.24E-23
Hivep2_j5	0.277382	0.073226	-1.92145	0.0001695	0.0033407
Nmbr	0.124054	0.286577	1.20795	0.050719	0.260788
Cited2	3.76547	6.94949	0.884077	1.36E-08	9.34E-07
Txlnb	0.145006	0.223164	0.621988	0.156234	0.489716
Reps1_j2	1.82673	1.53004	0	1	1
Reps1_j1	10.3388	10.4177	0	1	1
Reps1_j4	4.18714	5.90659	0	1	1
Nhsl1_j3	0.430705	0.302935	-0.507691	0.0311924	0.190497
Perp	1.4645	1.39083	-0.0744599	0.776673	0.924506
AK044491_j1	0.298668	0.197963	-0.593314	0.0709748	0.320347
Ifngr1	7.87803	7.975	0	1	1
Ifngr1_j2	1.21823	0.967597	0	1	1
Map3k5	2.97003	1.94657	0	1	1
Mtap7_j2	1.31424	1.21906	0	1	1
Mtap7_j6	3.0075	2.57373	0	1	1
Gm6251	38.7073	43.6138	0	1	1
Mtap7_j11	4.37557	5.83473	0	1	1
Bclaf1_j1	1.00314	0.909066	0	1	1
Bclaf1	4.02546	2.97244	0	1	1
Ahi1	3.73317	3.61478	-0.0464948	0.736515	0.90722
Hbs1l_j4	0.0824489	0 -1.79769e+308		0.0284639	1
Sgk1	0.984403	0.537013	-0.874292	0.0086618	0.0770078
Sgk1_j1	0.512777	0.107559	-2.25321	0.0050055	0.0507725
Sgk1	0.76883	0.834697	0.118588	0.742278	0.909898

Sgk1	4.75119	3.56049	-0.416216	0.0149033	0.11442
Raet1a_j3	0.0810307	0.128845	0.669098	0.378319	1
1110021L09Rik_j2	1.07434	1.30466	0	1	1
1110021L09Rik	1.46604	1.04334	0	1	1
Stx7	63.0209	68.435	0.118903	0.207592	0.55198
Stx7_j1	3.17378	2.49723	-0.345872	0.385165	0.713848
Moxd1	0.633912	0.429284	-0.562352	0.15944	0.493951
Moxd1_j2	0.306104	0 -1.79769e+308		0.000397	0.0067309
Ctgf_j1	0.218395	0.209932	-0.0570174	0.927033	0.977441
Med23	0.71425	1.00562	0.493584	0.052341	0.265624
Med23	2.42981	1.66802	-0.542712	0.0025336	0.0301523
Epb4.1l2_j5	0.0871205	0 -1.79769e+308		0.0043077	1
Arhgap18_j4	0.50262	0.342096	-0.555064	0.234606	0.581996
Arhgap18_j8	0.253457	0.232578	-0.12403	0.769596	0.921491
Arhgap18_j10	0.0744463	0 -1.79769e+308		0.0089124	1
Arhgap18_j12	0.259515	0.303983	0.228173	0.725794	0.902577
Ptprk_j9	0.264558	0.179615	-0.558681	0.203338	0.547261
Ptprk_j7	0.807151	0.153726	-2.39248	3.67E-08	2.24E-06
Ptprk_j13	0.000259805	0.188901	9.50599	0.450529	0.756158
6330407J23Rik	4.25353	3.40068	0	1	1
9330159F19Rik_j2	0.916364	0.96311	0	1	1
Echdc1	0.684486	0.660122	0	1	1
Hddc2	15.5473	14.5299	-0.0976445	0.488555	0.779095
Rsph4a	0.17376	0.0696395	-1.31912	0.0144712	0.112074
Col10a1	0.142552	0.10051	-0.50416	0.60701	0.845186
Hs3st5	3.08626	3.13843	0	1	1
Hs3st5_j3	2.73215	2.48574	0	1	1
Hdac2	14.0226	11.7518	0	1	1
AK040320_j1	0.16998	0.103837	-0.711045	0.416733	0.733896
Lama4_j3	0.121957	0 -1.79769e+308		1.08E-05	1
Lama4	1.27209	1.41495	0.153549	0.359499	0.694746
Tube1	0.357741	0.369252	0.0456901	0.889751	0.964993
Fyn	11.1236	12.3859	0	1	1
Fyn_j3	0.379486	0	0	1	1
Traf3ip2	2.32537	2.86116	0.299141	0.056644	0.278415
Rev3l_j1	0.739892	0.529471	0	1	1
AK166420	0.29568	0.26128	-0.17844	0.563281	0.822514
Cdk19	3.4365	3.07832	0	1	1
9030224M15Rik	0.311763	0.408623	0.390321	0.340043	0.680124
9030224M15Rik_j2	0.156041	0.0133426	-3.54781	0.431388	0.743572
Wasf1_j1	7.43898	6.83831	0	1	1
Wasf1_j3	13.1076	13.6077	0	1	1
Zbtb24	1.03982	0.804478	-0.370214	0.177507	0.516863
Zbtb24	1.9758	1.90134	-0.055418	0.775087	0.923761
Cd164	0.764571	0.595291	-0.361057	0.257878	0.606586
Cd164_j1	23.3394	20.0775	-0.217193	0.0754385	0.331473
Cd164_j3	0.25251	0 -1.79769e+308		0.0021651	0.0265613

Sesn1	8.70502	6.83276	0	1	1
Snx3	48.0661	48.8736	0.0240351	0.805889	0.935848
Ostm1	14.8737	10.3731	0	1	1
Sec63	6.1415	6.38054	0.0550863	0.664458	0.872968
Scml4	0.398261	0.351535	-0.180046	0.597307	0.84027
Scml4	0.0576652	0.0990191	0.780005	0.344862	1
Pdss2	5.35804	5.22604	-0.035985	0.800616	0.933554
Bend3	0.973578	0.358803	0	1	1
Cd24a_j2	0.743573	0 -1.79769e+308		2.58E-08	1.65E-06
XLOC_002275	0.0662782	0.0585968	-0.177714	0.868938	1
Rtn4ip1_j2	0.116058	0.0133977	-3.11479	0.0646896	1
Atg5	16.3298	15.7882	-0.0486681	0.653922	0.867586
Prep_j1	5.72845	6.44029	0	1	1
Prep	16.1947	17.3521	0	1	1
Popdc3	3.73311	3.44544	0	1	1
Bves	4.81401	4.64515	0	1	1
Bves_j1	3.15641	2.39594	0	1	1
Hace1	6.5129	6.08722	-0.0975159	0.459478	0.761406
Ascc3_j1	0.260158	0.112126	-1.21427	0.0106143	0.0893926
Ascc3	2.61934	3.36283	0.360475	0.0021421	0.0263255
Lilrb4_j2	0.0648017	0.102381	0.659841	0.464525	1
Vgll2	0.106447	3.75E-05	-11.4702	0.991125	1
Dcbl1	8.27851	8.07439	-0.0360187	0.760317	0.917459
Nus1	14.4172	13.5156	0	1	1
Slc35f1	2.05523	1.52445	-0.431011	0.0098184	0.0845751
Slc35f1_j1	3.68131	2.239	-0.717366	0.0002759	0.0049915
Pln	1.16235	0.674467	0	1	1
Asf1a	2.02702	1.90679	-0.0882085	0.503563	0.787092
Msl3l2	0.777318	0.54524	-0.511614	0.191201	0.533347
Gja1	5.49418	4.70199	0	1	1
Hsf2	12.8357	12.1895	-0.0745229	0.509424	0.790813
Fabp7	226.347	211.53	0	1	1
Gcc2	8.17155	6.72793	-0.280447	0.0050735	0.0512702
Lims1_j1	10.0154	8.13879	0	1	1
Lims1	0.173663	0.0795705	0	1	1
Lims1	14.1156	13.3247	0	1	1
Ranbp2	1.64828	1.11331	0	1	1
Ranbp2_j3	13.9107	14.238	0	1	1
Ccdc138_j1	0.274045	0.428862	0.646098	0.409173	0.72947
Ccdc138	0.110475	0.348804	1.65869	0.0110808	0.0924583
Ccdc138_j6	0.386937	0.131149	-1.56089	0.0171714	0.126645
Ccdc138_j5	0.134119	0.169955	0.34164	0.63868	0.860184
Sh3rf3	0.280419	0.131734	-1.08995	0.0073813	0.0685106
Sh3rf3_j5	0.385071	0.264997	-0.539148	0.15753	0.491628
P4ha1	1.21847	1.66861	0	1	1
P4ha1	1.32972	1.57971	0	1	1
Cbara1_j4	37.9297	36.4058	-0.0591581	0.549489	0.814804

Dnajb12	7.18254	7.4975	0	1	1
Ascc1	11.2446	11.7584	0.0644624	0.632156	0.856985
Spock2	72.215	52.6366	0	1	1
Spock2_j1	0.226679	0.16067	0	1	1
Psap	576.256	640.96	0.153526	0.127703	0.445344
Psap_j1	65.0828	25.1653	-1.37084	0	0
4632428N05Rik	0.312033	1.18395	1.92384	1.62E-14	3.01E-12
4632428N05Rik_j2	0.0787971	0.0739484	-0.0916235	0.907331	1
4632428N05Rik	0.243112	0.0877644	-1.46991	0.0217533	0.14933
Pcbd1	30.3068	34.3657	0.181328	0.0949616	0.38026
Lrrc20_j6	0.656026	0	0	1	1
Ppa1	41.658	46.0328	0	1	1
Sar1a	44.5602	46.6674	0.0666589	0.452165	0.757323
Sar1a_j1	4.30661	2.433	-0.823818	0.0525836	0.266364
Tysnd1	7.03077	7.18903	0.0321151	0.812808	0.938836
Aifm2	0.305656	0.279735	-0.127849	0.670493	0.875351
Ass1	55.045	53.3717	-0.0445378	0.623624	0.853007
Slc25a16	6.9757	5.66485	0	1	1
Dna2_j5	0.0594868	0.0396407	-0.585588	0.707564	1
Herc4	3.31742	3.46917	0	1	1
Herc4_j2	0.788723	0.642026	0	1	1
Herc4_j4	3.19716	4.76928	0	1	1
Dnajc12	3.48595	3.06006	-0.187993	0.506624	0.789059
Dnajc12	7.97846	8.65681	0.117724	0.44418	0.752041
Jmjd1c_j3	2.20291	1.9553	-0.172022	0.218735	0.565027
Jmjd1c_j7	0.077491	0 -1.79769e+308		4.38E-05	1
Jmjd1c_j8	0.259906	0.222713	-0.222806	0.523277	0.799177
Egr2	0.683223	0.942876	0.464711	0.0849212	0.355652
Rtkn2_j1	0.11478	0.0761662	-0.591649	0.562255	1
Rtkn2_j5	0.113534	0 -1.79769e+308		0.0078631	1
Rhobtb1	0.547831	0.645388	0.236437	0.384278	0.713243
Rhobtb1_j4	0.407529	0.0977529	-2.05969	0.0144567	0.111997
Rhobtb1_j5	0.309532	0.15073	-1.03813	0.16327	0.498589
Ank3_j2	2.41789	2.1151	-0.193021	0.120266	0.431836
Ank3_j1	4.12432	4.67533	0.180911	0.080379	0.344849
Ank3_j13	10.2211	14.6969	0.52397	1.95E-05	0.0005429
Ccdc6	7.24886	5.9665	0	1	1
AK009351_j1	0.692023	0.371548	-0.897272	0.194483	0.536757
Slc16a9	1.16387	0.699068	0	1	1
Fam13c_j1	1.00984	0.965294	0	1	1
Fam13c_j2	1.13869	1.10627	0	1	1
lpmk	1.17166	1.17977	0	1	1
lpmk	2.44834	1.36296	0	1	1
Zwint	317.228	344.637	0.119555	0.188638	0.530235
Gm5778	3.59239	2.59799	-0.467547	0.0488182	0.254579
Gnaz_j1	2.32285	2.02292	0	1	1
Gnaz	12.2595	11.291	0	1	1

Gnaz_j5	8.90116	11.3675	0	1	1
Rab36_j1	0.10829	0.248435	0	1	1
Rab36	1.55236	0.961389	0	1	1
Rab36_j5	0.237268	0.434111	0	1	1
Bcr	7.1229	5.80166	0	1	1
Bcr_j1	6.88652	6.51047	0	1	1
Bcr	5.0654	4.82038	0	1	1
Specc1l	8.35314	4.98385	0	1	1
Adora2a	1.21098	0.629954	-0.942853	0.0042385	0.0447442
Upb1	0.355259	0.124196	-1.51626	0.0435429	0.237046
Upb1_j2	1.26986	0.827871	-0.617186	0.134408	0.456305
Snrpd3	11.1437	10.806	0	1	1
Snrpd3_j1	6.04365	6.7166	0	1	1
Ggt5	0.666532	1.28902	0.951525	1.04E-10	1.06E-08
Chchd10_j1	57.1469	34.423	-0.731301	5.58E-13	8.27E-11
Zfp280b_j1	0.0735197	0.384637	0	1	1
Zfp280b	1.14822	1.04831	0	1	1
S100b	11.8411	9.59278	0	1	1
Mcm3ap	3.14815	2.77214	-0.183505	0.166021	0.502767
Lss	4.6989	4.85796	0	1	1
Lss_j5	2.69846	1.90054	0	1	1
Lss_j6	2.13574	2.61391	0	1	1
Slc19a1	8.01355	8.99446	0.166596	0.248137	0.595431
Pofut2	10.0476	9.65947	-0.056841	0.632562	0.857248
Itgb2_j1	0.129794	0.0122042	-3.41077	0.399988	1
Pttg1ip	24.6333	26.5151	0.106205	0.265076	0.613897
Sumo3	9.61024	9.09659	-0.0792466	0.50952	0.790813
Ube2g2	27.0385	29.8284	0.141671	0.145158	0.472985
C330046G03Rik_j3	0.279524	0.184075	-0.602679	0.458186	0.7608
C330046G03Rik_j5	0.225279	0.100086	-1.17048	0.303536	0.649155
C330046G03Rik_j7	0.157706	0.0622095	-1.34203	0.201753	0.545317
1810043G02Rik	1.07418	1.09826	0.031971	0.87589	0.960619
1810043G02Rik_j1	1.00673	0.830189	-0.278167	0.312479	0.657049
Icosl	0.513138	0.476076	-0.108157	0.759575	0.91718
Icosl_j5	0.367528	0.227593	-0.691397	0.282486	0.63103
Cstb	41.9851	48.7082	0.214285	0.060252	0.289092
Ilvbl_j1	3.87009	3.17856	0	1	1
AK164315_j2	0.0583392	0 -1.79769e+308		0.0815725	1
AK164315_j1	0.0511937	0 -1.79769e+308		0.0992705	1
Slc1a6	0.0756284	0.152714	1.01383	0.305571	1
Slc1a6_j3	1.43628	1.15263	-0.317406	0.257614	0.606366
Gm16517	6.31156	6.74248	0.0952831	0.423003	0.738638
Gm16517_j4	4.19448	4.49987	0.101392	0.722954	0.901338
Bsg	86.8244	86.8761	0	1	1
Hcn2	36.5806	23.0564	-0.665908	1.53E-12	2.12E-10
Hcn2_j1	1.19586	0.990728	-0.271492	0.405937	0.72756
Fstl3_j1	0.145069	0.0620486	-1.22527	0.36446	0.698412

Fstl3	0.722372	1.38836	0.942568	0.0015672	0.0204576
FLRG	1.12851	1.28954	0.192443	0.534715	0.805843
Palm_j1	0.752548	0.632337	-0.251089	0.694981	0.887479
9130017N09Rik_j2	0.125175	0.123634	-0.0178682	0.981095	1
XLOC_002395	0.211805	0.0808366	0	1	1
Ptbp1_j2	0.103579	0.198026	0	1	1
Ptbp1_j9	1.63349	2.43603	0	1	1
Arid3a	0.357951	0.0738051	-2.27797	0.0003082	0.0054628
Arid3a	0.460044	2.36E-05	-14.2511	0.939083	0.981439
Wdr18	12.6721	13.7228	0.114918	0.24258	0.590063
Cnn2	2.31493	2.65387	0.19713	0.305188	0.650262
Hmha1_j7	0.119112	0.0625627	-0.92894	0.317694	1
Hmha1_j10	0.046257	0.0716866	0.632033	0.586547	1
Gpx4_j4	0.309151	0.288772	-0.0983801	0.69495	0.887479
Stk11	3.54392	3.70109	0	1	1
Atp5d_j2	140.024	149.258	0	1	1
Cirbp	23.1904	19.2151	-0.271288	0.0220948	0.15094
Efna2	1.02883	1.17364	0.189985	0.501096	0.785318
Mum1_j1	4.65419	2.63766	0	1	1
Mum1	1.79646	1.61427	0	1	1
Mum1_j3	4.63135	5.79333	0	1	1
Mum1_j4	6.411	7.58438	0	1	1
Ndufs7_j1	53.1988	58.7188	0.142429	0.166164	0.502787
Dazap1	12.7723	15.9596	0.321399	0.0115184	0.0951157
Rps15_j1	27.0957	30.0271	0.148203	0.29987	0.646423
Apc2_j2	2.08106	1.33056	-0.645281	3.02E-05	0.0007786
Apc2_j5	1.05668	0.626331	-0.754537	0.0002536	0.0046735
Reep6	0.306983	0.268425	-0.193643	0.729129	0.903998
Reep6	0.642122	0.575958	-0.156884	0.663665	0.872653
Scamp4	14.6556	16.0489	0.131016	0.378703	0.710354
Csnk1g2_j1	36.9519	35.8924	0	1	1
Dot1l_j1	1.55394	1.84493	0.247629	0.0775475	0.337104
Sppl2b	0.0567751	0.184698	1.70183	0.0200353	0.141023
Sppl2b_j5	2.16376	2.0885	-0.0510733	0.823697	0.943114
3110056O03Rik	0.244332	0.0444257	-2.45938	0.013187	0.105084
Gadd45b	3.12559	2.64192	-0.242545	0.170608	0.507473
Thop1	19.775	21.9385	0.149787	0.123427	0.437384
Map2k2	16.4873	17.5735	0	1	1
Map2k2	32.0525	35.4192	0	1	1
XLOC_002427	0.12601	0.194148	0	1	1
Zbtb7a_j1	7.81314	9.60393	0	1	1
Zbtb7a	5.32532	5.45699	0	1	1
Zbtb7a	6.54559	3.90862	0	1	1
Eef2_j2	58.6195	54.9926	-0.0921417	0.304946	0.65013
Dapk3	9.75993	9.53913	-0.033014	0.781435	0.926214
Zfr2_j2	1.56989	1.45637	0	1	1
Apba3	2.14525	2.63133	0	1	1

Pip5k1c	38.4017	34.2792	0	1	1
2510012J08Rik	5.65513	6.43929	0.18734	0.120639	0.432634
Tbxa2r_j2	0.174896	0.0547566	-1.67539	0.180173	0.519814
Tbxa2r	0.9528	0.861637	-0.145093	0.619105	0.85046
F630110N24Rik	2.30286	2.15707	-0.0943517	0.476332	0.77206
Dohh_j3	0.271847	0.349804	0.36375	0.530572	0.80314
Dohh_j2	3.31672	3.65239	0.139083	0.391356	0.717903
Dohh_j4	6.82736	7.35176	0.10676	0.667386	0.8742
2210404O07Rik	0.176449	0.162617	-0.117778	0.919511	0.974745
2210404O07Rik_j3	0.237895	0.299743	0.333403	0.5846	0.833464
Aes	50.5934	43.1957	0	1	1
Aes_j5	38.587	36.8583	0	1	1
Ankrd24_j8	0.75753	0.620832	0	1	1
Ankrd24_j7	0.851118	0.310763	0	1	1
Ankrd24_j6	2.10701	1.33433	0	1	1
Ankrd24_j14	0.463117	0.155575	0	1	1
XLOC_002448	0.127308	0.0957647	-0.41076	0.471627	1
BC062115_j6	0.0524363	0.0474431	-0.144367	0.901175	1
XLOC_002449	0.235659	0.259141	0.137033	0.862971	0.956568
AU041133_j2	0.385818	0.252839	-0.609704	0.233683	0.581007
Mif1	0.243367	0.0643262	-1.91965	0.0228579	0.154465
Hcfc2_j1	0.189921	0 -1.79769e+308		1.07E-06	4.38E-05
Txnrd1	7.6361	5.8511	0	1	1
Chst11	1.62475	1.25148	0	1	1
Chst11_j1	6.91199	6.74199	0	1	1
D10Wsu102e	8.3871	8.16458	-0.0387949	0.728788	0.903826
A230046K03Rik_j1	2.9664	2.97169	0	1	1
1500009L16Rik_j1	0.571721	0.27053	-1.07952	0.137633	0.461429
1500009L16Rik	1.51195	1.5871	0.0699795	0.812091	0.938348
Tcp11l2	8.6006	8.48024	-0.020333	0.868598	0.958331
Polr3b	5.45828	5.31503	-0.0383686	0.734717	0.906438
Ric8b	3.09241	4.07768	0	1	1
Ric8b	6.08804	5.66615	0	1	1
Al597468	1.0372	1.08693	0	1	1
XLOC_002469	0.148674	0 -1.79769e+308		0.0032319	0.0365821
XLOC_002469	0.17672	0.0901866	-0.970477	0.314443	0.658629
Gm8394	66.3594	67.1318	0.016695	0.85881	0.955302
Btbd11	1.18429	0.702011	0	1	1
Pwp1	7.11064	6.8711	-0.0494397	0.662094	0.871836
Fbxo7	2.65934	2.57096	0	1	1
Fbxo7	0.153223	0.186065	0	1	1
Timp3	19.023	18.7009	0	1	1
1810014B01Rik	0.379177	0.587202	0.630987	0.174945	0.513197
1810014B01Rik	0.540757	0.395833	-0.45009	0.357813	0.693651
Nt5dc3	7.44528	4.96063	0	1	1
Igf1	0.84419	1.31872	0.643494	8.96E-05	0.0019547
Nup37	1.11969	1.14539	0.0327431	0.922684	0.975933

Ccdc53	10.431	10.9119	0.0650281	0.706829	0.89314
XLOC_002486	0.160732	0.141521	-0.183644	0.766584	0.920366
Gnptab_j1	0.318274	0.130802	-1.28289	0.0281578	0.178056
Gnptab	11.4271	11.4927	0.008261	0.930909	0.978859
Arl1	3.30286	3.29429	-0.00374851	0.981168	0.994152
Arl1_j4	0.296885	0.289125	-0.0382132	0.957084	0.987657
Uhrf1bp1_j1	2.17025	1.73934	-0.319327	0.0499299	0.258177
Uhrf1bp1	3.17637	2.95047	-0.106432	0.437241	0.747555
Uhrf1bp1_j3	1.12477	1.01852	-0.143154	0.504032	0.787387
Anks1b_j1	0.0541413	0.0438847	0	1	1
Anks1b_j5	1.28548	1.34638	0	1	1
Anks1b_j4	4.25717	7.28931	0	1	1
Ikbip	1.31627	1.30859	-0.00844291	0.976102	0.99312
Ikbip	2.38327	2.45979	0.0455873	0.854104	0.953758
Cdk17	2.11741	1.9325	0	1	1
Lta4h	16.052	16.8918	0.07357	0.500919	0.785168
Hal	2.42405	1.75709	-0.464233	0.0083075	0.0747028
Ntn4	0.768773	0.426541	-0.849873	0.0114902	0.0949152
Gm3571	132.956	151.629	0.1896	0.028677	0.18024
Fgd6	0.463962	0.427882	-0.116794	0.629128	0.855833
Nr2c1	2.98482	2.66434	-0.163868	0.272619	0.621437
Ndufa12_j1	1.22252	0.92376	-0.404268	0.204283	0.548429
Tmcc3	2.49539	2.06391	0	1	1
Tmcc3_j1	1.39614	1.49244	0	1	1
Tmcc3	0.141527	0	0	1	1
Ccdc41	6.43228	5.98969	-0.102848	0.3958	0.720791
Ube2n_j4	0.151242	0.175096	0.211285	0.710909	0.894923
Eea1	3.4092	2.60009	0	1	1
Eea1_j2	0.286514	0.629161	0	1	1
Btg1	21.1493	25.9598	0.295671	0.0038079	0.0414262
Dcn	21.9589	30.3948	0	1	1
Dcn_j1	4.17261	14.1647	0	1	1
Dcn	47.7992	62.5173	0	1	1
Lum	11.0182	15.7252	0.513191	4.28E-06	0.0001476
XLOC_002519	0.0994791	0.0283514	-1.81097	0.236287	1
XLOC_002519	0.0698129	0 -1.79769e+308		0.0363559	1
XLOC_002519	0.172314	0 -1.79769e+308		0.0252604	0.165512
Atp2b1	9.85492	9.687	0	1	1
XLOC_002521	0.27284	0.252241	-0.113255	0.763629	0.918719
Poc1b	0.728209	0.70563	-0.0454421	0.857595	0.954849
Poc1b	1.28305	1.26119	-0.0247873	0.921849	0.975553
Wdr51b_j2	0.534683	0.853269	0.674317	0.0655727	0.305273
Dusp6	4.50009	5.23418	0.218011	0.11854	0.428543
Dusp6_j1	4.44967	5.87726	0.401444	0.0332273	0.198887
Kitl	6.36281	6.87413	0	1	1
Cep290_j1	0.881728	0.826288	-0.0936891	0.612677	0.847359
Cep290_j4	0.441686	0.483284	0.129852	0.750818	0.913584

Mgat4c_j2	0.199005	0.190656	-0.0618318	0.912654	0.972469
Mgat4c	0.473875	0.757088	0.675954	0.020454	0.143143
Rassf9	0.57269	0.486098	-0.236505	0.35023	0.687775
Slc6a15	4.40223	4.15768	-0.0824547	0.530111	0.802942
Slc6a15_j2	30.1304	27.6599	-0.123421	0.221972	0.569158
Ccdc59	3.46641	3.62088	0.062896	0.699208	0.889208
Ppfia2_j6	1.35135	1.71294	0.342076	0.0977127	0.386292
Ppfia2_j8	0.139829	0.228725	0.709951	0.193021	0.535391
Ppfia2_j9	0.826248	1.12587	0.446391	0.0954201	0.381368
Lin7a_j3	0.547456	0.391697	0	1	1
Lin7a	0.638884	0.4817	0	1	1
Lin7a	0.197861	0.123276	0	1	1
Lin7a_j2	0.187959	0.0793119	0	1	1
XLOC_002533	0.0654194	0.0933421	0	1	1
Ppp1r12a	5.64463	6.13172	0	1	1
Pawr_j1	1.41985	1.11731	-0.345714	0.269562	0.618722
E2f7_j1	0.143511	0.0553631	-1.37416	0.0832626	0.351738
Csrp2	1.74635	2.331	0.41661	0.113816	0.419484
Csrp2_j3	1.89163	0.932986	-1.0197	0.180495	0.520279
Gm5428	69.8326	79.7102	0.190864	0.038306	0.217704
Osbpl8	3.27605	2.96195	0	1	1
Osbpl8_j3	3.2788	1.53815	0	1	1
Bbs10	1.63899	1.57416	-0.0582237	0.746969	0.911835
Nap1l1_j1	0.228871	0.172006	0	1	1
Nap1l1_j4	0.303687	0.27627	0	1	1
Nap1l1_j6	1.01951	0.802124	0	1	1
Phlda1	1.21147	2.9211	0	1	1
Krr1	3.08177	3.26652	0.0839958	0.522888	0.799141
Zfc3h1	0.589494	0.624597	0	1	1
Tspan8	14.452	12.2599	0	1	1
Tspan8	35.763	34.4241	0	1	1
Ptpr	4.7985	4.04603	0	1	1
Ptpr_j3	2.18167	1.94054	0	1	1
AK016591_j1	0.256996	0.386152	0.587421	0.0775801	0.337104
AK016788_j4	0.170834	0	0	1	1
AK016788_j3	0.293487	0.106642	0	1	1
AK016788_j8	0.274303	0	0	1	1
XLOC_002557	0.0613215	0.0307141	-0.997491	0.684152	1
Cpm_j1	0.0970713	0.0674455	-0.525324	0.639572	1
XLOC_002559	0.100689	0 -1.79769e+308	0.0372455	0.0372455	1
Mdm1_j2	0.195984	0.142508	-0.459689	0.665983	0.873396
Mdm1_j11	0.131228	0.104548	-0.327904	0.719158	1
Mdm1_j12	0.0851562	0.0633626	-0.426481	0.724219	1
Grip1_j1	0.645904	0	0	1	1
Grip1_j3	1.36784	1.94312	0	1	1
Tmbim4	58.5205	56.0163	-0.0630968	0.543638	0.811014
Llph_j1	0.280539	0.0457763	-2.61553	0.0361921	0.210104

Llph_j7	1.48853	1.78044	0.258347	0.267768	0.616423
9230105E05Rik	0.332666	0.289954	-0.198251	0.726735	0.90322
Gns	25.1484	25.7457	0.0338674	0.704733	0.892128
BC048403	0.775832	0.621821	-0.319245	0.301272	0.647624
BC048403	3.8903	3.50903	-0.148807	0.270318	0.619522
Avpr1a	0.350438	0.50285	0.520969	0.0245519	0.16231
Ppm1h	3.8404	2.81234	0	1	1
Ppm1h_j4	2.3673	0.0218687	0	1	1
Fam19a2	3.24172	2.46588	-0.394655	0.0119636	0.0979788
Fam19a2_j1	17.6655	8.91412	-0.986769	0	0
Lrig3	0.294752	0.37139	0.333433	0.297219	0.643783
Lrig3_j2	0.0652484	0	-1.79769e+308	0.0043062	1
Lrig3_j4	0.281912	0.176814	-0.673013	0.535665	0.80631
XLOC_002576	0.191146	0.146402	-0.384743	0.565471	0.823861
XLOC_002576	0.0834559	0.0600092	-0.475831	0.690011	1
Ctdsp2_j4	0.103875	0.0106931	-3.2801	0.180163	1
Ctdsp2_j3	0.0693857	0.115768	0.738523	0.447028	1
Avil_j6	12.0337	11.3263	0	1	1
Avil_j11	39.7313	18.7478	0	1	1
Avil_j13	0.978795	1.65689	0	1	1
Mettl1	6.36097	6.95302	0.128394	0.289102	0.63673
Cdk4	9.57789	10.7731	0	1	1
Agap2	2.72413	1.84006	-0.566044	0.0006404	0.0099888
B4galnt1	0.638237	0.942005	0.561641	0.0699209	0.317349
B4galnt1	5.60909	5.34038	-0.0708222	0.691431	0.885712
Dctn2_j3	0.187946	0.0314616	0	1	1
R3hdm2_j11	0.195758	0.15397	0	1	1
Stac3_j11	0.0815302	0.0457827	-0.83253	0.448621	1
Stac3_j10	0.115977	0.0852964	-0.443288	0.579832	1
Stac3_j9	0.0644502	0.0809626	0.329071	0.734419	1
Ndufa4l2	0.515997	0.68745	0.413892	0.119427	0.429997
Stat6	5.39897	2.40271	-1.16802	8.49E-10	7.22E-08
AK005897	0.191284	0.163831	-0.223501	0.731585	0.905037
Tmem194	0.157296	0.289395	0.879557	0.0298638	0.185168
Tmem194_j1	0.299787	0.0632211	-2.24546	0.0008539	0.0125993
Myo1a_j3	2.72621	0.00416513	0	1	1
Myo1a_j4	0.335487	0	0	1	1
Zbtb39	1.46821	1.61413	0.136695	0.352306	0.68925
Prim1_j6	0.788805	0.271158	-1.54053	0.0224875	0.152894
Prim1_j2	1.55879	1.25834	-0.308908	0.321482	0.66458
Atp5b	657.239	650.924	-0.0139295	0.882616	0.962648
Baz2a_j4	0.373686	0.17852	-1.06574	0.0006998	0.0107239
Baz2a_j6	0.0906318	0.0795759	-0.187686	0.693661	1
Baz2a_j9	0.153763	0.48258	1.65006	1.97E-06	7.48E-05
Gls2	1.78178	0.836463	0	1	1
Stat2	8.2702	9.24297	0	1	1
Pan2_j1	0.475347	0.170919	-1.47567	0.0112359	0.0934641

Pan2_j3	0.0628091	0.0639214	0.0253255	0.977954	1
Pan2_j2	0.62633	0.21072	-1.5716	0.0004737	0.0077828
Cnpy2	4.68005	4.35205	-0.104829	0.623333	0.852781
Cnpy2_j2	16.0949	15.0123	-0.100462	0.545092	0.811986
Cs	15.8029	15.4409	0	1	1
Cs_j1	82.9773	79.1619	0	1	1
Ankrd52	18.5312	15.8448	0	1	1
Ankrd52_j1	2.41783	2.90394	0	1	1
Rnf41	13.3291	9.68646	0	1	1
Smarcc2	7.08958	7.18042	0	1	1
Wibg	2.81373	2.1732	0	1	1
Pym	0.670429	1.493	0	1	1
Pym_j4	1.16037	1.30468	0	1	1
Dnajc14	3.01264	2.57842	0	1	1
Cd63_j7	0.290053	0.808372	1.4787	0.0586098	0.284547
Itga7_j1	45.6206	89.7477	0	1	1
Itga7	12.4587	20.6229	0	1	1
Itga7_j5	0.0120531	0.0801204	0	1	1
Oprm1	6.21729	5.95603	0	1	1
XLOC_002621	0.178566	0.148016	-0.270708	0.753911	0.915071
Myct1	0.441523	0.512232	0.214309	0.449838	0.755765
Esr1_j4	0.506451	0.228053	0	1	1
Esr1	0.477451	0.535326	0	1	1
Esr1_j5	0.213486	0.061114	0	1	1
1700052N19Rik	3.86873	3.56313	-0.118715	0.487855	0.778453
Akap12_j3	10.7479	7.30066	0	1	1
Akap12_j4	0.417389	4.51514	0	1	1
Akap12_j5	0.840173	0.18885	0	1	1
Mthfd1l	4.02346	4.24557	0	1	1
Plekhg1_j3	0.0850572	7.65E-05	0	1	1
Plekhg1	1.39693	0.45861	0	1	1
lyd_j1	0.349316	0.0878834	-1.99087	0.124464	0.439692
Ppp1r14c_j1	2.52743	1.25245	0	1	1
Ppp1r14c	2.94449	2.78991	0	1	1
Pcmt1_j5	1.7099	5.32001	0	1	1
Pcmt1_j6	2.52205	1.904	0	1	1
Pcmt1	68.3241	59.5968	0	1	1
BC013529_j1	1.60288	2.48229	0	1	1
BC013529	5.57578	5.54564	0	1	1
Tab2	6.4168	4.63224	0	1	1
XLOC_002636	0.092008	0.0838211	-0.134446	0.898249	1
Ust_j5	0.152551	0.223355	0	1	1
Ust_j4	0.573374	0.341862	0	1	1
Ust_j3	0.161852	0	0	1	1
Sash1_j2	0.910776	0.867994	0	1	1
Sash1	0.957367	0.673776	0	1	1
Samd5	0.426849	0.40524	-0.0749504	0.77875	0.925532

Stxbp5_j3	1.57908	2.43104	0	1	1
Stxbp5	6.42007	6.55824	0	1	1
9130014G24Rik_j1	0.292949	0.335944	0.19757	0.671916	0.876137
9130014G24Rik_j8	0.142657	1.82E-05	-12.935	0.954201	0.98677
9130014G24Rik_j7	0.0679792	0.147884	1.1213	0.0510435	1
Rab32_j2	0.0481836	0.0349567	-0.462974	0.778603	1
Rab32	0.537709	1.0754	0.999975	0.0015036	0.0197772
Utrn_j5	3.42254	0.991147	0	1	1
Utrn_j7	2.04789	1.51306	0	1	1
Utrn_j8	1.32967	1.24699	0	1	1
AK045519_j1	0.193833	0.170296	-0.186773	0.81741	0.940822
Stx11	0.130898	0.0511814	-1.35476	0.160025	1
Stx11_j1	0.148986	0.251684	0.756436	0.151353	0.482423
Stx11	0.441249	0.37231	-0.245089	0.510445	0.791113
Stx11	0.258654	0.495019	0.93646	0.0153602	0.117024
Ltv1	5.88717	3.795	0	1	1
Phactr2_j5	7.40224	10.9332	0	1	1
Pex3	10.2014	9.04938	-0.172876	0.149597	0.47913
Aig1	30.2863	24.9697	-0.278487	0.0098388	0.0847209
Gpr126_j1	1.52096	1.28024	0	1	1
Vta1	20.7722	20.4679	-0.0212897	0.856354	0.954582
Heca	3.54787	2.95136	0	1	1
3110003A17Rik_j1	2.5621	2.99912	0.22721	0.505462	0.78827
3110003A17Rik	1.83635	2.50504	0.447992	0.13602	0.458852
Ccdc28a	24.5558	23.0107	-0.0937587	0.39894	0.72264
Hebp2	26.9718	21.2591	-0.343372	0.0008344	0.0123961
D10Bwg1379e	1.80227	1.46605	0	1	1
Tnfaip3	0.650724	0.276718	-1.23363	0.0003986	0.0067518
Slc35d3_j1	0.590635	0.328731	-0.845356	0.0974466	0.385835
Slc35d3	0.598056	0.368322	-0.699314	0.0770577	0.335773
Pex7	7.36752	6.62896	-0.152397	0.183984	0.524679
Pde7b_j2	0.716366	0.932833	0	1	1
Pde7b	1.1571	0.909445	0	1	1
Tbpl1_j1	1.10985	0.815992	-0.443734	0.348393	0.686685
Tbpl1_j2	2.4699	1.00679	-1.29469	1.91E-05	0.0005351
XLOC_002674	0.0805282	0.0204547	-1.97706	0.508818	1
Rps12_j5	0.104447	8.64E-05	-10.2388	0.917492	1
Rps12_j8	0.493482	0.621874	0.333625	0.46645	0.766108
Rps12_j13	0.876781	0.93559	0.0936606	0.882068	0.962591
Enpp1	2.335	2.33148	-0.00218113	0.986957	0.996237
Enpp3	0.234754	0.145892	-0.686243	0.107222	0.407014
Arg1	0.264186	0.465616	0.817585	0.0506995	0.260788
XLOC_002680	0.197798	0.106078	-0.89891	0.414501	0.732858
Akap7_j8	0.0599688	0 -1.79769e+308	0.0326247		1
Akap7_j9	0.367825	0.310459	-0.244615	0.63886	0.860184
Tmem200a_j1	7.8022	6.73168	-0.212915	0.0908412	0.370489
Tmem200a	2.47509	2.22874	-0.151257	0.366737	0.700273

L3mbtl3_j8	0.229694	0.112054	0	1	1
L3mbtl3_j4	0.133453	0	0	1	1
Lama2_j6	0.185155	0.129133	-0.519881	0.207861	0.552228
Rnf146	6.5243	3.67611	0	1	1
Rnf146	3.98393	5.09223	0	1	1
Rnf146	3.15847	2.99822	0	1	1
Cenpw	0.551992	0.531459	-0.0546875	0.889936	0.965032
Trmt11_j3	1.1367	0.544041	-1.06306	0.0106163	0.0893937
Trmt11	1.69747	1.75397	0.0472426	0.841149	0.949877
Hint3	17.3829	14.419	-0.269699	0.0031415	0.0357663
Ncoa7_j1	23.9573	21.9195	0	1	1
Ncoa7_j2	7.31461	5.9246	0	1	1
Hey2	15.9109	14.5307	-0.130905	0.203777	0.547976
Tpd52l1	2.34743	2.13823	-0.134665	0.595066	0.838618
Tpd52l1	0.67321	0.44327	-0.602872	0.293108	0.640163
Tpd52l1	1.62356	0.946822	-0.777995	0.0396654	0.222679
Rnf217	2.01121	2.07537	0.0452995	0.705258	0.892225
Clvs2	3.22798	3.15559	-0.032722	0.841478	0.949916
Clvs2_j1	0.61282	0.806541	0.396283	0.281306	0.629634
Zufsp	2.41496	2.39721	-0.0106404	0.956846	0.987617
Rwdd1_j2	0.1901	0.143591	0	1	1
Fam26d	1.39907	1.04703	-0.418174	0.0315914	0.192235
Dse	1.81172	1.56344	0	1	1
AK038624_j2	13.4835	0	0	1	1
Nt5dc1	0.188678	0.169924	-0.151038	0.804341	0.935135
Nt5dc1	0.463113	0.50797	0.133381	0.69237	0.886118
Nt5dc1	0.243297	0.181058	-0.426264	0.466253	0.765976
Marcks	6.58999	9.19692	0.480876	8.52E-06	0.0002695
1700025K23Rik	6.68508	6.59708	-0.0191183	0.926503	0.977218
1700025K23Rik	1.46848	1.28091	-0.197153	0.680097	0.879617
Wisp3_j2	0.0970144	0	-1.79769e+308	0.036965	1
XLOC_002715	0.379223	0.195388	-0.956704	0.0207026	0.144261
XLOC_002715	0.147212	0.115181	-0.354	0.473304	0.770096
Gm16365_j5	1.62901	1.04086	0	1	1
Gm16365_j4	1.05671	0.816317	0	1	1
E130307A14Rik	0.611089	0.464668	-0.39518	0.0973917	0.385743
AK164126_j4	1.73523	1.44452	-0.264535	0.305185	0.650262
AA474331_j6	0.19025	0.312199	0.71457	0.148058	0.476816
AA474331	1.23514	0.442187	-1.48194	1.30E-05	0.000388
AA474331_j4	0.683783	1.15407	0.75512	0.0087174	0.0773614
Al317395_j1	0.279398	0.370466	0.407018	0.376528	0.708503
Al317395_j2	0.00343015	0.267707	6.28624	0.0880029	0.363206
Slc16a10_j3	0.157641	0.0227899	-2.79018	0.0985408	0.388048
Slc16a10	0.0967694	0.217558	1.16878	0.0915379	0.371836
Rpf2_j3	0.397557	0	0	1	1
Rpf2_j2	4.02492	3.52871	0	1	1
Amd2_j1	0.1509	0.0885792	-0.768552	0.423701	0.739059

Cdc40	2.65858	2.53414	0	1	1
Fig4	19.9766	17.5468	-0.187107	0.0533134	0.268707
Ccdc162_j2	0.310075	0.232821	-0.413392	0.482783	0.77583
Ccdc162_j3	0.0507407	0.148791	1.55208	0.177783	1
Ccdc162_j4	0.240865	0.0253673	-3.24718	0.0170494	0.126012
Ccdc162_j12	0.585714	0.644943	0.138976	0.681072	0.880154
Armc2_j2	0.190921	0.149727	-0.350642	0.566554	0.824551
Armc2	0.175098	0.105947	-0.724813	0.19929	0.542218
Armc2_j4	0.198811	0.395193	0.99116	0.144517	0.471765
Foxo3_j1	4.00426	3.38414	0	1	1
Foxo3	3.60551	3.54129	0	1	1
Lace1_j1	0.413717	0.816808	0	1	1
Lace1	2.34921	1.91228	0	1	1
Lace1_j2	0.928742	0.674541	0	1	1
Qrsl1	8.14356	7.39336	-0.139429	0.237378	0.584096
Lin28b_j8	0.0708454	0 -1.79769e+308		0.000677	1
Lin28b_j9	0.100611	0.085189	-0.240043	0.710997	1
Lin28b_j10	0.116153	0.00161901	-6.16477	0.152047	1
Grik2_j2	0.572264	0.546675	0	1	1
Gopc	16.0903	15.6957	-0.0358169	0.703065	0.891251
Gm9766_j2	1.33558	0.703101	0	1	1
Gm9766_j1	1.11621	1.23716	0	1	1
Mcm9_j2	0.213927	0.151724	-0.495665	0.299934	0.646531
Fam184a_j3	1.37504	1.08793	0	1	1
Fam184a_j2	0.700279	0.620349	0	1	1
Fam184a_j4	0.158563	0.0950715	0	1	1
Man1a	0.931147	2.31804	1.31582	8.44E-15	1.62E-12
D630037F22Rik	1.58921	1.35285	-0.232307	0.138095	0.462045
Serinc1	89.5337	86.0812	0	1	1
Sept10	0.944145	1.00695	0.0929125	0.658816	0.870342
Ccdc109a_j1	6.03545	6.04842	0	1	1
Ccdc109a	2.42042	2.67834	0	1	1
Ddit4	6.75182	5.98763	-0.17329	0.32431	0.667432
Anapc16	13.105	15.5466	0.246484	0.0335298	0.200119
Chst3_j5	0.182838	4.38E-05	-12.0275	0.89627	0.967019
Chst3	0.23336	0.199982	-0.222687	0.574791	0.828142
Slc29a3	1.17459	1.27269	0	1	1
Slc29a3_j2	1.1713	1.22631	0	1	1
Unc5b	0.201314	0 -1.79769e+308		3.46E-08	2.14E-06
Unc5b	0.962725	0.809349	-0.250361	0.25537	0.603928
Sgpl1_j3	6.66159	9.08368	0	1	1
Sgpl1	5.58638	6.23775	0	1	1
Sgpl1	1.10663	3.09712	0	1	1
Sgpl1_j2	2.92206	0.812064	0	1	1
Adamts14_j2	0.0620933	0.146989	1.2432	0.110196	1
X99384_j3	1.19374	0.938183	0	1	1
X99384_j4	0.358159	0.144944	0	1	1

X99384	1.22097	0.939599	0	1	1
Eif4ebp2	7.29949	7.8414	0.103314	0.301866	0.648067
H2afy2	1.972	2.03945	0.0485275	0.75708	0.916197
Col13a1_j6	0.0308347	0.113949	1.88576	0.206232	1
Col13a1_j9	0.138917	0.0759823	-0.870487	0.338033	0.678523
2010107G23Rik_j1	2.31602	2.08421	0	1	1
2010107G23Rik	6.89342	6.97603	0	1	1
2010107G23Rik	8.35509	7.48608	0	1	1
Tspan15	14.762	17.2025	0.220732	0.0218035	0.149581
Hk1_j6	8.14766	5.15539	0	1	1
Hk1_j7	0.224839	0.410062	0	1	1
Hk1	17.1626	14.5814	0	1	1
Hk1_j8	2.89949	2.3108	0	1	1
Supv3l1_j3	0.673817	0.574663	0	1	1
Supv3l1	0.4126	0.183181	0	1	1
Vps26a	20.3753	19.0447	0	1	1
Srgn_j1	5.05094	6.36734	0.334138	0.0562049	0.277404
2510003E04Rik	32.3909	32.6007	0.00931552	0.918835	0.974658
Ddx21	3.80454	4.00148	0	1	1
Ddx50_j3	0.0979889	0.0302767	0	1	1
Stox1_j2	0.0961295	0.100222	0.0601445	0.948217	1
Ccar1_j5	2.41156	3.89074	0	1	1
Ccar1	5.00707	4.36907	0	1	1
Sirt1_j1	1.44276	1.92005	0.41231	0.0977009	0.386277
Sirt1	2.19945	1.85298	-0.247298	0.197011	0.539845
Lrrtm3	1.56071	2.34709	0.588675	0.000299	0.0053343
Reep3	4.98686	4.79888	-0.0554328	0.640538	0.861161
Nrbf2_j1	8.85479	10.4606	0	1	1
Ado	5.83748	5.43724	-0.10247	0.378421	0.710052
Zfp365_j1	2.31866	0.00109898	0	1	1
Zfp365	10.4828	7.54622	0	1	1
Arid5b_j1	1.56003	1.45536	0	1	1
Arid5b	1.44189	1.23293	0	1	1
Arid5b	0.671276	0.699774	0	1	1
AK044689_j1	0.102598	0.120112	0.227381	0.804001	1
AK044689	0.579917	0.429907	-0.431822	0.123732	0.438193
Cdk1	0.823402	0.953237	0.211237	0.48923	0.779561
Phyhipl	8.85367	8.07115	0	1	1
Phyhipl_j2	39.168	41.5939	0	1	1
Bicc1	0.77663	0.790243	0	1	1
Bicc1	0.119395	0.00371574	0	1	1
Tfam	5.67898	4.70125	-0.272588	0.0243669	0.161438
Ube2d1_j1	12.828	14.8161	0	1	1
Ube2d1	13.1273	12.4735	0	1	1
Cisd1	35.8455	32.3382	-0.14855	0.162533	0.498004
Cisd1_j2	68.2195	65.2307	-0.0646337	0.573157	0.827443
1110038D17Rik	7.96514	7.8798	0	1	1

Al646023_j1	8.55939	10.5929	0	1	1
Al646023	4.09838	4.21951	0	1	1
Susd2_j6	9.19527	11.0105	0.259922	0.0235127	0.157319
Cabin1_j2	3.38393	3.59824	0	1	1
Cabin1	3.70738	3.7088	0	1	1
Ddt	41.7653	42.1698	0.0139057	0.900228	0.968284
Gstt3	1.31201	1.23136	-0.0915218	0.685999	0.882933
Gstt1	9.32374	9.4431	0.0183516	0.903988	0.969335
Gstt2	0.931679	0.792457	-0.233502	0.47178	0.769131
Gstt2_j1	0.137646	0.0394476	-1.80295	0.293413	0.640286
Mif_j2	24.8789	25.7679	0.0506515	0.729131	0.903998
Mif	1.08195	0.545554	-0.987835	0.0777999	0.337708
Smarchb1	2.70952	3.78639	0.482783	0.0110004	0.0919287
Smarchb1	4.32184	4.46261	0.0462427	0.782675	0.926648
Mmp11	0.713693	0.796255	0.157929	0.618712	0.850231
Prmt2	7.85807	7.68404	-0.0323103	0.818563	0.941149
Prmt2	25.8172	31.2429	0.275196	0.0034932	0.0388803
Pcnt_j1	1.64926	1.54002	0	1	1
Pcnt_j2	0.239578	0.135242	0	1	1
Ybey	0.165423	0.615943	1.89664	5.46E-07	2.44E-05
Col6a2	1.40806	1.81946	0	1	1
Col6a1	1.80912	2.59365	0.519696	0.0020423	0.0253943
Pcbp3_j4	47.1944	57.0564	0	1	1
Pcbp3_j16	0.0923484	0	0	1	1
Pcbp3_j17	1.01495	1.98151	0	1	1
Pcbp3_j18	37.9027	32.2998	0	1	1
Col18a1	0.494021	0.390915	-0.33772	0.141727	0.468312
Gm10941	0.0938463	0.0391128	-1.26266	0.373856	1
Adarb1	1.46799	1.08161	0	1	1
Adarb1	1.6066	1.94147	0	1	1
1810008A18Rik	9.63268	10.4361	0.115577	0.316491	0.660085
Lrrc3_j1	0.53988	7.03E-05	0	1	1
Lrrc3	3.80286	3.60338	0	1	1
Trpm2	3.53563	2.20688	-0.67996	1.97E-06	7.49E-05
Pfkl	0.176011	0.268694	0.610294	0.124658	0.43989
D10Jhu81e_j1	4.89464	4.42296	-0.146189	0.208369	0.552338
D10Jhu81e_j3	0.862993	0.178792	-2.27107	0.0442453	0.239879
Pwp2_j1	1.39224	1.3775	0	1	1
Pwp2	3.64091	3.39138	0	1	1
Trappc10_j1	15.8764	14.3031	-0.150557	0.0994375	0.390325
Trappc10	1.98215	1.38612	-0.516012	0.0028368	0.0329294
Agpat3_j2	0.330198	0.116666	-1.50095	0.003494	0.0388804
Agpat3_j3	0.293291	0.449128	0.614795	0.0671095	0.309734
Agpat3_j4	0.112476	0	-1.79769e+308	1.51E-05	1
Rrp1_j4	1.90597	0	0	1	1
Rrp1	9.69244	9.9254	0	1	1
Pdxk	6.00893	5.576	-0.10788	0.32382	0.666883

Syde1	0.138867	0.103219	0	1	1
Ccdc105_j1	0.134346	0.0645711	-1.057	0.178438	1
2610008E11Rik	2.39041	3.23588	0	1	1
Ppap2c	5.97305	7.12058	0	1	1
Ppap2c_j1	2.32861	2.75319	0	1	1
Mier2	4.80055	5.87898	0	1	1
Polrmt	5.04502	4.45268	-0.180186	0.152025	0.483426
Rnf126	11.1298	9.97708	0	1	1
BC005764_j1	0.473026	0.250141	-0.919178	0.0792925	0.341916
BC005764	3.32804	4.78369	0.523455	0.0007137	0.0108992
Med16_j1	7.60617	8.87958	0	1	1
Med16	0.703727	0.128821	0	1	1
C030046I01Rik_j1	28.27	27.7323	-0.0277017	0.802349	0.934274
C030046I01Rik	5.99568	6.64232	0.147766	0.214623	0.560036
ORF61	10.3373	14.0147	0.439083	0.0010818	0.0152025
ORF61	42.3082	44.3657	0.0685069	0.466099	0.765927
Polr2e	27.0363	27.0328	-0.000185601	0.998615	0.999415
Sbno2_j5	0.256975	0.487792	0	1	1
Dos_j1	0.118573	0.0301403	0	1	1
Gamt	20.5112	17.3164	-0.244271	0.0397602	0.222986
2310011J03Rik	16.4741	18.264	0.148802	0.0938848	0.37753
Pcsk4_j7	0.319589	0.194556	-0.716032	0.465124	0.765045
Adamts15_j2	0.613378	0.712704	0.216526	0.433374	0.744767
Mex3d	6.81747	9.12149	0.420033	0.0004578	0.0075641
Mbd3	30.1612	33.1921	0.138146	0.177127	0.516263
Mbd3_j1	1.9585	2.34366	0.259016	0.0821338	0.349173
Tcf3	1.50815	0.787842	0	1	1
Atp8b3_j1	0.170099	0 -1.79769e+308	0.0051041	0.0515156	
Atp8b3_j2	0.056178	1.84E-05	-11.5755	0.98637	1
Rexo1_j3	3.5518	3.31308	0	1	1
Rexo1	3.19011	2.81841	0	1	1
Fam108a_j1	1.80358	1.92302	0.0925091	0.683284	0.881397
Fam108a_j3	1.17795	1.69016	0.52088	0.162453	0.497967
Fam108a_j4	2.42852	3.11179	0.357665	0.191054	0.533209
Btbd2_j2	10.9572	8.60589	0	1	1
Btbd2	2.5079	2.77128	0	1	1
Mknk2	3.49498	3.80775	0	1	1
Mknk2_j1	6.56704	7.4386	0	1	1
Mobkl2a_j2	0.21499	0 -1.79769e+308	7.00E-05	0.0015845	
Mobkl2a	1.79362	1.95842	0.126812	0.396769	0.721313
Ap3d1_j5	27.3837	29.098	0	1	1
Ap3d1	23.4918	20.6289	0	1	1
Plekhj1_j1	1.58091	2.21378	0.485759	0.0004246	0.0071077
Plekhj1	2.14222	2.60169	0.280345	0.0202925	0.142299
Jsrp1_j2	0.146265	0.207753	0.506283	0.505907	0.78857
Jsrp1_j1	0.0506774	0.0903314	0.833885	0.589169	1
Lingo3	1.46124	0.748909	-0.964335	9.94E-06	0.0003083

Lsm7_j2	2.11422	1.6278	-0.377201	0.16838	0.505047
Timm13_j1	0.527853	0.598875	0.182118	0.473729	0.7701
Timm13_j3	0.571546	0.457433	-0.32131	0.70274	0.891161
Gng7	5.25436	3.91826	-0.423302	0.001444	0.0191414
Diras1	45.2151	36.4883	0	1	1
Sgta_j1	3.45987	3.54974	0	1	1
Sgta	20.2972	22.6216	0	1	1
Pias4	12.8358	13.2875	0.0498984	0.642219	0.862006
Atcay_j3	6.99536	9.94718	0	1	1
Atcay	16.2558	14.1741	0	1	1
Hmg20b_j1	0.152299	0	0	1	1
Hmg20b	5.30077	8.26379	0	1	1
Hmg20b_j4	3.28233	2.6965	0	1	1
Fzr1	10.7058	9.68456	-0.14463	0.159466	0.493951
Nfic_j2	0.1142	0	0	1	1
Nfic	26.6529	19.7919	0	1	1
Nfic	9.12877	7.21328	0	1	1
Celf5_j8	0.600386	0.655285	0	1	1
Celf5	0.3058	0.262037	0	1	1
Celf5_j3	0.449245	0.37354	0	1	1
Ncln	9.63735	9.51477	0	1	1
Gna11	19.6754	19.6513	0	1	1
Sirt6_j2	0.578514	0.65696	0.183454	0.688247	0.884104
Sirt6	8.07208	9.54421	0.241685	0.0747963	0.329991
AK136722_j2	0.450666	0.421597	-0.0961924	0.84572	0.951231
XLOC_002912	0.0880405	0	-1.79769e+308	0.0005733	1
1190007I07Rik	0.470218	0.2966	-0.664813	0.540346	0.80885
1190007I07Rik	1.84098	1.66752	-0.142766	0.637011	0.859465
Glt8d2	0.325173	0.188876	-0.783769	0.0169755	0.1256
Nfyb_j2	3.18755	2.5469	0	1	1
Nfyb	4.11959	4.84232	0	1	1
Slc41a2_j2	0.15333	0	0	1	1
Slc41a2_j1	0.0766712	0	0	1	1
Slc41a2	2.83992	1.21976	0	1	1
Aldh1l2_j2	0.0888999	0.0388919	-1.19271	0.082144	1
Aldh1l2	0.443276	0.430173	-0.043289	0.852439	0.953251
Appl2	7.42175	6.82813	0	1	1
Nuak1_j2	6.56046	3.72654	0	1	1
Nuak1	0	0.236409	0	1	1
Ckap4_j1	4.49211	5.76422	0	1	1
Ckap4	8.65857	9.02754	0	1	1
Mterfd3_j2	0.735709	0.869942	0	1	1
Mterfd3	3.98652	3.60744	0	1	1
Cry1_j1	1.19283	1.20336	0	1	1
Cry1	2.61578	1.89566	0	1	1
Prdm4	7.23623	5.84562	0	1	1
D10Wsu52e	48.5443	48.2245	-0.00953589	0.916311	0.973929

Syn3_j1	1.20689	1.07732	0	1	1
Hsp90b1_j2	18.3292	22.3797	0	1	1
Hsp90b1_j3	0.110469	0.0899319	0	1	1
Dram1_j4	0.0761282	0 -1.79769e+308	0.0127446		1
Dram1_j5	0.0520939	0 -1.79769e+308	0.133849		1
Chpt1	0.132953	0.146843	0.143356	0.759367	1
Chpt1_j1	0.283157	0.163466	-0.792609	0.054156	0.271275
Chpt1_j3	1.04064	0.986676	-0.0768178	0.784367	0.927501
Utp20_j1	0.0634271	0.131838	0	1	1
Utp20	0.555023	0.460661	0	1	1
Ano4_j7	1.47502	1.36769	0	1	1
Gas2l3_j5	0.09106	0	0	1	1
Gas2l3	0.563842	0.454682	0	1	1
Slc17a8_j1	0.0891571	0 -1.79769e+308	0.0012728		1
Slc17a8	0.776381	0.557199	-0.478572	0.0763113	0.333774
Scyl2_j2	0.144008	0	0	1	1
Scyl2_j4	0.031867	0.0719934	0	1	1
Actr6	1.92262	1.45634	-0.40073	0.139917	0.465344
Apaf1	0.30268	0.356117	0	1	1
Apaf1	0.23657	0.276772	0	1	1
Apaf1_j4	0.168059	0.175216	0	1	1
Slc25a3	53.5876	56.8586	0	1	1
Tmpo	0.738111	0.987111	0	1	1
Tmpo	0.727123	0.675977	0	1	1
Tmpo	0.941145	1.0019	0	1	1
Tmpo	0.95597	0.469378	0	1	1
Rmst_j4	0.0735647	0.189029	1.36152	0.252432	0.600447
Nedd1	0.890241	0.891043	0.00130011	0.995472	0.998731
BC065048_j4	0.147484	0.168988	0.196368	0.816652	0.940333
XLOC_002952	0.238036	0.0713377	-1.73845	0.132973	0.453791
Elk3	2.62972	3.54833	0.432229	0.0018046	0.023038
Snrpf_j1	0.0746575	0.0282072	-1.40423	0.479202	1
Metap2_j1	4.6286	4.88205	0	1	1
Vezt	2.18832	3.67069	0	1	1
Vezt_j8	4.31835	5.12445	0	1	1
4932415G12Rik	0.605162	0.499618	-0.276496	0.279574	0.628297
4932415G12Rik_j4	0.175643	0.00504948	-5.12037	0.0185266	0.133706
Plxnc1_j5	19.0606	18.0603	0	1	1
Plxnc1	12.6646	10.3205	0	1	1
Cradd	0.325103	0.278531	-0.223059	0.673663	0.877015
Cradd_j1	0.756746	0.695156	-0.122474	0.744362	0.910803
Socs2	5.34855	5.18752	0	1	1
Mrpl42_j4	0.514242	0.258288	-0.993465	0.314943	0.659055
Mrpl42_j5	1.90001	1.72487	-0.139521	0.742414	0.909901
Nudt4_j2	13.5514	13.5066	0	1	1
Nudt4	23.0724	23.6477	0	1	1
Tmtc3_j2	1.57036	2.31103	0	1	1

Tmtc3_j3	0.755065	5.32E-05	0	1	1
Tmtc3	1.05504	0.206805	0	1	1
4930430F08Rik	7.07049	6.53817	-0.112924	0.398926	0.72264
Nts	26.3234	95.4057	1.85773	0	0
Lrriq1_j2	0.204734	0.112799	-0.86	0.051275	0.262334
Tmtc2_j4	4.28113	3.8889	-0.138629	0.292599	0.639603
Tmtc2	0.692479	0.628716	-0.139363	0.511675	0.79169
BC067068	0.372621	0.348562	-0.0962955	0.838344	0.948494
Acss3_j5	0.138164	0.0654779	-1.0773	0.370511	0.703609
XLOC_002980	0.130048	0 -1.79769e+308		0.0223243	1
Syt1_j1	1.72543	3.98541	0	1	1
Syt1_j7	1.31383	0	0	1	1
Nav3_j6	0.328242	0.00397581	-6.36737	0.0026316	0.031065
Nav3_j7	0.212479	0.162265	-0.388973	0.276003	0.624922
Zdhhc17_j7	5.09928	7.76706	0	1	1
Zdhhc17	7.72264	6.41936	0	1	1
Zdhhc17_j2	8.43789	5.49705	0	1	1
XLOC_002988	0.352663	0.221769	-0.669231	0.487196	0.778145
Atxn7l3b	32.4005	33.835	0.0624985	0.472232	0.769316
Trhde_j1	0.533361	0.396922	-0.426258	0.119929	0.431165
Trhde	0.312121	0.245202	-0.348132	0.339593	0.679866
Tph2_j3	0.434932	0.438389	0.0114216	0.980777	0.994152
Tbc1d15	9.58893	8.3787	-0.194644	0.0844505	0.354727
Rab21	6.67787	6.22703	0	1	1
Tmem19_j4	1.07508	1.0917	0	1	1
Lgr5	2.216	1.55553	0	1	1
Kcnmb4	18.5798	24.0154	0.370221	0.0027009	0.0317748
Cnot2_j7	1.96969	1.74759	0	1	1
Cnot2_j8	1.88548	1.97022	0	1	1
Cnot2	1.55495	1.7392	0	1	1
Rab3ip	2.5902	1.39876	0	1	1
Rab3ip	4.99522	4.98544	0	1	1
Cct2	87.701	95.5862	0.124209	0.14872	0.477528
Frs2_j2	0.780704	0.397485	0	1	1
Frs2_j3	0.2902	0	0	1	1
Frs2	2.86423	2.55262	0	1	1
Yeats4	13.4923	14.7807	0.13157	0.250405	0.598108
Lyz2	11.277	22.7449	0	1	1
Cpsf6_j1	3.93227	3.15293	-0.318672	0.0211559	0.146415
Cpsf6	0.450106	0.523775	0.218684	0.476222	0.77201
Cpsf6	0.790964	0.2438	-1.69792	3.52E-06	0.0001244
Mdm2_j3	2.81886	3.72679	0	1	1
Mdm2_j4	1.48528	1.75038	0	1	1
Mdm2	3.15684	3.57399	0	1	1
Slc35e3_j3	0.145029	0.0685006	-1.08216	0.300375	0.646996
Nup107	5.91944	5.21702	-0.182235	0.160679	0.495357
Rap1b	23.0347	24.9727	0	1	1

Dyrk2	0.430698	0.431257	0.00187052	0.995362	0.998726
Dyrk2_j3	0.0732158	0.0972416	0.40942	0.542997	1
Dyrk2_j2	0.327683	0 -1.79769e+308		1.21E-11	1.44E-09
Cand1	16.389	13.4144	0	1	1
AK135691_j1	0.253572	0.117451	-1.11034	0.0281846	0.178163
Helb	0.1966	0.0397057	-2.30784	0.0131197	0.104703
Irak3	1.51074	2.23501	0.56502	0.0002328	0.0043457
Msr3	1.62494	1.55458	-0.0638636	0.744497	0.910838
Msr3_j1	0.160416	0.117611	-0.447792	0.526771	0.801217
Lemd3	4.05949	3.94565	-0.0410372	0.767132	0.920598
Tbc1d30_j3	6.10358	6.68011	0	1	1
Tbc1d30	2.1983	1.71865	0	1	1
Rassf3_j1	1.77543	1.2336	0	1	1
Rassf3	5.51504	3.94179	0	1	1
Tbk1	16.5833	15.2047	-0.125215	0.211217	0.555994
Xpot_j6	1.51893	1.2512	0	1	1
Xpot_j8	0.899958	0.864347	-0.0582474	0.896506	0.967019
Srgap1_j2	1.15029	1.44705	0	1	1
Srgap1	4.10456	3.87416	0	1	1
Tmem5	0.414223	0.440375	0.0883278	0.867346	0.958108
Mon2_j5	2.89747	2.80059	-0.0490649	0.797294	0.932581
Mon2_j7	2.16858	1.94844	-0.154431	0.360783	0.695583
Mon2	2.11482	1.84537	-0.196627	0.169784	0.506768
Usp15	5.34425	5.15328	-0.0524948	0.596602	0.839571
Slc16a7_j5	0.257152	0.313139	0	1	1
Slc16a7_j7	0.000274697	0.139027	0	1	1
Slc16a7_j3	0.641572	0.411312	0	1	1
Slc16a7_j6	0.33068	0.157132	0	1	1
Xrcc6bp1_j1	1.05419	0.694828	-0.601401	0.443063	0.751132
Xrcc6bp1	0.824579	0.578415	-0.511552	0.188539	0.530139
Tsfm	12.4323	13.0254	0.067234	0.627265	0.854539
March9	6.50394	5.98143	-0.120824	0.332891	0.674
Tspan31_j2	6.01862	9.09466	0	1	1
Tspan31	32.449	31.7248	0	1	1
Os9	9.42589	11.7901	0.322879	0.003306	0.0372314
Slc26a10_j1	0.184744	0.18078	-0.0312925	0.968657	0.9911
Arhgef25_j4	22.8996	18.4403	0	1	1
Dtx3_j6	11.9268	10.7202	0	1	1
Pip4k2c	18.6573	17.1524	-0.121326	0.212734	0.557725
Kif5a_j12	108.459	122.983	0	1	1
Kif5a	4.64411	3.77266	0	1	1
Gli1_j2	0.226434	0.218216	-0.0533341	0.918975	0.974676
Gli1_j1	0.393317	0.421281	0.0990917	0.75267	0.914482
Shmt2	7.15431	9.1562	0.355936	0.006569	0.0626667
Nxph4	0.966613	1.12343	0.216904	0.386594	0.714571
Lrp1_j6	0.938014	0.8811	0	1	1
Lrp1	1.25303	1.08887	0	1	1

Lrp1_j9	1.36683	1.20173	0	1	1
Nab2_j3	6.00832	5.60552	0	1	1
Rbms2	1.47159	1.55746	0.0818221	0.544397	0.81114
Spryd4	2.55386	2.69904	0	1	1
Coq10a_j2	7.28741	6.86059	0	1	1
Obfc2b	18.2241	25.3627	0	1	1
Myl6_j3	72.4494	80.0187	0	1	1
Myl6_j4	3.18747	1.03072	0	1	1
Esyt1	71.085	93.0547	0	1	1
Zc3h10_j2	1.70266	2.13128	0	1	1
Zc3h10	3.25371	1.90937	0	1	1
Rpl41	26.3435	33.8424	0	1	1
Rpl41	31.9469	42.3662	0	1	1
Pa2g4	11.3091	13.3501	0.239373	0.0285665	0.179787
ErbB3_j1	4.81867	5.22457	0	1	1
ErbB3	5.30432	4.99284	0	1	1
Rps26_j1	1.2173	0.966203	-0.33329	0.573107	0.827416
Rps26	0.561002	0.386795	-0.536438	0.566061	0.824301
Ikzf4_j1	0.111892	0.05352	-1.06395	0.230263	1
Suox	6.14994	5.62536	-0.128627	0.333332	0.674372
Rab5b_j5	0.140396	0.0380908	-1.88199	0.0975445	0.385892
Cdk2	0.418327	0.507556	0.278937	0.468517	0.767098
Cdk2	0.341274	0.252792	-0.432981	0.416661	0.733896
Dgka_j3	0.506542	1.71948	0	1	1
Dgka_j4	0.168394	0.122319	0	1	1
Dgka_j5	0.178824	0	0	1	1
Dgka_j6	0.258758	0.141395	0	1	1
Ormdl2	1.3692	1.52577	0	1	1
Gdf11	8.89376	9.62441	0.113905	0.277444	0.62639
Rdh5_j3	1.53777	1.61394	0.069745	0.798866	0.933125
Rdh5_j6	0.0374112	0.0730726	0.96586	0.393089	1
Rdh5_j5	0.753696	0.807089	0.0987446	0.74691	0.911809
Vmn2r87_j1	0.126089	0.0603213	-1.06371	0.39409	1
Cnksr3_j1	0.562871	0.350845	-0.681971	0.118622	0.428668
Mtrf1l_j2	0	0.0555943	1.79769e+308	0.0292264	1
Syne1_j3	0.0806146	0	0	1	1
Rmnd1_j10	0.086655	0.135773	0.647836	0.5524	1
Rmnd1_j12	0.427373	0.487757	0.190667	0.662001	0.871832
Rmnd1_j19	0.766627	1.17554	0.616726	0.0111293	0.0927678
Lrp11	29.2049	25.5286	-0.194091	0.051077	0.261892
Ppil4_j1	0.513537	0.773541	0.591009	0.0978643	0.386642
Shprh_j3	0.0469737	0.189479	2.01211	0.0006376	0.0099645
Epm2a_j1	0	0.436898	0	1	1
Plagl1_j1	0.111287	0.33439	0	1	1
Fuca2_j1	6.23433	7.00772	0.16871	0.438123	0.747937
Hivep2_j1	1.64995	1.60814	-0.0370245	0.807875	0.936731
Reps1_j5	1.22686	0.895137	0	1	1

XLOC_002212	0.151688	0.136359	-0.153695	0.907294	0.970702
Map3k5_j1	0.120537	0.44124	0	1	1
Mtap7_j4	0.000480837	0.0720512	0	1	1
Mtap7_j5	0.542275	0.364936	0	1	1
Mtap7_j7	4.01747	4.7497	0	1	1
XLOC_002219	0.232933	0.152816	-0.608125	0.64779	0.86433
Fam54a_j1	0.0485575	0.0526978	0.118049	0.962097	1
Fam54a_j3	0.0992606	0.0828653	-0.260454	0.80954	1
Hbs1l_j1	0.0705111	0.101423	0.52446	0.769238	1
1110021L09Rik_j5	0.718863	0.390721	0	1	1
Moxd1_j4	3.13716	2.38553	-0.39515	0.101627	0.395002
Ctgf	1.08415	1.02143	-0.0859788	0.739639	0.908677
Med23_j1	0.116201	0 -1.79769e+308		8.78E-05	1
Epb4.1l2_j2	1.74024	1.05151	-0.726825	0.0132086	0.105239
Epb4.1l2_j1	0.426606	0.53333	0.322126	0.411425	0.730688
Epb4.1l2	4.37888	4.71408	0.106412	0.468464	0.767088
Epb4.1l2_j7	1.2496	1.54487	0.306018	0.211418	0.556171
9330159F19Rik_j3	0.570857	0.406748	0	1	1
Echdc1	4.58919	3.79474	0	1	1
XLOC_002242	0.321665	0.241354	-0.414405	0.61998	0.850928
Bet3l_j1	10.1849	7.36715	-0.467255	2.00E-05	0.0005554
XLOC_002245	0.145739	0.100701	0	1	1
XLOC_002245	0.200211	0.121743	0	1	1
Tspyl4	29.0469	14.64	0	1	1
Hs3st5	0	0.133803	0	1	1
Hs3st5_j2	4.53448	3.4353	0	1	1
Hdac2_j1	10.1836	20.0574	0	1	1
Lama4_j2	1.43858	1.17581	-0.290998	0.143163	0.470211
Tube1_j1	0.818501	0.570802	-0.519995	0.0956635	0.381847
Fyn_j4	6.69645	6.38579	0	1	1
Rev3l_j4	3.40037	4.24986	0	1	1
Rev3l_j5	1.72342	0.813609	0	1	1
Cdk19_j2	1.56136	1.98914	0	1	1
9030224M15Rik_j1	0.0599273	0.00727915	-3.04137	0.526682	1
Wasf1	3.17517	3.73851	0	1	1
Mical1_j2	5.94709	4.93741	-0.268429	0.0418877	0.231058
Mical1_j9	18.0822	24.4267	0.433887	0.0001622	0.0032241
Cd164_j2	102.126	91.3339	-0.161125	0.0601024	0.288687
Scml4_j1	0.258203	0 -1.79769e+308		5.03E-09	3.74E-07
Rtn4ip1_j3	8.87096	8.81146	-0.00970904	0.934543	0.979958
Popdc3_j1	0.32399	0.332609	0	1	1
Lilrb4_j10	0.0621719	0.150846	1.27875	0.184788	1
Hsf2_j1	0.289893	0.252846	-0.197264	0.795644	0.931954
Pkib	0.874283	0.982371	0.168168	0.504772	0.787836
Gcc2_j2	0	0.30112 1.79769e+308		5.39E-07	2.41E-05
Ranbp2_j1	0.646804	0.300391	0	1	1
Ccdc138_j7	0.0700255	0.18094	1.36956	0.135971	0.458734

Ccdc138_j8	0.162224	0.0464464	-1.80435	0.13658	0.459623
P4ha1_j4	1.99096	2.24675	0	1	1
Cbara1_j3	27.9868	26.4569	-0.081107	0.530862	0.803315
Dnajb12	4.02061	5.08115	0	1	1
Dnajb12_j1	1.25591	1.4985	0	1	1
Spock2_j2	204.158	152.235	0	1	1
Spock2_j4	188.382	188.123	0	1	1
Psap_j2	4.95517	5.27279	0.0896338	0.619987	0.850928
Lrrc20	1.29002	1.05763	0	1	1
Lrrc20_j3	5.51623	6.57653	0	1	1
Lrrc20_j5	1.02615	0.864273	0	1	1
Ppa1_j1	9.33127	13.9567	0	1	1
Tysnd1_j1	4.97162	5.74883	0.209552	0.311217	0.655964
Dna2_j2	0.0843063	0.112478	0.415928	0.677017	1
Jmjd1c_j11	3.061	4.22312	0.464308	0.0403283	0.225053
Rtkn2_j2	0.0562965	0.23646	2.07048	0.035314	0.207003
Rhobtb1_j2	0	0.0933792	1.79769e+308	0.0999157	1
Rhobtb1_j3	0.100429	0.143988	0.519777	0.490311	1
Ank3_j4	1.0184	1.19458	0.230201	0.204344	0.548495
Ank3_j9	11.7986	13.9432	0.240944	0.0137485	0.108056
Ank3_j14	12.0897	20.1797	0.73913	1.89E-07	9.39E-06
Fam13c	0.151162	0.13888	0	1	1
lpmk_j1	2.67331	3.55665	0	1	1
Gnaz_j4	0.7196	0.685814	0	1	1
Rab36_j2	0	1.33502	0	1	1
Specc1l_j1	4.40502	5.76398	0	1	1
Specc1l_j2	0.0649548	2.46514	0	1	1
Adora2a_j3	0.232515	0.0828415	-1.4889	0.0982875	0.387559
Ggt1_j2	0.000123021	0.165262	10.3916	0.958694	0.988076
Ggt5	2.01565	3.51508	0.802309	0.0001341	0.0027372
Derl3_j1	0.0722347	0.144839	1.00369	0.311874	1
Zfp280b_j2	2.80038	2.16308	0	1	1
S100b_j3	379.115	318.961	0	1	1
1700027D21Rik_j1	0.0494502	0.110463	1.15952	0.241474	1
Pofut2_j1	0	1.16276	1.79769e+308	3.40E-08	2.11E-06
Itgb2_j3	0.194097	0.306502	0.659121	0.276029	0.624922
Icosl_j2	0	0.20933	1.79769e+308	0.0022936	0.0278109
Gm16517_j1	28.3287	31.5095	0.153525	0.224351	0.57151
Gzmm_j1	2.2634	3.50042	0.629038	0.0001705	0.0033587
Fgf22	1.32405	1.39698	0	1	1
Fstl3_j4	0.844243	1.26289	0.581	0.0756872	0.332297
Palm	43.2229	46.8342	0.115765	0.212505	0.557606
Ptbp1_j1	0.0736158	0.0563101	0	1	1
Kiss1r	0.729476	0.704231	-0.0508119	0.820401	0.941839
Kiss1r_j2	0.153635	0.121636	-0.336932	0.550679	0.815501
Kiss1r_j1	0.0437759	0.108969	1.31571	0.0914183	1
Cnn2_j2	1.67413	2.35547	0.492603	0.0671517	0.309753

Abca7_j7	0.866829	0.323401	0	1	1
Hmha1_j3	0.199903	0.419378	1.06895	0.230545	0.577519
Hmha1_j4	0.215118	0.317924	0.563553	0.581551	0.832358
Hmha1_j6	0.0403958	0.223239	2.46631	0.142897	0.469774
Gpx4_j1	1.76893	2.56839	0.537987	0.0002991	0.0053343
Atp5d_j3	2.72969	4.3968	0	1	1
Cirbp_j5	4.02915	4.34033	0.107329	0.514852	0.793837
Mum1_j2	0	0.0922937	0	1	1
Mum1_j5	1.08117	1.10469	0	1	1
Ndufs7	15.5163	13.8056	-0.168525	0.226263	0.573441
Rps15_j5	1.07529	1.90846	0.827683	0.224459	0.571576
Izumo4_j2	4.90364	5.06308	0.0461607	0.84277	0.950279
Izumo4	10.1442	10.4327	0.0404483	0.818817	0.941291
Dot1l_j8	0.0301175	0.337917	3.48799	8.99E-07	3.79E-05
Dot1l_j9	0.110621	0.0679016	-0.704104	0.481867	1
Sf3a2_j2	0.0905999	0.256757	1.50282	0.0166456	0.123911
Amh_j2	0.216356	0.000322506	-9.38987	0.886963	0.964085
Sspl2b_j7	1.34841	1.36305	0.0155796	0.975528	0.992893
Eef2_j4	0.407791	0.424429	0.0576931	0.891769	0.965687
Zfr2	7.31281	6.87689	0	1	1
Matk	0.445995	0.48573	0	1	1
Apba3_j2	1.71267	3.06852	0	1	1
Dohh	24.9088	25.7419	0.0474605	0.647589	0.864202
BC025920_j1	0.124965	0.216139	0.79044	0.330715	0.672484
Ankrd24_j1	0.175544	0.078682	0	1	1
Ankrd24_j4	0	0.0883236	0	1	1
BC064812_j1	0.358955	0.2135	-0.749562	0.249192	0.596644
AU041133	1.4101	1.3673	-0.0444743	0.838678	0.948621
XLOC_002451	0.118161	0.0787049	-0.586232	0.574975	1
Mif1_j6	0.304645	0.339064	0.154431	1	1
Txnrd1_j2	11.5749	15.3497	0	1	1
Chst11	1.72705	1.81277	0	1	1
A230046K03Rik	9.27764	7.6073	0	1	1
A230046K03Rik_j4	7.58394	7.9301	0	1	1
Ric8b_j2	0.124112	0	0	1	1
XLOC_002469	0.0506278	0.309517	2.61202	0.12938	0.44831
Btbd11	0.910885	0.783745	0	1	1
BC030307	0.0339399	0.113891	1.7466	0.188277	1
BC030307_j9	0	0.060592	1.79769e+308	0.0709478	1
Igf1_j3	0.494859	0.772863	0.643197	0.12218	0.435216
Ccdc53	5.16603	4.88446	-0.0808558	0.738073	0.907854
Arl1_j1	31.5072	37.3602	0.245819	0.0145051	0.112282
AK048993	0.504871	0.400295	0	1	1
Uhrf1bp1_j4	13.482	12.9974	-0.0528112	0.586146	0.834297
Anks1b_j8	0.0906003	0.129552	0	1	1
Anks1b_j7	0.151777	0.504293	0	1	1
Ikbip_j1	3.72331	3.42827	-0.119104	0.635689	0.858773

Lta4h_j3	1.54209	1.3535	-0.188197	0.662429	0.872014
Fgd6_j2	0.856402	0.826755	-0.0508284	0.842788	0.950279
Tmcc3_j3	0	0.333368	0	1	1
Ccdc41_j2	5.94264	5.44813	-0.125342	0.442195	0.750452
Ube2n_j2	0.0536089	0 -1.79769e+308		0.0100972	1
XLOC_002513	0.153523	0.203201	0.40445	0.604448	0.843983
Eea1_j1	3.81254	3.02751	0	1	1
Epyc_j2	0.252257	0.209464	-0.268191	0.642682	0.862182
XLOC_002519	0.177173	0.150633	-0.234122	0.81646	0.940246
Atp2b1_j4	4.20188	3.95823	0	1	1
Kitl	0.0885717	0.368063	0	1	1
Kitlg_j3	0.536487	0.501183	0	1	1
Cep290_j3	1.36419	1.17051	-0.220909	0.242716	0.590089
Rassf9_j1	0.46676	0.480838	0.0428715	0.919363	0.974738
XLOC_002527	0.212834	0.154265	-0.464318	0.5877	0.835072
Gm15663	0.970446	0.767305	-0.338847	0.0846316	0.35511
Ppfia2_j1	0.325267	0.655969	1.012	0.0004306	0.0071841
Ppfia2_j11	3.92057	5.12134	0.385455	0.0691807	0.315322
Ppp1r12a_j2	1.1039	1.35206	0	1	1
Csrp2_j1	2.80107	2.96123	0.0802175	0.82364	0.943114
Osbp18_j1	0.275609	0.871202	0	1	1
Nap1l1_j7	9.97873	9.30312	0	1	1
Kcnc2_j2	1.51363	1.60069	0.080684	0.695787	0.887819
Zfc3h1_j6	9.43118	9.59037	0	1	1
Mdm1_j6	0.306522	0.423514	0.466419	0.230897	0.577971
Mdm1	0.29599	0.134997	-1.13262	0.070424	0.318901
Grip1	0.706088	0.777992	0	1	1
Llph_j8	0.259583	0.213285	-0.283414	0.558494	0.820112
XLOC_002569	0.192789	0.103299	-0.900203	0.31587	0.659833
Fam19a2_j5	0.0440569	0.171048	1.95696	0.0277268	0.176384
Avil_j4	37.6632	41.5468	0	1	1
Avil_j3	46.2613	30.0016	0	1	1
Avil_j12	1.57185	0.844749	0	1	1
Agap2_j2	4.49974	3.77542	-0.253206	0.0886937	0.36503
B4galnt1_j5	1.47726	1.31374	-0.169245	0.63034	0.856283
B4galnt1_j6	8.91443	11.996	0.428339	0.028078	0.177828
Dctn2_j1	157.818	154.213	0	1	1
Arhgap9_j2	0.116909	0.16121	0.463555	0.483279	0.775954
R3hdm2_j3	1.67953	1.2024	0	1	1
Stac3_j3	0.108552	0.0615567	-0.818393	0.445757	1
Stac3_j16	0.0624033	0 -1.79769e+308		0.0987431	1
Tmem194	0.393147	0.2757	-0.51197	0.346311	0.685483
Myo1a_j1	2.7617	3.94639	0	1	1
Myo1a_j6	1.31901	1.20875	0	1	1
Myo1a_j8	1.16324	0.829068	0	1	1
Prim1_j1	0.845651	1.51002	0.836438	0.0121932	0.0993683
Naca_j2	0.100295	0.113793	0.18216	0.85579	1

Naca_j1	0.466953	0.602975	0.368819	0.358829	0.694085
XLOC_002597	0.00901546	0.0839069	3.21832	0.306692	1
Ptges3_j1	1.6877	0.539451	-1.64549	2.09E-05	0.000576
Ptges3_j4	1.33979	1.67089	0.318617	0.133044	0.453967
Baz2a_j2	2.99639	2.83006	-0.082391	0.546459	0.81297
Gls2_j3	0.0624351	0	0	1	1
Stat2_j4	6.77994	9.9346	0	1	1
Smarcc2_j2	6.41999	7.25936	0	1	1
Smarcc2_j4	5.08382	5.86737	0	1	1
XLOC_002609	0.1526	0.0821273	0	1	1
Pym_j2	0.000620305	0.209529	0	1	1
Pym_j3	0.752392	1.24208	0	1	1
Pym_j5	2.14	2.55454	0	1	1
Dnajc14_j2	0.832588	0	0	1	1
Cd63_j10	0	0.0634671	1.79769e+308	0.166435	1
Itga7_j2	21.7555	42.4367	0	1	1
Itga7_j8	3.48823	8.53934	0	1	1
Esr1_j6	0.180928	0.052629	0	1	1
Mthfd1l	1.0223	0.341075	0	1	1
Plekhg1_j4	1.70432	1.43445	0	1	1
lyd	0.163583	0.242035	0.565192	0.357939	0.693676
Pcmt1_j7	24.2829	25.1213	0	1	1
Ust_j6	0.346537	0	0	1	1
Ust	8.64739	7.31321	0	1	1
Sash1_j4	0.425589	0.395014	0	1	1
Stxbp5_j1	0.564209	0.577669	0	1	1
Utrn_j3	0.797786	0.535673	0	1	1
Utrn_j6	1.42946	0.696323	0	1	1
Utrn_j2	11.7611	9.64906	0	1	1
Stx11_j2	1.20109	1.95649	0.703929	0.0028733	0.0332573
Ltv1_j1	1.90992	3.17043	0	1	1
Phactr2	2.74358	1.20089	0	1	1
Gpr126_j2	2.23547	2.17871	0	1	1
Gpr126_j3	0.141508	0.249281	0	1	1
Ccdc28a_j2	3.19519	3.03644	-0.0735224	0.788676	0.929506
Tbpl1	14.8575	17.2194	0.212844	0.0373828	0.214381
AK014660_j1	0.138258	0.122944	-0.169362	0.773941	0.923306
Akap7	0.67594	0.716039	0.0831431	0.828938	0.944763
Akap7_j6	0.55107	0.412179	-0.418966	0.320959	0.664116
Akap7_j5	1.99682	1.97341	-0.0170182	0.943103	0.982807
L3mbtl3_j7	0.320279	0	0	1	1
L3mbtl3	0.168183	0.721871	0	1	1
Lama2_j9	0.0795059	0.267526	1.75054	0.210463	0.55502
Lama2_j10	2.86069	3.05592	0.0952459	0.770263	0.921804
Trmt11_j2	0.183179	0.154521	-0.245452	0.756436	0.916036
Ncoa7	15.8683	14.2691	0	1	1
Nkain2_j5	0.0619055	0.0738557	0.254641	0.87363	1

Zufsp_j2	0.490741	0.0955141	-2.36118	0.0515261	0.263203
Rwdd1_j4	8.92389	8.94085	0	1	1
1700025K23Rik_j2	2.24341	1.58939	-0.497214	0.431183	0.743519
Gm16365	0.494968	0.910539	0.879385	0.0327837	0.197151
AK164126_j1	0.420839	0.523028	0.313621	0.192786	0.535072
AK164126_j2	2.44523	2.77633	0.18321	0.390372	0.717228
AK164126_j3	1.02655	1.02324	-0.00465898	0.987613	0.996374
AA474331_j1	0.181107	0.155688	-0.21819	0.663549	0.872642
Al317395	0.111455	0.034266	-1.70161	0.190996	1
Rpf2_j1	0	0.0730817	0	1	1
Rpf2_j10	0.48754	0.651544	0	1	1
Rpf2_j7	0.159434	0.499723	0	1	1
Fig4_j1	7.93818	10.334	0.380519	0.0255495	0.166801
Smpd2_j1	0.123996	0.215177	0.795224	0.0155537	0.117796
Ccdc162_j7	0	0.088057	1.79769e+308	0.0933057	1
Ccdc162_j6	0.036092	0.0521742	0.53166	0.745994	1
XLOC_002728	0.130971	0.0695918	-0.912262	0.561554	1
Cep571_j1	0.314701	0.529725	0	1	1
Cep571	0.167064	0.102084	0	1	1
Cep571_j3	0.257929	0	0	1	1
Lace1_j3	1.17533	1.29517	0	1	1
Lace1_j4	0.0295408	0.922073	0	1	1
AK145144_j2	0.58645	0.310514	-0.91735	0.350141	0.687728
AK145144_j1	0.579516	0.431422	-0.42575	0.399436	0.723014
AK145144_j3	1.19099	0.968401	-0.298487	0.623459	0.852859
1700021F05Rik	22.4617	21.0121	-0.0962472	0.441936	0.750339
Aim1_j1	0.243807	0.568679	1.22188	0.0009735	0.0139897
Grik2_j5	0.261218	0.342109	0	1	1
Fam184a_j1	0.150473	0.2459	0	1	1
D630037F22Rik_j1	0.130173	0	-1.79769e+308	3.79E-07	1
Serinc1_j5	61.9495	82.0572	0	1	1
Sept10_j1	0.0821094	0.0242536	-1.75935	0.122227	1
Anapc16_j2	21.0063	24.5427	0.224474	0.230093	0.577146
H2afy2_j1	1.75366	1.62958	-0.105867	0.675857	0.878002
Col13a1_j1	0.172287	0.192	0.156285	0.782731	0.92665
Col13a1_j2	0.075496	0	-1.79769e+308	0.0103934	1
Hk1_j1	1.16061	1.69946	0	1	1
Hk1_j2	46.7227	54.5834	0	1	1
Supv3l1_j4	0.035845	0.0693113	0	1	1
Vps26a_j2	0.105013	0.252074	0	1	1
Vps26a_j3	1.89803	3.34121	0	1	1
Srgn_j2	0.0896779	0.245809	1.45471	0.143901	0.4709
Ddx50_j6	3.87072	4.12292	0	1	1
Ddx50_j7	1.78819	2.54514	0	1	1
Ccar1_j1	0.243904	0.0397073	0	1	1
Hnrnp3_j1	5.40951	5.26875	-0.0380387	0.744258	0.910726
mKIAA4170	0.187073	0.116996	-0.677134	0.343971	0.683974

Arid5b_j3	0.189562	0.0824693	0	1	1
Phyhipl_j1	18.1775	15.7832	0	1	1
Susd2_j4	134.657	116.185	-0.212868	0.0140275	0.109631
Susd2_j8	49.1825	32.4539	-0.599754	4.02E-09	3.03E-07
Cabin1_j4	0.0560883	0.0565244	0	1	1
Pcnt_j5	0.265084	0.238691	0	1	1
Ybey_j2	0.323539	0.263624	-0.295458	0.697354	0.888574
Col6a2_j1	1.21422	1.60584	0	1	1
Pcbp3_j8	7.17058	16.2139	0	1	1
Pcbp3_j9	0.349799	0.225995	0	1	1
Col18a1_j6	0.14199	0.143666	0.0169254	0.967466	0.990787
Trpm2_j3	0.871395	1.27464	0.548688	0.0910184	0.370963
Pfkl_j1	0.506979	0.468556	-0.113705	0.644339	0.862839
D10Jhu81e	19.2978	17.6645	-0.127584	0.324519	0.667503
Agpat3_j6	1.18445	0.660758	-0.842028	0.0010744	0.0151306
Agpat3_j5	9.13386	7.09559	-0.364303	0.0010147	0.014474
Rrp1_j2	14.6349	17.4594	0	1	1
Mier2_j1	1.14436	0.615431	0	1	1
C2cd4c	2.55103	0.851082	0	1	1
Shc2_j7	22.1407	29.5473	0	1	1
Shc2_j8	8.75737	10.1027	0	1	1
Shc2	16.602	19.7096	0	1	1
Med16	9.56742	9.22676	0	1	1
Dos_j2	0.530172	0.738842	0	1	1
Pcsk4_j2	0	0.107145	1.79769e+308	0.0317976	1
Adamts15_j8	0.356587	0.129078	-1.46601	0.0259736	0.168868
Uqcr11	14.3228	13.6104	-0.0735966	0.684142	0.881956
Tcf3_j2	0.691981	0.231691	0	1	1
Atp8b3_j10	0.152195	0.176999	0.21782	0.759965	0.917326
Atp8b3_j9	0.0390323	0.0550767	0.496774	0.720099	1
Fam108a	48.317	50.4417	0.0620863	0.512902	0.792303
Mobkl2a_j1	10.3923	12.9685	0.319503	0.0044283	0.0464152
Lsm7_j1	1.02107	1.69824	0.733955	0.018462	0.133443
Timm13	63.6375	69.4605	0.126316	0.193969	0.536219
Slc39a3	11.7484	13.0406	0	1	1
Sgta_j2	5.47044	7.13309	0	1	1
Sgta	5.01657	6.20288	0	1	1
Atcay_j1	0.407685	0.654985	0	1	1
Mrpl54_j1	38.0645	38.0909	0	1	1
Mrpl54	3.26772	3.13978	0	1	1
Gipc3	0.148146	0.173712	0.229673	0.655395	0.868295
Hmg20b_j3	0	1.92896	0	1	1
Hmg20b	1.71071	2.23284	0	1	1
Fzr1_j3	1.9453	2.31275	0.249616	0.178339	0.517853
Nfic_j3	1.37824	0.992535	0	1	1
Nfic	9.4662	6.83796	0	1	1
Celf5_j4	0.102729	0.0656993	0	1	1

Ncln_j3	3.90669	5.24117	0	1	1
Tle6_j1	1.13728	1.17168	0.042991	0.876202	0.960645
Sirt6_j1	2.03447	1.43225	-0.506374	0.0858285	0.357676
Nfyb_j3	0.494537	0.000202781	0	1	1
Slc41a2_j4	0.92353	2.00184	0	1	1
Aldh1l2_j1	0.318349	0.41313	0.375987	0.374837	0.707307
Nuak1_j1	0.246987	0.109118	0	1	1
D10Wsu52e_j1	11.2048	14.9036	0.411537	0.0098502	0.0847739
Hsp90b1	8.9794	5.04386	0	1	1
Hsp90b1_j1	60.0809	64.4222	0	1	1
Stab2_j1	0.102846	0.0878542	-0.227302	0.81664	1
Ano4_j9	2.48821	3.31008	0	1	1
Ano4_j6	1.85664	1.4564	0	1	1
Scyl2	0.0733935	0.000506384	0	1	1
Scyl2_j6	0.299079	0.728796	0	1	1
Actr6_j1	5.86374	5.57492	-0.0728688	0.669395	0.874823
Apaf1_j2	0.125632	0.157699	0	1	1
Apaf1_j3	0.116442	0.455172	0	1	1
Slc25a3_j3	0.38127	0.365601	0	1	1
Tmpo_j4	0.499025	0.77793	0	1	1
BC065048_j2	0.0705387	0.000354409	-7.63686	0.880649	1
Vezt_j9	1.85272	0.927763	0	1	1
Cradd	1.92979	2.12401	0.138341	0.565371	0.823805
Socs2_j1	0.261958	0.800247	0	1	1
Mrpl42_j2	2.08957	2.47535	0.244425	0.622941	0.852533
XLOC_002971	0.118538	0.126922	0.098595	0.937244	1
Acss3_j3	0.411156	0.160456	-1.35751	0.0222222	0.15159
Acss3_j4	0.230624	0.123339	-0.902909	0.120347	0.43198
Syt1_j4	13.4349	10.666	0	1	1
Syt1	23.7124	21.6784	0	1	1
Nav3_j5	0.546252	0.467174	-0.225608	0.525071	0.800504
Zdhhc17_j1	7.59278	3.7825	0	1	1
Tph2_j4	0.00015062	0.0655846	8.7663	0.895731	1
Tmem19	8.84719	10.2253	0	1	1
Thap2	1.17245	1.01038	0	1	1
Lgr5_j1	0	0.0829229	0	1	1
Cnot2_j1	0.536903	0.354538	0	1	1
Rab3ip_j2	0.220229	0.189522	0	1	1
Frs2_j1	1.97112	2.61465	0	1	1
Rap1b_j1	28.8381	34.0338	0	1	1
Cand1_j3	5.33097	8.19608	0	1	1
Helb_j1	0.022562	0.154906	2.77943	0.0047605	1
Lemd3_j2	0.60537	0.14099	-2.10222	0.0010159	0.014488
Tbc1d30_j1	0.0843291	0.564537	0	1	1
Tbk1_j1	1.26459	2.30352	0.865173	0.0246087	0.162594
Tbk1_j2	2.23751	2.53507	0.180135	0.508688	0.790455
Xpot_j7	0.149938	0	0	1	1

Tmem5_j1	11.6734	13.0284	0.158442	0.213535	0.558716
Mon2_j2	7.37145	8.35061	0.179933	0.348727	0.686735
Slc16a7_j9	0.530987	0.469093	0	1	1
Slc16a7_j10	0.316069	0.0539245	0	1	1
Tspan31_j1	13.7617	12.3695	0	1	1
Arhgef25_j2	0.834552	0.397859	0	1	1
Arhgef25	17.9921	18.5364	0	1	1
Dtx3_j9	1.53746	2.66508	0	1	1
Dtx3_j7	1.00958	0	0	1	1
Kif5a_j4	55.8513	44.3001	0	1	1
Kif5a_j5	3.5241	3.58726	0	1	1
Kif5a_j6	5.49686	5.80122	0	1	1
Lrp1_j2	7.37326	7.83146	0	1	1
Lrp1_j8	1.60448	2.0915	0	1	1
Nab2	2.12475	2.48326	0	1	1
Coq10a_j1	0.987813	1.07366	0	1	1
Esyt1_j3	36.5873	60.6087	0	1	1
Erbp3_j2	0.0345412	0.0609886	0	1	1
Rab5b_j1	78.2901	78.3489	0.0010837	0.989974	0.996929
Rab5b	7.11026	6.40139	-0.151516	0.496152	0.783139
Rab5b	4.03728	3.79985	-0.0874436	0.731695	0.905127
Cdk2	0.414535	0.137327	-1.59388	0.0318647	0.193415
Dgka_j7	0.455954	1.3048	0	1	1
Dgka_j8	0.0503892	0.0477583	0	1	1
Rdh5_j2	4.35664	4.57617	0.0709256	0.687407	0.883849
Rdh5_j1	2.61664	2.84876	0.122616	0.618635	0.850197
Bloc1s1_j1	9.00576	12.0789	0.423566	0.0474663	0.250134
XLOC_003074	0.150151	0.195988	0.384345	0.704843	0.892177
XLOC_003074	0.147389	0 -1.79769e+308		0.0695026	0.316138
Mtrf1l_j1	0.931632	0.776025	-0.263657	0.266872	0.615914
Syne1_j6	0.152265	0.0361437	0	1	1
Syne1_j7	0.267049	0.20046	0	1	1
Syne1_j7	0.226085	0.115734	0	1	1
Syne1_j6	0.0874041	0.0924532	0	1	1
Syne1_j14	9.39437	8.87097	0	1	1
Rmnd1_j1	0.223139	0.254028	0.187045	0.638857	0.860184
Rmnd1_j3	0.220702	0.15854	-0.477245	0.241298	0.588445
Zbtb2	0.288341	0.117279	-1.29783	0.0528084	0.267012
Lats1	2.68442	2.54532	-0.0767631	0.57463	0.828142
XLOC_002193	0.0475819	0.0377417	-0.334253	0.797946	1
XLOC_002195	0.141259	0.0910223	-0.634047	0.325849	0.669123
Plagl1_j5	0.698889	0.00097049	0	1	1
Cited2_j1	1.72422	5.07558	1.55763	2.87E-11	3.24E-09
Reps1_j3	0.414777	1.32409	0	1	1
XLOC_002212	0.125082	0.133118	0.0898316	0.940828	1
Olig3	0.195548	0.21541	0.139564	0.79187	0.930476
Mtap7	3.94424	3.90317	0	1	1

Mtap7_j10	3.16956	1.38303	0	1	1
Bclaf1_j3	4.86828	4.78021	0	1	1
Ahi1_j3	1.22346	0.954344	-0.358387	0.125929	0.441872
Hbs1l_j3	0.23461	0.0956168	-1.29493	0.197117	0.53985
H60b_j2	0.242396	0.098986	-1.29207	0.279901	0.628722
H60b	0.162571	0.235783	0.536392	0.458171	0.7608
1110021L09Rik_j1	0.200052	0.0938053	0	1	1
Med23_j3	0.228717	0.10081	-1.18193	0.108889	0.410527
Epb4.1l2_j4	0	0.416045	1.79769e+308	0.0001854	0.0036035
Arhgap18_j2	0.230407	0	-1.79769e+308	2.17E-07	1.06E-05
Arhgap18_j9	0.171832	0.0705735	-1.2838	0.126554	0.443067
Arhgap18_j11	0.324121	0.377322	0.219263	0.68349	0.881549
Ptprk_j5	0.496956	0.000121627	-11.9964	0.701583	0.890406
9330159F19Rik_j4	0.554786	0.598502	0	1	1
Hddc2_j1	2.49942	2.55135	0.0296658	0.949869	0.98549
Hdac2_j3	0.427559	0.337056	0	1	1
Rev3l	0.486801	0.743166	0	1	1
Rev3l_j2	0.185159	0.0770369	0	1	1
Cdk19	0.536529	0.691149	0	1	1
Wasf1_j2	3.05901	2.92999	0	1	1
Zbtb24_j2	1.33777	1.59873	0.257096	0.402948	0.726049
Mical1	1.69336	1.71648	0.0195623	0.903439	0.969103
Cd164_j4	4.82878	2.41484	-0.999731	0.0248888	0.163716
Snx3_j1	76.6417	72.9752	-0.070723	0.495502	0.782897
Cd24a	140.68	129.672	-0.117547	0.181995	0.522379
Atg5_j2	0.0762772	0.063421	-0.266291	0.847919	1
Atg5_j1	0.297711	0.269489	-0.143688	0.821262	0.942238
Lilrb4_j8	0.0401833	0.0550543	0.454259	0.745266	1
Vgll2	0.262842	0.0543146	-2.27478	0.02418	0.160549
Dcblid1_j1	0.153555	0	-1.79769e+308	0.0004292	0.0071701
Dcblid1_j2	1.52472	1.74526	0.194904	0.462714	0.763368
Nus1_j2	12.3201	13.1296	0	1	1
Hsf2_j3	1.0615	1.28328	0.27373	0.434386	0.745508
Pkib_j2	7.57726	10.6494	0.491025	5.50E-06	0.0001838
Smpdl3a	1.82672	1.58168	0	1	1
Smpdl3a_j2	9.28657	8.39378	0	1	1
Smpdl3a_j3	3.77766	4.18765	0	1	1
Ranbp2_j5	0	0.342714	0	1	1
Sh3rf3_j1	0.0729197	1.27E-05	-12.4863	0.959	1
P4ha1_j2	2.71926	3.2595	0	1	1
P4ha1_j1	1.44751	1.43318	0	1	1
P4ha1_j3	1.30615	0.592739	0	1	1
Cbara1	0.661029	0.724058	0.131393	0.645023	0.863048
Cbara1_j5	4.00985	4.9525	0.304608	0.154599	0.487728
Dnajb12	2.60119	2.23849	0	1	1
Ascc1	1.89704	1.93095	0.0255547	0.935774	0.98034
Spock2_j3	0.156803	0.0602137	0	1	1

4632428N05Rik_j4	0.0603129	0	-1.79769e+308	0.006097	1
Lrrc20_j4	1.23104	2.88776	0	1	1
Ppa1_j2	18.0009	17.0369	0	1	1
Dna2_j3	0.252437	0.304521	0.27062	0.465003	0.764951
Rufy2_j1	3.18384	3.20375	0.00899746	0.950328	0.985635
Rufy2_j2	1.14372	0.881741	-0.375309	0.207886	0.552228
Herc4_j3	0.899817	1.00234	0	1	1
Ctnna3_j3	0.0885802	0.000253377	-8.44955	0.888259	1
Egr2_j1	0.285717	0	-1.79769e+308	1.50E-06	5.86E-05
Rtkn2_j4	0.110764	0	-1.79769e+308	0.0061858	1
Rhobtb1_j1	0.107935	0	-1.79769e+308	0.000162	1
Ank3_j3	0.105852	0	-1.79769e+308	1.31E-09	1
Ccdc6_j1	0.47107	1.57022	0	1	1
Slc16a9_j2	1.21064	0.543814	0	1	1
Gm9923	3.68705	3.60964	-0.0306122	0.848083	0.951888
Rab36	0.51931	0.396083	0	1	1
Bcr_j2	1.7391	2.35786	0	1	1
Ggt5_j2	2.24664	4.27849	0.929332	0.0026111	0.0308977
S100b_j1	0.0356086	0.0895831	0	1	1
Lss_j2	1.6692	0.562209	0	1	1
Slc19a1_j1	1.5893	0.199637	-2.99294	0.000281	0.0050684
Itgb2_j2	0.0619988	0	-1.79769e+308	0.0144539	1
Itgb2	0.463808	1.01951	1.13628	2.43E-05	0.0006485
Ube2g2_j1	2.77263	5.17312	0.89978	0.0400987	0.224131
Ube2g2_j2	3.32651	2.13768	-0.637964	0.215552	0.561479
C330046G03Rik_j1	0.108655	0.034803	-1.64248	0.350133	1
1810043G02Rik_j2	15.0906	15.9257	0.077703	0.515308	0.794119
Icosl_j3	0.0921694	0.0736809	-0.322998	0.801839	1
Icosl_j4	0.157343	0.157428	0.000780912	0.999214	0.999635
Ilvbl_j2	5.76205	4.74678	0	1	1
Ilvbl	3.82867	3.40796	0	1	1
Slc1a6_j4	0.068322	0	-1.79769e+308	0.0356515	1
Cdc34_j1	0.0933964	0	-1.79769e+308	0.0003988	1
Bsg_j1	161.371	167.277	0	1	1
XLOC_002393	0.146488	0.1533	0.0655738	0.907543	0.970775
Fstl3_j3	0.638349	0	-1.79769e+308	1.90E-08	1.27E-06
9130017N09Rik	0.175801	0.131753	-0.416109	0.587334	0.835002
9130017N09Rik	0.0207914	0.103054	2.30934	0.0831017	1
9130017N09Rik_j3	0.43504	0.182101	-1.25641	0.0338619	0.201403
XLOC_002395	0.129036	0.103229	0	1	1
Ptbp1	0.753886	0.845211	0	1	1
Ptbp1	0.215786	0.112926	0	1	1
Ptbp1_j3	0.119881	0	0	1	1
Cfd	0.0570287	0	-1.79769e+308	0.102941	1
Cfd	0.277299	0.0925346	-1.58338	0.0462523	0.246499
Arid3a_j4	0.175094	0.0321371	-2.44582	0.0352673	0.206779
Abca7_j2	0.756804	0.539309	0	1	1

Abca7_j3	6.99433	5.97607	0	1	1
Hmha1	0.202304	0.396499	0.970791	0.0206269	0.143918
Hmha1_j9	0.321533	0.346746	0.10891	0.826683	0.944157
Atp5d_j1	1.22994	1.13991	0	1	1
Atp5d_j4	1.0548	1.20688	0	1	1
Midn_j1	2.78815	3.21777	0	1	1
Midn	5.2569	6.2901	0	1	1
Midn_j3	2.12609	2.78047	0	1	1
Midn_j2	1.45389	1.51246	0	1	1
Efna2_j2	0.422467	0.0719395	-2.55398	0.0501886	0.258895
Plk5	0.180407	0.0693439	-1.37941	0.0583387	0.28357
Izumo4_j1	2.11114	1.81103	-0.221207	0.596757	0.839716
Izumo4_j3	2.52855	3.01083	0.251853	0.371304	0.704211
Dot1l_j7	0.264933	0.278236	0.0706842	0.816362	0.940246
Tmprss9_j1	1.12763	1.06978	-0.0759855	0.745	0.911063
XLOC_002428	0.111708	0.0333651	-1.74332	0.341237	1
Zbtb7a	4.17242	3.58167	0	1	1
Zfr2_j1	0.130203	0	0	1	1
Matk_j2	0.635437	0.791383	0	1	1
Pip5k1c_j1	14.9249	16.9514	0	1	1
Aes_j4	88.9268	108.59	0	1	1
Ankrd24_j5	0.225402	0.104408	0	1	1
BC062115_j4	0.470128	0.187363	-1.32722	0.0260288	0.169159
XLOC_002449	0.547916	0.497623	-0.138902	0.703198	0.891372
XLOC_002451	0.1799	0.184265	0.0345886	0.952578	0.986299
Mif1_j2	0.682687	0.446049	-0.614021	0.0391486	0.22072
Mif1_j3	0.0540378	0.0528733	-0.0314286	0.979211	1
Tdg_j1	1.10172	1.08757	-0.0186513	0.947083	0.984332
Tdg_j5	1.31783	1.78376	0.436758	0.156344	0.4898
Tdg_j4	5.24279	5.98658	0.191396	0.249426	0.596861
Txnrd1_j1	0.990053	0.685998	0	1	1
Txnrd1_j3	6.88728	7.63273	0	1	1
A230046K03Rik_j2	0.150591	0.141276	0	1	1
1500009L16Rik_j3	0.329116	0.188795	-0.80178	0.394833	0.720038
XLOC_002463	0.16188	0.0373502	0	1	1
XLOC_002466	0.093013	0.0588407	-0.660618	0.495166	1
Ric8b_j1	3.31247	3.08334	0	1	1
Btbd11_j2	0.67918	0.500164	0	1	1
Timp3_j2	21.6819	25.7852	0	1	1
BC030307_j2	0.0802395	0	-1.79769e+308	0.0282875	1
Nup37	1.73388	1.61108	-0.105977	0.725489	0.902457
Ccdc53_j1	0.125865	0.064178	-0.971731	0.494764	1
XLOC_002486	0.144039	0.0976948	-0.560105	0.4908	0.780098
XLOC_002486	0.210371	0.0228165	-3.20479	0.182452	0.522899
Uhrf1bp1_j2	0.0917772	0	-1.79769e+308	2.49E-05	1
Anks1b_j3	2.90791	2.08199	0	1	1
Anks1b_j6	0.201986	1.55026	0	1	1

XLOC_002495	0.0757261	0.0506764	0	1	1
Lta4h_j1	1.88206	2.28698	0.281135	0.273802	0.622954
Tmcc3_j4	0.288599	0	0	1	1
Eea1_j3	13.185	11.8432	0	1	1
Epyc_j3	0.500175	0.392888	-0.348315	0.316646	0.660102
XLOC_002519	0.161351	0.0299627	-2.42896	0.447355	0.754114
XLOC_002519	0.0898562	0.084847	-0.0827553	0.930376	1
XLOC_002519	0.0592432	0 -1.79769e+308		0.154325	1
Atp2b1_j5	0.353041	0.241468	0	1	1
Kitlg_j2	1.92397	0.912078	0	1	1
Kitlg_j4	1.46028	0.928566	0	1	1
Cep290_j2	0.102012	0.091746	-0.153016	0.733549	1
Mgat4c_j1	0.278366	0 -1.79769e+308		7.43E-08	4.18E-06
Mgat4c_j4	0.195982	9.59E-05	-10.9965	0.882001	0.962591
Slc6a15_j1	0.104716	0.0544877	-0.942485	0.483587	1
Ppfia2_j4	0.107239	0.40983	1.9342	5.69E-05	0.0013314
Ppfia2_j7	0.752192	0.795068	0.0799766	0.775492	0.923807
Ppfia2_j12	0.716949	1.47874	1.04442	0.0173167	0.127428
Lin7a_j4	5.46656	5.35749	0	1	1
XLOC_002533	0.136204	0.048282	0	1	1
XLOC_002536	0.163475	0.0973651	-0.747598	0.291274	0.638477
Csrp2_j2	7.08634	8.81573	0.315039	0.118461	0.428505
Nap1l1_j5	0.581443	0.554988	0	1	1
Nap1l1_j10	10.4118	7.74968	0	1	1
Nap1l1_j9	11.6049	9.52523	0	1	1
Zfc3h1_j3	2.65067	2.14074	0	1	1
AK020834_j1	0.535522	0.366963	0	1	1
Ptprj1	0.472923	0.697926	0	1	1
Ptprb_j3	0.25665	0.401978	0	1	1
Best3_j1	0.150862	0.0487833	-1.62877	0.154557	0.487727
Cpm	0.0378541	0.0962496	1.34633	0.3058	1
Cpm_j2	0.0872809	6.46E-05	-10.4002	0.956155	1
XLOC_002559	0.0879829	0.0848086	-0.053012	0.964005	1
XLOC_002559	0.175698	0.0514459	-1.77197	0.225764	0.572899
Mdm1_j4	0.0594306	0 -1.79769e+308		0.0145266	1
Mdm1_j9	0.307016	0.258196	-0.249847	0.643424	0.862412
Grip1_j2	1.68096	2.20635	0	1	1
Llph_j5	0.0648394	0.0570685	-0.184176	0.878027	1
Ppm1h_j2	7.63364	2.065	0	1	1
XLOC_002576	0.166905	0.0340818	-2.29196	0.043055	0.235284
Avil_j7	37.4516	23.8535	0	1	1
Avil_j14	134.629	152.931	0	1	1
Cdk4_j1	6.85264	7.86661	0	1	1
Agap2_j1	0.363175	0.272779	-0.412933	0.40234	0.725446
XLOC_002582	0.10872	0.0119755	-3.18246	0.278297	1
Dctn2_j2	65.5488	108.845	0	1	1
R3hdm2_j1	2.54896	1.55216	0	1	1

R3hdm2_j4	0	0.708949	0	1	1
R3hdm2_j10	0.14742	0.022612	0	1	1
R3hdm2_j12	0.731697	0.548442	0	1	1
Stac3_j4	0.12968	0.0705946	-0.87733	0.467963	1
Stac3_j7	0.086449	0.0579718	-0.576499	0.699051	1
Stat6_j1	0.127674	0 -1.79769e+308	0.0022564		1
Stat6_j3	1.2738	2.99667	1.23422	4.92E-08	2.90E-06
Myo1a_j2	0.3315	0.373686	0	1	1
Prim1_j4	0	0.167262 1.79769e+308	0.0435868	0.237208	
Naca_j3	0.332947	0.129934	-1.35752	0.0954604	0.381463
Baz2a_j3	0.397669	0.493451	0.31134	0.177911	0.517237
Baz2a_j8	2.14276	2.17525	0.0217074	1	1
Timeless_j1	0.338224	0.200568	-0.753888	0.0708787	0.320021
Pan2	1.9769	2.40644	0.283662	0.103271	0.398343
Smarcc2_j1	0.0770143	0.0398912	0	1	1
Wibg	1.57806	1.59017	0	1	1
1110005A23Rik_j1	2.92616	2.70667	0	1	1
1110005A23Rik_j3	0.190175	0	0	1	1
Cd63_j2	0.0489672	0.147685	1.59263	0.189274	1
Cd63_j4	0.143113	0.0564628	-1.34178	0.47029	0.768077
Itga7_j6	0.119906	0.200168	0	1	1
Esr1_j3	0.0683904	0.0200452	0	1	1
1700052N19Rik_j1	2.07999	2.07995	-2.46E-05	0.999919	0.99994
Akap12_j1	71.9371	74.6764	0	1	1
Akap12_j2	0.512146	0.260232	0	1	1
Plekhg1_j1	1.02297	0.759336	0	1	1
Pcmt1_j3	16.2449	16.8295	0	1	1
Pcmt1_j4	0.874289	0.417551	0	1	1
Tab2_j2	4.96774	5.549	0	1	1
Sash1_j3	2.69892	2.63325	0	1	1
Sash1_j1	0.84041	0.680848	0	1	1
9130014G24Rik_j13	0.110529	0.0298384	-1.88919	0.0752293	1
Rab32_j1	0.462307	0.375598	-0.299662	0.583268	0.833121
Utrn_j1	0.0982464	0.146896	0	1	1
XLOC_002655	0.217991	0.0489005	-2.15634	0.255903	0.604659
Rps12_j2	0.654748	0.838952	0.35765	0.567991	0.825207
Rps12_j3	1.73922	1.64849	-0.0772942	0.85268	0.953301
Rps12_j9	0.120691	0 -1.79769e+308	0.0267356		1
Rps12_j12	1.08631	0.743211	-0.54759	0.414629	0.732858
Enpp1	0.294282	0.12884	-1.19161	0.0137372	0.108008
Enpp3_j2	0.0847935	0 -1.79769e+308	0.0038843		1
Akap7_j4	0.394026	0.293174	-0.426535	0.353711	0.68999
Tmem200a	0.603194	0.284386	-1.08477	0.0116516	0.095923
L3mbtl3_j5	0.126475	0	0	1	1
L3mbtl3_j6	0.112748	0	0	1	1
Lama2_j14	0.421447	0.192729	-1.12878	1	1
Rnf146	2.18784	2.57919	0	1	1

Rspo3	0.105107	0.0785876	-0.419486	0.630341	1
Nkain2_j3	0.169089	0	-1.79769e+308	0.166392	0.502925
Zufsp_j1	0.480851	0.591129	0.297882	0.524743	0.800294
Rwdd1_j5	0.0767641	0.0402177	0	1	1
Fam26f	0.168124	0.228605	0.44333	0.479927	0.773896
Wisp3_j3	0.133092	0.0670838	-0.988387	0.29365	1
Gm16365_j1	3.44949	1.26654	0	1	1
Slc16a10	0.207885	0.138159	-0.589456	0.571597	0.826975
Rpf2_j6	1.26083	1.34118	0	1	1
Smpd2	1.40754	1.39548	-0.0124196	0.926632	0.977293
Ccdc162_j1	0.0700118	0	-1.79769e+308	0.0410673	1
Ccdc162_j9	0.456857	0.474659	0.0551487	0.875945	0.960645
Ccdc162_j14	0.224624	0.0572928	-1.97109	0.145703	0.473678
Armc2_j3	0.558071	0.463609	-0.267541	0.590951	0.836786
Armc2_j6	0.162893	0.0386756	-2.07442	0.286907	0.635515
Armc2	0.220895	0.415135	0.910222	0.219954	0.566699
XLOC_002742	0.445214	0.318704	-0.482281	0.319178	0.662544
Lin28b_j11	0.118993	0	-1.79769e+308	1.22E-05	1
Lin28b_j12	0.178568	0.000110162	-10.6626	0.775245	0.923761
Grik2_j7	0.861778	0.383951	0	1	1
Mcm9_j1	1.3338	1.33902	0.0056336	0.977577	0.993541
Serinc1_j1	2.33857	0.94966	0	1	1
XLOC_002759	0.0899577	0.0792863	-0.182175	0.87173	1
Ccdc109a_j2	7.57667	4.60247	0	1	1
XLOC_002765	0.986246	0	0	1	1
Chst3_j2	0.106593	0.194365	0.866662	0.0817447	0.348325
Adamts14_j4	0.383177	0.38149	-0.0063638	0.987747	0.996374
Adamts14_j5	0.0723731	0.0275914	-1.39123	0.493676	1
X99384_j5	1.412	1.79677	0	1	1
Col13a1_j5	0.0801914	0	-1.79769e+308	0.0074479	1
Col13a1_j4	0.136608	0	-1.79769e+308	0.0002069	1
Hk1_j4	67.4924	73.4986	0	1	1
Ddx50_j2	3.3901	2.19599	0	1	1
Stox1_j3	0.110727	0.049888	-1.15024	0.360481	1
Ccar1_j3	2.27668	0.583393	0	1	1
Zfp365_j2	4.78042	4.92254	0	1	1
Phyhipl_j3	0.139044	0.161498	0	1	1
Al646023_j2	25.2999	19.1545	0	1	1
Susd2_j3	10.0303	13.3384	0.411227	0.0001811	0.0035326
Cabin1_j5	0.635259	0	0	1	1
Gstt2_j3	0.800514	0.704054	-0.185239	0.664807	0.873063
Mmp11_j2	0.131905	0.0765649	-0.784739	0.480465	1
Mmp11_j3	0.467991	0.449186	-0.0591663	0.866985	0.957889
Pcnt	0.248547	0.178516	0	1	1
Ybey_j1	0.362996	0	-1.79769e+308	5.89E-15	1.16E-12
Pcbp3_j11	0.369327	0.138085	0	1	1
Pcbp3_j12	13.1148	13.3408	0	1	1

Pcbp3_j13	0.409034	0.0414651	0	1	1
Adarb1_j3	0.167942	0	0	1	1
Lrrc3_j3	0.413389	0.261562	0	1	1
Pwp2_j2	1.99576	2.68783	0	1	1
Pwp2_j3	0.409101	0.895912	0	1	1
Rrp1_j3	50.54	47.4641	0	1	1
Syde1_j2	2.33972	2.46941	0	1	1
2610008E11Rik_j1	0.863279	0.533805	0	1	1
Shc2_j5	1.74375	2.88462	0	1	1
Polrmt_j3	0.969161	0.638066	-0.603032	0.0572985	0.280528
Sbno2_j1	8.10812	10.9548	0	1	1
Dos_j5	3.56916	3.47079	0	1	1
Pcsk4_j5	0.0845514	0 -1.79769e+308	0.0085551		1
Pcsk4_j3	0.0732781	0.0590277	-0.311992	0.77741	1
Adamts15_j7	0.194939	0 -1.79769e+308	6.75E-05	0.0015403	
Adamts15_j10	0.572974	0.482002	-0.249432	0.685345	0.882587
Uqcr	3.15669	3.68978	0.225119	0.6281	0.855168
Tcf3_j1	0.179796	0.0495969	0	1	1
Mobkl2a_j3	0.203546	0.385084	0.919814	0.10259	0.396835
Jsrp1_j4	0.198798	0.221773	0.157774	0.860152	0.955759
Slc39a3_j1	33.4248	31.8505	0	1	1
Atcay_j5	2.36864	1.22818	0	1	1
Gipc3_j1	0.135341	0.0304992	-2.14976	0.0735775	1
Hmg20b_j2	2.12915	0.44216	0	1	1
Celf5_j1	0.117168	0.379297	0	1	1
Celf5_j2	0.181455	0	0	1	1
Celf5	0.816451	0.738573	0	1	1
Ncln_j1	5.74347	6.52061	0	1	1
Ncln_j2	1.18213	1.7225	0	1	1
S1pr4	0.244652	0.327535	0.420918	0.26971	0.618771
Zfp781_j1	0.968977	0.552392	-0.81077	0.266604	0.61561
AK136722_j1	0.188529	0.0597932	-1.65673	0.184678	0.525051
Zfp938	1.64484	1.43445	-0.197448	0.495809	0.782958
XLOC_002912	0.154067	0.153268	-0.00749842	0.991324	0.997429
XLOC_002912	0.0633398	0.0143859	-2.13846	0.306338	1
Slc41a2_j6	6.77035	8.83581	0	1	1
Slc41a2_j3	3.60948	5.48911	0	1	1
XLOC_002918	0.147749	0.0663036	-1.15599	0.147913	0.476603
XLOC_002918	0.0551698	0 -1.79769e+308	0.0541449		1
Appl2_j3	1.06177	0.446156	0	1	1
XLOC_002921	46.076	62.4449	0.43857	5.72E-05	0.0013364
Fhl4	0.291706	0.277897	-0.0699675	0.880374	0.9619
Syn3	0.187889	0.202279	0	1	1
Dram1	0.193485	0.462186	1.25625	0.0043282	0.045562
Dram1_j3	0.0765152	0 -1.79769e+308	0.0120046		1
XLOC_002936	0.238281	0 -1.79769e+308	8.96E-06	0.0002828	
XLOC_002936	1.17955	1.63343	0.469659	0.0314258	0.191514

Chpt1_j2	1.29209	1.38658	0.101824	0.561995	0.821917
Chpt1	5.6377	4.95761	-0.185464	0.19433	0.536757
Utp20_j2	0.768751	0.769508	0	1	1
Utp20_j3	0.189408	0.110656	0	1	1
Ano4_j2	0.0926307	0.0897254	0	1	1
Ano4_j3	1.23706	0.082148	0	1	1
Gas2l3_j4	0.74408	0.546094	0	1	1
Gas2l3	0.739257	0.284817	0	1	1
Slc17a8_j2	0.0455328	0.177639	1.96397	0.0428875	0.234605
Scyl2_j3	0.748318	1.40138	0	1	1
Scyl2_j5	1.22048	2.45787	0	1	1
Scyl2	2.08261	1.81725	0	1	1
Apaf1_j5	0.00309287	0.0842195	0	1	1
XLOC_002949	3.16985	3.46092	0.12674	0.590051	0.836402
BC065048_j3	0.0612618	0.0840238	0.455811	0.661291	1
4930485B16Rik_j2	0.181729	0.0103202	-4.13824	0.399359	0.723009
4930485B16Rik_j3	0.117925	0.0818954	-0.526012	0.517821	1
Metap2_j3	10.8803	10.1479	0	1	1
Vezt_j7	3.45046	2.68014	0	1	1
4932415G12Rik_j2	0.0984304	0.161246	0.712089	0.16514	0.501501
4932415G12Rik_j5	6.30844	5.39917	-0.224546	0.0774772	0.336968
Plxnc1_j2	14.5387	14.3194	0	1	1
Gm10754_j1	0.208907	0.081343	-1.36077	0.019611	0.13906
Gm10754_j2	0.312893	0.0520515	-2.58766	0.0001681	0.0033206
Gm10754	1.06599	0.537896	-0.98679	6.92E-06	0.0002249
Tmtc3_j1	0.192997	0.0439893	0	1	1
Nts_j2	0.592219	0.271707	-1.12408	0.143419	0.470568
XLOC_002976	0.423187	0.305267	-0.471222	0.401122	0.72452
Lrriq1_j7	0.059391	0 -1.79769e+308		0.0002678	1
Tmtc2_j1	1.4575	0 -1.79769e+308		1.87E-19	5.20E-17
BC067068_j1	2.19083	1.7138	-0.354276	0.128305	0.446425
Acss3_j2	0.100071	0 -1.79769e+308		7.92E-05	1
Ptprq_j1	0.109509	0.085813	-0.351783	0.649426	1
Syt1_j2	0	0.142897	0	1	1
Nav3_j4	0.0831774	0 -1.79769e+308		2.29E-06	1
Zdhhc17_j4	1.30559	1.12439	0	1	1
Glipr1_j1	0.612106	0.481785	-0.345393	0.389391	0.71658
Rab21_j1	18.9871	17.581	0	1	1
Tmem19_j3	5.13844	3.55956	0	1	1
Cnot2_j2	1.08614	0.97177	0	1	1
Cnot2_j3	2.61654	2.2571	0	1	1
Lyz2	15.4172	27.7195	0	1	1
Cpsf6_j4	3.50953	3.65151	0.0572174	0.673251	0.876795
Nup107_j1	2.63194	3.2782	0.316775	0.217789	0.563903
Cand1_j2	0.120527	0.0212962	0	1	1
Helb_j3	0.686348	0.246627	-1.47661	0.0043164	0.0454931
Xpot_j2	2.06258	2.92589	0	1	1

Srgap1_j1	0.174677	0.15842	0	1	1
Mon2_j3	0.190371	0	-1.79769e+308	5.92E-05	0.001372
Mon2_j6	1.79439	1.73724	-0.046697	0.800225	0.933436
Slc16a7_j4	0.304647	0	0	1	1
Xrcc6bp1	0.244279	0.200273	-0.286561	0.650146	0.865671
Os9_j4	26.61	33.261	0.321865	0.0007885	0.0118474
Arhgef25_j7	0.528197	0.657929	0	1	1
Dtx3_j10	1.33427	0	0	1	1
Dtx3_j11	2.3885	6.50126	0	1	1
Dtx3_j1	0	0.24152	0	1	1
Dtx3_j12	1.62102	0.715209	0	1	1
Gli1_j3	0.169696	0	-1.79769e+308	4.58E-06	0.0001562
Lrp1_j1	0.300214	0.310962	0	1	1
Nab2_j1	0.608004	0.617444	0	1	1
Gpr182	0.0783696	0.0813104	0.0531451	0.96023	1
Myl6_j1	2.18144	2.36574	0	1	1
Myl6b_j1	2.35017	2.27046	0	1	1
Rpl41_j1	0	0.142145	0	1	1
Rpl41_j2	0.143785	0	0	1	1
Rps26_j5	0.150468	0.276277	0.876656	0.556742	0.819233
Ikzf4_j2	0.11912	0.0583158	-1.03045	0.26816	1
Cdk2_j4	0.128247	0	-1.79769e+308	0.0034988	1
Dgka_j9	1.18465	0.699723	0	1	1
Dgka_j2	2.51713	2.52724	0	1	1
Vmn2r87_j2	0.219961	0.0995844	-1.14326	0.512777	0.7923
Rmnd1_j8	0.0284502	0.0661896	1.21816	0.215451	1
Plagl1_j6	1.13105	1.24264	0	1	1
Hivep2_j4	0.536693	1.36461	1.34632	5.15E-12	6.57E-10
Perp_j1	2.1375	2.49154	0.221115	0.355388	0.691408
AK044491_j3	0.257464	0.240587	-0.0978072	0.864224	0.95676
AK044491_j4	0	0.0985114	1.79769e+308	0.0569674	1
Map3k5_j3	2.39592	2.3572	0	1	1
Mtap7_j3	1.47906	1.29134	0	1	1
Mtap7_j8	2.35676	2.52903	0	1	1
Mtap7_j9	0	0.177136	0	1	1
Ahi1_j2	0.825139	1.08222	0.391286	0.113063	0.418521
Epb4.1l2_j10	4.49416	5.4817	0.28657	0.2365	0.583692
Arhgap18_j1	0.089273	0.110976	0.313949	0.6456	1
Ptprk	0.196248	0.447967	1.19072	0.0007971	0.0119547
Hs3st5_j1	0.515568	0.553835	0	1	1
Hdac2_j2	24.4032	19.9034	0	1	1
Lama4_j4	4.5554	5.0019	0.134899	0.392805	0.718937
Fyn_j2	0	0.112849	0	1	1
Cdk19_j1	1.40767	1.2084	0	1	1
Mical1_j1	0.154083	0.220407	0.516464	0.339131	0.679419
Sesn1	1.14041	0.99149	0	1	1
Ostm1_j2	8.60151	8.17329	0	1	1

XLOC_002269	0.0776097	0.0656501	-0.24144	0.797013	1
Bend3_j1	6.78E-05	0.383724	0	1	1
Cd24a_j1	0.907764	1.21622	0.422017	0.21006	0.554604
Cd24a_j3	3.90998	1.39971	-1.48204	1.92E-06	7.31E-05
XLOC_002275	0.0878162	0.0405228	-1.11575	0.488585	1
XLOC_002275	0.072528	0.077893	0.102957	0.917227	1
Rtn4ip1_j1	0.481097	0.447455	-0.104586	0.79744	0.932685
Rtn4ip1_j4	0.160856	0.0824307	-0.96452	0.220065	0.566862
Prep_j2	4.77365	7.02654	0	1	1
Hace1_j1	2.69458	3.20441	0.249995	0.301243	0.647609
Nus1_j1	1.86743	1.75362	0	1	1
Pln_j1	0.0672586	0.0437508	0	1	1
Gja1	0.000482841	0.745701	0	1	1
Gja1_j1	5.61127	4.75717	0	1	1
Hsf2_j2	0	1.47077	1.79769e+308	1.88E-09	1.51E-07
Fabp7_j1	66.5282	48.326	0	1	1
XLOC_002299	0.0432474	0.0648735	0	1	1
Ranbp2_j2	0.000811394	0.20241	0	1	1
Ccdc138_j10	0.673187	0.884704	0.394188	0.45145	0.756717
Ankrd57	2.87022	3.92176	0.450339	0.0007326	0.011132
Pla2g12b	0.131579	0.18284	0.474654	0.55691	0.819299
Cbara1_j2	9.80021	8.11627	-0.271997	0.029149	0.182103
Lrrc20_j7	3.88853	4.39996	0	1	1
Slc25a16_j1	7.25385	5.90035	0	1	1
Ctnna3_j1	0.11548	0.15378	0.413233	0.671413	1
Jmjd1c_j6	0.209657	0.432414	1.04438	0.0010078	0.0144055
Jmjd1c_j9	0.365166	0.558829	0.613854	0.0260543	0.169235
Jmjd1c_j10	3.20334	3.32598	0.0542023	0.765988	0.920126
Egr2	0	0.102079	1.79769e+308	0.0218315	1
Egr2_j3	0.192251	0.61644	1.68097	0.0005961	0.0094375
Fam13c_j3	1.6641	1.39913	0	1	1
Pcdh15_j1	1.38E-06	0.0495247	15.1347	0.998005	1
Gnaz_j3	0.505798	1.63278	0	1	1
Specc1l_j4	12.9302	16.3524	0	1	1
Adora2a_j2	0	0.206271	1.79769e+308	0.003822	0.0415444
Adora2a_j5	0.873595	0.745701	-0.228367	0.553533	0.81725
S100b_j2	0.187415	0.169744	0	1	1
Lss_j3	1.38861	2.15166	0	1	1
Slc19a1	1.23896	0.970305	-0.352619	0.0459369	0.245257
C330046G03Rik_j4	0.0685168	0.131867	0.944554	0.506524	1
Slc1a6_j1	0.309838	0.216301	-0.518477	0.446316	0.753343
Gm16517_j3	1.27496	1.28624	0.0127106	0.980343	0.994006
Gzmm_j3	1.60756	1.33312	-0.270066	0.251248	0.599096
Cdc34_j2	28.0408	34.0858	0.281646	0.0150858	0.115367
Fgf22_j1	0.105705	0.0585448	0	1	1
XLOC_002393	0.0594348	0.0633465	0.0919564	0.93456	1
9130017N09Rik_j4	0.187256	0.323329	0.787989	0.143737	0.470722

Ptbp1_j7	2.48874	2.18283	0	1	1
Ptbp1_j8	1.36456	1.56396	0	1	1
Arid3a_j1	0.0728915	0.527878	2.85638	0.0004687	0.0077109
Abca7_j6	0	0.0970472	0	1	1
Abca7_j8	4.12877	3.20718	0	1	1
Hmha1_j8	0.172036	0.401889	1.22409	0.006089	0.0592713
Gpx4_j2	0.047079	0.154189	1.71154	0.0001632	1
Dazap1_j2	1.40926	0.793986	-0.827753	0.0286941	0.180302
Rps15	2.58301	2.89273	0.16338	0.559602	0.82076
Apc2_j4	1.94165	3.03341	0.643656	1.32E-06	5.27E-05
Reep6_j1	0.0624052	0.0809115	0.37468	0.782266	1
Sf3a2	6.01525	6.03069	0.00369657	0.976471	0.993154
Amh_j1	3.58E-06	0.203145	15.7924	0.99757	0.999228
Sspl2b_j6	0.296281	0.424163	0.517654	0.36662	0.700205
Tmprss9_j2	4.69852	5.20653	0.148116	0.341842	0.681683
XLOC_002425	0.0471197	0.0746226	0.663282	0.615249	1
XLOC_002428	0.1274	0.189909	0.575949	0.546728	0.81317
Eef2_j1	0.829219	0.987139	0.2515	0.404461	0.726779
Zfr2_j5	4.73836	5.34455	0	1	1
Matk_j1	0.872959	0.795201	0	1	1
2210404007Rik_j1	0.0387637	0.0583479	0.589973	0.736173	1
Aes_j2	0.653104	2.04634	0	1	1
Aes_j1	120.352	121.089	0	1	1
Ankrd24_j3	0.0609001	0.0939717	0	1	1
Ankrd24_j2	0.0435592	0.0698622	0	1	1
Ankrd24_j16	1.2081	1.04675	0	1	1
BC062115_j2	0.000149148	0.100851	9.40126	0.867508	1
BC062115_j1	0.336199	0.218232	-0.623451	0.273288	0.62238
XLOC_002449	0.118481	0.0575238	-1.04243	0.218997	1
XLOC_002449	0.256055	0.277215	0.114549	0.762044	0.918069
AU041133_j3	0	0.167841	1.79769e+308	0.0051558	0.0518764
Mif1_j1	0.247575	0.193001	-0.359263	0.537924	0.807831
Mif1_j4	0.171826	0.304789	0.826857	0.126791	0.443479
Tdg_j7	0.000208337	0.219375	10.0403	0.828473	0.944579
Txnrd1	7.76228	8.59952	0	1	1
1500009L16Rik_j2	0	0.153726	1.79769e+308	0.0691906	1
XLOC_002466	0.0898678	0.217447	1.27479	0.0314998	0.191821
XLOC_002469	0	0.102009	1.79769e+308	0.110811	1
Btbd11_j4	1.36485	1.6242	0	1	1
BC030307_j5	0.1155	0.0878246	-0.395189	0.718418	1
BC030307_j13	0.17516	0.177539	0.0194672	0.986737	0.99622
Nt5dc3_j1	0.184	0.371598	0	1	1
Arl1_j3	10.755	5.50587	-0.965967	8.68E-08	4.73E-06
Uhrf1bp1_j6	0.409012	0.302941	-0.433108	0.387228	0.715059
Anks1b_j2	1.13347	1.27343	0	1	1
XLOC_002495	0.233463	0.208108	0	1	1
Cdk17_j2	4.94109	5.77939	0	1	1

Hal_j1	0.0327188	0.136714	2.06296	0.0578749	1
Ntn4_j1	2.93E-05	0.169881	12.5022	0.952115	0.986165
Nr2c1_j1	0.278463	0.349229	0.326691	0.482323	0.775514
Ndufa12_j3	28.502	28.7687	0.0134387	0.940207	0.981805
Tmcc3_j2	0	0.11602	0	1	1
Ube2n_j1	0.501135	0.540322	0.10862	0.906127	0.970304
Eea1_j4	0	0.145306	0	1	1
XLOC_002519	0	0.0751563	1.79769e+308	0.0587176	1
Atp2b1_j1	16.5063	16.2914	0	1	1
Mgat4c_j3	8.59E-05	0.211369	11.2652	0.87252	0.959686
Slc6a15_j4	8.26463	10.4789	0.342469	0.0602098	0.288946
Gm15663_j1	0.381954	0.555473	0.540319	0.0522632	0.265423
Ppfia2_j2	0.718996	0.724779	0.0115578	0.967937	0.990986
Ppfia2_j14	0.0779446	0	-1.79769e+308	0.0570653	1
XLOC_002532	0.137791	0.138938	0.0119554	0.99058	0.997044
Lin7a_j1	0.141621	0.124568	0	1	1
XLOC_002535	0.0834366	0.125011	0.583298	0.516921	1
Csrp2_j4	0.344591	0.115603	-1.5757	0.270932	0.620012
Osbpl8_j2	2.98975	5.3325	0	1	1
Nap1l1_j2	4.83121	5.3478	0	1	1
Nap1l1_j8	14.9869	15.4721	0	1	1
Kcnc2_j1	0.859312	0.822532	-0.0631113	0.792862	0.931005
Kcnc2_j4	0.340125	0.255945	-0.410235	0.366476	0.700205
Zfc3h1_j1	0.114134	0.202078	0	1	1
Zfc3h1_j2	0.244357	0.21316	0	1	1
Ptprb_j1	0.195443	0.189582	0	1	1
AK016788_j2	0.058188	0.0499958	0	1	1
AK016788_j6	0	0.10757	0	1	1
AK016788_j7	0.0463175	0.151497	0	1	1
Mdm1	0.156421	0.207027	0.404387	0.668107	0.874424
Mdm1_j10	0.149305	0.224011	0.585302	0.353689	0.68999
Grip1_j4	2.06155	2.02655	0	1	1
Ppm1h_j5	0.464267	0.951405	0	1	1
Ctdsp2_j5	5.68741	5.85516	0	1	1
Avil_j10	34.8871	26.5242	0	1	1
Avil_j9	0	18.5334	0	1	1
XLOC_002582	0	0.102426	1.79769e+308	0.0160487	1
B4galnt1_j3	0.258655	0.369311	0.513806	0.364454	0.698412
Dctn2	3.70538	4.19843	0	1	1
Arhgap9	0.000153877	0.25334	10.6851	0.7668	0.920508
R3hdm2_j7	0.541014	0.786009	0	1	1
R3hdm2_j6	2.2639	2.1346	0	1	1
R3hdm2_j14	9.04236	8.47498	0	1	1
Stac3_j2	0.0858312	0.148388	0.7898	0.307584	1
Stat6_j2	16.1073	18.0877	0.167288	0.110679	0.413967
Tmem194_j2	0.120576	0.140509	0.220714	0.701029	1
Myo1a_j9	1.40044	1.97975	0	1	1

Prim1_j5	0	0.140993	1.79769e+308	0.0542607	1
Naca_j5	0.604584	0.714433	0.240856	0.539466	0.808383
Naca_j4	1.59314	1.6414	0.0430569	0.871796	0.959367
Gls2_j2	1.99383	2.14892	0	1	1
Timeless_j4	2.68155	3.41657	0.349481	0.0681	0.312432
Timeless_j3	6.18478	8.22536	0.411357	0.0017808	0.0227714
Stat2_j1	1.51506	1.8561	0	1	1
Pan2_j4	0.864708	0.821374	-0.0741735	0.784725	0.927655
Pan2_j10	2.64863	2.25385	-0.232856	0.291399	0.638505
Cs_j2	16.1182	19.9455	0	1	1
Smarcc2_j3	3.82498	3.91933	0	1	1
Smarcc2	2.83101	2.61529	0	1	1
XLOC_002609	0.0397846	0.0744956	0	1	1
Gm9182	1.43812	1.83604	0.352411	0.252928	0.600981
Pmel_j1	0.119235	0.145825	0.290428	0.739517	1
Pmel_j2	0.180771	0.155421	-0.217982	0.76814	0.921044
1110005A23Rik_j4	1.91039	1.84595	0	1	1
Cd63_j1	0	0.110495	1.79769e+308	0.0740043	1
Cd63_j3	0.724535	1.28574	0.827468	0.0221312	0.151104
Cd63_j12	0	0.192007	1.79769e+308	0.067338	0.310319
ltga7_j7	2.39921	3.28163	0	1	1
Esr1	0.281821	0.205588	0	1	1
Akap12_j8	0	0.445177	0	1	1
BC013529	1.12421	1.40878	0	1	1
Ust_j2	3.04035	3.32793	0	1	1
9130014G24Rik_j2	0.213593	0.235671	0.141907	0.84153	0.949932
9130014G24Rik_j15	0	0.0687251	1.79769e+308	0.0426727	1
Utrn_j9	18.7413	18.1341	0	1	1
Utrn_j10	2.27028	2.01665	0	1	1
Phactr2_j4	5.54753	9.8116	0	1	1
Phactr2_j3	0.329918	0.00030543	0	1	1
Phactr2_j2	1.44504	3.62238	0	1	1
XLOC_002652	0	0.103975	1.79769e+308	0.057623	1
XLOC_002655	0.00108025	0.0889478	6.36353	0.414758	1
3110003A17Rik_j2	4.32158	6.2081	0.522593	0.0543024	0.271813
Tnfaip3_j2	0.205006	0.261588	0.351626	0.463974	0.764451
Pde7b_j1	0.0298901	0.0939435	0	1	1
Rps12_j10	0.0241424	0.268651	3.47609	0.112494	0.417337
Akap7_j3	1.49213	1.05239	-0.503701	0.0740344	0.327996
L3mbtl3_j2	0	0.152114	0	1	1
Lama2_j4	1.60798	1.45876	-0.140509	0.740683	0.909129
Lama2_j11	0.1822	0.236224	0.374628	0.499428	0.784604
Lama2_j15	0.0592913	0.138226	1.22113	0.0290231	1
Nkain2_j2	0	0.124903	1.79769e+308	0.157265	1
Rwdd1_j1	0.870186	0.592152	0	1	1
Dse_j2	1.8721	1.9689	0	1	1
AK038624_j1	63.5959	78.1927	0	1	1

Gm16365_j6	0.0887013	0.0916186	0	1	1
AA474331_j5	0	0.11905 1.79769e+308	0.0111578		1
Al317395_j3	0	0.134544 1.79769e+308	0.0182032		1
Rpf2_j4	0	0.148457	0	1	1
Rpf2_j5	0	0.0821423	0	1	1
Ccdc162_j11	0.152021	0.451139	1.5693	0.0045677	0.0474527
Cep5711_j2	0.0822117	0.0372935	0	1	1
Armc2_j5	0.279806	0.303092	0.115331	0.882842	0.96274
Sobp	0.670342	0.653562	-0.0365728	0.88648	0.964026
Aim1	0.115613	0.150018	0.375829	0.452613	1
XLOC_002744	0.134869	0.202834	0.588745	0.478598	0.773238
Lin28b_j1	0.110087	0.207314	0.91318	0.0636976	0.299317
Lin28b_j2	0.0493172	0.092317	0.904504	0.219129	1
Lin28b_j3	0.300748	0.439567	0.54753	0.102431	0.396457
Grik2_j6	0	0.145241	0	1	1
Grik2	0.0648193	0.447761	0	1	1
B230314j19_j1	0.149012	0.145116	-0.0382278	0.938573	0.981243
Fam184a_j7	0.000592598	0.0583424	0	1	1
Sept10_j3	1.26277	1.37642	0.124333	0.659986	0.87099
Sept10_j2	1.67699	1.75197	0.0631058	0.74373	0.910328
Ccdc109a_j3	1.3254	2.09277	0	1	1
Anapc16_j1	14.0627	16.1041	0.195556	0.210261	0.554818
Chst3_j1	1.09036	1.35264	0.310967	0.0895951	0.367183
Slc29a3_j3	3.1984	3.52965	0	1	1
X99384_j2	0.692294	1.03368	0	1	1
Col13a1_j13	0.0191709	0.0698482	1.8653	0.210884	1
Supv3l1_j1	1.42015	1.14864	0	1	1
2510003E04Rik_j1	0.17145	0.227046	0.405196	0.567459	0.824883
Ddx21_j1	2.68085	1.03868	0	1	1
Ddx50_j5	0	0.115797	0	1	1
Ccar1_j2	0.622358	0.778878	0	1	1
Ccar1_j4	1.45179	3.76537	0	1	1
Mypn_j4	0	0.0478307 1.79769e+308	0.11598		1
Sirt1	0	0.184055 1.79769e+308	0.0032752	0.0369614	
Lrrtm3_j1	0.315169	0.271761	-0.213787	0.624685	0.853434
Nrbf2_j2	0.568173	0.565978	0	1	1
Phyhipl_j4	0.229625	0.0718189	0	1	1
Bicc1_j1	0.0220666	0.129636	0	1	1
Bicc1_j2	0.198485	0.361667	0	1	1
Cisd1_j3	0	0.079982 1.79769e+308	0.135479		1
Cabin1_j7	3.17509	2.83422	0	1	1
Gstt4_j1	0.101627	0.432231	2.08852	0.0010729	0.0151185
Dip2a_j2	3.53133	2.61498	0	1	1
Dip2a_j1	2.11034	2.08229	0	1	1
Pcnt_j3	0.196784	0.142364	0	1	1
Col6a1_j1	1.61054	2.2951	0.511011	0.0108504	0.0908465
Pcbp3_j14	6.63179	5.91729	0	1	1

Pcbp3_j15	7.56113	11.8615	0	1	1
Adarb1_j1	5.24576	7.38601	0	1	1
Lrrc3_j2	0.724607	2.06614	0	1	1
Trpm2_j5	3.48287	2.58495	-0.430138	0.0248157	0.163389
Trpm2_j6	0.276272	1.10739	2.003	6.90E-12	8.74E-10
D10Jhu81e_j2	25.8689	23.9323	-0.112262	0.402266	0.725446
Rrp1_j6	0.286722	20.7317	0	1	1
Rrp1_j7	35.1119	28.0655	0	1	1
Syde1_j1	1.60566	1.41939	0	1	1
Ppap2c	0	1.33009	0	1	1
Mier2_j5	0.792197	1.00017	0	1	1
Mier2_j6	0.937585	1.04345	0	1	1
Shc2_j4	0.563458	0.579773	0	1	1
Shc2_j3	0.0633952	0.390591	0	1	1
Polrmt_j2	0.408118	1.03054	1.33634	3.64E-05	0.0009112
Polrmt_j1	0.0276847	0.231298	3.06259	0.0017362	0.0223162
Rnf126_j1	10.8401	14.3219	0	1	1
Sbno2_j3	0	1.02578	0	1	1
Sbno2_j4	3.82932	8.48618	0	1	1
Dos_j3	0.242524	0.266662	0	1	1
Adamts15_j6	0.315481	0.535993	0.764662	0.0562392	0.277482
Adamts15_j5	0.590278	0.946912	0.681836	0.0171615	0.126598
Tcf3_j3	0.776447	1.93543	0	1	1
Atp8b3_j5	0	0.157481	1.79769e+308	0.0091351	0.0801339
Atp8b3_j11	0.0877722	0.0515274	-0.768423	0.678223	1
Jsrp1_j3	0.0779532	0.0855138	0.133549	0.92211	1
Lingo3_j1	0	0.0611884	1.79769e+308	0.0521636	1
Lmnb2_j3	1.91676	1.96595	0.0365622	0.847653	0.951788
Gng7_j1	0	0.345322	1.79769e+308	4.92E-05	0.0011786
Gipc3_j2	0.128403	0.110394	-0.218028	0.778618	1
Hmg20b	2.48544	1.04079	0	1	1
Nfic_j1	9.4995	1.38568	0	1	1
Ncln_j4	1.4901	2.56631	0	1	1
Gna15	0.0692782	0.282162	2.02605	0.0033941	0.0380125
Tle6_j4	0.147713	0.065243	-1.1789	0.388946	0.71624
B230315N10Rik	8.15044	7.69592	-0.0827842	0.531645	0.803676
Nuak1_j5	5.59821	6.49009	0	1	1
Nuak1_j6	0	0.155973	0	1	1
Cry1_j2	4.94E-05	0.605833	0	1	1
Prdm4_j2	8.49505	9.84722	0	1	1
4930547N16Rik	0.164114	0.198755	0.276292	0.578995	0.830622
Ano4_j8	2.7513	1.36259	0	1	1
Gas2l3_j3	0	0.428336	0	1	1
Slc17a8_j3	0.387549	0.368304	-0.0734803	0.888857	0.964743
Actr6_j2	0.409726	0.202607	-1.01597	0.192088	0.534262
Tmpo_j1	0	0.460469	0	1	1
Tmpo_j2	0.975613	0.678968	0	1	1

Rmst_j5	0.051493	0.1564	1.6028	0.107581	1
Nedd1_j1	0	0.0819102	1.79769e+308	0.0162177	1
4930485B16Rik_j1	0.0444192	0.100293	1.17497	0.346117	1
Snrpf	3.25992	3.52938	0.11458	0.568535	0.825633
Vezt_j4	4.19288	3.98746	0	1	1
Plxnc1_j1	1.93232	1.38705	0	1	1
Mrpl42_j1	7.97565	5.97763	-0.416028	0.11425	0.420617
Mrpl42	28.1293	27.7856	-0.0177372	0.895264	0.966918
Nudt4_j1	38.8396	39.2383	0	1	1
Gm10754_j5	0.143063	0.156063	0.125486	0.83583	0.947255
Tmtc3_j7	0	0.288869	0	1	1
Lrriq1_j4	0	0.278827	1.79769e+308	0.001543	0.0202104
Lrriq1_j5	0	0.053898	1.79769e+308	0.0148255	1
Lrriq1_j10	0.0193597	0.0759758	1.97248	0.088602	1
Lrriq1_j13	0.0696174	0.0959972	0.463544	0.738481	1
Tmtc2_j2	0	0.0948582	1.79769e+308	0.0373644	1
XLOC_002980	0.0721425	0.289854	2.00641	0.157717	0.491865
Ptprq_j2	0.16971	0.153017	-0.149384	0.813278	0.939015
Ptprq_j3	0.000975578	0.0818702	6.39094	0.397151	1
Ptprq_j5	0.094518	0.110316	0.222978	0.792786	1
Syt1_j8	0	0.871327	0	1	1
Syt1_j9	0.370735	0.62071	0	1	1
Nav3_j1	0	0.117785	1.79769e+308	0.0001531	1
Nav3_j2	0	0.102695	1.79769e+308	9.89E-05	1
Zdhhc17_j3	0.797396	0.886944	0	1	1
Glipr1_j3	1.34983	1.61842	0.261808	0.474542	0.770688
Tph2_j1	0.165203	0.196934	0.253465	0.774339	0.92355
Tph2_j2	0.0775116	0.0616978	-0.329194	0.802232	1
Tmem19_j2	1.99783	1.14693	0	1	1
Lgr5_j2	0.646691	0.5458	0	1	1
XLOC_002999	0.0745882	0.0720867	0	1	1
Kcnmb4_j1	9.36716	13.6882	0.547249	0.0085082	0.0759335
Cnot2_j6	0.971747	1.07815	0	1	1
Gm239_j2	4.65657	3.30655	0	1	1
Mdm2_j2	0.596694	0.72341	0	1	1
Slc35e3_j2	0.000345004	0.913929	11.3713	0.617539	0.849506
Dyrk2_j1	0.876082	0.466097	-0.910434	0.002134	0.0262863
Cand1_j1	10.9405	9.96313	0	1	1
Msr3_j2	0.55272	0.650104	0.234121	0.485401	0.777011
Tbc1d30_j2	3.43642	3.75066	0	1	1
Mon2_j1	0.858204	1.22197	0.509815	0.0139383	0.109108
Slc16a7_j2	0	0.200004	0	1	1
Slc16a7_j8	0.0057785	0.0967751	0	1	1
Arhgef25_j8	0.164946	0.281097	0	1	1
Arhgef25_j9	0.259614	0.0850633	0	1	1
Arhgef25_j10	0.209896	0.638149	0	1	1
Dtx3_j8	20.1147	20.4355	0	1	1

Kif5a_j9	1.9751	2.42232	0	1	1
Kif5a_j10	5.63191	5.10178	0	1	1
Kif5a_j11	2.75401	3.53243	0	1	1
Gli1_j5	0.0811565	0.200044	1.30154	0.0490918	0.255385
Shmt2_j1	3.07083	3.84616	0.324789	0.099662	0.390857
Lrp1_j3	5.36615	6.24552	0	1	1
Myl6_j2	75.184	92.2378	0	1	1
Esyt1_j2	0	0.0736817	0	1	1
Rps26_j6	20.4177	22.7294	0.154743	0.378073	0.709693
Rps26_j2	0.5291	1.67627	1.66365	0.0216812	0.148971
Rab5b_j10	0.116313	0.419565	1.85089	0.0021456	0.0263622
Rab5b_j11	0	0.166603	1.79769e+308	0.0035512	0.039391
Cdk2_j2	0	0.120541	1.79769e+308	0.0272169	1
Dgka_j1	0.683625	0.509484	0	1	1
Fbxo5_j2	0	0.0773365	1.79769e+308	0.110314	1
Syne1_j2	0.107088	0.206591	0.947988	1	1
Syne1_j8	0	0.224908	0	1	1
Syne1_j9	0.10119	0	0	1	1
XLOC_002183	0	0.0936295	0	1	1
XLOC_002183	0.0884235	0.0793576	-0.156062	1	1
XLOC_002183	0	0.076442	0	1	1
XLOC_002183	0.272566	0.155482	-0.809861	1	1
Syne1_j8	0.241407	0.171383	0	1	1
Rmnd1_j7	0.0311388	0.145022	2.21949	0.0005002	1
Zbtb2_j1	1.25913	1.17172	-0.103799	0.666738	0.873843
Zbtb2	0.233916	0.492968	1.0755	0.0176618	0.129159
Lats1_j1	3.14223	3.56157	0.180726	0.240639	0.588061
XLOC_002193	0.0603851	0.087588	0.53654	0.59725	1
Fbxo30_j2	0.31057	0.442867	0.511954	0.175281	0.513636
Fuca2	0.641121	0	-1.79769e+308	6.00E-08	3.48E-06
AK006045_j1	0	0.155231	1.79769e+308	0.0358357	1
Cited2	0.899656	0.246603	-1.86718	0.0046946	0.0483954
Reps1	0	0.533787	0	1	1
XLOC_002212	0.108979	0.0754155	-0.531114	0.627144	1
Bclaf1_j2	3.43378	4.10892	0	1	1
Fam54a_j4	0.135316	0.194317	0.522078	0.688027	0.884086
Hbs1l_j2	0.182257	0.168523	-0.113032	0.927378	0.977629
Sgk1_j2	0.159619	0.971148	2.60506	3.38E-06	0.0001202
Raet1a_j2	0	0.169241	1.79769e+308	0.0465351	0.247371
Moxd1_j1	8.5935	8.36788	-0.0383846	0.745323	0.91128
Med23_j4	2.37043	2.99385	0.336851	0.0833449	0.351994
Ptprk_j14	0.385505	0.733575	0.928195	0.0016113	0.0209603
Ptprk_j15	0.424207	0.471203	0.15158	0.723222	0.90144
9330159F19Rik_j5	14.0017	13.615	0	1	1
Fyn_j5	1.61071	2.34736	0	1	1
Mical1_j3	0.555487	0.687887	0.308419	0.3506	0.687976
Mical1_j5	3.22115	3.84587	0.255733	0.0631686	0.297981

Mical1_j8	5.50879	6.65953	0.273686	0.0651355	0.303964
Cd164_j5	1.77719	1.5288	-0.217201	0.730792	0.904795
Ostm1_j1	0.217789	3.49268	0	1	1
Sec63_j4	0.885402	1.33377	0.591108	0.0170735	0.126115
Sec63_j5	11.4623	11.8501	0.0480006	0.727939	0.903627
Scml4	0.710213	1.01659	0.51741	0.0459335	0.245257
XLOC_002275	0	0.066689	1.79769e+308	0.0740661	1
Atg5_j3	2.07649	2.00946	-0.0473391	0.896423	0.967019
Popdc3	3.84551	3.93915	0	1	1
Hace1_j2	4.18306	4.07916	-0.0362853	0.899164	0.967697
Lilrb4_j1	0.195721	0.114671	-0.771299	0.562119	0.821999
Lilrb4_j4	0.0821505	0.276771	1.75235	0.007346	0.0682742
Lilrb4_j3	0.215548	0.288466	0.420395	0.24807	0.595431
Lilrb4	0.0789273	0.223866	1.50404	0.148544	0.477406
Msl3l2_j1	3.26828	3.83901	0.232202	0.173225	0.510867
Gcc2_j1	0.197008	0.378252	0.941088	0.0087824	0.0777821
Ranbp2_j4	0.728543	0.729731	0	1	1
Ccdc138_j3	0.467673	0.536174	0.1972	0.632904	0.857331
Ccdc138	1.0586	0.66427	-0.672313	0.166173	0.502787
Sh3rf3_j4	0	0.0819769	1.79769e+308	0.0011328	1
Lrrc20_j1	0.291761	0.477382	0	1	1
Lrrc20_j2	0	0.374826	0	1	1
Aifm2_j1	1.46639	1.6317	0.154106	0.506131	0.788656
Dna2_j1	0	0.126879	1.79769e+308	0.0019844	1
Herc4_j1	0.0801465	0.390515	0	1	1
Ctnna3_j2	0.0946407	0.203823	1.10678	0.14229	0.468933
Ank3_j8	0.0979238	0.25623	1.38771	5.00E-05	0.0011922
Ank3_j10	13.9801	17.4342	0.318547	0.0072592	0.0677203
Ccdc6_j2	7.75905	7.10813	0	1	1
Slc16a9_j1	0.010452	0.460777	0	1	1
Slc16a9	1.76376	1.336	0	1	1
Rab36_j3	2.33811	0.673531	0	1	1
Mcm3ap_j1	4.32472	4.93355	0.190019	0.150767	0.481532
Lss_j1	0.687743	0.742441	0	1	1
Sumo3_j1	46.2941	47.2777	0.0303343	0.758748	0.917041
Dnmt3l_j1	0.125989	0.418799	1.73297	0.0051736	0.0520336
Icosl_j1	0	0.0945498	1.79769e+308	0.0317426	1
Fstl3_j2	0	0.119678	1.79769e+308	0.0391585	1
9130017N09Rik_j1	0	0.0887789	1.79769e+308	0.0356843	1
Ptbp1_j5	1.25276	1.44067	0	1	1
Ptbp1_j4	0.747807	0.673019	0	1	1
Ptbp1_j6	0.537374	1.08523	0	1	1
Arid3a_j2	0.0516818	0.108633	1.07174	0.15105	1
Wdr18_j1	0.176951	0.264175	0.578147	0.254138	0.602447
Abca7_j9	26.5835	28.7305	0	1	1
Hmha1_j1	0.0556177	0.0849495	0.611061	0.416886	1
Cirbp_j1	0	0.0603567	1.79769e+308	0.0873965	1

Cirbp_j4	0	0.0948084	1.79769e+308	0.0397819	1
Efna2_j1	2.16E-05	0.64377	14.8618	0.978685	0.993756
Dazap1_j3	3.63948	2.48309	-0.551597	0.0459346	0.245257
Rps15_j6	129.918	160.666	0.306458	0.0047031	0.0484619
Apc2_j1	8.11495	6.20468	-0.387226	0.0001188	0.002482
Reep6_j2	0	0.150893	1.79769e+308	0.0175697	1
Csnk1g2	3.14904	3.98408	0	1	1
Izumo4_j4	0.113253	0.783864	2.79105	0.0017138	0.0220984
Dot1l_j3	0.517486	0.841535	0.701505	0.00497	0.0504971
Dot1l_j4	0.263906	0.282442	0.0979331	0.791036	0.930334
Dot1l_j10	0.136964	0.268348	0.970307	0.167025	0.503276
Sppl2b_j1	0.0949425	0.131398	0.468822	0.501941	1
Sppl2b_j3	5.91941	4.92463	-0.265438	0.119227	0.429562
Tmprss9_j3	0.32871	0.116212	-1.50005	0.0096534	0.0834928
Eef2	228.895	256.013	0.161529	0.0741467	0.328254
Apba3_j1	1.94591	1.6755	0	1	1
Tbxa2r	0.0679507	0.143763	1.08113	0.300766	1
Dohh_j1	0.129954	0.299559	1.20483	0.0898571	0.367861
Ankrd24_j13	0.125462	0.38322	0	1	1
Ankrd24_j15	1.30836	1.10095	0	1	1
BC062115_j3	0.198854	0.318333	0.678831	0.236317	0.583536
XLOC_002451	0.121992	0.179862	0.560106	0.476505	0.772159
Mif1_j5	0.110533	0.158822	0.522935	0.41611	0.733677
Tdg_j3	0.202742	0.365514	0.85028	0.019448	0.138267
Txnrd1_j5	0	0.461338	0	1	1
Txnrd1_j6	35.8462	46.7395	0	1	1
A230046K03Rik_j3	0	0.247231	0	1	1
XLOC_002466	0.026528	0.115131	2.11769	0.228125	1
XLOC_002469	0	0.0544215	1.79769e+308	0.115571	1
Timp3_j1	0	0.0723834	0	1	1
BC030307_j10	0	0.0474857	1.79769e+308	0.100874	1
Nt5dc3_j3	2.66208	3.73603	0	1	1
Igf1_j5	0	0.0717691	1.79769e+308	0.0050067	1
Pmch_j1	0.0789927	0.109289	0.468358	0.706961	1
Ccdc53_j2	7.11239	7.14726	0.00705732	0.979583	0.994006
Sycp3_j1	0.252275	0.0385134	-2.71157	0.104985	0.402248
Cdk17_j1	0.452458	0.38894	0	1	1
Tmcc3	0.291138	0.524548	0	1	1
Ube2n_j3	0.301568	0.528574	0.80962	0.0357211	0.20846
Epyc_j1	0.624313	0.434809	-0.521886	0.147215	0.475769
XLOC_002519	0.0361912	0.0495345	0.452793	0.781897	1
Wdr51b_j1	0.368143	0.456671	0.310891	0.480006	0.77397
Ppfia2_j5	1.70511	1.79926	0.0775406	0.676112	0.878079
Ppfia2_j13	1.63222	2.32041	0.507548	0.0852428	0.356401
XLOC_002533	0.0719713	0.189559	0	1	1
Zfc3h1_j5	3.95155	4.43972	0	1	1
Tspan8_j1	14.223	16.5866	0	1	1

Ptprr_j4	0.272466	0.113896	0	1	1
AK016788_j5	0	0.0861832	0	1	1
Mdm1_j5	0	0.088172	1.79769e+308	0.0237435	1
Mdm1	0.239866	0.281038	0.228538	0.646762	0.863884
Grip1	0.494592	0.000127991	0	1	1
Llph_j4	0.14504	0.101904	-0.509246	0.406698	0.727764
Ppm1h_j3	6.74454	12.1904	0	1	1
Lrig3_j3	0	0.0590374	1.79769e+308	0.0903783	1
Ctdsp2_j2	0	0.111517	1.79769e+308	0.0073675	1
Avil_j1	21.8376	75.241	0	1	1
Avil_j8	0.244718	0.496277	0	1	1
B4galnt1_j2	3.43594	3.21442	-0.0961477	0.617813	0.849619
B4galnt1_j4	3.66496	4.46844	0.285976	0.111379	0.415457
R3hdm2_j8	4.91611	3.93667	0	1	1
XLOC_002588	0.105547	0.0925382	-0.189764	0.834517	1
Stac3_j5	0.0247691	0.10577	2.09432	0.398634	1
Stac3_j12	0.104179	0.144934	0.476336	0.736153	1
Myo1a_j5	0.18157	0.848366	0	1	1
XLOC_002593	0.0913573	0.136979	0.584357	0.428785	1
XLOC_002597	0.0444429	0.0604428	0.44362	0.741914	1
Ptges3_j3	100.588	105.228	0.065058	0.465197	0.765114
Timeless_j5	0.0740462	0.334524	2.17561	0.0220211	0.150648
Stat2_j2	0.341014	0.425054	0	1	1
Stat2_j3	1.7219	3.5197	0	1	1
Pan2_j8	0.110011	0.274919	1.32136	0.0124149	0.100677
Cnpy2_j1	0	1.05305	1.79769e+308	0.00222	0.0270685
Ankrd52_j3	0	0.0910446	0	1	1
Rnf41_j1	0.539679	0.673008	0	1	1
Rnf41_j4	18.0179	21.7178	0	1	1
XLOC_002609	0.00250946	0.0575323	0	1	1
Pym_j1	0.0380825	0.181093	0	1	1
1110005A23Rik_j2	0.45274	1.44301	0	1	1
Dnajc14_j1	9.18413	9.79962	0	1	1
Cd63_j5	14.0267	23.8239	0.764232	2.41E-05	0.0006454
Cd63_j9	0.289148	1.09805	1.92506	0.0078423	0.0715092
Akap12_j7	49.3266	53.487	0	1	1
Mthfd1l_j1	1.85208	2.57526	0	1	1
Plekhg1_j2	0.451461	0.185087	0	1	1
Ppp1r14c_j2	0	1.36781	0	1	1
Ppp1r14c_j3	4.36776	4.45231	0	1	1
Pcmt1_j2	0.43341	0.324037	0	1	1
Ust_j7	7.23536	7.61242	0	1	1
Sash1_j5	0	0.255331	0	1	1
Stxbp5_j2	0.716545	0.483025	0	1	1
9130014G24Rik_j12	0.0684227	0.0847818	0.309279	0.713054	1
Utrn_j11	0.269956	0.522373	0	1	1
Utrn_j12	7.84635	8.97574	0	1	1

Ltv1_j2	1.72074	3.10956	0	1	1
Phactr2_j1	1.43079	3.26505	0	1	1
Aig1_j2	6.79322	6.20334	-0.13105	0.524153	0.799783
Gpr126_j4	0.549154	0.4913	0	1	1
Vta1_j1	11.2601	11.5568	0.0375218	0.850959	0.952632
3110003A17Rik_j3	0.508568	0.164742	-1.62623	0.247348	0.594884
Ccdc28a_j1	10.3478	10.6512	0.041697	0.854788	0.954015
Hebp2_j1	1.6704	1.83864	0.13844	0.484505	0.776397
Tnfaip3_j1	0.0270865	0.109141	2.01055	0.0429362	1
AK053193_j1	0.0370074	0.299726	3.01776	0.199521	0.542548
Rps12_j6	0.000190514	0.21428	10.1354	0.789444	0.92976
Enpp3_j3	0.110399	0.0411085	-1.42522	0.418118	1
Akap7_j1	0.417105	0.204494	-1.02835	0.21335	0.55853
L3mbtl3_j1	0.40229	0.591135	0	1	1
Lama2_j1	0.85056	1.40873	0.727908	0.0032585	0.0368315
Lama2_j2	0.726107	0.607877	-0.256402	0.391029	0.717708
Lama2_j3	0.0824794	0.152743	0.889005	0.0507792	1
2310057J18Rik	0.0861486	0.201148	1.22336	0.147387	0.476036
Trmt11_j1	0.740774	1.22878	0.730124	0.196213	0.538985
Ncoa7_j3	1.25273	1.23309	0	1	1
Clvs2_j2	1.21802	1.63476	0.424541	0.24409	0.591518
Wisp3_j1	1.25E-05	0.102565	13.0051	0.965389	1
Gm16364_j1	0	0.761761	0	1	1
Gm16365_j3	0.118607	0.415868	0	1	1
Slc16a10_j4	0.176218	0.168953	-0.060742	0.953809	0.98656
Ccdc162_j5	0.0871199	0.320495	1.87923	0.0236225	0.157919
Ccdc162_j13	0	0.0497634	1.79769e+308	0.0884795	1
XLOC_002728	0	0.155096	1.79769e+308	0.036684	1
Cep57l1_j4	0.289258	0.829756	0	1	1
Cep57l1_j5	0	0.0565515	0	1	1
Cep57l1_j6	0.678496	0.463887	0	1	1
Armc2	0.112118	0.161805	0.529235	0.358048	0.693676
Foxo3_j2	0.0785835	0.894303	0	1	1
Lace1_j5	0.503716	0.189115	0	1	1
AK145144_j4	0.0362538	0.121929	1.74984	0.260533	1
Sobp_j2	3.34317	3.30998	-0.0143926	0.945865	0.983787
Prdm1_j1	0.137976	0.211677	0.617448	0.207029	0.551484
Prdm1	0.176905	0.32586	0.881275	0.0118875	0.0975199
Lin28b_j5	1.68E-05	0.0663358	11.9499	0.94379	1
Lin28b_j15	0.364626	0.253134	-0.526518	0.0921182	0.373416
Grik2_j3	0	0.100993	0	1	1
Grik2_j4	1.23867	0.998219	0	1	1
Mcm9_j5	0.0421118	0.108364	1.36359	0.0678072	1
Fam184a_j6	0.560876	0.583653	0	1	1
Fam184a_j5	0	0.170729	0	1	1
Serinc1_j4	211.885	192.071	0	1	1
Chst3_j4	0.111296	0.0973957	-0.192475	0.762479	1

Unc5b_j1	1.8526	1.73097	-0.0979748	0.58274	0.832835
2010107G23Rik_j2	1.25487	1.86779	0	1	1
Hk1_j5	1.35573	0.645894	0	1	1
Ddx50_j1	3.4768	2.83057	0	1	1
Ccar1_j6	1.31006	0.93902	0	1	1
Tet1_j4	0.0669894	0.092292	0.462274	0.703862	1
XLOC_002796	0.0151585	0.138262	3.18921	0.118964	1
1110038D17Rik_j1	3.88257	3.94505	0	1	1
Susd2_j1	1.75173	2.82538	0.689668	1.75E-05	0.0004969
Susd2_j7	0.231586	0.220659	-0.0697295	0.909106	0.971253
Cabin1_j1	6.13525	7.22181	0	1	1
Cabin1_j3	0.816198	2.46198	0	1	1
Gstt2_j2	0.791025	1.30799	0.725559	0.0423059	0.232546
Smarcb1_j1	22.0853	26.9228	0.285744	0.009409	0.0819322
Pcnt_j4	0.0716958	0.341658	0	1	1
Pcbp3_j6	15.8546	13.4758	0	1	1
Pcbp3_j5	0.217443	0	0	1	1
Pcbp3_j7	2.09034	1.67096	0	1	1
Col18a1_j8	3.2623	4.42154	0.43866	0.0001328	0.00272
Adarb1_j2	0.0389875	0.0851674	0	1	1
Pfkl_j2	22.6938	21.3849	-0.0857066	0.353091	0.689667
Agpat3_j1	0	0.198571	1.79769e+308	4.28E-05	0.0010433
Agpat3_j8	3.75187	2.82273	-0.410518	0.008803	0.0779222
Rrp1_j5	0	0.202233	0	1	1
Ppap2c	1.22665	1.05958	0	1	1
Shc2_j1	1.33804	0.382933	0	1	1
Med16_j2	3.05384	4.3419	0	1	1
Med16_j3	0.11821	0.114064	0	1	1
Dos_j4	5.61495	5.02172	0	1	1
Pcsk4_j6	0.139574	0.140904	0.0136806	0.990258	0.997044
Adamts15_j1	0.0280521	0.0858597	1.61387	0.133353	1
Uqcr11_j1	12.7831	12.7251	-0.00656127	0.983471	0.995138
Tcf3	2.05702	1.37505	0	1	1
Tcf3_j4	0.321459	0.380242	0	1	1
Tcf3	1.2615	3.20512	0	1	1
Atp8b3_j6	0	0.0504822	1.79769e+308	0.161499	1
Atp8b3_j7	0	0.0799123	1.79769e+308	0.0523122	1
Rexo1_j1	1.27071	1.36349	0	1	1
Klf16	7.24645	7.19999	-0.00927987	0.945326	0.983703
Btbd2_j1	14.1839	17.0765	0	1	1
Mknk2_j4	5.66916	9.40246	0	1	1
Ap3d1_j1	21.1319	24.571	0	1	1
Ap3d1_j2	0.0688324	0.33156	0	1	1
Slc39a3_j2	0.697755	0.390593	0	1	1
Slc39a3	5.56132	5.00866	0	1	1
Atcay_j2	8.4425	8.45372	0	1	1
Mrpl54_j2	0	0.201978	0	1	1

Hmg20b	3.67217	4.45115	0	1	1
Fzr1_j4	1.16754	1.57185	0.428984	0.0666416	0.308452
Gna11_j1	8.33589	10.2436	0	1	1
Tle6_j2	0.268705	0.243321	-0.143164	0.81615	0.940221
XLOC_002912	0.100007	0.128769	0.364679	0.787876	1
XLOC_002912	0.0526007	0.129761	1.30271	0.133437	1
Nfyb_j1	0.214407	0.856516	0	1	1
Slc41a2_j7	0	0.209707	0	1	1
Appl2_j1	2.50829	2.70588	0	1	1
Appl2_j2	0.197613	0.430987	0	1	1
Appl2_j4	2.31371	2.63625	0	1	1
Nuak1_j3	0	0.212821	0	1	1
Nuak1_j4	2.45073	1.46058	0	1	1
Mterfd3_j1	0	0.173767	0	1	1
Prdm4_j1	0.228143	0.974009	0	1	1
Dram1_j1	0	0.164466	1.79769e+308	0.0053272	0.0532056
Utp20_j5	2.21984	2.90775	0	1	1
Ano4_j4	0.578591	0.875512	0	1	1
Ano4_j5	0	0.284267	0	1	1
Scyl2	3.28008	2.46234	0	1	1
Apaf1_j1	1.15528	1.14989	0	1	1
Tmpo_j3	0.734257	0.770296	0	1	1
BC065048_j1	0	0.17161	1.79769e+308	0.0590612	0.28563
Metap2_j2	0.0332257	0.117861	0	1	1
Vezt_j6	0.426301	0.29045	0	1	1
4932415G12Rik_j3	0	0.0651372	1.79769e+308	0.00902	1
Plxnc1_j6	10.8778	12.2209	0	1	1
XLOC_002961	0.0490961	0.107912	1.13618	0.32514	1
Socs2_j2	0.369851	0.553853	0	1	1
Socs2	7.03987	9.19886	0	1	1
Gm10754_j6	0.703781	0.511642	-0.459992	0.217801	0.563904
Tmtc3_j4	0.0885742	0.456195	0	1	1
Nts_j3	2.67134	7.92798	1.56939	1.40E-09	1.14E-07
Nts_j4	0.172811	0.453279	1.39121	0.0937663	0.377256
XLOC_002980	0	0.191886	1.79769e+308	0.0516205	0.263422
Syt1_j3	0	0.220839	0	1	1
Syt1_j6	0	0.402625	0	1	1
Nav3_j8	0.842588	0.885424	0.0715424	0.781297	0.926119
Nav3_j9	0.000106592	0.192377	10.8176	0.662815	0.872283
Nav3_j10	0.0142869	0.0483711	1.75945	0.0760997	1
Zdhhc17_j8	0	0.288844	0	1	1
Zdhhc17_j9	0.620797	0.678394	0	1	1
Glpr1_j2	0.829447	0.990706	0.256308	0.559922	0.820916
Lgr5_j3	0.319145	0.34856	0	1	1
Cnot2_j4	2.62311	4.05395	0	1	1
Cnot2_j5	0.0431998	0.160864	0	1	1
XLOC_003014	0.0713145	0.135872	0.929983	0.259839	1

XLOC_003014	2.27E-06	0.0660103	14.8248	0.997854	1
helB	0.173506	0.252899	0.543573	0.425463	0.74056
Helb_j5	0.346082	0.222612	-0.636582	0.200422	0.543772
Lemd3_j3	2.75255	2.72338	-0.0153708	0.941679	0.982193
Xpot_j5	5.38313	5.64694	0	1	1
Xpot_j9	0.315106	0.606982	0.945818	0.361097	0.695733
Gm9079	0.927307	1.09411	0.238645	0.375581	0.707831
Slc16a7_j1	0	0.125019	0	1	1
Xrcc6bp1_j1	0.058681	0.0959807	0.709852	0.576325	1
Xrcc6bp1_j5	1.30371	1.23604	-0.0768877	0.870416	0.958726
Os9_j2	0	0.546966	1.79769e+308	9.48E-07	3.95E-05
Arhgef25_j6	1.99863	1.76206	0	1	1
Dtx3_j3	0.821608	0.959258	0	1	1
Dtx3_j4	2.45385	4.60454	0	1	1
Kif5a_j2	24.8429	19.92	0	1	1
Gli1	0	0.131752	1.79769e+308	0.0021912	1
Nab2_j4	4.72471	5.56436	0	1	1
Obfc2b_j1	22.7723	21.1812	0	1	1
Myl6_j5	0.40476	1.4513	0	1	1
Myl6_j6	124.796	146.407	0	1	1
Esyt1_j1	42.0098	69.2439	0	1	1
Zc3h10_j3	0	0.394536	0	1	1
Rpl41_j4	1.3819	3.28106	0	1	1
Rab5b_j7	0.732971	0.130474	-2.48999	0.000543	0.008744
Rab5b_j8	0	0.242836	1.79769e+308	0.0010393	0.0147256
Rab5b_j9	0.00240101	0.509401	7.72901	0.0485283	0.253646
Cdk2_j3	0.119507	0.284498	1.25133	0.111547	0.415659
Syne1_j1	0	0.170369	0	1	1
Syne1_j10	0.0543245	0.209573	0	1	1
Syne1_j11	0.139409	0.206386	0	1	1
Syne1_j1	0.270326	0.238611	-0.180041	1	1
XLOC_002183	0.0410005	0.0508249	0	1	1
XLOC_002183	0.210579	0.183376	0	1	1
XLOC_002183	0.132441	0.145322	0.133906	1	1
Syne1_j11	4.8271	4.30279	0	1	1
Syne1_j12	1.86624	2.03803	0	1	1
Rmnd1_j2	4.22676	5.94809	0.492875	0.0325714	0.1962
Rmnd1_j9	0.0622467	0.11333	0.864462	0.161076	1
Nup43	3.90242	3.2932	-0.244879	0.217013	0.563119
XLOC_002193	0.0217047	0.0849742	1.96902	0.282163	1
XLOC_002194	0.159024	0.29541	0	1	1
Shprh_j1	1.80377	1.38649	-0.37958	0.0197647	0.139703
Fbxo30_j1	0.909746	1.25054	0.459021	0.160784	0.495357
Plagl1_j4	1.53389	1.59354	0	1	1
Plagl1_j3	0	0.820949	0	1	1
XLOC_002204	0.025834	0.139015	2.4279	0.0698289	1
Nhsl1_j2	0.701191	0.420812	-0.73663	0.0017948	0.0229315

Nhsl1_j1	0.215257	0.519054	1.26982	2.23E-06	8.38E-05
AK044491_j2	0.0998566	0.312742	1.64704	0.283729	0.632126
Ifngr1_j1	2.05297	2.10993	0	1	1
Map3k5_j2	0	0.0629758	0	1	1
Mtap7_j1	2.41262	2.40965	0	1	1
Fam54a_j2	4.89E-06	0.112932	14.4953	0.994728	1
Ahi1_j5	8.2848	8.20951	-0.0131707	0.934146	0.979958
Raet1e	0.032998	0.292861	3.14976	0.048301	0.252794
Raet1a_j1	0.0294755	0.157771	2.42025	0.20177	0.545317
H60b_j1	0.032002	0.183373	2.51855	0.181115	0.521082
1110021L09Rik_j3	0.602672	0.948323	0	1	1
Med23_j2	0	0.0656823	1.79769e+308	0.0504713	1
Med23_j5	0.820098	1.71804	1.0669	0.0773301	0.336628
Epb4.1l2_j6	0	0.217055	1.79769e+308	0.0027811	0.032421
Epb4.1l2_j9	0.464821	0.774299	0.736217	0.180835	0.520645
Arhgap18	0.190343	0.593841	1.64148	7.54E-05	0.0016839
Arhgap18_j7	3.18E-05	0.0630879	10.9548	0.952839	1
6330407J23Rik_j2	16.3669	19.1845	0	1	1
6330407J23Rik_j3	15.463	15.6557	0	1	1
XLOC_002238	0.0189202	0.0839019	0	1	1
Hdac2_j4	7.52399	13.6885	0	1	1
Lama4_j1	0.434551	0.697764	0.683214	0.0183881	0.133078
Fyn_j1	5.45773	7.82933	0	1	1
Rev3l_j3	0.0839264	0.242384	0	1	1
Zbtb24_j1	0	0.0696825	1.79769e+308	0.117895	1
Mical1_j4	0.14676	0.121379	-0.273943	0.713467	0.896209
Mical1_j6	0	0.0799178	1.79769e+308	0.001949	1
Sesn1_j1	2.94084	5.2271	0	1	1
Sec63_j3	6.87825	6.9831	0.0218258	0.851883	0.952976
Scml4_j2	0	0.17115	1.79769e+308	0.0006616	0.0102667
Lilrb4	0.139833	0.275795	0.97989	0.238147	0.585036
Slc35f1_j2	8.23343	7.1223	-0.20915	0.0837985	0.353054
Fabp7_j2	131.048	131.843	0	1	1
Smpdl3a_j1	10.0035	7.98933	0	1	1
Gcc2_j3	1.76797	1.67556	-0.0774508	0.794292	0.931391
Ccdc138_j2	0.116909	0.103185	-0.180162	0.841056	1
Ccdc138_j9	0.0600536	0.210967	1.8127	0.0370927	0.213277
Sh3rf3_j6	0	0.171575	1.79769e+308	6.60E-05	0.0015104
XLOC_002308	0.0743192	0.120598	0.698402	0.468011	1
Dna2_j7	0	0.0722112	1.79769e+308	0.103036	1
Jmjd1c_j1	0.095835	0.158577	0.726556	0.138131	0.462105
Rtkn2_j6	0.106258	0.10477	-0.0203363	0.991537	1
Rhobtb1	0	0.382381	1.79769e+308	6.92E-05	0.0015708
Ank3_j12	0	0.0693837	1.79769e+308	0.115271	1
Zwint_j1	0.597281	2.3025	1.94672	3.44E-06	0.0001221
av_j1	0.0211278	0.183049	3.11502	0.0051784	0.0520709
Gnaz_j2	0	0.448537	0	1	1

Rab36_j4	0.427706	0.367891	0	1	1
Rab36_j6	1.73804	1.25493	0	1	1
Specc1l_j3	0.900963	0.634008	0	1	1
Adora2a_j4	0.122834	0.382801	1.63989	0.015108	0.115464
Upb1_j1	0.0418753	0.122708	1.55106	0.434544	1
Ggt1_j1	0.115282	0.133611	0.212876	0.837829	1
Ggt1_j3	0.218018	0.232105	0.0903308	0.920031	0.974931
Ggt5_j1	0	0.27005	1.79769e+308	0.0411141	0.227975
Lss_j4	0.564086	2.75716	0	1	1
Pofut2_j2	0.163834	0.251366	0.61756	0.453679	0.758165
C330046G03Rik	0.00425585	0.105247	4.62819	0.13543	1
Slc1a6_j2	2.55151	2.27181	-0.167509	0.474387	0.770681
Hcn2_j2	8.63261	6.95523	-0.3117	0.0541715	0.271297
Abca7_j5	5.33996	4.71147	0	1	1
Abca7_j4	9.0811	8.80245	0	1	1
Hmha1	0	0.073605	1.79769e+308	0.027443	1
Hmha1_j11	0.299241	0.624795	1.06208	0.0272331	0.174381
Gpx4_j3	0.0367287	0.367464	3.32262	1.12E-13	1.84E-11
Stk11_j1	9.26595	10.3638	0	1	1
Cirbp_j2	2.65603	2.00108	-0.40849	0.100548	0.392533
Ndufs7_j3	0.02474	0.0594582	1.26503	0.626974	1
Ndufs7_j2	0.820395	1.65823	1.01526	0.0275764	0.175817
Rps15_j4	0.268364	0.213554	-0.329589	0.725717	0.902548
Csnk1g2_j3	8.17361	10.1925	0	1	1
Csnk1g2_j2	2.01914	2.02064	0	1	1
Dot1l_j5	0.337019	0.245633	-0.456325	0.238101	0.585036
Tmprss9_j4	0.223221	0.199273	-0.163729	0.749074	0.912835
XLOC_002428	0	0.0591866	1.79769e+308	0.172787	1
Zfr2_j3	0.586952	0.983792	0	1	1
2210404O07Rik_j2	0	0.139416	1.79769e+308	0.0685777	1
Aes_j3	111.099	119.532	0	1	1
BC025920_j1	0.0271447	0.193759	2.83552	0.102317	0.396354
Ankrd24_j9	0.401089	0.886131	0	1	1
Ankrd24_j12	0	0.176406	0	1	1
Ankrd24_j11	0.152765	0.108742	0	1	1
XLOC_002446	0.123723	0.113166	-0.128677	0.878702	1
XLOC_002448	0.0234441	0.216942	3.21001	0.173492	0.511284
BC062115_j8	0	0.113861	1.79769e+308	0.0179843	1
Tdg_j6	0.471514	0.706724	0.583846	0.0983278	0.387686
D10Wsu102e_j1	0.21766	0.627621	1.52782	0.0006209	0.0097644
Tcp11l2_j1	3.52368	3.79421	0.106714	0.692771	0.8862
Polr3b_j1	3.47039	4.51387	0.379269	0.0527653	0.266888
Ric8b_j3	0.30447	0.34932	0	1	1
Btbd11_j1	0	0.166808	0	1	1
Nt5dc3_j2	1.90354	5.06013	0	1	1
Pmch_j2	0.0777612	0.189315	1.28367	0.24286	0.59027
Uhrf1bp1_j7	0.0290849	0.29075	3.32144	0.0009833	0.0141016

Ikbip_j2	0	0.0657149	1.79769e+308	0.184705	1
AK144329	0.150691	0.185271	0.298044	0.741752	0.909442
Lta4h_j2	1.78173	2.62896	0.561211	0.048761	0.254425
Ndufa12_j2	7.34737	6.89861	-0.0909215	0.632625	0.857248
XLOC_002519	0.109362	0.0303599	-1.84888	0.265829	1
Kitlg_j1	0.0968505	0.0742164	0	1	1
Slc6a15_j3	0.184057	0.384593	1.06318	0.159317	0.493926
Ppp1r12a_j3	9.98537	10.7128	0	1	1
Nap1l1_j3	1.01779	0.912833	0	1	1
Zfc3h1_j4	0.526968	0.707898	0	1	1
AK020834_j3	0.175051	0.15469	0	1	1
AK020834_j4	0.353669	0.283885	0	1	1
Ptprr_j2	4.67973	4.71359	0	1	1
AK016788_j1	0.01329	0.145719	0	1	1
XLOC_002559	0.100456	0.126541	0.333039	0.732979	1
XLOC_002559	0.0831288	0.201267	1.27569	0.147015	0.475412
Llph_j3	3.78637	4.34541	0.19868	0.25259	0.600518
Ppm1h_j6	0.940614	1.15575	0	1	1
Fam19a2_j2	1.90146	0.989997	-0.941615	0.00018	0.003516
Fam19a2_j4	0.0392356	0.0823735	1.07002	0.332114	1
Ctdsp2_j1	0.238266	0.463117	0.958803	0.212902	0.557744
Avil_j15	0.368714	0.85211	0	1	1
Arhgap9_j1	0.224528	0.345846	0.623231	0.155738	0.488998
Stac3_j14	0.0631647	0.13916	1.13955	0.438103	1
Myo1a_j10	0.328431	0.116418	0	1	1
Naca_j6	0.0883523	0.136788	0.6306	0.582174	1
XLOC_002597	0.150361	0.176717	0.233009	0.690892	0.885572
Ptges3_j2	0.996367	2.62533	1.39775	2.19E-08	1.42E-06
Baz2a_j5	0.046949	0.0532314	0.181183	0.76742	1
Baz2a_j7	0.131287	0.136165	0.0526403	0.892253	1
Gls2_j1	0.770043	0.62662	0	1	1
Pan2_j7	0.161423	0.188664	0.224974	0.687511	0.883849
Cnpy2_j3	0.0562085	0.13861	1.30217	0.482476	1
Ankrd52_j2	9.65188	10.6422	0	1	1
Rnf41	5.79631	5.54609	0	1	1
Rnf41_j3	15.1004	17.3169	0	1	1
Mmp19_j1	0.358695	0.569488	0.666907	0.0371625	0.213498
Dnajc14	6.29512	6.03022	0	1	1
XLOC_002619	0.264402	0.372666	0.495151	0.58299	0.832997
Akap12_j6	0	1.91175	0	1	1
Pcmt1_j1	0	0.668348	0	1	1
Tab2_j1	6.02362	7.85491	0	1	1
Ust_j1	0.0953138	0.07775	0	1	1
9130014G24Rik_j4	0.0675908	0.152446	1.1734	0.285128	1
9130014G24Rik_j5	0.0580583	0.0845067	0.541565	0.699413	1
9130014G24Rik_j10	0.00813085	0.187063	4.52398	0.0942226	0.378265
Utrn_j4	3.86772	6.30759	0	1	1

XLOC_002652	0.0725006	0.128539	0.826141	0.450245	1
Heca_j1	4.27169	7.05934	0	1	1
XLOC_002674	0.0330552	0.099885	1.59539	0.316713	1
Rps12_j7	0	0.0781786	1.79769e+308	0.107362	1
Arg1_j1	0	0.105084	1.79769e+308	0.0725189	1
Akap7_j7	5.35E-05	0.379851	12.7936	0.919589	0.974745
XLOC_002682	0.292998	0.253386	-0.209554	0.723488	0.901501
L3mbtl3	0.1791	0.152481	0	1	1
Lama2_j8	0.0717247	0.057846	-0.310253	0.623562	1
Cenpw_j1	0.470984	0.525692	0.158539	0.866993	0.95789
Nkain2_j1	0.764347	1.10029	0.525586	0.124851	0.440234
Nkain2_j4	0.206995	0.275327	0.411549	0.453585	0.758086
Rwdd1_j3	0	0.192083	0	1	1
1700025K23Rik_j1	0.44407	0.350967	-0.339452	0.716461	0.89763
Gm16365_j2	0.749334	1.05448	0	1	1
Gm16365_j1	0.0972249	0.0911498	-0.0930867	0.949759	1
AA474331_j3	0	0.112724	1.79769e+308	0.0101539	1
Rpf2_j8	0	0.158683	0	1	1
Cdc40_j1	2.7702	2.81339	0	1	1
Ccdc162_j8	0.0123014	0.33392	4.76261	0.005908	0.0578094
XLOC_002728	0.0516925	0.12195	1.23826	0.38615	1
Armc2_j1	0	0.056966	1.79769e+308	0.0547721	1
Sobp_j1	0.155952	0.182789	0.229079	0.805362	0.935633
Aim1_j2	0.721108	2.01283	1.48094	4.98E-11	5.40E-09
Lin28b_j13	0	0.36887	1.79769e+308	1.11E-07	5.88E-06
AK005653_j1	0.638664	1.0154	0	1	1
Mcm9_j6	0.0177271	0.111224	2.64944	0.0963348	1
Man1a_j1	0.853257	1.31133	0.619983	0.0236341	0.157956
Serinc1_j2	2.09062	1.52077	0	1	1
Serinc1_j3	3.15988	4.57457	0	1	1
Ddit4_j1	30.1521	33.9321	0.170388	0.0965187	0.383809
Cdh23_j1	0.09451	0.141528	0.582545	0.512625	1
X99384_j1	7.14E-05	0.056928	0	1	1
Col13a1_j10	0	0.195698	1.79769e+308	0.0171044	0.126323
Col13a1_j12	0.029984	0.090918	1.60037	0.211114	1
Hk1_j3	0	0.974859	0	1	1
Supv3l1_j2	0.94754	1.3112	0	1	1
Supv3l1_j5	4.01017	4.07001	0	1	1
Vps26a_j1	0.000458321	1.85463	0	1	1
Ddx21_j2	0.000169827	2.09864	0	1	1
Ddx50_j8	0	0.388183	0	1	1
Tet1_j2	0.0678023	0.0773605	0.190264	0.885988	1
XLOC_002796	0	0.117493	1.79769e+308	0.181068	1
Nrbf2	9.48	6.98511	0	1	1
Ube2d1_j2	4.31505	6.16343	0	1	1
Cisd1_j1	35.8694	33.0411	-0.118491	0.419944	0.73648
Susd2_j5	0.190518	0.879397	2.20659	5.87E-07	2.60E-05

Cabin1_j6	0.224244	0.0752855	0	1	1
Cabin1_j8	1.60691	2.02782	0	1	1
Smarcb1_j2	0.13898	0.0902862	-0.622297	0.660059	0.87104
Mmp11_j1	0.0764461	0.138624	0.858665	0.383124	1
Pcnt_j6	0.0663796	0.190175	0	1	1
Pcbp3_j1	15.652	9.91354	0	1	1
Pcbp3_j2	43.7914	40.5189	0	1	1
Pcbp3_j3	19.0989	15.0068	0	1	1
Col18a1_j5	0.196287	0.2378	0.276788	0.393703	0.719609
Gm10941_j1	0.276823	0.223449	-0.309017	0.711474	0.895181
Adarb1_j5	0	0.207948	0	1	1
Adarb1_j4	0	0.116805	0	1	1
1810008A18Rik_j1	1.66106	2.12499	0.355357	0.17265	0.51013
1810008A18Rik	0.833921	0.826647	-0.0126392	0.969951	0.99148
Trpm2_j1	0.0372098	0.17285	2.21577	0.0115562	0.0954083
XLOC_002841	0.0621322	0.149508	1.26681	0.290337	1
XLOC_002841	0.429623	0.501618	0.22352	0.597485	0.840295
Agpat3_j7	23.463	22.1732	-0.0815703	1	1
Rrp1_j1	0.156096	0.362174	0	1	1
Ccdc105_j2	0.107158	0.234453	1.12956	0.162949	0.498187
Mier2_j2	0.1829	0.252941	0	1	1
Mier2_j3	0.0699981	0.0943975	0	1	1
Mier2_j4	0.138045	0.51685	0	1	1
Dos	25.1737	24.8539	0	1	1
Pcsk4_j11	0.0761282	0.105142	0.465837	0.729528	1
Atp8b3_j8	0	0.0703864	1.79769e+308	0.10894	1
Rexo1_j2	0.798248	0.942669	0	1	1
Fam108a_j2	12.6814	13.8031	0.122273	0.516143	0.79474
Btbd2_j3	41.3644	38.7884	0	1	1
Mknk2_j2	0	0.0561654	0	1	1
Ap3d1_j3	0.257239	5.80365	0	1	1
Ap3d1_j4	0.979159	1.33941	0	1	1
Lmnb2_j1	0.939972	1.07682	0.196088	0.41071	0.730416
Atcay_j4	0.608928	0.475363	0	1	1
Fzr1_j1	0	0.0791496	1.79769e+308	0.0099554	1
Celf5_j6	0.117017	0.238428	0	1	1
Gna15_j1	0.0723766	0.118012	0.705332	0.48679	1
Tle6_j3	0.486184	0.669483	0.461544	0.504492	0.787732
Glt8d2_j1	0.282687	0.391278	0.46899	0.336043	0.676511
Slc41a2_j5	0	0.0714153	0	1	1
Aldh1l2_j3	0.409207	0.445723	0.123317	0.636221	0.859006
Appl2_j5	0.257259	0.731661	0	1	1
XLOC_002936	0.775789	0.895425	0.206909	0.473382	0.770096
Utp20_j4	3.60593	4.28716	0	1	1
Ano4_j1	3.07278	3.5505	0	1	1
Gas2l3_j1	0.172178	0.657199	0	1	1
Gas2l3_j2	0.198966	0.0678035	0	1	1

Slc17a8_j4	0.172312	0.204768	0.248965	0.752215	0.914378
Apaf1_j6	0.0905962	0.0693206	0	1	1
Slc25a3_j1	201.021	222.799	0	1	1
Slc25a3_j2	77.3593	72.7902	0	1	1
XLOC_002949	0.329079	0.343721	0.0628043	0.944802	0.983636
Rmst_j2	0.0356502	0.0822803	1.20664	0.301509	1
Nedd1_j2	0.31155	0.475726	0.610666	0.392071	0.718431
Elk3_j1	0.549448	1.64282	1.58012	0.0003131	0.0055334
Vezt_j2	0.853528	1.12445	0	1	1
4932415G12Rik_j1	0.0542295	0.0359951	-0.591279	0.523295	1
Socs2_j1	0.603329	0.582386	0	1	1
Socs2_j2	1.51046	1.34308	0	1	1
Gm10754_j4	0.103783	0.279689	1.43025	0.0013683	0.0183939
XLOC_002969	0.0431215	0.281669	2.70752	0.063373	0.298613
Tmtc3_j5	0.246758	0.155642	0	1	1
Tmtc3_j6	0.174068	0.161856	0	1	1
Nts_j1	0	0.302894	1.79769e+308	0.0135065	0.106792
Lrriq1_j8	0.107691	0.0402858	-1.41855	0.28345	1
Lrriq1_j9	0.142079	0.204049	0.522223	0.472627	0.769633
Tmtc2_j3	1.41718	2.20122	0.635282	0.0108355	0.0907771
BC067068_j2	0.0728039	0.207064	1.50799	0.066077	0.306888
XLOC_002980	0.314416	0.306159	-0.0383956	0.96624	0.990343
XLOC_002980	0.0720564	0.158104	1.13368	0.422536	0.738516
XLOC_002980	0	0.223936	1.79769e+308	0.0865425	0.359608
Ptprq_j4	0	0.16303	1.79769e+308	0.0072365	0.0675736
Syt1_j5	0	0.538856	0	1	1
Zdhhc17_j5	2.2442	3.21721	0	1	1
Zdhhc17_j6	0.826993	1.81778	0	1	1
Tmem19_j1	2.70806	2.89296	0	1	1
Gm239_j1	0.0321779	0.144102	2.16295	0.167373	1
Rab3ip_j3	2.20859	2.33076	0	1	1
Cpsf6_j5	3.41087	3.40782	-0.00129084	0.995303	0.998726
Mdm2_j1	0.694107	1.77454	0	1	1
Slc35e3_j1	0.0562385	0.238902	2.08679	0.122318	0.435482
Helb_j2	0.352707	0.909296	1.36628	0.0005238	0.0084664
Helb_j4	0.000554489	0.223538	8.65515	0.453361	0.758032
Rassf3_j2	8.14198	7.93387	0	1	1
Xpot_j3	0.0632851	0.217907	0	1	1
Mon2_j8	0.915828	1.39115	0.603133	0.0306034	0.188187
Usp15_j1	18.0824	17.9459	-0.0109285	0.912333	0.972389
Xrcc6bp1_j3	0.313568	0.633655	1.01492	0.120872	0.432992
Os9_j1	7.59943	8.14119	0.0993491	0.43831	0.748108
Slc26a10_j3	0.214073	0.253399	0.243309	0.683136	0.881372
Arhgef25_j1	0	0.474239	0	1	1
Arhgef25_j3	1.01074	0.76841	0	1	1
Arhgef25_j5	0.451686	0.595943	0	1	1
Dtx3_j2	1.78983	0.822898	0	1	1

Kif5a_j7	41.6031	38.4	0	1	1
Kif5a_j8	94.7655	82.2996	0	1	1
Mars_j1	1.89544	2.26324	0	1	1
Mars_j4	2.32632	3.22422	0	1	1
Mars_j3	4.23467	2.89357	0	1	1
Mars_j2	4.03941	4.86187	0	1	1
Lrp1_j5	2.45143	2.57782	0	1	1
Lrp1_j4	0.387635	0.595581	0	1	1
Zc3h10_j1	0.686794	1.33362	0	1	1
Rpl41_j3	294.779	394.398	0	1	1
Pa2g4_j2	2.6903	2.51521	-0.097086	0.665848	0.873354
Rps26_j3	0.523642	0.479561	-0.126866	0.786067	0.928363
Rab5b_j4	0.674044	0.628848	-0.100132	0.725356	0.902457
Cdk2_j5	0.180532	0.284516	0.656255	0.249558	0.596971
Pisd-ps1_j3	5.36587	4.88066	0	1	1
Eif4enif1	3.60053	3.05231	0	1	1
Eif4enif1_j4	4.91464	5.6658	0	1	1
Selm_j1	75.9714	70.8011	-0.101685	0.307269	0.652244
Selm	13.7146	14.7819	0.108116	0.455896	0.759632
Morc2a_j7	2.31077	2.62819	0.185693	0.256574	0.605481
Dusp18	1.46371	1.49369	0.0292518	0.875138	0.96023
Dusp18_j4	0.240799	0.179577	-0.42323	0.446069	0.75332
Rnf215	8.37317	8.14683	-0.0395343	0.714249	0.896527
Sf3a1	1.56194	1.37382	-0.185151	0.290271	0.637671
Tbc1d10a	7.38005	8.98831	0.284419	0.0087917	0.07785
Gatsl3_j2	0.3001	0 -1.79769e+308	0.0002829	0.0002829	0.0050904
Gatsl3	1.23071	1.72354	0.485891	0.0603669	0.28953
Ascc2	3.54083	4.06544	0	1	1
Ascc2_j2	0.356552	0.316394	0	1	1
Nipsnap1	45.4087	46.2238	0.0256647	0.777191	0.924662
Thoc5	1.62907	1.64663	0	1	1
Thoc5_j1	8.18096	8.05216	0	1	1
Rasl10a_j1	2.40083	2.32211	0	1	1
XLOC_003913	0.183353	0.151896	-0.271538	0.361583	0.696104
Xbp1	27.6441	33.7671	0.288648	0.0024376	0.0292499
Xbp1_j1	1.34147	3.10694	1.21169	0.0028612	0.0331723
Dbnl_j4	10.4241	11.4706	0	1	1
Dbnl_j3	5.7438	5.48549	0	1	1
Aebp1	0.512328	0.612313	0.257201	0.440695	0.749739
Ykt6	36.2423	38.1656	0.0745984	0.406611	0.727764
Ogdh	2.52633	1.38781	0	1	1
Zmiz2_j2	21.191	23.0025	0	1	1
Ccm2	5.66239	6.40141	0	1	1
Ramp3	0.56484	1.00594	0.832631	0.0300872	0.186072
Adcy1	1.19816	0.74788	-0.679947	0.0001095	0.0023259
Gm11992_j1	0.295915	0.281466	-0.0722218	0.895505	0.96693
Gm11992	0.579519	0.323884	-0.839378	0.0475577	0.250399

Upp1	0.636844	0.796713	0.32312	0.418677	0.735429
Upp1	0.192538	0.436291	1.18015	0.133577	0.454829
Upp1	0.357122	0.455736	0.351782	0.544203	0.811335
Vwc2	0.32422	0.226507	-0.517416	0.165807	0.502443
4930415F15Rik_j3	0.0569178	0.010465	-2.4433	0.516459	1
AK040873	0.590607	0.445523	0	1	1
AK040873_j1	0.197189	0.104547	0	1	1
Gm12005	5.38301	5.47961	0.0256593	0.918804	0.974658
Vstm2a_j1	3.99948	2.9651	-0.431732	0.0017003	0.0219484
Vstm2a	1.21806	1.11971	-0.121466	0.583272	0.833121
Cnrip1_j1	0.350086	0.282818	0	1	1
Ppp3r1	54.0376	44.513	0	1	1
Wdr92	2.90141	3.08628	0.0891143	0.567072	0.82484
C1d	48.7097	46.1467	-0.0779808	0.438431	0.748143
Glns-ps1	6.27552	6.5061	0.0520591	0.784998	0.927763
Spred2	6.2896	3.72156	0	1	1
Spred2_j2	0.0689376	0.285511	0	1	1
Spred2_j4	14.1882	14.7362	0	1	1
Rab1	127.729	135.607	0.0863466	0.31597	0.659904
XLOC_003953	0.168188	0.0399588	-2.07349	0.289685	0.637033
Sertad2	2.82643	2.40959	0	1	1
Sertad2	5.0885	5.45836	0	1	1
Peli1	3.56579	3.83352	0	1	1
Vps54	1.29854	1.20102	0	1	1
Vps54	3.10112	3.31951	0	1	1
Tmem17	1.6495	1.82966	0.149548	0.591425	0.837047
Cct4_j1	0.335147	0.143967	0	1	1
Fam161a_j3	0.449198	0.394759	-0.18638	0.66787	0.87439
Gm12059_j2	0.32046	0.260355	-0.299665	0.583833	0.83315
Gm12059	0.416904	0.560538	0.427099	0.263748	0.612591
Xpo1_j1	0.280096	0	0	1	1
Xpo1_j3	5.64554	4.58464	0	1	1
Xpo1_j9	8.11732	9.3188	0	1	1
Usp34_j10	1.50766	1.61452	0.0987874	0.444076	0.752021
Bcl11a	0.525217	0.601743	0.196234	0.477897	0.77269
Bcl11a	0.187826	0.396851	1.0792	0.176509	0.515252
Fancl	0.605569	0.678082	0.163167	0.595921	0.839145
Fancl_j1	0.885077	0.403198	-1.13431	0.0358751	0.208963
Gm12079	1.87678	1.64219	-0.192635	0.708918	0.893983
Efemp1	6.29472	7.47302	0.247549	0.0858281	0.357676
Pnpt1_j2	4.76268	3.72408	0	1	1
Pnpt1_j5	11.4341	11.1982	0	1	1
Smek2	0.875109	0.772181	-0.180524	0.290003	0.63736
Ccdc88a_j2	2.24868	2.28596	0.0237226	0.835157	0.946964
Mtif2	2.00906	1.98344	0	1	1
Rtn4_j2	0.755017	0 -1.79769e+308		8.67E-17	2.20E-14
Rtn4_j3	0.356001	0.273312	-0.381331	0.423247	0.738696

Rtn4	50.6092	68.1022	0.428302	0.0002734	0.0049558
Gm8098	0.422302	0.160246	-1.39799	0.146872	0.475297
Gm8098_j2	0.41367	0.544642	0.396828	0.423651	0.739059
Gm8098_j3	0.372059	0.309948	-0.263507	0.702436	0.890916
Psme4	10.6411	9.39964	0	1	1
Psme4_j2	16.9506	19.5819	0	1	1
Gpr75	0.524186	0.407099	-0.364702	0.240749	0.588146
Gpr75_j1	2.75615	2.52535	-0.126173	0.462846	0.763401
Asb3	0.617531	0.0702115	-3.13673	9.51E-07	3.96E-05
Cpeb4	4.28154	3.93674	0	1	1
Cpeb4	1.24556	1.45841	0	1	1
Cpeb4	5.7803	4.82872	0	1	1
Cpeb4_j1	2.44736	2.45893	0	1	1
Nsg2	65.272	66.0541	0.0171846	0.844455	0.950838
Nsg2_j1	13.1174	12.7105	-0.0454567	0.737033	0.907482
Snrnp25	20.4394	18.703	0	1	1
Mpg	1.06309	1.07791	0.0199668	0.895686	0.96693
Hba-a2_j3	87.5246	114.472	0	1	1
Sh3pxd2b	2.60948	2.28775	0	1	1
Sh3pxd2b_j1	1.19244	1.75308	0	1	1
Ubttd2	1.26564	1.2707	0.00575097	0.978489	0.993756
Fbxw11_j1	0.567978	0.377833	0	1	1
Kcnmb1_j1	4.00949	3.54913	-0.175954	0.430003	0.743005
Lcp2	0.314577	0.336016	0.0951131	0.773853	0.923273
Lcp2_j2	0.544706	0.0921012	-2.56419	1.58E-05	0.0004574
Lcp2_j3	0.335774	0.0145777	-4.52565	0.0011813	0.0163484
Fam196b	1.4948	0.663801	-1.17113	1.12E-07	5.92E-06
Fam196b_j3	0.207085	0.0840652	-1.30065	0.0353322	0.20706
Fam196b_j2	0.486063	0.298297	-0.704393	0.118845	0.428914
Pank3	7.95243	6.69939	0	1	1
Nudcd2	2.72409	3.60198	0.403013	0.0433044	0.236191
Nudcd2_j1	3.96284	3.17158	-0.321335	0.178288	0.517838
Gm12141	59.3912	59.9486	0.0134766	0.877346	0.96086
XLOC_004009	0.332521	0.116018	-1.5191	0.356123	0.692037
Slu7	10.2073	9.52819	0	1	1
Slu7	4.99812	5.25768	0	1	1
C1qtnf2	0.457974	0.766093	0.742253	0.0679337	0.312003
Ccnjl	0.754745	0.764408	0.018352	0.938622	0.981258
Pwwp2a_j2	0.118264	0.176283	0.575883	0.328823	0.67119
Pwwp2a	1.52562	1.6081	0.0759627	0.719733	0.899338
Rnf145	12.0748	10.5685	0	1	1
Rnf145_j3	0.104066	0	0	1	1
Ebf1	8.66895	8.50156	0	1	1
Ebf4_j6	3.04594	2.00176	0	1	1
Clint1_j1	5.69819	4.14347	-0.459662	0.0124872	0.101118
Clint1	9.86912	10.1327	0.0380188	0.77289	0.922948
Adam19	7.21828	7.74171	0.100998	0.339893	0.68005

Adam19_j3	0.130327		0 -1.79769e+308	3.41E-06	1
Med7	0.393787	0.393166	-0.00227612	0.996313	0.999036
Med7	13.2179	14.0438	0.0874364	0.556895	0.819299
Med7	3.53084	3.1367	-0.170766	0.339704	0.679924
Gm12174	113.093	125.599	0.151321	0.0899186	0.368051
Gnb2l1_j1	36.9494	41.3386	0.161939	0.141935	0.46851
Gnb2l1	20.4532	24.3172	0.249651	0.004922	0.0500932
Ifi47	2.02864	1.02108	-0.99042	0.0014428	0.0191305
Zfp62	0.128993	0.0758734	0	1	1
Zfp62	0.130447	0.107954	0	1	1
Mgat1	3.26343	2.77108	0	1	1
Mgat1	4.51544	4.84367	0	1	1
Mgat1	3.15904	4.7185	0	1	1
Mgat1_j2	1.45159	0.879753	0	1	1
Flt4_j1	0.178007	0.0168197	-3.40371	0.239095	0.586207
Gfpt2	0.265965	0.269634	0.0197681	0.965474	0.990079
Gfpt2_j4	0.334858	0.0124838	-4.74542	0.0780369	0.338405
Mapk9	0.0710828	0.10075	0	1	1
Mapk9	22.2782	17.1761	0	1	1
Rasgef1c	2.84966	3.85031	0.434183	0.0063801	0.0614449
Rnf130	13.0666	13.1038	0.00410622	0.97534	0.992893
Rnf130	10.088	9.28565	-0.119562	0.200468	0.543824
Tbc1d9b_j1	55.0903	61.9792	0.169985	0.0481901	0.252609
Hnrnph1_j9	2.16046	3.06482	0.504466	0.0719166	0.322442
Adamts2_j2	0.540772	0.125122	-2.11168	3.18E-05	0.0008118
Adamts2	0.0715619		0 -1.79769e+308	0.0002675	1
Zfp354a	0.262888	0.0531777	-2.30556	0.0086916	0.0771917
Zfp354a	0.538549	0.503605	-0.0967861	0.763403	0.918561
Clk4	4.36772	5.9858	0	1	1
Clk4_j3	4.4774	4.19569	0	1	1
Col23a1_j3	0.106172	0.0109289	-3.28018	0.0478268	1
Agxt2l2_j1	0.157255	0.193825	0.301649	0.600059	0.841543
Nhp2	5.43651	6.14928	0.177738	0.159836	0.494363
D930048N14Rik_j1	0.0540096	0.0358497	-0.591254	0.671442	1
Sar1b	22.5049	22.6428	0.00881311	0.936644	0.980567
Cdkn2aipnl	16.519	15.7591	-0.0679347	0.543178	0.810724
Cdkl3_j6	1.14692	0.690015	-0.733062	0.0348551	0.205078
Ppp2ca	8.96544	9.56784	0	1	1
Ppp2ca_j4	124.05	137.462	0	1	1
Skp1a_j1	169.169	165.577	0	1	1
Vdac1	63.4151	56.2746	0	1	1
Vdac1_j2	0.295492	0.282864	0	1	1
9530068E07Rik	55.7017	51.6022	0	1	1
Fstl4	0.302883	0.278108	-0.123118	0.641708	0.861896
Zcchc10	5.72252	4.82747	-0.245384	0.170763	0.507662
Aff4_j1	0.0897653	0.0711554	0	1	1
Aff4	1.56494	1.35996	0	1	1

Shroom1_j2	0.0155781	0.0784169	2.33164	0.195872	1
Shroom1_j5	0.0810137	0	-1.79769e+308	0.0446225	1
Kif3a	36.687	29.6953	0	1	1
IIS	0.196201	0.0802193	-1.29031	0.167663	0.50417
Irf1	3.14952	2.85188	-0.143221	0.472163	0.769302
Irf1	0.85632	0.287806	-1.57305	0.0057178	0.0563097
P4ha2	1.95601	1.75446	0	1	1
P4ha2	3.32903	4.52357	0	1	1
P4ha2_j2	2.14521	2.72435	0	1	1
Acsl6	26.6397	18.0306	0	1	1
Fnip1	0.850927	0.833465	-0.0299137	0.896376	0.967019
Fnip1_j3	0.231751	0	-1.79769e+308	8.14E-10	6.96E-08
Hint1	215.666	235.81	0.12882	0.134867	0.457099
Gpx3	4.10737	4.41515	0.104245	0.340454	0.680526
Gm2a	8.8522	9.21449	0.0578688	0.577564	0.829807
Slc36a1	11.4625	0	0	1	1
G3bp1_j1	1.59676	1.04004	0	1	1
G3bp1_j4	5.07844	4.79025	0	1	1
Gria1	1.76733	1.57987	0	1	1
Mfap3	3.40019	3.56777	0	1	1
Galnt10	3.91648	3.50162	0	1	1
Sap30l	39.9657	34.9472	0	1	1
Larp1	26.485	24.964	0	1	1
Larp1_j4	1.49228	1.76739	0	1	1
Cnot8	10.5507	10.9227	0	1	1
Cnot8	1.91426	0.972633	0	1	1
Mrpl22	7.27008	7.24959	-0.0040724	0.983348	0.99507
Igtp	2.33601	2.20673	0	1	1
Irgm2	3.50084	2.36503	0	1	1
Zfp692-ps_j4	0.356171	0.421635	0.243425	0.497529	0.783786
Zfp692-ps_j9	2.47468	2.53956	0.0373391	0.817809	0.940908
Sh3bp5l	3.44009	3.45936	0	1	1
Sh3bp5l	4.91862	3.29328	0	1	1
Gm12258	4.02513	4.22094	0.0685307	0.587533	0.835056
2810021J22Rik_j1	0.989832	0.894107	-0.146735	0.497134	0.783698
2810021J22Rik	0.66265	0.572445	-0.21111	0.428938	0.742566
Wnt9a	3.54664	4.16102	0.230484	0.0937778	0.377256
Mprip_j3	0.264575	0	-1.79769e+308	1	1
Mprip_j2	0.375632	0.602852	0.682482	0.593503	0.838056
Mprip_j8	3.53655	2.91439	0	1	1
Mprip_j7	2.67957	2.41942	0	1	1
XLOC_004102	0.0734044	0.0306905	-1.25808	0.304373	1
Med9	7.67535	7.45721	0	1	1
4933439F18Rik	2.73151	2.43142	-0.167898	0.255073	0.603489
Drg2_j1	0.12471	0.18501	0.56903	0.487391	0.778308
Drg2_j3	0.259907	0.0640266	-2.02125	0.266973	0.61606
Drg2_j2	0.208558	0.152031	-0.456086	0.732746	0.905691

Myo15_j2	0.0546918	0	-1.79769e+308	0.0176325	1
Alkbh5_j1	0.959981	0.627619	0	1	1
Alkbh5	2.8459	2.76661	0	1	1
Llg1	4.36484	4.26871	-0.0321273	0.821134	0.94217
Llg1_j6	2.33054	1.95031	-0.25696	0.420955	0.737152
Smcr7_j1	0.0759822	0.0686355	0	1	1
Smcr8	0.710702	0.472183	-0.589898	0.0718337	0.322325
Smcr8_j1	0.450836	0.492023	0.126124	0.561365	0.821772
Dhrs7b	2.92235	3.04325	0.0584814	0.651093	0.866086
Map2k3	2.37176	2.24826	-0.0771501	0.71097	0.894923
Map2k3_j1	6.27023	7.77133	0.309643	0.0352637	0.206779
Kcnj12_j1	3.2384	2.54022	0	1	1
Kcnj12	3.30868	2.38711	0	1	1
B9d1	0.449277	0.474587	0.0790685	0.753268	0.914707
B9d1_j2	0.269424	0.117747	-1.19418	0.116482	0.424494
Grap	0.499915	0.61706	0.303728	0.477576	0.77269
Specc1_j1	0.0679983	0.0492829	0	1	1
Adora2b	1.68372	1.87195	0.152896	0.420547	0.736789
Ttc19	2.70722	3.02182	0	1	1
XLOC_004129	1.63405	1.48582	-0.137199	0.817411	0.940822
XLOC_004129	1.63405	1.48582	-0.137199	0.817411	0.940822
Ubb_j1	259.876	302.497	0.219096	0.0153294	0.116863
Trpv2_j1	3.80111	3.86104	0	1	1
Trpv2_j3	0.165074	0.10924	0	1	1
2410006H16Rik	4.24021	5.29065	0.319309	0.0309784	0.189775
Mmgt2_j2	0.40424	0.4642	0.199535	0.742418	0.909901
Mmgt2_j1	1.13693	0.425317	-1.41853	0.0027656	0.0322868
Trim16	6.62539	6.10748	-0.117429	0.300797	0.647316
Fbxw10_j4	0.0876002	0.000282896	-8.27452	0.89577	1
Fam18b	9.14501	8.5789	-0.0921931	0.494278	0.782488
Cdrt4_j2	0.259529	0.111833	-1.21455	0.174215	0.512178
Pmp22_j3	64.3029	66.513	0	1	1
Pmp22_j1	0.382121	0.0219963	0	1	1
Pmp22	97.6058	100.915	0	1	1
Pmp22_j5	70.588	121.013	0	1	1
Zkscan6	1.50897	1.14973	0	1	1
Zkscan6	0.935478	1.37824	0	1	1
Pirt	65.5941	51.5362	0	1	1
Pirt_j1	0.360259	0.0379854	0	1	1
9130409J20Rik_j1	0.752932	0.217826	-1.78934	0.0001707	0.0033612
9130409J20Rik	0.742336	0.572201	-0.37555	0.35201	0.689134
Tmem220	0.0643793	0	-1.79769e+308	0.0310409	1
Tmem220_j5	0.0505215	0	-1.79769e+308	0.0533456	1
Sco1	0.8054	0.656979	0	1	1
Sco1_j3	0.0730018	0	0	1	1
Gas7	2.75905	3.42665	0	1	1
Gas7_j4	0.206362	0	0	1	1

Stx8	3.1271	2.77118	-0.174324	0.555866	0.818579
Stx8	4.21203	4.35904	0.049495	0.677348	0.878715
Pik3r5_j4	0.246743	0.498702	1.01517	0.0049678	0.0504971
Pik3r6_j2	0.0867958	0 -1.79769e+308		0.0040953	1
Myh10	7.32311	4.94827	0	1	1
Myh10_j6	0.360588	0.058993	0	1	1
Rpl26	0.810565	0.962106	0.247267	0.394521	0.719811
Rpl26_j1	1.36297	1.43046	0.0697345	0.7495	0.913025
Slc25a35	0.893798	0.690222	0	1	1
1500010J02Rik	1.45327	0.658935	0	1	1
1500010J02Rik_j7	2.62865	1.42855	0	1	1
1500010J02Rik_j10	1.98163	2.77172	0	1	1
Tmem107	1.14502	1.18515	0.0497009	0.852446	0.953251
Tmem107_j2	0.128304	0 -1.79769e+308		0.106441	1
Vamp2	4.09752	3.86569	0	1	1
Vamp2_j3	77.483	80.4558	0	1	1
Per1_j2	0.417669	0.428884	0.0382262	0.91156	0.972265
Per1	1.48013	1.88165	0.346275	0.0564076	0.277929
Aloxe3_j2	0.0796325	0.0537416	-0.567318	0.661884	1
Alox12b	0.0854327	0.0939632	0.137308	0.883949	1
Trappc1	24.848	25.8684	0.058059	0.558958	0.820307
Kcnab3	1.01041	0.626698	-0.689092	0.0141886	0.1105
A030009H04Rik	3.61285	3.17959	-0.184294	0.295976	0.64269
XLOC_004173	0.112308	0.0628392	0	1	1
Lsm1_j2	1.02616	1.10573	0	1	1
Lsm1_j1	0.248669	0.0503795	0	1	1
Lsm1	43.7535	45.8862	0	1	1
Trp53_j1	0.0516547	0.0441673	-0.22592	0.868317	1
Trp53	1.01827	0.868697	-0.2292	0.470224	0.768035
Sat2	1.71597	1.49285	-0.200956	0.422894	0.738582
Sat2	0.897455	0.276428	-1.69894	0.0008635	0.0127085
Fxr2	29.5348	25.1217	0	1	1
Fxr2_j1	43.6527	45.1146	0	1	1
Zbtb4	0.541769	0.553993	0	1	1
Plscr3_j2	1.37216	1.2496	0	1	1
Plscr3	9.81977	12.8226	0	1	1
Neur14_j1	10.2928	10.5047	0.0294012	0.77135	0.922315
Gps2_j1	2.95094	4.63725	0	1	1
Gps2	0.533936	0.000778812	0	1	1
Ybx2_j1	0.246774	0.0574117	-2.10377	0.0276605	0.176169
Ybx2_j6	0.39181	0.160569	-1.28696	0.0088385	0.0782083
Ctdnep1_j1	22.9117	25.6163	0.160978	0.0712949	0.321059
Phf23_j1	16.5536	18.7326	0.178406	0.105182	0.402659
Gabarap_j3	94.6502	106.034	0.163856	0.115749	0.423327
Dvl2	1.98333	2.09385	0.0782303	0.536697	0.807058
Dlg4	8.62207	6.73093	0	1	1
Dlg4_j1	7.58758	4.03676	0	1	1

Dlg4_j2	31.621	29.5049	0	1	1
Clec10a_j1	0.259022	0.388437	0.584608	0.311529	0.656199
Clec10a_j3	0.250765	0.256519	0.0327322	0.968925	0.991253
Clec10a	0.34083	0.407911	0.259204	0.631654	0.856763
Gm12312	7.095	9.05773	0.352347	0.0462672	0.246534
Arrb2	8.02254	7.61991	0	1	1
Arrb2	2.84226	3.53643	0	1	1
Med11	2.81667	3.09299	0.135009	0.417578	0.734655
Psm6	127.822	135.375	0.0828213	0.358513	0.693887
Pld2_j3	0.845666	0.64199	-0.397537	0.179457	0.519116
Pld2_j8	0.208467	0.399465	0.93825	0.0378669	0.216037
Pld2_j12	0.312073	0.431359	0.467005	0.451071	0.756364
Mink1	36.7004	37.1521	0.0176475	0.838745	0.948621
Mink1_j1	0.291102	0.166191	-0.80868	0.107426	0.407525
XLOC_004200	0.0952555	0.111603	0.228501	0.757688	1
Rnf167	15.9779	16.0037	0.00232355	0.980339	0.994006
Kif1c_j1	0.466009	0.64842	0	1	1
Kif1c_j4	0.832424	0.724001	0	1	1
Zfp3_j1	0.772167	0.634613	0	1	1
Zfp3	0.757138	0.553017	0	1	1
Rabep1_j2	3.2541	2.93078	0	1	1
Rabep1	8.19023	6.78884	0	1	1
Rpain	0.0421293	0.0965591	0	1	1
Mis12_j1	7.38854	6.14419	0	1	1
Wscd1	0.383599	0.486919	0.344083	0.267816	0.616458
Wscd1_j2	0.207405	0.242391	0.224885	0.785981	0.928311
Fam64a	0.180749	0.489753	1.43807	0.0104192	0.0881303
Txndc17	11.3674	13.0499	0.19914	0.076742	0.334846
Txndc17_j2	64.6433	80.3127	0.313126	0.0153432	0.116931
Xaf1_j1	1.89562	2.96362	0.644689	0.0270146	0.173484
Xaf1	1.81912	2.47173	0.442279	0.0987256	0.388529
Xaf1_j2	2.12098	2.50532	0.240268	0.409725	0.729962
Mybbp1a	2.26766	1.76779	0	1	1
Ube2g1	7.4567	7.848	0	1	1
Ankfy1	1.71319	1.36433	-0.328489	0.0492907	0.256065
Zzef1_j1	4.5612	4.52529	-0.0114038	0.909746	0.971495
Atp2a3_j7	0.550789	0.590644	0.100788	0.808503	0.937072
Camkk1_j1	0.91983	0.541361	0	1	1
Camkk1	5.06175	3.80243	0	1	1
1200014J11Rik_j1	2.12967	1.64741	-0.370436	0.155081	0.488311
1200014J11Rik	1.61736	1.77566	0.134712	0.268686	0.617595
Itgae_j3	0.166114	0.106689	-0.638764	0.523819	0.799611
Shpk	0.391081	0.352584	0	1	1
Shpk_j2	1.13079	0.994569	0	1	1
Shpk_j3	1.96058	2.34964	0	1	1
Trpv1	34.3728	38.1072	0.148796	0.0902699	0.3689
Trpv1_j2	0.0844644	0 -1.79769e+308	0.0078104	0.0078104	1

XLOC_004224	0.20737	0.233796	0.173041	0.643046	0.862213
Mett10d	1.48771	1.42655	-0.0605607	0.643832	0.862757
Mnt	1.37053	1.00486	0	1	1
Rtn4rl1	16.814	11.8148	0	1	1
Rtn4rl1_j1	6.08657	1.98919	0	1	1
XLOC_004233	0.0766686	0.0724108	0	1	1
2210403K04Rik	11.5417	11.5692	0.0034306	0.979617	0.994006
Tlcd2_j1	0.582083	0.626873	0.106948	0.742947	0.909993
Prpf8	7.67067	3.30019	0	1	1
Rilp_j2	0.316534	0.0895426	-1.82171	0.0605055	0.290023
Rilp	0.699372	0.76679	0.132772	0.706119	0.89266
Slc43a2_j1	5.21412	4.54943	-0.196738	0.0590644	0.28563
Slc43a2_j2	1.18093	0.978906	-0.270675	0.410734	0.730416
Pitpna_j1	1.66742	1.14269	0	1	1
Pitpna_j2	6.58995	5.29043	0	1	1
Myo1c	2.71971	2.89766	0	1	1
Crk	7.54263	7.43641	0	1	1
Ywhae	22.6226	21.4238	-0.078547	0.441005	0.749878
Ywhae_j4	263.01	259.471	-0.0195425	0.820398	0.941839
Fam57a	3.36956	3.65769	0.118372	0.293298	0.640282
Timm22	12.7979	12.3413	-0.0524165	0.619659	0.850766
Tusc5_j2	12.4375	6.83085	0	1	1
Blmh	22.3906	24.7182	0.142677	0.138177	0.462226
Slc6a4	2.2279	8.1251	1.8667	0	0
Gm12345	8.72299	9.50032	0.123153	0.413101	0.731973
Ssh2_j1	0.379142	0.2455	0	1	1
Ssh2_j3	0.34538	0	0	1	1
Git1	0.982278	1.06785	0.120511	0.501595	0.785697
Gm12734	7.87211	8.05417	0.0329851	0.835188	0.946964
Nufip2_j1	7.7825	8.24494	0.0832753	0.376095	0.708143
Myo18a_j1	5.45256	4.89994	0	1	1
Myo18a_j3	0.614414	0.440992	0	1	1
Sez6	8.94766	7.77378	0	1	1
Sez6_j4	0.648925	0	0	1	1
Phf12	1.34077	1.23527	0	1	1
Phf12_j3	4.46237	4.38671	0	1	1
Flot2_j4	0.171203	0.218513	0	1	1
Flot2_j3	1.4188	2.03557	0	1	1
Flot2_j12	0.0387985	0.0472815	0	1	1
BC017647	0.997304	1.21685	0.287048	0.112219	0.416855
Tlcd1	1.64169	1.69255	0	1	1
Tlcd1	0.868953	0.953141	0	1	1
Rab34	0.322506	0.277641	-0.216106	0.620196	0.850928
Rab34_j2	0.35646	0.208448	-0.774048	0.350362	0.687781
Sdf2	15.9952	17.0338	0	1	1
2610507B11Rik	12.181	11.3328	0	1	1
2610507B11Rik_j5	27.4311	32.8427	0	1	1

Spag5_j1	0.0399703	0.0483127	0.273474	0.804719	1
Spag5	0.401562	0.261135	-0.620824	0.0786874	0.340223
Aldoc	89.8486	68.4224	-0.393028	9.07E-06	0.0002851
Pigs_j2	23.1557	23.1648	0.00056608	0.996387	0.999052
Unc119	18.9904	13.2066	-0.524019	9.64E-05	0.0020871
Slc46a1	2.23425	1.93562	0	1	1
Vtn_j1	0.850259	0.00163186	-9.02524	0.295899	0.642638
Ift20	2.73197	2.72034	0	1	1
XLOC_004280	0.0912984	0.0877933	-0.0564778	0.969848	1
1810012P15Rik	0.451809	0.284087	0	1	1
Nf1_j3	3.66371	2.92229	-0.326205	0.0037542	0.0410081
Nf1_j5	8.89424	7.93681	-0.164314	0.106053	0.404324
Rab11fip4	0.144819	0.0860276	0	1	1
Gm11204	4.50365	4.14344	-0.120264	0.79284	0.931005
Suz12	4.81322	3.67015	0	1	1
Atad5_j3	0.0629391	0 -1.79769e+308		0.002626	1
Adap2	0.242841	0.561337	1.20886	0.0019929	0.0248871
Rnf135	0.867663	0.673357	-0.365763	0.342012	0.681849
Rnf135_j1	0.811966	0.887779	0.128781	0.725449	0.902457
Rnf135	1.34885	1.30106	-0.0520472	0.847718	0.951788
Rhot1	8.83791	9.14847	0.0498254	0.696994	0.8885
Rhot1	8.67774	6.54382	-0.407185	0.0019123	0.0241088
Rhbdl3	3.57408	1.90937	-0.904476	7.63E-08	4.26E-06
Psmd11_j5	0.765095	0.452856	-0.756587	0.11347	0.419202
Cdk5r1	2.28032	2.47518	0	1	1
Gm11419_j3	0.125256	0.114176	-0.133628	0.760224	1
Gm11419_j2	0.187211	0.0968707	-0.950529	0.034793	0.204886
Ccl2	2.30454	4.69853	1.02773	4.11E-06	0.0001426
Ccl7	1.10637	3.65059	1.72229	8.40E-12	1.04E-09
Ccl11	2.38528	3.47357	0.542256	0.0145181	0.11232
Ccl12	1.20867	3.18284	1.39689	7.92E-06	0.000253
Ccl8	1.60233	6.70307	2.06465	6.66E-16	1.51E-13
Tmem132e_j1	4.5434	3.35143	0	1	1
XLOC_004309	0.157147	0.0406179	-1.95192	0.0935518	0.37672
Lig3	0.439365	0.378879	-0.21368	0.415465	0.733308
Lig3_j1	0.379125	0.260108	-0.543562	0.0597366	0.287639
Unc45b_j2	0.0512227	0 -1.79769e+308		0.027309	1
Unc45b_j5	0.416395	0.615438	0.56366	0.0963723	0.383357
Unc45b_j7	0.324026	0.491516	0.60113	0.254748	0.603042
Slfn5_j2	0.251114	0.130998	-0.938795	0.0669934	0.309452
Slfn2	1.02811	1.56374	0.605013	0.0076285	0.0702299
Ap2b1	26.3689	21.7333	-0.278929	0.0021313	0.0262661
Rasl10b	3.23171	6.77746	0	1	1
Rasl10b_j7	0.733659	0	0	1	1
Taf15_j2	9.35336	10.3533	0.14654	0.283808	0.632215
Gm11428	0.739758	2.22897	1.59125	0.0002017	0.0038643
Heatr6	3.64032	3.12316	0	1	1

Hnf1b_j1	0.130704	0.00848888	-3.94459	0.0756353	1
Ddx52	5.04832	4.13467	0	1	1
Synrg	5.59084	6.87146	0	1	1
Acaca_j2	0.273342	0.343633	0.330162	1	1
Acaca_j3	0.540429	0.663774	0.296586	0.541954	0.809865
Acaca_j10	0.853807	0.555823	-0.619283	1	1
Acaca_j7	0	0.352874	1.79769e+308	0.0091555	0.0802424
Acaca_j12	1.14112	0.950169	-0.264194	0.460721	0.762129
Myo19_j4	0.6481	0.447285	-0.535022	0.196464	0.539231
Car4	1.89402	2.50543	0.403605	0.0540291	0.270863
Ppm1d	2.05299	1.94811	-0.0756474	0.686146	0.883052
Bcas3_j1	0.241765	0.158732	0	1	1
Tbx2	9.75755	9.52057	-0.0354698	0.729724	0.904457
4632419I22Rik	2.4053	2.55154	0.0851559	0.546456	0.81297
Rnft1	0.691156	0.660994	0	1	1
Tubd1	0.0790853	0	-1.79769e+308	0.0096082	1
Tubd1	0.563143	0.346719	-0.699736	0.124455	0.439692
Tubd1_j6	0.350591	0.346942	-0.0150943	0.973464	0.992363
1110001A07Rik_j2	0.662283	0.0012743	-9.0216	0.165248	0.501638
Fam33a	1.05087	2.25525	1.1017	1.75E-07	8.74E-06
1110001A07Rik_j3	0.896484	0.306233	-1.54965	0.0006741	0.0104123
Trim37	25.6729	20.5185	-0.323321	0.0002951	0.0052727
Tex14_j5	0.0758952	0	-1.79769e+308	0.0306271	1
Tex14_j4	0.137671	0.0626467	-1.13591	0.389519	0.716664
Sept4_j1	1.48896	0.827792	-0.846965	0.038561	0.218671
Sept4_j3	18.2922	10.9615	-0.738779	2.84E-09	2.19E-07
Mttr4	3.30375	2.37109	0	1	1
Mttr4_j4	0.366146	0	0	1	1
Mttr4_j3	6.68934	7.07777	0	1	1
Bzrap1	0.149693	0.0933307	-0.681586	0.201744	0.545317
Bzrap1_j6	3.0928	2.26046	-0.452299	0.001304	0.0176801
Bzrap1_j12	0.0492732	0	-1.79769e+308	0.009564	1
Mks1	0.413705	0.397445	-0.0578483	0.888275	0.964649
Mks1_j7	0.236095	0.427727	0.857325	0.103628	0.399152
Mks1_j8	0.684774	0.229865	-1.57484	0.05536	0.274792
Srsf1	21.6093	20.6547	-0.0651838	0.459402	0.761406
Vezf1_j2	0.170472	0	-1.79769e+308	0.0252721	0.165544
Vezf1_j1	0.139145	0.096793	-0.523617	0.674829	0.877505
Vezf1	7.02031	6.66309	-0.0753444	0.491457	0.780555
Vezf1_j4	0.0807581	0	-1.79769e+308	0.0583614	1
Cuedc1	5.08234	4.93528	-0.042361	0.771136	0.922274
Mrps23	23.8751	22.6715	-0.0746269	0.608274	0.845626
AK021127_j3	0.175126	0	-1.79769e+308	0.056531	0.278163
AK021127	0.553423	0.52391	-0.0790653	0.79715	0.932581
Coil	5.21354	7.51205	0.526943	6.69E-05	0.001528
Trim25	3.80455	4.50353	0.243328	0.0473149	0.249768
Trim25	1.76081	1.08575	-0.697548	0.000916	0.0133291

A930013B10Rik	0.20872	0.200775	-0.055988	0.923241	0.976086
Gm525_j1	0.573206	0.318918	-0.845868	0.205406	0.549747
Gm525	1.32173	1.28736	-0.0380105	0.917084	0.97399
Tmem100_j1	0.583079	0.16295	-1.83926	0.0155415	0.117743
Tmem100_j3	2.5167	1.90882	-0.398848	0.126164	0.442326
Mmd	4.36704	4.07955	-0.0982443	0.525094	0.800504
Cox11	0.737185	0.743699	0.012692	0.947075	0.984332
Car10	4.37308	3.27455	0	1	1
Car10	6.5323	5.86337	0	1	1
Spag9_j3	4.54157	2.11829	-1.10029	3.37E-13	5.25E-11
B230206L02Rik	3.31104	3.21962	-0.0403925	0.885941	0.963781
Tob1_j2	0.392252	0.34394	-0.189625	0.727508	0.903503
Tob1	2.27033	1.70349	-0.41441	0.104727	0.401704
Ankrd40	45.0294	41.2082	-0.127934	0.14334	0.470463
Chad	0.353711	0.112538	-1.65216	0.0158401	0.119411
Lrrc59	61.6651	64.8054	0.0716594	0.407106	0.727764
Mrpl27_j2	0.611235	0.468416	-0.383935	0.0794021	0.342156
Gm11542_j1	0.131328	0.0743248	-0.821261	0.266025	1
Col1a1	6.28881	9.46409	0.589676	1.30E-08	8.93E-07
Ppp1r9b	23.6449	22.4845	-0.0725975	0.427857	0.741888
Ppp1r9b_j3	0.0856592	0 -1.79769e+308		0.0536768	1
Samd14_j3	38.8637	41.313	0.0881731	0.404391	0.726779
Dlx3_j2	0.124905	0.187962	0.589609	0.462042	0.763059
Dlx3	0.34464	0.358126	0.0553786	0.846242	0.951378
Dlx3_j6	1.11732	1.04678	-0.0940746	0.75949	0.91718
Fam117a	2.12142	1.96435	-0.110981	0.607338	0.845305
Fam117a_j1	1.13213	0.683762	-0.727469	0.0447722	0.241767
Slc35b1	8.03812	9.017	0	1	1
Slc35b1	4.20411	4.47093	0	1	1
Slc35b1_j3	1.02787	2.18591	0	1	1
Spop_j5	12.5658	15.3534	0.28905	0.0559103	0.276454
XLOC_004395	0.0892243	0.252577	1.50121	0.155441	0.48852
Zfp652_j1	0.831276	0.784694	-0.0831965	0.73304	0.905803
Zfp652_j7	26.8196	20.7201	-0.372261	0.0002646	0.0048282
Ttll6_j8	0.120719	0.000117748	-10.0017	0.869167	1
Hoxb9_j1	1.57082	0.983005	-0.676243	0.0059762	0.0583482
Hoxb9	5.93404	5.08807	-0.221897	0.11789	0.427206
Hoxb8_j1	3.20632	1.32797	-1.27169	1.43E-06	5.63E-05
Hoxb3_j1	0.807134	0.621928	-0.376061	0.203648	0.547888
Hoxb6	3.79652	2.8452	-0.416148	0.0442988	0.24008
Hoxb5_j4	0.310355	0.603164	0.958632	0.140477	0.466174
Hoxb4	0.996765	1.2515	0.328334	0.110146	0.412969
Hoxb3_j3	0.325543	0.253877	-0.358719	0.460001	0.76171
Hoxb2	1.26054	1.13189	-0.155309	0.522538	0.798932
Cbx1_j4	7.86994	9.54353	0	1	1
Copz2	3.40382	3.75244	0.140674	0.563834	0.822976
Prr15l	0.0643876	0.051158	-0.331823	0.817021	1

Prr15l	0.246692	0.41264	0.742174	0.156655	0.490184
Sp6	0.41875	0.296013	-0.500429	0.194453	0.536757
Scrn2	1.26223	1.39551	0.144816	0.60668	0.845067
Scrn2_j1	0.701053	0.372071	-0.913946	0.0740471	0.328019
Scrn2_j2	1.14568	0.996576	-0.20115	0.655171	0.868251
Mrpl10	5.75713	4.73247	0	1	1
Osbpl7	3.0467	2.36183	0	1	1
Mrpl45	16.7363	16.9375	0.0172402	0.880568	0.961981
Socs7_j1	3.81441	3.22553	0	1	1
Socs7_j3	2.44528	1.61513	0	1	1
Arhgap23_j6	3.37065	4.02586	0	1	1
Mllt6_j1	0.386836	0.0404005	0	1	1
Mllt6	3.85358	2.66385	0	1	1
Mllt6_j6	1.07632	1.79304	0	1	1
Cisd3	5.57358	4.65424	0	1	1
Cisd3	9.28835	16.1552	0	1	1
Cisd3	25.3556	26.5938	0	1	1
Psemb3_j2	16.9676	20.9607	0.3049	0.0445431	0.240823
Lasp1	7.64249	7.26057	0	1	1
Lasp1_j1	0.189588	0.286855	0	1	1
B230217C12Rik	0.0542257	0.0163713	-1.7278	0.222488	1
Cdk12	0.895139	0.440921	0	1	1
Ppp1r1b	4.14168	4.66047	0.170261	0.284266	0.632886
Stard3_j1	0.270567	0.154413	-0.809194	0.397365	0.721699
Stard3	9.57662	10.3749	0.11551	0.39249	0.718739
Stard3_j3	1.21041	1.05192	-0.202478	0.612306	0.847331
Erbp2	2.00701	1.96869	0	1	1
Psmc3	66.6184	73.4614	0.141064	0.102575	0.396835
Thra_j5	0.137424	0 -1.79769e+308	0.0213462	0.147293	
Thra	65.7558	61.7325	-0.0910874	0.320812	0.664012
Msl1	8.41428	8.26456	0	1	1
Msl1	10.8623	12.0791	0	1	1
Casc3	7.02009	6.23755	0	1	1
Casc3_j1	6.60288	7.59509	0	1	1
Rapgef1	0.386643	0.437225	0.177376	0.511082	0.791373
Wipf2	0.469536	0.243715	0	1	1
Rara_j1	0.225912	0.135972	0	1	1
Rara	0.456565	0.581934	0	1	1
Rara	0.743351	0.909148	0	1	1
Rara	0.421081	0	0	1	1
Igfbp4_j1	0.68604	0.863618	0	1	1
Gm11560	14.1682	19.0171	0.424648	0.00075	0.011381
Gm11598	18.572	21.856	0.234905	0.140185	0.465682
Eif1_j2	22.9758	22.0343	0	1	1
Fkbp10	3.92074	4.15626	0.0841579	0.554724	0.817714
Ttc25	0.0605475	0.0275013	-1.13856	0.411494	1
Cnp	1.41389	1.35347	-0.0630114	0.758717	0.917041

Nkiras2	14.8806	17.0904	0.199757	0.0655996	0.30534
Atp6v0a1_j5	0.0554906	0.0935998	0	1	1
Naglu	2.67839	2.86883	0.0990949	0.571443	0.826851
Hsd17b1_j3	0.190988	0.0199971	-3.25562	0.0920678	0.373273
Coasy_j2	1.47304	2.04536	0	1	1
Tubg2_j1	6.09845	4.09459	-0.574724	0.0062313	0.0603186
Tubg2	20.4884	18.5692	-0.141892	0.218793	0.565038
Cntnap1	2.24396	2.11053	0	1	1
Cntnap1_j2	9.50771	5.41044	0	1	1
Ramp2	0.256916	0.220944	-0.217619	0.786528	0.928645
Vps25_j1	15.3497	16.0673	0.0659117	0.587508	0.835056
Vps25_j4	0.362509	0.644597	0.830379	0.318275	0.661707
Psme3_j6	32.7715	33.4444	0.0293231	0.755117	0.915526
Aoc3_j1	0.116661	0 -1.79769e+308		0.0007052	1
Rundc1	2.275	2.45622	0	1	1
Rundc1_j1	1.17243	0.908656	0	1	1
Rpl27_j2	0.444072	0.686482	0.628428	0.0921532	0.373526
Ifi35	0.469477	0.504882	0	1	1
Ifi35_j2	1.61092	2.56473	0	1	1
Nbr1_j1	0.11393	0.266121	0	1	1
Nbr1	16.0989	16.6018	0	1	1
Tmem106a	0.464521	0.474333	0	1	1
Tmem106a_j2	1.01452	1.37007	0	1	1
Tmem106a	1.80594	1.75733	0	1	1
Rdm1	0.996465	1.316	0.401272	0.160601	0.495311
Rdm1_j6	0.82397	0.955985	0.214396	0.704138	0.891718
Arl4d	8.01867	7.3132	-0.132859	0.354014	0.690168
Dhx8	2.04184	1.72618	-0.242292	0.146206	0.474483
Cd300lg	0.807718	0.784548	-0.0419903	0.89257	0.966031
Gm11585	7.82312	8.49133	0.118247	0.533494	0.805159
G6pc3_j1	0.635232	0.583872	-0.121632	0.8222	0.942621
BC030867_j2	0.527386	0.457685	-0.204502	0.699946	0.889482
BC030867_j4	0.378624	0.167384	-1.1776	0.170961	0.507955
Rundc3a_j3	6.35235	7.35013	0	1	1
Rundc3a_j9	0.379278	0.257844	0	1	1
Grn	29.4351	37.128	0.334969	0.0003224	0.0056811
Fzd2	1.53449	1.73194	0.174634	0.294771	0.641359
Gm16342_j2	0.0685126	0.117735	0.781108	0.528755	1
Adam11	24.0866	19.1447	0	1	1
Adam11_j7	12.6468	8.9076	0	1	1
Nmt1_j1	22.8678	19.7564	0	1	1
Acbd4_j6	12.7973	11.574	0	1	1
Hexim1	5.42148	5.20548	-0.0586571	0.608919	0.84604
Hexim2	0.678029	0.255699	-1.4069	0.0107798	0.0904737
Hexim2	0.243056	0.428581	0.818278	0.14196	0.46851
Hexim2_j5	0.39735	0 -1.79769e+308		8.09E-07	3.46E-05
Fmnl1_j5	4.49097	3.57881	-0.327545	0.050897	0.2614

Fmnl1_j8	4.10991	4.55214	0.147438	0.393218	0.719154
Fmnl1_j11	10.9874	11.8775	0.112378	0.452853	0.757797
Arf2	7.41242	8.07422	0.123379	0.324648	0.667642
Arf2_j1	0.305554	0 -1.79769e+308		2.11E-05	0.0005803
Crhr1	0.41904	0.181832	-1.20448	0.030142	0.186295
Mapt_j1	37.3502	37.069	-0.0109008	0.900415	0.968327
Itgb3	1.31799	1.35319	0	1	1
Itgb3_j1	1.31799	1.39174	0	1	1
Mettl2_j1	2.18931	1.36459	-0.682011	0.0300845	0.186072
Mettl2_j6	0.974866	0.664346	-0.55327	0.187211	0.528204
Tlk2_j3	0	0.192982	1.79769e+308	0.0028992	0.0335111
Tlk2_j5	0.202123	0.256822	0.345535	0.610616	0.846532
Mrc2_j2	0.110793	0.0148381	-2.90049	1	1
Mrc2_j5	0.190653	0.0727296	-1.39034	0.0799018	0.3436
AK039104_j2	0.140306	0.041731	-1.74939	0.24362	0.59085
Ace_j3	0.336547	0.227693	-0.563721	0.153834	0.48666
Ace	0.0162818	0.341076	4.38876	4.80E-05	0.0011531
Kcnh6	6.83787	6.57012	-0.0576281	0.61716	0.849331
Kcnh6_j1	0.191909	0.208678	0.120859	0.759629	0.91718
Dcaf7	21.1982	20.2919	-0.0630412	0.478744	0.773322
Taco1	4.56781	4.92408	0.10835	0.450699	0.756228
Map3k3	0.647661	0.435375	0	1	1
Ddx42	8.7833	8.05106	0	1	1
Psmc5_j1	38.9112	51.8798	0	1	1
1810010H24Rik_j1	0.43433	0.506872	0.222833	0.584375	0.833436
Psmc12	49.006	45.4894	-0.107426	0.262255	0.611336
Helz	0.37776	0	0	1	1
Helz_j6	0.0567115	0	0	1	1
Ccdc46_j3	0.0992155	0 -1.79769e+308		0.0006894	1
Ccdc46_j2	0.153121	0 -1.79769e+308		2.26E-05	0.0006107
Ccdc46_j4	0.251751	0.0809647	-1.63663	0.018881	0.135521
XLOC_004524	0.143341	0.0665176	-1.10765	0.314803	0.658969
Axin2	1.15448	0.525454	0	1	1
Gna13	9.27797	7.70485	0	1	1
Amz2_j1	1.8439	0.777376	-1.24607	0.0250948	0.164737
Amz2	14.9363	15.1451	0.0200342	0.848487	0.952104
Arsg	0.0985857	0.0334091	0	1	1
Arsg_j5	0.0798686	0.037208	0	1	1
Prkar1a	221.577	223.527	0.0126443	0.88845	0.964658
Map2k6	0.483834	0.26717	-0.856757	0.0165092	0.123122
XLOC_004530	0.263324	0.151218	-0.800211	0.226199	0.573417
Kcnj16	0.280853	0.354832	0.337321	0.395898	0.72089
Kcnj16_j2	0.594608	0.041195	-3.8514	0.0002291	0.0042901
Kcnj2	0.422355	0.244428	-0.789045	0.0311489	0.190303
Gm11675	8.57052	10.6221	0.309614	0.0366905	0.211804
Sox9_j1	0.0334742	0.18597	2.47395	0.0265098	0.171144
Sox9	0.42903	0.982878	1.19593	6.36E-08	3.65E-06

Sstr2_j1	2.47508	2.19104	-0.175861	0.342417	0.68221
Cog1_j1	5.16272	4.39072	0	1	1
Cog1_j2	1.30548	1.28622	0	1	1
XLOC_004539	0.13027	0.124228	-0.0685165	0.911515	1
Rpl38	0.39744	1.07555	1.43627	0.0022049	0.0269555
Ttyh2	2.98227	3.23627	0	1	1
Ttyh2_j2	0.0647085	0.0132393	0	1	1
Kif19a	1.33301	0.833006	0	1	1
Kif19a_j5	1.6492	1.80309	0	1	1
Gprc5c	2.01405	1.29783	0	1	1
Gprc5c_j4	1.46862	0.181279	0	1	1
Gprc5c	3.02813	3.14428	0	1	1
XLOC_004546	0.144358	0.0771877	0	1	1
Cd300a_j2	0.146464	0.0211158	0	1	1
Cd300a	0.128263	0.145832	0	1	1
Rab37_j1	7.00969	4.55951	0	1	1
Rab37_j2	8.5197	7.26013	0	1	1
Tmem104	12.2184	12.3079	0.0105309	0.913351	0.972756
Cdr2l	4.31084	3.11962	-0.466599	0.0007285	0.0110828
Ict1	18.0443	18.4727	0.0338563	0.811365	0.938053
Ict1	6.63778	5.95394	-0.156855	0.543811	0.811058
Kctd2	5.23605	4.88867	-0.0990352	0.335554	0.676258
Armc7	2.09389	1.99513	-0.0697031	0.686246	0.883069
Nup85	9.2856	9.82516	0	1	1
2310067B10Rik	0.478137	0.140126	0	1	1
2310067B10Rik_j1	0.278368	0	0	1	1
2310067B10Rik_j3	5.10138	3.29984	0	1	1
Tsen54	4.62032	4.08364	-0.178137	0.243549	0.59077
Llg12_j5	0.154936	0 -1.79769e+308	0.0138139	0.0138139	0.1085
2210020M01Rik	1.71753	1.64364	-0.0634405	0.745419	0.91128
2210020M01Rik	0.548991	0.415684	-0.401293	0.294724	0.641359
Sap30bp	8.60948	9.81472	0.18902	0.073029	0.325396
Itgb4	0.34701	0.496558	0.516986	0.107754	0.407985
Itgb4_j3	1.08359	1.20958	0.158688	0.434005	0.745221
Itgb4_j8	2.88596	4.43088	0.618545	0.0010555	0.0148995
Unk_j2	0.438749	0.650027	0	1	1
Unk	0.15222	0.122308	0	1	1
Cdk3_j1	7.10272	7.84063	0	1	1
Sphk1	0.252063	0.33926	0.428606	0.195688	0.538253
Aanat_j1	0.237067	0.171952	-0.463293	0.500496	0.785042
1810032O08Rik	0.558953	0.45691	-0.290816	0.577709	0.829916
1810032O08Rik	0.931969	0.906001	-0.0407696	0.929707	0.978418
1110005A03Rik_j1	0.208007	0.0832736	-1.3207	0.0417367	0.230484
Mfsd11_j4	18.2156	19.9376	0.130315	0.21675	0.562923
Mgat5b_j6	0.386402	0.562324	0.541298	0.278477	0.627428
2810008D09Rik	12.2382	12.288	0.00585737	0.97197	0.991962
Sec14l1	11.5488	11.1245	-0.0540125	0.599282	0.841178

Sec14l1_j1	0.0898713	0	-1.79769e+308	0.0125049	1
Sept9	5.4146	5.50679	0	1	1
Gm11734_j1	0.100389	0.0478703	-1.0684	0.239014	1
Gm11734_j4	0.030223	0.0747742	1.30689	1	1
2900041M22Rik	2.23293	1.83077	-0.286485	0.170721	0.507662
Tmc8_j5	0.0943025	0	-1.79769e+308	0.0017482	1
Tmc8_j4	0.115727	0.0831836	-0.476359	0.562266	1
Tmc8_j7	0.0895245	0.184526	1.04347	0.191376	0.53353
Tmc8_j10	0.128864	0	-1.79769e+308	0.0391788	1
Syngn2	5.8157	6.94426	0.255869	0.0933313	0.376049
Afmid_j3	0.0968642	0	-1.79769e+308	0.0056634	1
Birc5	1.16292	1.4051	0.272913	0.230018	0.577072
Pgs1_j3	13.0339	10.6914	0	1	1
Pgs1_j5	3.2929	2.66748	0	1	1
Pgs1_j8	27.5618	34.2081	0	1	1
C1qtnf1	6.40373	5.57203	0	1	1
Engase_j3	0.361132	0.315439	-0.195167	0.742362	0.909901
Engase_j4	0.122092	0	-1.79769e+308	0.0085791	1
Engase	0.149141	0.318528	1.09474	0.136431	0.459412
Cbx2_j1	0.13827	0	-1.79769e+308	0.0001661	0.0032888
Cbx2	0.763889	0.965241	0.337526	0.192262	0.534507
Ccdc40_j2	3.24953	4.98811	0.618261	0.0006165	0.0097101
Gaa	98.9187	85.8529	-0.204377	0.0171841	0.12672
Card14_j2	0.345705	0.219163	-0.657537	0.0811059	0.346776
Slc26a11_j3	0.752487	0.847918	0	1	1
Slc26a11	1.0345	0.88318	0	1	1
Slc26a11_j2	0.361863	0.659843	0	1	1
XLOC_004601	0.105723	0.00935661	0	1	1
Rnf213_j6	0.880276	1.02372	0	1	1
A730011L01Rik	0.632812	0.466696	0	1	1
A730011L01Rik_j2	0.690656	0.575036	0	1	1
Gm11762_j3	0.100908	0.0913923	-0.142894	0.821382	1
Rptor	5.171	4.30584	0	1	1
Rptor_j2	4.30104	4.37089	0	1	1
Chmp6_j1	11.2287	11.7095	0.0604891	0.564259	0.823154
Baiap2	2.46162	2.62233	0.0912392	0.602782	0.843178
Baiap2	0.744643	0.698942	-0.0913758	0.819145	0.94142
Baiap2	2.03291	2.43578	0.260836	0.234866	0.582077
1810043H04Rik	3.53258	3.21733	0	1	1
Bahcc1_j2	0.0690658	0.0262489	-1.39572	0.0814776	1
Hgs_j6	0.189984	0.220193	0.212894	0.598697	0.84094
Mrpl12	14.404	15.3399	0.0908217	0.518996	0.796737
Mrpl12_j1	2.21815	1.75411	-0.338623	0.506667	0.789088
Slc25a10	10.5057	9.33657	-0.170208	0.17047	0.507473
Anapc11_j1	2.31086	2.1769	-0.0861503	0.617482	0.84948
Anapc11_j3	0.0946427	0.0685	-0.466387	0.602667	1
Lrrc45_j2	1.23377	0.112771	0	1	1

Rac3	33.9764	46.8922	0.464816	5.82E-05	0.0013554
Hexdc_j1	0.0790174	0.0147796	0	1	1
Narf	5.96259	5.75049	-0.0522541	0.606409	0.845025
Foxk2	0.969954	0	0	1	1
Fn3krp	7.56506	6.80908	-0.151893	0.229754	0.57683
Tbcd_j1	0.400992	0.171221	0	1	1
Metrn1	2.6112	6.12736	1.23055	1.47E-09	1.20E-07
Drg1	3.57644	3.89697	0	1	1
Limk2_j1	1.36309	1.50396	0	1	1
Rnf185_j2	2.20003	3.20104	0	1	1
Rnf185	6.76413	6.86422	0	1	1
Smtn_j3	0.080773	0 -1.79769e+308		0.0037004	1
Smtn_j1	2.0654	2.64745	0.35818	0.0091075	0.0799533
Tug1	7.11486	6.93343	-0.037266	0.699228	0.889208
Osbp2	0.300123	0	0	1	1
Slc35e4	6.61413	9.24337	0.482868	3.14E-05	0.0008057
Tcn2_j1	0.436544	0.00228737	-7.5763	0.324526	0.667503
Tcn2	12.9336	12.3204	-0.0700782	0.553768	0.817269
Mtfp1_j2	5.94666	4.37171	-0.44388	0.0176423	0.129064
Mtfp1	1.37742	1.1321	-0.282974	0.286492	0.635373
Ccdc157_j1	0.0737165	0.0435114	-0.760592	0.194194	1
Hormad2_j1	0.57671	0.522544	-0.142295	0.707743	0.893519
Mtmr3_j5	10.2882	8.35247	0	1	1
Mtmr3_j6	0.115208	0	0	1	1
Mtmr3	5.14703	4.56764	0	1	1
Uqcr10_j3	0.110876	0.205755	0.891975	0.326535	0.669766
Cabp7	10.3519	6.38191	-0.697841	4.17E-08	2.50E-06
Nf2_j3	6.99935	7.04701	0	1	1
Nf2	6.35947	6.5828	0	1	1
Nefh	2.00274	0.578944	0	1	1
Gas2l1	0.243342	0.320843	0	1	1
Gas2l1_j7	1.53832	1.12785	0	1	1
Ewsr1_j1	3.87904	3.30815	0	1	1
Emid1_j3	0.526042	0.862969	0.71413	0.0672863	0.310169
Emid1	1.66454	1.67037	0.00504496	0.983681	0.995196
Kremen1	2.71558	2.82549	0.0572412	0.698227	0.888784
Ccdc117	0.813596	0.905913	0.155059	0.476105	0.771923
Mrps24	26.7905	27.6618	0	1	1
Polm_j3	0.300796	0.169703	-0.825772	0.145809	0.47377
Polm_j1	0.0628421	0 -1.79769e+308		0.0113444	1
Polm_j2	0.105212	0 -1.79769e+308		0.0017891	1
Pold2	4.55586	4.77175	0.0667954	0.600275	0.841633
Gck_j1	0.364539	0.177663	-1.03693	0.169116	0.505835
Camk2b_j9	5.27213	3.49056	0	1	1
Camk2b	2.10862	1.5477	0	1	1
Camk2b_j8	2.05864	1.01889	0	1	1
Nudcd3	4.53525	3.83363	0	1	1

Ddx56	18.8538	19.5591	0.0529825	0.607042	0.845207
Tmed4	22.1871	21.8855	-0.0197461	0.83715	0.947892
H2afv	6.17713	6.07842	-0.0232403	0.881836	0.962574
Myo1g_j5	0.0502335	0.0484123	-0.0532756	0.96967	1
AK160548_j2	0.564353	0.607479	0.106236	0.828283	0.944579
AK160548_j1	1.07989	1.22893	0.186527	0.649317	0.865253
Nacad	0.20511	0.101471	0	1	1
Tbrg4	9.67522	7.41599	0	1	1
Tbrg4_j4	2.30375	0.861317	0	1	1
Gm11977	2.5246	2.24524	-0.169183	0.391485	0.71795
Igfbp3	9.12065	16.3892	0.845538	3.33E-15	6.71E-13
Tns3_j4	0.529137	0.685122	0	1	1
Tns3	7.67921	7.38636	0	1	1
Hus1_j2	0.742312	0.530061	0	1	1
Hus1	0.523791	0.312425	0	1	1
Hus1_j6	0.451387	0.419661	0	1	1
Zpbp_j5	0.166771	0.046883	-1.83073	0.0524962	0.266162
Zpbp_j4	0.019829	0.0482027	1.2815	0.362449	1
Zpbp_j7	0.149693	0.173185	0.210307	0.752803	0.914568
Figl1_j1	0.129911	0.187881	0.532289	0.402979	0.726051
Figl1	0.0594125	0 -1.79769e+308		0.0219522	1
Figl1	0.11423	0.000127442	-9.80789	0.882239	1
Grb10_j8	0.336891	0.223919	0	1	1
Grb10_j4	1.58541	2.49069	0	1	1
Grb10	2.02718	2.95862	0	1	1
Cobl_j6	0.474139	1.19629	0	1	1
Cobl_j8	0.521323	0.287428	0	1	1
Gm12663	34.6719	27.7476	-0.321404	0.0027908	0.0325105
Pno1	16.8998	18.3637	0.11985	0.274628	0.623754
Etaa1	1.14554	0.718904	0	1	1
Meis1_j4	0.148456	0.115487	-0.362304	0.696616	0.88816
Meis1	0.648859	0.697352	0.103982	0.707376	0.893299
XLOC_004705	0.115221	0.106557	-0.112784	0.894074	1
Actr2_j1	51.4703	37.3604	0	1	1
Cep68	1.00341	0.867809	-0.209467	0.256918	0.60573
Slc1a4_j2	11.2976	17.8717	0	1	1
Slc1a4	12.7737	16.0302	0	1	1
Aftph_j4	11.9554	11.5367	-0.0514328	0.624486	0.853373
1110067D22Rik_j4	2.39454	2.58855	0	1	1
1110067D22Rik_j3	0.14497	0	0	1	1
Ugp2	3.73039	2.97681	0	1	1
Ugp2	4.3209	4.60759	0	1	1
Ugp2_j1	43.8925	38.2486	0	1	1
Mdh1_j1	40.9006	24.0176	0	1	1
Mdh1	195.799	156.158	0	1	1
Ehbp1_j3	0.163021	0	0	1	1
Ehbp1_j2	1.61469	1.59517	0	1	1

Ehbp1_j1	1.11799	0.623036	0	1	1
Ehbp1_j15	1.64186	0.724524	0	1	1
XLOC_004718	0.208522	0.0431126	-2.27402	0.265194	0.614018
XLOC_004718	0.102299	0.0491589	-1.05727	0.432508	1
B3gnt2_j1	1.9847	0.737831	0	1	1
Ahsa2	22.2853	23.8849	0.100008	0.298067	0.644674
mKIAA1841_j2	10.2749	11.5982	0	1	1
0610010F05Rik	15.335	14.0223	0	1	1
Pex13_j1	1.15145	1.25694	0	1	1
Pex13	3.39829	2.38107	0	1	1
Rel_j1	0.674027	0.669592	-0.00952583	0.960641	0.988891
Papolg	2.72487	2.58508	-0.0759791	0.605035	0.844161
Vrk2	0.892435	0.937172	0.0705676	0.787308	0.929063
Ccdc85a	6.51024	5.90282	0	1	1
Ccdc104	16.1811	16.8666	0.0598634	0.501716	0.785736
Prorsd1_j2	0.255579	0.13811	-0.887956	0.0627245	0.296633
Prorsd1	0.514987	0.546747	0.086337	0.725551	0.902457
Eml6_j2	0.309163	0.208387	0	1	1
Spnb2_j5	83.2677	87.3948	0.0697909	0.44237	0.750549
Spnb2_j3	18.4272	13.6593	-0.431954	3.24E-06	0.0001162
Acyp2_j1	1.583	2.48457	0.650332	0.0980425	0.387
Acyp2_j4	0.497468	0.363758	-0.451626	0.539926	0.808719
Erlec1_j2	2.39799	2.86212	0	1	1
Erlec1_j3	0.670497	0.616096	0	1	1
Erlec1	5.96676	5.29287	0	1	1
Chac2	2.88412	2.67052	-0.11101	0.697792	0.888634
Chac2	12.7389	14.0346	0.139746	0.298274	0.644912
Bod1	21.9491	25.0811	0.192442	0.0581616	0.283189
XLOC_004745	0.0572288	0 -1.79769e+308	0.0549655		1
Rhbdf1_j3	1.98086	2.13452	0	1	1
Rhbdf1	1.67282	1.36642	0	1	1
Rhbdf1_j4	2.95767	3.71388	0	1	1
Nprl3	0.342575	0.359513	0.0696235	0.807861	0.936731
Nprl3	0.703993	0.686101	-0.0371388	0.859971	0.955708
Nprl3_j1	10.1442	10.5287	0.0536771	0.696402	0.888071
Efcab9_j2	0.0710812	0 -1.79769e+308	0.0629191		1
Efcab9_j3	0.0958693	0.0588571	-0.703853	0.588038	1
XLOC_004748	0.192378	0.168289	-0.193007	0.683778	0.881734
Fgf18_j4	5.64966	5.97585	0.0809792	0.661968	0.871832
Fgf18	3.02269	2.0434	-0.56486	0.0177099	0.129403
Tlx3_j2	8.34639	6.93222	-0.267833	0.244634	0.592233
Tlx3	1.94645	1.87049	-0.0574287	0.695213	0.887572
Ranbp17_j2	1.0159	1.05364	0.0526296	0.78221	0.926386
Kcnip1_j1	0.514757	0.171246	-1.58782	0.0532831	0.268698
Kcnip1_j3	2.35023	0.581729	-2.01438	2.72E-08	1.73E-06
AK015529_j1	0.319793	0.274622	-0.219692	0.538116	0.807846
Dock2_j5	0.237321	0.266222	0.165789	0.835029	0.946943

Dock2_j12	0.113038	0.0745507	-0.600513	0.669995	1
Ccdc99	0.415868	0.271523	-0.615053	0.14175	0.468358
Fbll1	2.30316	2.26674	-0.022991	0.903117	0.969087
Rars_j1	10.1597	11.4354	0.170656	0.406483	0.727764
Rars	21.3979	24.2068	0.177946	0.0727252	0.324526
Odz2_j2	0.689965	0.288443	-1.25824	5.89E-05	0.001367
Odz2_j3	0.0967123	0 -1.79769e+308		1.54E-06	1
Odz2_j4	0.364994	0.24829	-0.555842	0.0692969	0.315615
Mat2b	32.0783	27.6894	0	1	1
Ccng1	26.6671	26.0443	0	1	1
Gabrg2_j8	2.6356	1.08607	0	1	1
Gabrg2_j9	5.146	3.14555	0	1	1
Gabrg2_j11	2.5421	1.41301	0	1	1
Gabrg2_j10	2.88193	2.17876	0	1	1
Gabra1_j2	1.24119	0.207815	0	1	1
Gabra1	1.1067	0.65294	0	1	1
Gabra1_j3	8.40249	6.57069	0	1	1
Pttg1_j1	23.6488	22.0328	-0.102117	0.447903	0.754594
Pttg1	4.71091	4.4016	-0.0979782	0.706092	0.892648
Ttc1	34.2383	29.7452	-0.202954	0.0394701	0.222024
Adra1b	1.20433	0.956264	-0.332748	0.152197	0.483673
Ublcp1_j1	13.0251	11.3522	0	1	1
Ublcp1_j11	0.0978673	0	0	1	1
Gm12161	4.21688	4.11268	-0.0360978	0.898765	0.967647
Lsm11_j4	0.7285	0.729448	0	1	1
Lsm11	1.42167	1.02844	0	1	1
Thg1l	1.91633	1.95817	0.0311639	0.843732	0.950584
Cyfp2_j1	27.1236	34.9504	0	1	1
Cyfp2_j2	0.481268	0.265528	0	1	1
Cyfp2_j3	8.35475	4.43656	0	1	1
Itk_j1	0.628813	0.778405	0.307891	0.221274	0.568372
Sgcd	0.361645	0.373306	0	1	1
Gm12183	97.1383	102.03	0.0708754	0.408399	0.728704
XLOC_004791	0.166918	0.0741151	-1.1713	0.280304	0.629058
Irgm1	0.761567	0.675502	-0.173012	0.63476	0.858242
Irgm1_j2	3.53367	2.90323	-0.28351	0.130887	0.450454
Tgtp2	3.52077	2.03912	-0.787946	0.0002291	0.0042901
Cnot6_j1	2.43589	1.66621	0	1	1
Cnot6_j2	1.34429	1.50592	0	1	1
Sqstm1_j8	0.28422	0.379169	0	1	1
Sqstm1_j9	0.55775	0.41949	0	1	1
Ltc4s_j1	0.248789	0.270633	0.121412	0.897465	0.967361
Canx	108.995	109.666	0.00885475	0.91823	0.974532
Rufy1_j1	3.77788	4.08048	0.111162	0.450962	0.756347
Rufy1	0.702144	0.701461	-0.00140262	0.996569	0.999083
Zfp354c_j2	0.533047	0.499533	0	1	1
Zfp354c	2.75433	2.10787	0	1	1

Zfp2	2.0724	1.97856	-0.0668532	0.75152	0.913968
Zfp2	0.419493	0.641202	0.612133	0.0838112	0.353076
Zfp2	1.38548	1.01203	-0.453141	0.10554	0.403518
Zfp354b	0.564793	0.458592	-0.300512	0.391171	0.717835
Zfp354b_j4	1.48094	1.04313	-0.505599	0.0606335	0.290208
Hnrnpab_j5	43.1332	49.5752	0.200822	0.0598207	0.287845
Hnrnpab_j4	8.49133	9.43783	0.152464	0.22951	0.576573
Rmnd5b_j1	10.5415	15.2701	0.53463	4.06E-06	0.0001411
Rmnd5b	4.79577	5.31253	0.147636	0.3183	0.661707
N4bp3	0.520339	0.47996	-0.116538	0.72516	0.902421
O610009B22Rik	11.6937	12.5388	0.100667	0.521776	0.798368
Sec24a_j4	0.118094	0.0867376	-0.445202	0.506638	1
Sec24a_j5	0.618204	0.403096	-0.61696	0.0449935	0.242451
Sec24a	0.961911	0.863101	-0.156375	0.469487	0.767555
Phf15_j2	0.184665	0 -1.79769e+308		3.21E-08	2.00E-06
Phf15_j3	0.591238	0.53514	-0.143823	0.612259	0.847331
Ube2b_j2	0.283695	0	0	1	1
Ube2b_j4	0.491203	0.0530319	0	1	1
Ube2b_j7	7.23564	3.40751	0	1	1
Olf1383	0.135041	0.232996	0.786902	0.179006	0.518629
Tcf7_j3	0.194996	0.269944	0.469216	0.401032	0.724471
Tcf7	0.145961	0.0743137	-0.973883	0.293039	0.640079
Hspa4_j2	8.94126	9.22536	0	1	1
Hspa4	11.7203	6.58928	0	1	1
Uqcrq	38.068	38.4295	0.0136356	0.904402	0.96954
AK138371	1.0873	0.429433	-1.34025	0.0009644	0.0138988
AK038603_j1	0.292935	0.245106	0	1	1
Rad50_j1	0.387332	0.232714	-0.735013	0.0491724	0.255597
Rad50	1.96106	1.76012	-0.155954	0.252532	0.600518
Slc22a5_j1	1.81017	1.46213	0	1	1
Slc22a5	1.43124	1.64556	0	1	1
Pdlim4	11.2596	12.8044	0.185478	0.166201	0.502787
Cdc42se2_j1	5.23384	5.93296	0	1	1
Cdc42se2	9.73479	10.2306	0	1	1
Lym7_j1	1.53075	1.3802	-0.14936	0.685368	0.882592
Tnip1	4.93478	5.39217	0.127882	0.339917	0.68005
Tnip1_j6	0.365293	0.497779	0.44645	0.113685	0.419374
Anxa6	141.322	144.204	0	1	1
Gm12231	155.352	152.87	-0.023231	0.794297	0.931391
Slc36a2_j2	0.561307	0.52361	-0.100297	0.758887	0.917041
Slc36a2	1.0571	1.31917	0.319524	0.176425	0.515101
Sparc_j4	65.0556	69.1486	0	1	1
Sparc_j3	10.9748	14.6866	0	1	1
Sparc	29.3441	34.4752	0	1	1
Atox1	54.2789	58.0018	0	1	1
XLOC_004846	0.115807	0.113533	-0.0286149	0.984656	1
Fam114a2	0.164576	0.119751	0	1	1

Fam114a2	0.602601	0.527114	0	1	1
AK007998_j4	1.25896	0.923535	-0.446993	0.317151	0.66048
AK007998_j1	0.784388	1.02127	0.380723	0.403333	0.726254
AK007998	0.679617	0.720508	0.0842934	0.876343	0.960704
Gemin5	1.11404	1.39286	0	1	1
Gemin5_j5	0.707517	0.12362	0	1	1
XLOC_004853	0.154046	0.115509	-0.415351	0.668093	0.874424
Gm12251	83.2452	76.3569	-0.124608	0.186329	0.526905
Gm12254	78.8621	99.8812	0.340882	0.0006068	0.0095726
2210407C18Rik	0.233909	0.107391	-1.12308	0.128597	0.446769
Fam183b	0.350574	0.401012	0.193927	0.721359	0.900355
Rnf187	35.9423	35.9571	0.000594306	0.995077	0.998643
Rnf187_j4	0.656398	0.255956	-1.35868	0.0634333	0.298808
Obscn_j2	0.707821	0.475608	-0.573613	0.109855	0.412445
A230051G13Rik	1.66082	1.88573	0.183226	0.223209	0.570235
Guk1	24.1239	25.8923	0.10206	0.415984	0.733677
Arf1	13.5733	12.3173	0	1	1
Arf1	31.4377	35.23	0	1	1
Snap47	10.8795	10.2286	-0.0889942	0.476642	0.772215
Snap47_j3	0.0580801	0 -1.79769e+308		0.0428751	1
Zkscan17_j1	0.420457	0.386773	0	1	1
Pld6	0.167267	0.0907414	-0.882316	0.324338	0.667432
Flcn	7.89543	8.23402	0.0605783	0.589292	0.836005
Cops3	46.4037	40.5705	-0.193806	0.0440612	0.239093
AK005951_j1	0.196447	0.12325	-0.672557	0.420158	0.736557
Pemt	2.45257	2.40556	-0.0279232	0.924119	0.976334
Pemt_j3	1.39043	1.30497	-0.0915199	0.81697	0.940566
Pemt_j1	2.16533	2.20693	0.0274603	0.93269	0.979616
Srebf1_j1	1.47679	1.5353	0.0560579	0.661754	0.871768
Tom1l2_j2	50.5674	47.1844	0	1	1
Tom1l2	14.8192	12.5275	0	1	1
Atpaf2	10.2706	10.7511	0.0659613	0.593266	0.83794
Flii	29.2718	31.5238	0.106933	0.228621	0.575633
Flii_j6	1.41075	1.47643	0.0656504	0.735204	0.906659
Top3a	0.816853	0.699124	-0.224528	0.259284	0.608037
Shmt1_j2	0.0493765	0.0102326	-2.27065	0.111362	1
Tmem11_j1	17.8484	17.3837	-0.0380578	0.77082	0.922089
Tmem11	1.108	1.31127	0.243013	0.244036	0.591418
Gm16516	1.36459	2.02048	0.56623	0.0335938	0.200268
Gm16516_j1	0.450634	0.0558904	-3.01128	0.0331983	0.198786
Usp22_j1	18.7487	19.0844	0	1	1
Usp22_j3	3.08743	3.8416	0	1	1
Usp22	33.2639	32.0414	0	1	1
Aldh3a2_j1	6.84498	6.64235	0	1	1
Aldh3a2	11.6776	12.5236	0	1	1
Slc47a2_j4	0.0521831	0.0378187	-0.464481	0.741084	1
Slc47a2	0.841778	1.06634	0.341157	0.221963	0.569158

Rnf112_j6	0.123532	0	0	1	1
Rnf112_j5	0.197397	0	0	1	1
Rnf112_j4	5.04101	4.14634	0	1	1
Mapk7_j1	1.4533	1.84474	0.344089	0.230729	0.577701
Mapk7	2.9028	3.73029	0.361843	0.0362047	0.210104
Mapk7	0.787984	0.490582	-0.683672	0.0625918	0.296149
Epn2_j6	0.0528388	0.0504484	0	1	1
Epn2	4.23341	4.16378	0	1	1
Epn2	5.23814	4.94457	0	1	1
Prpsap2_j1	0.587241	0.507272	-0.211192	0.46531	0.765215
Ulk2	10.9542	10.2101	0	1	1
Akap10	4.58766	4.89448	0.0933997	0.35846	0.693858
Ncor1_j3	0.360518	0.337821	0	1	1
Ncor1_j2	2.11484	2.23087	0	1	1
BC046404	0.532541	0.62493	0.230802	0.351275	0.688409
Zfp287_j2	1.76955	1.63456	-0.114486	0.490194	0.77988
Zfp287_j4	1.61094	1.55157	-0.0541698	0.780133	0.925824
Zfp286_j3	0.222931	0.0288053	-2.9522	0.0169174	0.125322
Zfp286	0.92995	0.596425	-0.640812	0.0304358	0.187508
AK043365	0.336012	0.174694	-0.943681	0.12512	0.440627
XLOC_004917	0.121466	0.107653	-0.174169	0.837082	1
Hs3st3b1	0.307858	0.154666	-0.993105	0.0309756	0.189775
Cox10	1.44607	1.53244	0.0836969	0.608759	0.84604
Arhgap44_j9	3.04247	0	0	1	1
Arhgap44_j6	11.0343	9.22775	0	1	1
Map2k4_j3	3.93177	2.61626	0	1	1
Map2k4	29.1165	21.9143	0	1	1
Map2k4	8.31295	4.51459	0	1	1
Shisa6_j4	0.728008	0.888073	0.286724	0.303052	0.648824
2310004I24Rik_j3	1.09	0.925991	0	1	1
2310004I24Rik	1.68173	1.77	0	1	1
Ndel1	54.2396	53.613	0	1	1
Arhgef15_j3	0.242974	0.170447	-0.511479	0.296832	0.643452
Pfas_j3	0.150452	0	0	1	1
Pfas	0.270019	0.192933	0	1	1
Cntrob	3.15713	2.999	-0.074133	0.550481	0.815351
Chd3_j1	0.0592186	0	0	1	1
Chd3_j2	5.80169	1.5649	0	1	1
Tmem88	2.90775	2.69191	0	1	1
Kdm6b_j4	1.08323	1.09938	0	1	1
Kdm6b_j3	1.43325	0.752719	0	1	1
Kdm6b_j5	1.45164	0.434821	0	1	1
Dnahc2_j3	0.107199	0.00993372	-3.43182	0.210257	1
Dnahc2_j6	0.0757616	0	-1.79769e+308	0.0302322	1
Dnahc2_j11	0.0533909	0	-1.79769e+308	0.0432833	1
Wrap53	1.84574	2.12459	0.202989	0.250388	0.598108
Atp1b2_j1	12.2402	12.2698	0.00348546	0.979184	0.993951

Atp1b2	21.5159	21.6078	0.00614974	0.950034	0.985549
Supl15h	4.63476	4.11107	-0.172979	0.437887	0.747849
Mpdu1_j1	3.85939	4.32436	0.164112	0.469979	0.767944
Mpdu1	19.4926	19.8008	0.0226294	0.847838	0.951833
Eif4a1_j5	0.378767	0.476345	0	1	1
Eif4a1_j6	1.7491	1.93289	0	1	1
Senp3	15.9763	15.8795	-0.00876432	0.933472	0.979817
Polr2a	6.52831	5.79732	0	1	1
Fgf11	4.83911	7.41568	0.615837	2.35E-07	1.14E-05
Nlgn2	0.713353	0.905305	0.343787	0.116457	0.424494
Kctd11	3.25643	5.49541	0.754938	5.61E-09	4.12E-07
Acap1_j4	0.142802	0.0343836	-2.05422	0.336744	0.67717
Acap1_j5	0.243974	0.0536415	-2.18531	0.161774	0.496761
2810408A11Rik_j6	0.126694	0.059973	-1.07897	0.363938	1
Eif5a_j3	0.0333429	0.049626	0	1	1
Rai12_j1	4.39532	5.13352	0.223979	0.221326	0.56847
Acadvl	34.8073	34.1456	-0.0276915	0.766725	0.920466
Slc16a13_j5	0.291024	0.348122	0.258456	0.581821	0.832547
Slc16a13	0.20446	0 -1.79769e+308		2.04E-05	0.0005634
Bcl6b_j4	0.116991	0.0144599	-3.01627	0.24148	1
0610010K14Rik_j9	12.5997	14.8399	0.236098	0.0927817	0.374764
0610010K14Rik_j8	46.3113	46.2116	-0.00310882	0.975245	0.99287
Alox12_j1	0.0497408	0 -1.79769e+308		0.0357321	1
Alox12	0.573663	0.24989	-1.19891	0.0097401	0.0839896
Pelp1	2.50286	2.21248	-0.177913	0.232904	0.580139
Cxcl16	0.0262904	0.17794	2.75879	0.0006889	0.0105859
Vmo1_j3	0.136614	0.20404	0.578744	0.346614	0.685483
Slc25a11	41.5273	36.6297	-0.181046	0.0588581	0.285245
Camta2_j1	4.86798	5.29512	0	1	1
Camta2_j3	0.626958	0.648793	0	1	1
Nup88_j1	4.84398	5.15659	0	1	1
Nup88	9.53917	9.61662	0	1	1
C1qbp	15.6384	15.5093	0	1	1
Dhx33_j6	0.606164	0.200593	0	1	1
Dhx33	2.32488	1.88212	0	1	1
Derl2	2.11822	1.98686	0	1	1
6330403K07Rik	26.5042	25.2113	0	1	1
Pitpnm3	0.389578	0.202412	-0.944621	0.0120271	0.0983906
Pitpnm3_j6	0.0634225	0.0559727	-0.180271	0.821552	1
4933427D14Rik	1.42794	1.67257	0.228132	0.117666	0.426871
Med31_j1	11.1544	13.3149	0.255429	0.109021	0.410746
Med31	1.47564	1.43225	-0.0430581	0.813695	0.939177
Smtnl2	0.515895	0.345528	-0.578277	0.102629	0.396874
Spns2	0.351355	0.356173	0	1	1
Spns2_j2	5.72891	3.78064	0	1	1
Ctns	3.10892	2.98303	0	1	1
Aspa	17.3774	15.778	-0.139297	0.234251	0.581678

mKIAA1039_j5	0.111969	0	0	1	1
mKIAA1039_j6	6.70851	5.72022	0	1	1
Rap1gap2	11.3988	7.73733	0	1	1
Pafah1b1_j1	85.3095	72.4986	0	1	1
Pafah1b1_j3	88.2601	86.3214	0	1	1
Pafah1b1	23.0427	17.7905	0	1	1
Srr_j1	0	1.083	0	1	1
Srr_j2	3.46295	3.1618	0	1	1
Hic1	0.481202	0.339549	-0.503025	0.166765	0.503133
Ovca2	2.47747	3.69872	0	1	1
Dph1	7.10101	8.03326	0	1	1
Rpa1_j3	9.91026	5.29773	0	1	1
Rpa1	12.1688	9.26559	0	1	1
Serpinf1	56.2869	75.4426	0.422579	2.08E-06	7.84E-05
Wdr81	2.56946	2.84123	0.14505	0.236087	0.583364
Doc2b	0.466841	0.970762	1.05619	1.31E-07	6.80E-06
Fam101b	2.3006	2.58314	0	1	1
Vps53_j2	17.2624	13.596	0	1	1
Vps53	4.72005	4.3559	0	1	1
Gemin4_j1	0.260697	0.245187	-0.088491	0.765791	0.920003
Glod4	5.60439	5.25936	-0.0916709	0.507385	0.789644
Nxn_j2	0.849278	0.000413593	0	1	1
Nxn	3.9183	3.43245	0	1	1
Abr_j1	23.5545	26.5255	0	1	1
Abr_j9	13.1393	13.5279	0	1	1
Gosr1	7.09127	7.66097	0	1	1
Cpd	6.43911	5.7615	-0.160416	0.119197	0.429562
Ccdc55	4.55163	4.83047	0.0857809	0.510297	0.791044
Efcab5	0.0471214	0.0307588	-0.615384	0.62757	1
Efcab5_j10	0.11139	0.12595	0.177238	0.856374	1
Ankrd13b	1.87627	1.35114	0	1	1
Taok1_j6	0.505295	0.173881	0	1	1
Pipox	0.128942	0.21999	0.770721	0.344798	0.684393
Pipox_j7	0.420187	0.000144815	-11.5026	0.84305	0.950311
AK053376	0.573797	0.613962	0	1	1
Eral1	12.4331	12.1655	-0.0313929	0.784479	0.927523
Traf4	0.787356	0.838921	0.0915189	0.553634	0.817251
Nek8_j2	1.1297	1.37845	0	1	1
Nek8_j1	2.00597	1.83532	0	1	1
Rpl23a_j6	3.6506	4.40382	0	1	1
Supt6h_j4	1.81574	0.993384	0	1	1
Sarm1_j3	0.351904	0	0	1	1
Sarm1	9.24487	9.36079	0	1	1
Tmem199	17.2827	17.8188	0	1	1
Tnfaip1	1.14024	1.23118	0	1	1
Tnfaip1	0.751491	0.888293	0	1	1
Tmem97_j2	0.653722	0.555705	-0.234358	0.791147	0.930371

Nlk	9.88689	8.71683	-0.181714	0.086616	0.359714
Lgals9	6.6834	6.8741	0	1	1
Ksr1_j7	0.958093	0.79296	-0.272917	1	1
Ksr1_j6	0.0687938	0 -1.79769e+308		0.0008818	1
Ksr1_j18	0.951872	0 -1.79769e+308		1.06E-11	1.29E-09
Wsb1	10.56	10.564	0	1	1
Wsb1	9.6934	9.71497	0	1	1
Wsb1_j1	6.7001	6.81192	0	1	1
Omg	10.4844	5.92323	-0.823793	4.63E-08	2.75E-06
Utp6	9.45957	9.05727	-0.0626983	0.557934	0.819817
Crlf3_j2	3.33553	3.46628	0.0554737	0.810523	0.937901
Crlf3	5.82482	5.16914	-0.172289	0.232568	0.579683
1110002N22Rik	1.84783	1.54717	-0.256197	0.353847	0.690069
5730455P16Rik_j1	0.115669	0	0	1	1
5730455P16Rik	13.0686	10.717	0	1	1
Myo1d_j3	0.368262	0.300134	0	1	1
Myo1d	5.22794	4.25992	0	1	1
Accn1_j1	11.1894	9.74343	0	1	1
Ccl1_j1	0.549778	0.505249	-0.121855	0.791613	0.930476
Cct6b_j9	0.334808	0.0961639	-1.79977	0.0202592	0.142127
Cct6b_j10	0.225611	0 -1.79769e+308		1.79E-06	6.85E-05
Gm11423	0.244379	0.244733	0.00208757	0.998068	0.999228
Rffl_j4	1.6195	0.986772	-0.714761	0.0006218	0.0097715
Rffl	2.23537	2.28607	0.0323598	0.834916	0.946943
Rad51l3	4.71666	4.47819	-0.0748505	0.486202	0.777426
Nle1_j6	0.0933725	0.0224897	-2.05373	0.213176	1
Nle1	0.648671	0.772463	0.251979	0.273842	0.623001
Nle1_j7	1.89446	2.03722	0.10481	0.674137	0.877053
Mmp28_j3	0.236715	0.0728654	0	1	1
Mmp28	1.40806	1.21672	0	1	1
Ccl5	0.839843	1.57732	0.909282	0.0206635	0.144092
Ccl9	0.324067	1.21003	1.90067	6.79E-07	2.97E-05
Ccl6	0.631413	1.09258	0.791078	0.0079314	0.0721597
Dusp14	2.87598	2.43717	-0.238843	0.304051	0.649781
Tada2a_j4	1.56561	1.66777	0	1	1
Tada2a	3.10107	2.59912	0	1	1
Aatf	4.42012	5.63381	0.350026	0.0262127	0.169964
Aatf_j1	2.07551	2.24992	0.116406	0.610541	0.846532
Mrm1_j2	1.18319	1.19757	0.0174293	0.958721	0.988082
Mrm1	2.66687	3.46772	0.378843	0.0184841	0.133518
Dhrs11_j1	0.0810247	0 -1.79769e+308		0.0202025	1
Dhrs11	2.56927	2.15617	-0.252885	0.288704	0.636345
Ggnbp2_j9	2.99816	3.08034	0.0390104	0.819456	0.941524
Ggnbp2_j6	2.82922	1.84516	-0.616654	0.0104228	0.0881454
Znhit3	0.234834	0.178117	-0.398819	0.725035	0.902318
Usp32_j4	17.5904	14.6833	0	1	1
Usp32_j2	1.04527	0.497149	0	1	1

Usp32	12.2728	9.55502	0	1	1
Appbp2	3.49159	3.03926	0	1	1
XLOC_005083	0.0851004	4.69E-05	-10.8267	0.944327	1
XLOC_005083	0.0526118	0.0276682	-0.92716	0.479178	1
AK135737_j1	0.134177	0.19139	0.512379	0.369763	0.703204
Ints2_j3	1.89126	2.16329	0.193884	0.215761	0.561549
Ints2	0.118342	0.278495	1.23469	0.0005667	0.0090474
Med13	1.48273	1.06701	0	1	1
Rps6kb1	3.51979	3.46396	0	1	1
Cltc	55.4427	57.5367	0	1	1
Cltc_j4	0.429916	0.130925	0	1	1
Dhx40	8.51509	7.71141	-0.143027	0.189066	0.530662
Ypel2	3.02127	2.4308	-0.313724	0.0277755	0.176624
Gdpd1_j1	9.41125	10.1574	0.110071	0.446922	0.753618
Gdpd1	9.81654	11.6309	0.244681	0.0345171	0.203951
1200011M11Rik	5.0367	4.95891	-0.0224549	0.864866	0.956985
Ppm1e	7.53581	3.7313	0	1	1
Rad51c	0.662392	0.481363	-0.460559	0.131625	0.451625
Dynll2	321.592	291.063	-0.143899	0.107675	0.407901
Msi2_j2	0.615105	0.859249	0	1	1
Msi2_j4	0.748268	0.196998	0	1	1
Msi2	3.75233	3.32629	0	1	1
Msi2	4.1338	3.8555	0	1	1
Akap1	5.91872	6.99459	0.240953	0.0389754	0.220157
Scpep1_j1	0.591328	4.10702	0	1	1
Scpep1	19.007	35.4464	0	1	1
Dgke	4.75032	3.754	0	1	1
Pctp	5.24767	2.80925	-0.901495	5.59E-07	2.49E-05
Hlf	0.0997604	0.000141017	-9.46645	0.774569	1
Hlf	0.68705	0.479902	-0.517675	0.0547851	0.273012
Stxbp4	1.41283	1.28345	-0.138555	0.377862	0.709468
Tom1l1	3.39474	3.63578	0.0989623	0.433124	0.744598
Utp18	1.81515	2.04874	0.174647	0.350676	0.687982
Nme1_j4	1.1631	0	-1.79769e+308	0.0003461	0.005999
Wfikkn2_j1	0.0990719	0.0565164	-0.809805	0.447879	1
Luc7l3_j1	0.276375	0.192395	0	1	1
Luc7l3_j2	3.24634	3.20745	0	1	1
Luc7l3_j5	1.1776	0.912109	0	1	1
Abcc3_j3	0.6132	0.423529	-0.5339	0.462359	0.763237
Abcc3_j4	0.282706	0.460708	0.70455	0.263805	0.612637
Abcc3	0.197722	0.1458	-0.439478	0.383156	0.712878
Epn3_j1	1.00527	0.726032	0	1	1
Epn3	4.41647	2.55195	0	1	1
Rsad1_j8	0.0741503	0.0222688	0	1	1
Rsad1	0.427773	0.335108	0	1	1
Acsf2_j6	0.133017	0.08966	-0.56907	0.487864	1
Acsf2_j7	0.352816	0.268233	-0.395431	0.569138	0.825749

Eme1_j2	0.0780363	0.0449366	-0.796255	0.429865	1
Xylt2	0.896802	0.715625	-0.325587	0.082447	0.34984
Pdk2	0.314885	0.307999	-0.0318956	0.909117	0.971253
Itga3_j2	1.16502	0.583629	-0.997229	0.0143981	0.111703
Itga3_j3	0.507685	0.243543	-1.05976	0.0002037	0.0038977
Itga3_j10	0.0498031	0.0198126	-1.32982	0.495103	1
Myst2_j1	6.50599	7.9294	0	1	1
Myst2_j2	9.78062	11.3827	0	1	1
Myst2_j3	4.98525	3.45182	0	1	1
Myst2	12.4918	11.4239	0	1	1
Nxph3	3.20613	3.48488	0.120274	0.50957	0.790813
Ngfr_j1	16.5863	3.30009	0	1	1
Ngfr	108.232	89.2841	0	1	1
Abi3	0.769758	0.689084	-0.159724	0.526153	0.800979
Ube2z	13.3363	12.2269	0	1	1
Atp5g1_j1	11.5323	11.6032	0.00884183	0.928285	0.977872
AK002860_j1	0.293504	0.212851	-0.463539	0.594264	0.83843
Snx11_j6	0.510935	0	0	1	1
Snx11	8.50082	7.8089	0	1	1
Snx11	4.01191	3.68394	0	1	1
Nfe2l1_j1	0.773715	0.690942	0	1	1
Nfe2l1_j2	4.55777	3.46739	0	1	1
Cdk5rap3	9.10677	8.6977	-0.066306	0.616472	0.848853
Pnpo	10.1784	9.23018	-0.141074	0.234688	0.582023
Sp2	1.00975	1.03138	0.0305701	0.912107	0.972315
Tbkbp1_j4	3.78968	3.8337	0	1	1
Tbkbp1_j3	2.57877	2.43711	0	1	1
Tbkbp1_j2	0	0.26929	0	1	1
Kpnb1	3.75549	3.62888	0	1	1
Npepps	24.7227	22.4126	0	1	1
Gpr179_j1	0.266394	0.170669	-0.642354	0.0730824	0.325521
Srcin1_j9	0.4787	0.698947	0	1	1
Srcin1_j14	0.0527596	0	0	1	1
Srcin1_j15	0.563086	0.297015	0	1	1
E130012A19Rik	0.445709	0.498208	0.160646	0.62165	0.851843
AK155239	4.58372	1.67138	0	1	1
Pcgf2_j5	0.228107	0.19455	-0.229571	0.677016	0.878636
Cwc25	4.47709	4.54951	0	1	1
Rpl23_j2	1.00445	1.28933	0.360206	0.432863	0.744519
Rpl23_j1	2.65976	2.81691	0.0828203	0.781873	0.926329
Rpl23_j3	2.10441	2.88409	0.454701	0.134147	0.455891
Plxdc1	0.538673	0.698681	0.375224	0.257735	0.606502
Plxdc1_j4	0.054447	0.1341	1.30039	0.154672	1
Arl5c	0.147677	0.100953	-0.548768	0.636379	0.859038
Cacnb1	13.0511	15.0356	0	1	1
Stac2_j3	2.80993	4.45485	0.664842	0.0031313	0.0356669
Stac2	24.484	24.2287	-0.0151197	0.872965	0.959782

Fbxl20	3.8992	3.4932	0	1	1
Fbxl20_j1	1.09824	1.52757	0	1	1
Fbxl20	1.31364	0.732591	0	1	1
Med1_j2	0.510084	0	0	1	1
Med1_j8	0.565107	0.582842	0	1	1
Med1_j7	0.732069	0.840461	0	1	1
Pgap3	1.02564	1.19323	0	1	1
Pgap3_j1	3.04551	2.19199	0	1	1
1810046J19Rik_j3	32.8323	40.1087	0	1	1
Ikzf3_j2	0.154993	0.0766667	-1.01554	0.342504	0.682278
Ikzf3_j1	0.133728	0.0458017	-1.54583	0.176776	1
Ormdl3	20.2458	22.3773	0.144412	0.157662	0.491756
Med24_j3	2.42095	5.34035	0	1	1
Med24_j2	8.01265	3.35651	0	1	1
Nr1d1_j1	1.49947	1.24167	-0.272169	0.129824	0.448824
Top2a_j3	0.338678	0.0655029	-2.37028	0.129273	0.448145
Top2a_j4	0.104093	0.0637228	-0.707991	0.574642	1
Smarce1_j2	0.836029	1.06321	0	1	1
Krt222	1.96748	1.31699	0	1	1
Krt222	5.68196	3.92526	0	1	1
Krt26_j1	0.074567	0.111255	0.57726	0.588299	1
Krt27_j1	0	0.243232	1.79769e+308	0.0165529	0.123391
Krt10_j1	2.77278	2.69244	-0.04242	0.918593	0.974658
Krt19_j3	0.494517	1.19727	1.27565	0.0233489	0.156652
Krt19	0.446526	1.30498	1.54721	1.91E-06	7.26E-05
Krt9_j2	0.0841208	0.132442	0.654822	0.507029	1
Hap1_j6	1.102	0.960984	0	1	1
Hap1_j7	0.503905	0	0	1	1
Hap1	1.55401	1.25326	0	1	1
Jup_j2	2.34665	7.31072	0	1	1
Jup	33.4663	33.4749	0	1	1
Leprel4	1.66323	1.76923	0.0891324	0.685046	0.882455
Nt5c3l	11.9622	12.4583	0.058628	0.664871	0.873063
Klhl11	10.0395	7.64286	-0.393505	4.67E-05	0.0011262
Acly_j3	10.8209	5.2535	0	1	1
Acly	65.2157	68.8975	0	1	1
Dnajc7_j3	0.361926	0.312945	-0.209787	0.47123	0.76878
Dnajc7_j10	0.0532812	0.0227173	-1.22984	0.350968	1
Dhx58_j1	0.362552	0	-1.79769e+308	8.62E-08	4.71E-06
Dhx58	0.632158	0.970877	0.619002	0.0257885	0.168001
Kat2a_j3	2.09311	4.23796	0	1	1
Kat2a	13.7859	14.6248	0	1	1
Rab5c_j1	42.125	45.0888	0	1	1
Rab5c	16.2262	16.9326	0	1	1
Ghdc	2.84896	4.54105	0	1	1
Stat5b_j2	2.69346	3.66384	0	1	1
Stat5b	5.19995	5.48588	0	1	1

Stat5b_j4	1.93892	3.16128	0	1	1
Stat3_j1	46.4221	57.2691	0	1	1
Stat3	42.7634	44.1768	0	1	1
Stat3	11.946	15.4365	0	1	1
Stat3	7.29481	6.7225	0	1	1
Ptrf	1.83588	2.46012	0.42226	0.0081629	0.0737159
Psmc3ip	0.489697	0.420478	0	1	1
Fam134c	3.45013	3.3786	0	1	1
Plekhh3_j7	0.369786	0 -1.79769e+308		2.19E-08	1.42E-06
Ezh1_j1	0.5803	0.475627	0	1	1
Ccdc56	20.1433	21.2868	0.0796582	0.428503	0.742369
Becn1	57.8064	59.455	0.0405694	0.644247	0.862839
Aarsd1_j1	12.9604	14.3165	0	1	1
Aarsd1	3.75895	3.59083	0	1	1
1700113I22Rik_j4	0.0805544	0.0566789	-0.507151	0.740467	1
Vat1	50.9108	63.4106	0	1	1
Etv4_j1	0.416568	0.370154	-0.170426	0.683278	0.881397
Etv4_j3	0.8167	0.384462	-1.08697	0.0056889	0.0560494
Etv4_j5	0.138426	0.0734891	-0.913517	0.362001	0.696369
Meox1	0.185441	0.317327	0.775009	0.103419	0.398633
Dusp3_j1	8.9299	8.64363	0	1	1
Dusp3	33.3733	32.3478	0	1	1
Mpp3	1.95022	2.05423	0.0749612	0.681379	0.880288
Mpp2	3.7532	3.36236	0	1	1
Tmem101_j1	4.77982	6.2008	0	1	1
Tmem101	8.04547	6.44613	0	1	1
Lsm12	2.06442	2.32769	0.173164	0.486213	0.777426
Hdac5_j2	0.346195	0	0	1	1
Atxn7l3_j6	0.903352	0.785789	0	1	1
Atxn7l3	2.31361	0.480644	0	1	1
Ubtj_j6	0.180988	0	0	1	1
Ubtj_j7	0	0.0926727	0	1	1
Ubtj_j10	0.247771	0.290753	0	1	1
Slc25a39	7.09286	8.31006	0	1	1
Fam171a2_j2	2.97634	3.77331	0.34229	0.0659349	0.306374
Fam171a2	13.8517	15.9655	0.204894	0.053226	0.268469
Gpatch8_j5	2.50081	2.07258	0	1	1
Gpatch8	1.43693	1.12852	0	1	1
Ccdc43	0.573258	0.347018	-0.724173	0.0424455	0.232829
Gjc1	0.206533	0.07019	-1.55704	0.0928445	0.374785
Gjc1	0.127841	0.197804	0.629725	0.336785	0.677225
Eftud2_j3	2.92519	1.98602	0	1	1
Eftud2	7.54075	7.16458	0	1	1
1700023F06Rik_j1	0.526399	0.363738	-0.533257	0.0737555	0.327316
1700023F06Rik_j4	1.1788	1.15167	-0.0335947	0.922832	0.975936
Map3k14_j4	0.738197	1.38743	0.910338	0.0066893	0.0635533
Map3k14	1.13089	1.09244	-0.0499022	0.81123	0.938053

Arhgap27_j1	2.94304	1.1636	0	1	1
Plekhn1	0.846552	0.749497	0	1	1
Gosr2	2.00527	1.79789	0	1	1
Gosr2_j2	0.296588	0.354708	0	1	1
Nsf_j5	72.1572	74.0464	0	1	1
Nsf	97.6414	83.7775	0	1	1
1700081L11Rik_j5	3.88644	3.97839	0	1	1
1700081L11Rik_j4	0.105072	0.253747	0	1	1
1700081L11Rik_j2	1.47891	1.02911	0	1	1
Cdc27	3.10876	2.63221	0	1	1
Cdc27	4.87046	4.34821	0	1	1
Cyb561_j3	2.01029	1.53108	0	1	1
Cyb561	3.11078	3.44819	0	1	1
Limd2	2.04895	2.11125	0	1	1
Strada	10.2199	7.69467	0	1	1
Strada_j1	2.85104	3.8458	0	1	1
Ccdc47	21.5523	21.4129	0	1	1
Cd79b	0.149583	0.342392	1.1947	0.0430301	0.235227
Scn4a_j1	0.54581	0.822061	0	1	1
Scn4a_j2	0.973158	0.379234	0	1	1
Icam2	0.987491	1.28471	0.379609	0.203636	0.547888
Ern1	0.772424	1.0013	0	1	1
Tex2_j1	15.85	21.8257	0	1	1
Tex2_j2	1.00277	2.33865	0	1	1
Tex2	27.7447	23.8546	0	1	1
Pecam1_j2	0.641598	0.453021	0	1	1
Pecam1	0.568629	0.271302	0	1	1
Pecam1	0.32757	0.649118	0	1	1
Pecam1	1.17542	0.928429	0	1	1
Polg2	0.497639	0.541374	0.121524	0.794879	0.931484
Polg2_j1	0.125768	0.0645781	-0.961651	0.461556	1
Ddx5_j2	24.3229	24.98	0	1	1
Smurf2_j3	0.234057	0.111605	0	1	1
Smurf2	0.760741	0.734397	0	1	1
Bptf_j5	0.24188	0.243485	0.00954398	0.974545	0.992738
Nol11	4.81714	5.13043	0.0909033	0.463084	0.763471
Pitpnc1_j1	20.1534	13.3151	0	1	1
Pitpnc1	16.8947	13.6667	0	1	1
Cacng4	2.24468	1.89501	-0.2443	0.172485	0.510021
Cacng5	7.46064	7.07689	-0.076184	0.49772	0.783786
Prkca_j1	11.5147	7.49113	0	1	1
Prkca_j2	0.268382	0.0223939	0	1	1
Rgs9	1.92911	1.67057	-0.207594	0.127925	0.445674
Wipi1	3.28312	3.04772	0	1	1
Fam20a_j2	1.61166	1.39535	-0.207922	0.467438	0.766717
Fam20a_j1	0.318337	0.271219	-0.2311	0.63512	0.858471
Abca8a	21.657	16.2232	0	1	1

Abca6	11.6382	7.77381	-0.582176	5.44E-10	4.78E-08
Abca5	8.29538	4.98302	0	1	1
Abca5_j1	1.53422	0.696211	0	1	1
XLOC_005302	0.0689872	0.0827111	0.261753	0.777976	1
XLOC_005303	5.53E-05	0.0976314	10.7855	0.946181	1
2610035D17Rik_j2	1.84477	1.03214	0	1	1
2610035D17Rik	2.83358	2.97352	0	1	1
2610035D17Rik	1.8776	1.86532	0	1	1
D11Wsu99e_j2	0.537535	0.978305	0	1	1
Cdc42ep4	4.97794	6.1142	0	1	1
Sdk2_j5	1.30677	1.7011	0.380466	0.0486765	0.254145
Sdk2	0.312589	0.382756	0.292158	0.221005	0.568055
AF251705	0.039046	0.110009	1.49437	0.283563	1
MAIR-IIa	0.0241134	0.120621	2.32257	0.179562	1
Nat9_j1	3.96942	3.64063	-0.12474	0.545747	0.812617
Nat9	5.85074	6.93309	0.24488	0.158151	0.492398
Fdxr_j7	0.888794	0.943907	0	1	1
Fdxr_j4	1.34449	0.95196	0	1	1
Fdxr_j6	1.7519	1.42273	0	1	1
Fads6_j1	0.943067	1.03012	0.127382	0.728032	0.903627
Fads6	5.33346	4.53695	-0.233349	0.144039	0.471055
Ush1g	3.14216	2.83002	-0.150946	0.290649	0.638061
C630004H02Rik	16.1278	19.5381	0	1	1
Nt5c	14.4102	15.6053	0.114945	0.262103	0.611283
Hn1	90.6642	166.245	0.874702	0	0
Gga3_j6	0.238489	0.520421	0	1	1
Gga3_j7	0.1905	0.0669626	0	1	1
Gga3_j8	0.176824	0.0660268	0	1	1
Slc25a19	12.7506	13.3397	0	1	1
Caskin2_j1	1.24074	1.0742	0	1	1
Caskin2	3.2248	3.45934	0	1	1
Recql5_j6	0.935892	0.118812	-2.97766	0.0001388	0.0028136
Recql5	3.46279	3.03359	-0.190908	0.194521	0.536769
Recql5_j7	0.398327	0.0662695	-2.58754	0.0007291	0.0110887
Galk1	2.6154	3.14758	0.267213	0.0610697	0.29158
H3f3b_j3	0	0.0742194	1.79769e+308	0.0978397	1
Unc13d_j1	0.357201	0.334216	-0.0959548	0.847136	0.951638
Unc13d_j10	0.112982	0.0500897	-1.1735	0.202668	1
Unc13d_j9	0.332294	0.449215	0.434946	0.187474	0.528396
Wbp2_j1	0.925873	1.06882	0	1	1
Wbp2	86.6368	75.2559	0	1	1
Trim47_j2	0.970907	2.0104	1.05008	0.000982	0.0140902
Trim47	0.672419	1.1787	0.80976	0.0008127	0.0121184
Mrpl38	22.121	24.0494	0.120582	0.27557	0.624571
Fbf1_j12	1.14694	2.16238	0	1	1
Acox1	12.4052	11.1825	0	1	1
Srp68_j3	9.66059	9.74299	0	1	1

Srp68	11.5924	11.5861	0	1	1
Exoc7	0.0742244	0.0968954	0	1	1
Exoc7_j7	0.047899	0	0	1	1
Rnf157_j7	0.195968	0.0498087	0	1	1
Prpsap1	14.4632	12.7739	0	1	1
Ube2o_j2	0.404123	0.193745	0	1	1
Ube2o	39.416	31.8203	0	1	1
Rhbdf2_j2	0.434981	0.266081	-0.709085	0.104884	0.402019
Cygb	8.12564	4.74257	0	1	1
Cygb_j1	12.814	8.26939	0	1	1
St6galnac2_j5	0.219786	0.315114	0.519773	0.289089	0.63673
St6galnac2	0.0390757	0.331009	3.08253	0.0034451	0.0384592
Mxra7	10.7902	12.0347	0.157481	0.176092	0.514713
Srsf2	16.977	14.7457	-0.203286	0.052654	0.266519
AK086245_j1	0.173146	0.15048	-0.202414	0.798512	0.933125
Tmc6	1.32224	1.28374	0	1	1
Tmc6_j3	0.211063	0.0873387	0	1	1
Tk1_j1	0.428218	0.339605	-0.334488	0.219436	0.566003
Tha1_j1	0.237059	0.286899	0.275295	0.700111	0.8896
Tha1	1.75126	1.50735	-0.216379	0.392743	0.718932
Socs3_j1	1.98515	5.13107	0	1	1
Socs3	1.05989	1.99486	0	1	1
Socs3_j2	1.51766	1.38372	0	1	1
XLOC_005363	0.586508	0.331275	-0.82412	0.385426	0.714041
XLOC_005363	0.882444	1.21059	0.456131	0.429405	0.742688
XLOC_005363	0.357279	0.3027	-0.239164	0.797628	0.932743
Cyth1_j1	1.6031	2.50517	0	1	1
Cyth1_j4	7.24025	4.91492	0	1	1
Usp36_j1	0.377886	0.20308	0	1	1
Usp36_j2	1.0666	0.606744	0	1	1
Timp2	58.9353	47.8706	0	1	1
Lgals3bp_j1	2.22004	2.04002	-0.122005	0.507977	0.789986
Cant1	5.00162	4.78457	0	1	1
Cant1	5.19536	4.59151	0	1	1
Cant1	2.92335	3.25215	0	1	1
Rbfox3_j5	2.37891	5.69554	0	1	1
Rbfox3_j2	4.256	3.99606	0	1	1
Cbx8	1.99578	1.95857	-0.0271574	0.868339	0.958268
Cbx4	12.061	10.2486	-0.234918	0.041889	0.231058
Tbc1d16_j3	0.383901	0.451412	0	1	1
Tbc1d16	1.31758	0.984995	0	1	1
Tbc1d16_j4	0.327364	0.113932	0	1	1
Eif4a3_j1	5.65336	6.2896	0.153858	0.325077	0.668265
Sgsh	0.790625	0.793661	0.00553077	0.978245	0.993756
Nptx1	8.27153	5.09035	-0.700389	1.58E-10	1.54E-08
XLOC_005382	0.154048	0.14591	-0.0783057	0.8991	0.96767
Aatk_j9	8.49697	8.74821	0	1	1

Aatk	6.40651	3.72097	0	1	1
Aatk	1.16071	0.148985	0	1	1
Azi1	3.34743	3.98117	0.250137	0.0645121	0.301835
2410002I01Rik_j2	0.158445	0	0	1	1
2410002I01Rik	0.998409	1.03768	0	1	1
Slc38a10_j7	0.115697	0.201526	0	1	1
Slc38a10_j9	2.30503	2.32339	0	1	1
Slc38a10	8.48111	8.77831	0	1	1
Slc38a10_j8	1.98012	1.06927	0	1	1
2810410L24Rik_j4	0.195648	0.180116	-0.119331	0.849541	0.952228
AK013668	0.553112	0.494287	-0.162221	0.700503	0.889857
Nploc4_j1	6.13345	6.43071	0	1	1
Fam195b	53.4959	58.131	0.119881	0.210898	0.555618
P4hb_j3	0.622468	0.360421	0	1	1
P4hb	10.7761	11.65	0	1	1
Arhgdia_j1	0.365881	0.0744317	0	1	1
Arhgdia	265.103	314.307	0	1	1
Thoc4_j2	0.352505	0.398851	0.178208	0.536637	0.807022
Thoc4	1.36186	1.38907	0.0285414	0.839207	0.948853
Pcyt2_j8	0.667754	0.915387	0	1	1
Sirt7_j12	0.362325	0.654974	0	1	1
Pycr1	0.726922	1.05237	0	1	1
Myadml2	0.583241	0.3184	-0.873252	0.0536634	0.26987
Notum_j1	0.134202	0.0437198	-1.61805	0.109427	1
Dcxr	0.170694	0.25959	0.604824	0.395702	0.720784
Dcxr_j1	1.02269	1.07428	0.0709927	0.803741	0.934916
Cbr2	1.96022	5.20013	1.40754	9.83E-12	1.20E-09
Dus1l_j1	5.34721	5.23959	0	1	1
Fasn_j3	0.131368	0.19435	0.565038	0.168138	0.504812
Ccdc57_j4	0.104812	0.181004	0.788222	0.331977	0.673438
Ccdc57_j8	0.287566	0.127746	-1.17061	0.0628792	0.296948
Ccdc57_j11	0.260555	0.0931573	-1.48384	0.395835	0.720827
Ccdc57_j12	0.179644	0.113199	-0.666285	0.382483	0.712488
Csnk1d	18.3298	18.3187	0	1	1
Sectm1b	0.123975	0.557195	2.16814	0.001262	0.0172303
Sectm1b	1.33117	2.73487	1.03878	9.06E-07	3.80E-05
BC017643	8.05346	8.00464	0	1	1
Wdr45l_j2	3.39021	1.78737	0	1	1
Wdr45l_j1	15.9533	14.4129	0	1	1
Wdr45l	3.3814	3.69139	0	1	1
Rab40b	0.520615	0.966839	0.89306	0.005002	0.0507481
Rab40b_j1	0.252418	0 -1.79769e+308	0.0001463	0.0001463	0.0029503
Pisd-ps1_j2	1.88773	6.16855	0	1	1
Eif4enif1_j1	0.126404	0.122677	0	1	1
Eif4enif1_j3	2.1594	1.84775	0	1	1
Patz1	3.70873	3.71438	0	1	1
mazr_j4	1.7332	1.46905	0	1	1

Pla2g3	6.02984	5.88772	0	1	1
Pes1_j5	0	0.0614044	1.79769e+308	0.198653	1
Gal3st1	1.41894	1.10966	0	1	1
Gal3st1	2.88003	3.45392	0	1	1
Ascc2_j6	2.67417	3.47276	0	1	1
Zmat5	2.12869	3.2824	0.624785	0.0003227	0.0056848
Ap1b1	44.3643	40.803	0	1	1
Ap1b1_j1	8.61372	7.51129	0	1	1
Ap1b1_j2	15.7953	17.8329	0	1	1
XLOC_003916	0.0838965	0.0277836	-1.59438	0.578884	1
Dbnl_j1	0.0681758	0.0761782	0	1	1
Aebp1	1.01825	1.3132	0.366993	0.0745726	0.329421
Ogdh	26.6551	22.1872	0	1	1
Ogdh_j6	25.3943	26.7087	0	1	1
XLOC_003924	0.164207	0.147099	0	1	1
Zmiz2_j6	2.69693	2.64184	0	1	1
Zmiz2_j8	12.8532	14.1135	0	1	1
Zmiz2_j13	1.47982	2.15179	0	1	1
XLOC_003926	0.156804	0.104456	-0.586068	0.531162	0.803433
Ccm2	0.232292	0.266955	0	1	1
Egfr_j3	0.0734479	0.314779	2.09954	0.148202	0.477037
Ppp3r1_j1	1.29202	1.28889	0	1	1
Ppp3r1_j2	27.9569	31.0666	0	1	1
Spred2_j1	1.7998	1.1459	0	1	1
Tmem17_j2	3.26592	3.08241	-0.0834345	0.737105	0.907482
Cct4	39.7055	43.9344	0	1	1
Fam161a_j2	0.294161	0.293921	-0.00117804	0.997996	0.999228
Xpo1_j2	6.05703	6.58751	0	1	1
Xpo1_j8	6.2551	7.61175	0	1	1
Usp34_j4	0.220385	0.257116	0.222396	0.782103	0.926378
Usp34_j5	1.21761	1.2179	0.000334492	1	1
Pus10	1.0967	0.73749	0	1	1
Bcl11a	0.323551	0.0378622	-3.09516	0.0467858	0.248134
Bcl11a_j1	0.060581	0	-1.79769e+308	0.0814973	1
Gm12082_j1	0.0334568	0.0960852	1.52201	0.500687	1
Efemp1_j1	1.45868	1.67336	0.198086	0.531876	0.80382
Smek2_j1	1.88111	1.93509	0.040811	0.77393	0.923306
Mtif2_j2	1.58108	1.17547	0	1	1
Mtif2_j4	0.000157669	0.162496	0	1	1
Gm8098_j1	0	0.292342	1.79769e+308	0.0065323	0.0624382
XLOC_003978	0.0597061	0.118399	0.98771	0.67855	1
XLOC_003980	0.124602	0.0861397	-0.532578	0.630502	1
Sh3pxd2b_j4	1.30993	1.52786	0	1	1
Stk10_j2	0.0857077	0.0517737	-0.727206	0.385611	1
Kcnmb1	31.9599	21.6753	-0.560214	5.35E-07	2.40E-05
XLOC_004009	0	0.078456	1.79769e+308	0.0949754	1
C1qtnf2_j1	0.353804	0.439903	0.314237	0.618297	0.850061

Pwvwp2a	0.573097	0.619163	0.111539	0.714888	0.896766
Rnf145_j1	1.19647	1.13005	0	1	1
Trim7_j2	0.340461	0.243048	0	1	1
Trim7_j1	0.30442	0.302146	0	1	1
Olf1r56_j1	0.960235	0.607401	-0.660739	0.113826	0.419484
Mapk9_j4	0.309182	3.6112	0	1	1
Rasgef1c_j2	0.0557074	0 -1.79769e+308		1	1
Hnrnp1	34.5902	36.7003	0.0854302	0.381272	0.711819
Adamts2_j4	0.139001	0.13621	-0.0292696	0.965494	0.990079
Clk4_j8	1.90501	1.29888	0	1	1
Agxt2l2_j5	3.42263	3.60568	0.0751681	0.646207	0.863593
Ppp2ca_j3	0.649847	0.38435	0	1	1
Skp1a_j4	211.25	266.624	0	1	1
Skp1a_j5	452.594	444.224	0	1	1
Vdac1_j7	99.6644	114.546	0	1	1
Shroom1_j3	0.117221	0.138939	0.245218	0.707469	1
Sept8_j5	14.4966	13.0568	-0.150914	0.268423	0.617271
Kif3a_j4	16.2998	13.4843	0	1	1
Irf1_j2	4.49192	3.74654	-0.261774	0.171141	0.507955
P4ha2_j1	0.0441728	0.681108	0	1	1
G3bp1_j5	0.273944	0.120893	0	1	1
Mfap3	1.95612	1.93696	0	1	1
Larp1_j3	0.0786724	0.112365	0	1	1
Cnot8_j1	0.419117	0.000909904	0	1	1
Mrpl22_j1	4.17557	5.026	0.267435	0.52631	0.801005
Mrpl22_j2	0.824957	0.370106	-1.15638	0.121522	0.434092
Irgm2_j1	0.940136	0.568604	0	1	1
Igtp_j1	10.5001	7.72502	0	1	1
Igtp_j4	0.752855	2.10839	0	1	1
Igtp_j6	0.419337	0.440254	0	1	1
Zfp692-ps_j6	0.0769327	0.0654786	-0.232572	0.751298	1
Zfp692-ps	0.0719273	0.0443782	-0.696689	0.432415	1
Zfp692-ps_j5	0.000221244	0.164655	9.53959	0.50978	0.790859
Sh3bp5l	2.08024	1.92609	0	1	1
4933439C10Rik	2.00722	2.03995	0	1	1
Rai1	1.06966	0.764486	-0.484587	0.017529	0.128505
Rai1_j3	4.67916	5.15525	0.139794	0.594379	0.838496
Drg2	25.6538	27.2724	0.08827	0.381847	0.712127
Myo15_j5	0.0672527	0 -1.79769e+308		0.0153058	1
Myo15_j8	0.107132	0 -1.79769e+308		0.0055926	1
Myo15_j13	0.0661457	0 -1.79769e+308		0.0378591	1
Myo15_j14	0.2867	0.0771779	-1.89328	0.0955166	0.381511
Llg1_j3	0.072753	0.0381563	-0.931085	0.460043	1
Dhrs7b_j1	7.33806	6.56207	-0.161248	0.506223	0.788746
Dhrs7b	0.0863543	0.166514	0.947299	0.101713	0.395032
Map2k3_j2	1.56942	1.11463	-0.493672	0.129952	0.44894
Tnfrsf13b_j1	0.362696	0.257647	-0.493365	0.286132	0.634849

B9d1_j4	2.55511	2.48087	-0.0425373	0.895213	0.966918
B9d1_j6	0.450405	0.249853	-0.85014	0.416612	0.733896
Specc1	0.782718	0.648656	0	1	1
Pigl	1.20164	0.912309	0	1	1
Pigl_j1	1.54856	1.60842	0	1	1
2410006H16Rik_j1	0.348077	0.950477	1.44924	0.0004982	0.0081195
Mmgt2	1.31862	1.60518	0.283702	0.381276	0.711819
Fbxw10_j6	0.138215	0.029604	-2.22305	0.246999	0.594488
Pmp22_j2	123.169	129.099	0	1	1
2810001G20Rik	2.14273	2.40822	0.16852	0.473853	0.770243
Elac2_j1	0.585824	1.44106	0	1	1
Elac2_j4	0.715711	0.959787	0	1	1
Pirt_j3	118.481	105.483	0	1	1
Pirt_j4	36.3246	44.4641	0	1	1
9130409J20Rik_j5	0.271257	0.267855	-0.0182077	0.976467	0.993154
Myh8_j1	0.232981	0.11583	-1.0082	0.41939	0.736103
Pik3r5_j2	0.171983	0.199512	0.214212	0.714147	0.896527
Myh10_j3	0.0631695	0.209885	0	1	1
Rpl26	0.268787	0.345397	0.36179	0.420634	0.736821
Rpl26_j2	32.2473	38.4813	0.254977	0.100663	0.392857
Slc25a35_j1	0.505055	0.56926	0	1	1
1500010J02Rik_j6	0	0.36297	0	1	1
1500010J02Rik	0.613778	1.68216	0	1	1
Tmem107_j3	2.83451	3.19408	0.172302	0.593239	0.83794
Vamp2_j2	34.6771	37.7575	0	1	1
Per1_j7	0.249573	0.109222	-1.1922	0.236638	0.583799
Alox12b_j1	0.131022	0.0693567	-0.917702	0.569955	1
Trp53_j3	0.200065	0.20603	0.0423861	0.945164	0.983703
Trp53_j7	0.0370024	0.260107	2.81341	0.0807304	0.345869
Sat2_j2	0.160882	0.212461	0.401198	0.584124	0.833298
Zbtb4_j2	3.69839	3.49792	0	1	1
1810027O10Rik	68.1692	91.2877	0.4213	0.0002626	0.0048012
Plscr3	20.4193	25.9296	0	1	1
Plscr3_j1	1.17453	1.88376	0	1	1
Neur14_j2	1.09298	0.853756	-0.356377	0.176672	0.515572
Gps2_j3	2.31522	2.46417	0	1	1
Ybx2_j2	0.220328	0.0987684	-1.15753	0.228596	0.575633
Ybx2_j5	0.040086	0.0868561	1.11553	0.356668	1
Ctdnep1_j3	0.0739867	0 -1.79769e+308		0.0013377	1
Gabarap_j1	2.32183	0 -1.79769e+308		2.44E-05	0.000649
Phf23	4.24374	5.48757	0.370833	0.0494342	0.256513
Phf23	1.5833	1.43184	-0.14507	0.613232	0.847467
Phf23	0.741423	0.450153	-0.719882	0.16219	0.497506
Dlg4_j4	1.1329	0.563679	0	1	1
Dlg4_j7	0.413258	0.89298	0	1	1
Asgr2_j1	0.0263373	0.112893	2.09977	0.118266	1
Mgl2	0	0.176994 1.79769e+308		0.0150082	0.115008

Clec10a_j2	0.16451	0.310536	0.916588	0.23913	0.586263
Slc16a11_j3	0.0206908	0.0491831	1.24917	0.514639	1
Arrb2	4.39671	5.06664	0	1	1
Med11_j1	0.212667	0.336825	0.663401	0.234655	0.582023
Zmynd15_j1	0.314289	0.712355	1.1805	0.0035266	0.0391716
Zmynd15_j3	0.284638	0.459718	0.691617	0.272452	0.621347
Psmb6_j1	0.663723	0.47373	-0.486516	0.553886	0.817269
Pld2_j1	0.0172676	0.0765123	2.14762	0.127944	1
Pld2_j9	0.663167	0.668838	0.0122842	0.971817	0.991962
Pld2_j10	0.144813	0.000197922	-9.51504	0.811045	0.938047
Mink1_j4	2.88637	2.76048	-0.0643345	0.703715	0.891518
Mink1_j3	0.743442	0.692654	-0.102086	0.722943	0.901338
Fam64a_j1	0	0.11504	1.79769e+308	0.0924941	1
Txndc17_j1	21.9562	32.549	0.567983	7.13E-06	0.000231
Xaf1_j5	1.59254	1.98535	0.318064	0.484232	0.776316
Ube2g1_j2	2.97002	2.71308	0	1	1
Ankfy1_j1	8.29986	8.68675	0.0657302	0.506517	0.788992
Camkk1_j3	2.67899	3.22746	0	1	1
P2rx5	0.39162	0.359972	0	1	1
1300001I01Rik	3.05292	2.46745	-0.30717	0.0811678	0.346859
Mnt_j3	9.61126	11.4213	0	1	1
Smg6_j4	0	0.114719	0	1	1
Rtn4rl1_j3	8.69774	8.87031	0	1	1
XLOC_004233	0.110644	0.134067	0	1	1
Smyd4	0.516605	0.399217	0	1	1
Smyd4	1.7993	1.58707	0	1	1
Smyd4_j2	1.15254	2.73791	0	1	1
Rilp_j1	0.0946317	0.0811222	-0.222226	0.851046	1
Scarf1_j4	0.0588178	0.0937416	0.672435	0.585285	1
Slc43a2_j3	7.55915	6.50081	-0.217605	0.138991	0.463607
Pitpna_j7	51.6755	52.9703	0	1	1
Inpp5k	6.67112	6.07156	0	1	1
Crk	6.45933	5.4883	0	1	1
Rnmtl1	3.20138	3.27038	0.0307653	0.851529	0.952852
Tusc5_j1	94.6871	69.128	0	1	1
Ssh2_j4	0.279122	0.614454	0	1	1
2210008F06Rik_j1	0.24074	0	0	1	1
2210008F06Rik	0.298511	1.22176	0	1	1
Abhd15	0.324653	0.258874	-0.326647	0.397033	0.721465
Nufip2	2.18006	0.738805	-1.5611	2.22E-16	5.36E-14
Myo18a_j2	0.797143	2.11701	0	1	1
Myo18a_j7	4.25608	4.91984	0	1	1
Sez6_j2	0.813133	0.000624181	0	1	1
Flot2	50.0103	54.7715	0	1	1
Flot2_j8	42.7213	50.2722	0	1	1
Flot2_j10	28.3376	27.6021	0	1	1
Proca1_j3	0.118732	0.0893963	-0.409423	0.746829	1

Proca1_j5	0.545153	0.583652	0.0984476	0.816116	0.940221
2610507B11Rik_j2	12.2906	10.1192	0	1	1
Vtn	3.40985	5.24642	0.621624	0.0002088	0.0039788
Poldip2	9.39177	8.46303	0	1	1
Poldip2_j1	8.2525	10.0865	0	1	1
Zfp207_j3	5.83343	7.1641	0	1	1
Zfp207	9.0453	12.0192	0	1	1
Cdk5r1	12.0178	10.7132	0	1	1
Gm11419_j4	0.138447	0.0987308	-0.487757	0.39521	0.720391
XLOC_004300	0.412461	0.288021	-0.518084	0.174132	0.512143
XLOC_004306	0.117943	0.0831595	-0.504138	0.739606	1
XLOC_004307	0.167311	0.124301	-0.428696	0.581423	0.83232
Tmem132e_j4	0.0829351	0.0256849	0	1	1
XLOC_004308	0.0920994	0.0364801	0	1	1
XLOC_004309	0.100108	0.024958	-2.00399	0.202525	1
Lig3	0.986295	1.33298	0.434566	0.019482	0.138412
Lig3	0.0669603	0.173022	1.36958	0.0028304	0.032893
Unc45b_j3	0.0676169	0.0560159	-0.271547	0.831449	1
Unc45b_j6	0.240307	0.576079	1.26139	0.0190057	0.136135
AA465934_j2	0.353114	0.407384	0.206258	0.761128	0.917801
Ap2b1_j2	0.246392	0.426284	0.790861	0.0290323	0.181537
Rasl10b_j1	0.130917	0.437777	0	1	1
Taf15_j5	0	0.801168	1.79769e+308	9.00E-06	0.0002837
Taf15_j4	0.273783	0.158388	-0.78957	0.332861	0.674
Taf15_j6	0.314547	0.37679	0.260485	0.655342	0.868271
Taf15_j11	7.41417	8.22459	0.149658	0.521689	0.798357
Heatr6	0.959754	1.24211	0	1	1
Ddx52_j1	0.240844	0.728219	0	1	1
Ddx52_j2	2.2978	2.5642	0	1	1
Acaca_j16	0.0650801	0.0338286	-0.943972	0.554303	1
Myo19_j1	0.341237	0.298863	-0.191288	0.780539	0.925851
Myo19_j2	0.475485	0.491696	0.0483658	0.898061	0.967557
Myo19_j3	0.809352	0.941105	0.217589	0.446642	0.753433
XLOC_004337	0.0913867	0.0694242	-0.396546	0.703626	1
Ppm1d_j1	0.677815	0.654787	-0.0498675	0.91336	0.972756
Bcas3_j6	6.47751	5.17152	0	1	1
Sept4_j2	0	0.950797	1.79769e+308	4.58E-05	0.0011062
Mtmr4_j1	0	0.242931	0	1	1
Mks1_j5	0.171216	0.145425	-0.235547	0.754499	0.915367
Cuedc1_j3	2.19357	2.16347	-0.0199344	0.915989	0.973828
AK021127_j2	0	0.085911	1.79769e+308	0.200302	1
Trim25_j1	0.136568	0.185169	0.43922	0.398713	0.722617
Tmem100	2.635	2.95691	0.166291	0.427692	0.741858
Spag9	7.25375	5.99095	-0.275942	0.0151974	0.116007
Spag9_j6	25.3595	22.668	-0.161869	0.071835	0.322325
Mrpl27_j1	0.287504	0.489614	0.768061	0.0866268	0.359714
Mrpl27_j4	8.91395	7.97445	-0.160679	0.190825	0.533094

Samd14	2.20019	1.70524	-0.367658	0.160687	0.495357
Samd14_j5	2.39594	1.14778	-1.06175	0.0085315	0.0760996
Fam117a_j2	0	0.279496	1.79769e+308	0.0018859	0.0238391
Gngt2_j1	0.0815214	0.138114	0.760606	0.518305	1
Snf8	0.625222	0.545705	-0.196246	0.774259	0.923528
Ttl6_j7	0.0559851	0.080199	0.518542	0.590676	1
Hoxb9_j4	1.0843	0.64943	-0.739517	0.0447915	0.241817
Hoxb7	4.33082	4.73967	0.130147	0.434436	0.74554
Hoxb5_j1	2.96222	2.43058	-0.285378	0.239271	0.586542
Hoxb3_j2	0.350254	0.332754	-0.0739467	0.890506	0.965381
Hoxb5_j3	7.06555	6.69664	-0.0773641	0.668679	0.874576
Skap1_j5	0	0.0740126	1.79769e+308	0.177397	1
Cbx1_j2	1.87023	1.5613	0	1	1
Cbx1_j1	0.797257	0.446468	0	1	1
Prr15l	0.0920629	0.0626817	-0.554575	0.660264	1
D030028A08Rik_j2	0.171417	0.198896	0.214499	0.654779	0.868161
Arhgap23_j2	0.486593	0.516514	0	1	1
Arhgap23_j5	0.554014	0.857533	0	1	1
Mllt6_j4	0	0.169968	0	1	1
Psm3_j1	0.444238	0.34234	-0.375901	0.626237	0.854124
Psm3_j3	0.873779	0.862687	-0.0184308	0.970943	0.991858
Psm3_j4	0.0903853	0.0624888	-0.532492	0.757991	1
XLOC_004427	1.777	1.34763	-0.399024	0.0831078	0.351298
AK141527	1.39081	1.62751	0	1	1
Ppp1r1b_j1	0.112415	0	-1.79769e+308	0.0423075	1
Stard3_j2	0.913678	1.01426	0.150666	0.706769	0.893134
Erb2_j1	0.0882782	0.0733476	0	1	1
Gsdma_j1	0.294206	0.569604	0.953133	0.107679	0.407901
Thra_j3	1.20818	2.04302	0.757863	0.0403559	0.225129
Casc3_j3	12.8292	15.6958	0	1	1
Wipf2_j4	0.484127	0.462356	0	1	1
Igfbp4	25.6231	22.6661	0	1	1
Igfbp4_j2	38.2689	39.9382	0	1	1
Ttc25_j2	0.27512	0.374227	0.443853	0.344328	0.684009
Nkiras2_j1	0.872599	0.0406871	-4.42268	0.134918	0.457099
Atp6v0a1	49.7528	48.1228	0	1	1
Atp6v0a1_j2	40.1666	54.5408	0	1	1
Atp6v0a1_j3	12.7399	12.7579	0	1	1
Hsd17b1_j2	0.136293	0.0674759	-1.01427	0.280716	1
Mlx	4.08022	4.1109	0	1	1
Tubg2_j2	24.3275	22.678	-0.101291	0.482936	0.77583
Cntnap1_j3	12.4064	11.0986	0	1	1
Psme3_j1	0.733817	0.424603	-0.789305	0.0061649	0.0598306
Aoc3	0.0751493	0.186818	1.3138	0.0253516	0.165919
Aoc3_j3	0.0992137	9.48E-06	-13.3531	0.989097	1
Ifi35_j1	12.2068	16.206	0	1	1
Nbr1	1.05283	0.91043	0	1	1

Nbr1	7.53538	6.01969	0	1	1
Rpl27-ps2	0.577401	0.433621	-0.413137	0.484006	0.77621
Cd300lg_j2	0.323726	0.306258	-0.0800242	0.900148	0.968242
G6pc3	47.9813	46.5085	-0.0449777	0.637272	0.859508
Rundc3a_j10	35.0325	46.3313	0	1	1
Gm16342_j1	0.00241615	0.301439	6.96301	0.44964	0.755708
Adam11_j9	1.01204	0.838864	0	1	1
Adam11_j8	1.0641	0	0	1	1
Adam11_j14	9.93647	9.03936	0	1	1
Higd1b	0.511986	0.568537	0.151149	0.687335	0.883817
Nmt1_j5	6.78244	10.2838	0	1	1
Acbd4_j4	1.78031	2.15316	0	1	1
XLOC_004496	0.1547	0.274398	0.826799	0.201116	0.544463
Hexim2_j1	0	0.138449	1.79769e+308	0.0042652	1
Fmn1_j9	0	0.271063	1.79769e+308	0.0028693	0.0332346
Mettl2_j2	0.107708	0.0947764	-0.184527	0.839684	1
Mettl2	2.39474	2.53774	0.0836784	0.670396	0.875338
Mettl2_j10	1.37707	2.0257	0.556823	0.0420862	0.231851
Tlk2_j7	0	0.128172	1.79769e+308	0.0382598	1
Mrc2_j6	0.285058	0.435767	0.612301	0.124687	0.439929
Tanc2_j3	0.820201	0.508931	-0.688509	0.221626	0.568841
Tanc2_j6	0.174042	0.107831	-0.690661	0.118492	0.428543
Kcnh6_j2	0.95805	0.596442	-0.68372	0.0351135	0.206175
Dcaf7_j1	6.19952	5.51268	-0.169403	0.321933	0.664958
Taco1_j1	2.83505	4.11444	0.537321	0.0053909	0.0537202
Psmc5	5.96225	5.93434	0	1	1
Psmc5_j4	74.645	71.0258	0	1	1
Helz_j10	0.503106	0.769023	0	1	1
Arsg_j2	0.254348	0.185201	0	1	1
Arsg_j3	1.89578	1.1989	0	1	1
Prkar1a_j1	26.4262	24.7465	-0.0947489	0.363917	0.698052
Map2k6_j1	1.39218	1.07604	-0.37162	0.166096	0.502787
Cog1_j4	13.0307	13.3673	0	1	1
Cog1_j5	0	0.506022	0	1	1
XLOC_004541	0.118747	0.0348972	-1.76671	0.46739	1
Rpl38_j2	0	0.242839	1.79769e+308	0.006608	0.0629524
Rpl38_j8	0.394541	0.301827	-0.38645	0.505298	0.788165
Dnaic2	0.0148845	0.373053	0	1	1
Dnaic2_j3	0	0.0805058	0	1	1
XLOC_004545	0.154869	0.149836	-0.0476675	0.952856	0.986353
Gprc5c_j2	2.46587	1.99286	0	1	1
Gprc5c_j5	0	0.156141	0	1	1
Gprc5c_j6	5.79437	4.18188	0	1	1
Gprc5c_j8	2.41532	2.38066	0	1	1
Cd300a_j3	0.0821673	0.0605174	0	1	1
Cd300a_j5	0.188314	0.509789	0	1	1
XLOC_004553	0.10894	0.0758101	-0.523076	0.552192	1

Mrps7	2.90133	3.36172	0	1	1
2310067B10Rik_j6	0	0.333037	0	1	1
2310067B10Rik_j7	0.471416	0.147281	0	1	1
Tsen54_j2	0.236855	0.238437	0.0095989	0.990023	0.996938
Tsen54_j1	0	0.205066	1.79769e+308	0.016477	0.122919
1110017F19Rik	0.270801	0.236013	-0.198369	0.643965	0.862786
Sap30bp_j1	0.793564	1.1745	0.565627	0.0310677	0.190042
Itgb4_j7	0.295744	0.504994	0.771919	0.0631905	0.298055
Unk	2.20937	2.33093	0	1	1
Unk_j1	1.29595	1.41722	0	1	1
Cdk3_j3	2.15698	2.1998	0	1	1
Sphk1_j2	1.39795	1.07261	-0.382179	0.0623676	0.295598
1810032O08Rik_j2	0.157069	0.16578	0.0778754	0.945854	0.983787
1110005A03Rik_j2	11.2072	10.649	-0.0737044	0.526613	0.801166
Mgat5b_j2	0.600331	0.396654	-0.597877	0.288267	0.636106
Mgat5b_j5	1.57725	1.35403	-0.220148	0.371472	0.704412
Sec14l1_j2	0	1.01139	1.79769e+308	1.83E-11	2.12E-09
Gm11734_j3	0.130951	0.132419	0.0160861	0.983482	1
Tnrc6c_j8	1.58205	2.03802	0.365367	0.0624173	0.295668
Afmid	0.517553	0.700524	0.436728	0.206821	0.551471
Afmid_j5	0.719732	0.660787	-0.123274	0.772544	0.92286
C1qtnf1_j1	3.99522	4.91425	0	1	1
Engase_j1	0.73445	0.32549	-1.17405	0.0262205	0.169964
Engase	2.9928	3.11525	0.0578491	0.692894	0.8862
Ccdc40_j3	1.84007	1.91816	0.0599669	0.842382	0.950233
Rnf213_j8	0.0912113	0.143731	0	1	1
Gm11762_j1	0.0859859	0.0116895	-2.87889	0.0406855	1
Gm11762_j2	0.108064	0.108409	0.00460629	0.996024	1
AK005967	1.87194	2.48146	0.406659	0.186071	0.526451
Mrpl12_j2	32.6021	35.541	0.124521	0.374121	0.706986
AK163532_j1	2.47417	2.17529	0	1	1
Aspscr1_j2	0.579684	0.781908	0	1	1
Lrrc45_j4	1.48412	1.77376	0	1	1
Hexdc_j3	1.05088	0.912336	0	1	1
Foxk2_j5	0.318337	1.59021	0	1	1
Tbcd_j6	0.0814636	0.231777	0	1	1
Metrn1_j1	0.88983	1.21999	0.455265	0.410986	0.730555
Drg1_j1	15.1924	12.7662	0	1	1
Rnf185_j1	0.102513	0.387275	0	1	1
Inpp5j_j4	3.75464	2.45162	0	1	1
Inpp5j_j6	8.42717	4.48534	0	1	1
Smtn	1.56762	2.2089	0.494754	0.0130653	0.10448
Osbp2_j4	3.01171	2.989	0	1	1
Osbp2_j2	0	0.327759	0	1	1
Mtmr3_j3	2.0682	0.398999	0	1	1
Uqcr10_j1	1.84155	2.66851	0.535112	0.054572	0.272463
Nf2_j7	0.418997	0.294223	0	1	1

Nf2_j6	0.272781	0.133529	0	1	1
Nefh_j7	60.0883	74.0293	0	1	1
Gas2l1_j1	2.63595	3.45129	0	1	1
Gas2l1_j5	4.54755	3.88224	0	1	1
Ewsr1	2.11267	2.93864	0	1	1
Emid1_j1	0.347384	0.46304	0.414608	0.607606	0.845335
Ccdc117_j1	3.27404	3.9273	0.262465	0.0764861	0.334148
Urgcp	6.84283	6.0293	0	1	1
Polm_j5	0.244263	0.445903	0.868294	0.0493584	0.256335
Camk2b_j4	8.86248	7.48994	0	1	1
Nudcd3_j1	0.943775	1.17193	0	1	1
Nacad_j5	20.5353	21.3773	0	1	1
Nacad_j4	3.9563	5.04046	0	1	1
Nacad_j3	26.1179	27.3119	0	1	1
Tbrg4	0.816018	2.60316	0	1	1
Hus1_j4	0.189682	0.189855	0	1	1
Zpbp_j6	0.306775	0.138693	-1.14528	0.229953	0.577072
Ddc_j3	0.0938296	0.315006	1.74726	0.166743	0.503133
Grb10_j6	1.63304	3.55479	0	1	1
Cobl_j2	3.6498	3.38017	0	1	1
Sec61g_j1	0.11331	0.0573538	-0.98231	0.513067	1
Actr2	2.29961	1.92568	0	1	1
Aftph_j3	4.47194	6.20162	0.471744	0.0196833	0.13931
1110067D22Rik	2.78573	2.84112	0	1	1
1110067D22Rik_j1	3.30247	3.95531	0	1	1
Ehbp1_j4	0.609107	1.48582	0	1	1
B3gnt2	3.57326	2.78638	0	1	1
Commd1	9.94737	10.1903	0	1	1
Papolg_j2	0.42423	0.32694	-0.375821	0.353585	0.68999
XLOC_004728	0.211063	0.16335	-0.369707	0.619864	0.850903
Ccdc85a_j3	2.62394	2.43535	0	1	1
Ccdc85a_j5	0.133197	0	0	1	1
Prorsd1_j3	0.5341	0.483463	-0.143702	0.828881	0.944763
Rps27a_j1	0.387629	0.385238	0	1	1
Rps27a_j2	0.137854	0.172608	0	1	1
Eml6_j4	0.52694	0.54077	0	1	1
Spnb2_j1	164.168	159.48	-0.0417937	0.630548	0.85633
Acyp2	20.6148	14.0094	-0.557288	7.20E-06	0.0002328
Rhbdf1_j1	0.102167	0.0821223	0	1	1
Nprl3	7.47301	6.44634	-0.21321	0.113467	0.419202
Efcab9_j1	0.120885	0.112834	-0.099434	0.920061	1
Fgf18_j3	0	0.357364	1.79769e+308	0.0147989	0.113779
Npm1_j2	6.44738	7.79976	0.274716	0.035894	0.20902
Tlx3_j1	19.8499	18.4078	-0.108817	0.368821	0.702097
Kcnip1	3.82543	3.55535	-0.10563	0.657213	0.869349
Kcnip1	6.56393	4.50617	-0.542659	0.0092971	0.0812042
AK015529_j2	0.504243	0.864963	0.778519	0.0373116	0.214128

Dock2_j6	0.169252	0.0595882	-1.50608	0.371006	0.703973
Odz2_j1	1.05415	0.939955	-0.165413	0.41423	0.732813
Mat2b_j1	4.4984	4.13949	0	1	1
Gabrg2_j2	0.934782	0.18935	0	1	1
Ublcp1_j3	0.244506	0.159145	0	1	1
Ublcp1_j13	0.155011	0.132654	0	1	1
Cyfp2_j4	0.990075	0.903212	0	1	1
Cyfp2	56.1607	60.6803	0	1	1
Sgcd_j3	0.768423	0.857669	0	1	1
Sgcd_j8	0.172446	0.160983	0	1	1
Tgtp2_j1	0.903979	0.460726	-0.972379	0.0567244	0.278613
Cnot6	1.50172	2.21529	0	1	1
Sqstm1_j2	132.005	124.601	0	1	1
Ltc4s	0.069301	0.642354	3.21242	0.0094989	0.0824333
Zfp2_j1	0.140598	0.0662641	-1.08528	0.309429	0.654094
Zfp2_j5	0.385773	0.364529	-0.0817167	0.867432	0.95814
Zfp354b_j3	0.334666	0.320055	-0.0643993	0.930197	0.978611
Hnrnpab_j3	2.16984	2.59378	0.257472	0.205184	0.549561
N4bp3_j1	0.412596	0.453983	0.137907	0.757454	0.916403
0610009B22Rik_j1	8.46422	6.18469	-0.452676	0.066274	0.307422
Sec24a_j2	2.03898	1.94157	-0.0706196	0.700352	0.889732
Phf15_j4	1.91621	1.88964	-0.0201464	0.911908	0.972279
Ube2b	40.731	34.3121	0	1	1
Hspa4_j1	9.43099	14.1557	0	1	1
Uqcrq_j1	85.2061	87.8483	0.044059	0.730098	0.904677
Ankrd43	0.517175	0.354573	-0.544569	0.0493187	0.256155
Slc22a5_j4	0.449497	0.370006	0	1	1
Slc22a5_j5	0.215951	0.329688	0	1	1
Cdc42se2_j2	0	0.179376	0	1	1
Anxa6_j4	0.0295128	0.0662189	0	1	1
Atox1_j2	44.0883	50.5417	0	1	1
Fam114a2_j2	10.9641	10.4989	0	1	1
Fam114a2_j3	15.0978	15.0984	0	1	1
Gemin5	0.0384411	0.0554168	0	1	1
Gemin5_j2	0.190803	0.0949077	0	1	1
Rnf187_j5	0.479698	1.39782	1.54298	0.0038964	0.0421181
Gjc2	0.0171569	0.11481	2.74238	0.193614	1
Snap47_j4	22.1141	21.2021	-0.0607601	0.719816	0.899359
Snap47_j5	15.1018	12.6541	-0.255116	0.105829	0.403926
Zkscan17_j3	1.31554	0.842292	0	1	1
AK005951_j2	0.134445	0.331545	1.30219	0.211012	0.555747
Pemt_j2	0.674741	1.01888	0.594579	0.260255	0.608919
Srebf1_j3	3.8116	3.71649	-0.0364565	0.710099	0.89438
Srebf1_j4	15.4018	17.181	0.157713	0.188434	0.529906
Flii	0.408107	0.210925	-0.952214	0.0168411	0.124966
Gm16515	1.81777	1.32259	-0.458803	0.0378126	0.215834
Slc47a2_j1	0.934713	1.19071	0.349229	0.309718	0.654307

Slc47a2_j2	0	0.0834644	1.79769e+308	0.0518475	1
Slc47a1_j9	0.177253	0.0396159	-2.16166	0.107985	0.408478
Rnf112	9.71142	8.45102	0	1	1
Rnf112_j11	3.35706	3.69964	0	1	1
Mapk7_j5	2.39388	3.39513	0.504118	0.158216	0.492412
Epn2_j3	0.767291	0.618904	0	1	1
XLOC_004901	0.0903848	0.0956518	0.0817112	0.941347	1
Prpsap2_j13	0.790918	0.131478	-2.58871	0.210516	0.555069
Akap10_j1	1.0629	0.536816	-0.98551	1.21E-05	0.0003658
Ncor1_j4	1.28988	1.27952	0	1	1
XLOC_004908	1.15318	1.3875	0.266867	0.654533	0.867973
Cenpv_j3	2.43972	3.51992	0.528825	0.177941	0.517294
Cenpv	3.50137	3.40941	-0.0383988	0.873326	0.959842
Gm12279_j1	0.254731	0.265175	0.0579663	0.900715	0.968396
Zfp286	0.0966025	0.0759294	-0.347402	0.711097	1
Arhgap44_j7	2.07006	6.03947	0	1	1
2310004I24Rik_j2	0.97864	1.25772	0	1	1
AK010044_j1	0.134079	0.129917	-0.0454898	0.95241	1
AK010044_j2	0.14643	0.167489	0.193856	0.859909	0.955708
Wdr16_j3	0.195098	0.248633	0.349816	0.798013	0.932953
Wdr16_j5	0.261405	0.165575	-0.658803	0.442407	0.750549
Ndel1_j3	2.80901	4.16418	0	1	1
Arhgef15_j1	2.73722	5.03301	0.878707	1.53E-06	5.97E-05
Arhgef15_j4	0.486721	0.660113	0.439618	0.18499	0.525175
Arhgef15	0.155763	0.190968	0.293982	0.53809	0.807846
Chd3_j3	3.04836	4.3636	0	1	1
Kdm6b_j7	1.61271	2.02255	0	1	1
Dnahc2_j1	0.223899	4.84E-05	-12.1761	0.987993	0.996422
Efnb3_j2	0.302952	0.111579	-1.44102	0.0896108	0.367183
Efnb3	0.421618	0.420731	-0.00304003	0.993263	0.997985
BC096441_j1	0.0942792	0	-1.79769e+308	0.029104	1
Fgf11_j3	0.171353	0.286456	0.74134	0.141949	0.46851
Nlgn2_j4	4.53035	4.11275	-0.139518	0.308243	0.653146
Tmem95_j1	0.199284	0.253106	0.344916	0.530692	0.80314
2810408A11Rik_j3	0.0789171	0.0986364	0.321782	0.841843	1
0610010K14Rik_j10	1.63524	1.36468	-0.260944	0.410252	0.730238
0610010K14Rik_j7	0.340085	0.401601	0.239869	0.674969	0.877526
0610010K14Rik_j11	65.5233	74.1238	0.177928	0.126477	0.442942
Cxcl16_j4	0	0.103764	1.79769e+308	0.0371187	1
Vmo1_j2	0.0737238	0.0962199	0.384203	0.67603	1
Pfn1_j1	160.37	199.632	0.315934	0.0003797	0.0064992
Camta2_j4	4.31466	3.58926	0	1	1
Inca1	0.294162	0.285015	0	1	1
C1qbp_j2	34.1232	38.9841	0	1	1
Dhx33_j4	2.24972	1.96486	0	1	1
Smtnl2_j2	0.220534	0.391499	0.828011	0.102517	0.396694
Spns2_j1	0.446428	0.425107	0	1	1

Cyb5d2	4.75146	3.79229	0	1	1
Tmem93	0.0635301	0.0645098	0	1	1
Ctns_j1	0.475072	0.386845	0	1	1
Pafah1b1	25.8345	18.3564	0	1	1
Sgsm2_j2	0.641295	0.559221	0	1	1
Sgsm2_j1	0.310892	0.596601	0	1	1
Gemin4_j3	12.1836	13.0151	0.0952451	0.416156	0.73373
Abr_j7	2.40178	2.59631	0	1	1
Abr_j8	1.91073	1.69245	0	1	1
Gosr1_j2	4.4124	4.79671	0	1	1
Efcab5	0.0837498	0.104139	0.314348	0.751229	1
Ankrd13b_j3	11.8581	10.4711	0	1	1
Ankrd13b_j2	0.831134	0.276201	0	1	1
Taok1_j2	2.60859	3.29878	0	1	1
Pipox_j1	0.264909	0.665005	1.32787	0.013873	0.108754
Traf4_j1	0.165282	0.231017	0.483069	0.159669	0.494064
Nek8	0.0606684	0.193309	0	1	1
Supt6h	0.297321	0.278584	0	1	1
Sarm1_j1	0.178239	0	0	1	1
Ksr1_j1	0.558046	0.677118	0.279024	0.445967	0.753304
Ksr1_j2	0.772076	0.557654	-0.469373	0.130651	0.450056
Evi2a	0.677573	1.34625	0.990497	0.0002171	0.004099
Utp6_j2	0.0803044	0 -1.79769e+308	0.0028341		1
1110002N22Rik_j1	0.985544	1.00687	0.030884	0.935374	0.980275
Myo1d_j1	0.566833	0.794586	0	1	1
Myo1d_j2	0.276936	0.288488	0	1	1
Accn1_j4	9.67116	12.8278	0	1	1
Accn1_j5	22.6747	21.4964	0	1	1
Accn1_j3	0.0863332	0.12976	0.587854	0.224149	1
Cct6b_j2	0.104451	0.154045	0.560524	0.464184	1
Cct6b_j7	0	0.0573353 1.79769e+308	0.0543287		1
Gm11423	0.0870904	0.0375162	-1.215	0.595844	1
Nle1_j2	0.289194	0.536752	0.892217	0.0544509	0.272193
Pex12_j1	0.657377	0.734284	0.159618	0.629449	0.856004
Pex12	2.04367	2.11412	0.0488977	0.793256	0.931082
Dusp14_j1	0.363313	0.649843	0.838876	0.0892318	0.36626
Dhrs11_j3	0.959452	0.704421	-0.445773	0.272791	0.621682
Ggnbp2_j1	0	0.119139 1.79769e+308	0.0260971		1
Ggnbp2_j3	0.169866	0.204089	0.264795	0.602058	0.842577
Pigw	0.555702	0.572139	0.0420532	0.910072	0.971581
XLOC_005083	0.323885	0.238989	-0.438537	0.334927	0.675691
XLOC_005083	2.53E-05	0.0627166	11.2734	0.967014	1
Med13_j1	4.39258	4.09376	0	1	1
Tmem49	4.8816	4.46324	0	1	1
Cltc_j3	68.7032	44.7658	0	1	1
Ypel2_j1	0.416958	0.303389	-0.45873	0.243016	0.590473
1200011M11Rik_j2	0.132452	0 -1.79769e+308	0.0066833		1

Akap1_j1	3.40641	3.00204	-0.182306	0.506675	0.789088
Nog	4.42533	3.36146	-0.396697	0.0163243	0.122229
Nme2_j1	23.1158	33.414	0.531572	1.29E-05	0.0003861
Nme1_j1	11.4845	0 -1.79769e+308		1.70E-32	5.73E-30
Nme1	76.4514	89.0407	0.219922	0.0251712	0.165035
Luc7l3_j6	4.47637	4.46507	0	1	1
Mycbpap_j2	0.435678	0.365518	0	1	1
Rsad1_j2	2.59325	3.22449	0	1	1
Rsad1_j3	0.345504	0.452353	0	1	1
Xylt2_j2	10.4296	8.34155	-0.322298	0.0299512	0.185592
Xylt2_j1	0.0961548	0.183092	0.929138	0.0178593	0.130182
Pdk2_j3	0.118753	0.125076	0.0748442	0.938875	1
Pdk2_j2	22.4545	23.1783	0.0457689	0.599759	0.841292
Itga3_j4	1.65206	0.738099	-1.16238	0.0056465	0.0557427
Itga3	0	0.295098 1.79769e+308		1.07E-09	8.94E-08
Myst2_j6	0.0280699	0.103689	0	1	1
Myst2_j7	0.523969	0.366352	0	1	1
Myst2	0.033904	0.290797	0	1	1
AK027957_j2	0.160049	0 -1.79769e+308		0.0145068	0.112282
AK027957_j1	0.066312	0.200647	1.59732	0.0602096	0.288946
AK027957	0.821504	1.01856	0.31019	0.329171	0.671446
Abi3_j2	0.117249	0.220596	0.911827	0.0661096	0.306981
B4galnt2_j1	0	0.0772108 1.79769e+308		0.0508374	1
Atp5g1_j2	0.346607	0.211153	-0.715009	0.103101	0.398042
Snx11_j1	3.75593	3.14269	0	1	1
Snx11_j2	1.97132	3.29512	0	1	1
Snx11_j3	2.96994	2.8662	0	1	1
Nfe2l1	38.1227	30.0539	0	1	1
Nfe2l1	8.42741	8.10688	0	1	1
Cdk5rap3_j2	0.195418	0.0577271	-1.75924	0.164978	0.501261
Sp2_j1	2.99121	3.19254	0.0939717	0.573795	0.827772
Lrrc46	1.41841	1.46066	0	1	1
Tbkbp1_j5	0	0.383927	0	1	1
Srcin1_j2	0.00938044	0.359579	0	1	1
Srcin1_j1	0.435927	0.0438423	0	1	1
AK155239_j1	0.488368	0.204266	0	1	1
Pcgf2_j1	0.520235	0.272295	-0.933995	0.0834789	0.352255
Pip4k2b_j1	1.21596	1.01621	0	1	1
Pip4k2b_j2	2.50066	2.21857	0	1	1
Rpl23_j10	0.289452	0 -1.79769e+308		0.0130882	0.104567
Plxdc1_j5	0.954011	0.694295	-0.458456	0.218719	0.565018
Arl5c_j3	0	0.0563979 1.79769e+308		0.188466	1
Fbxl20_j2	0.864568	1.09212	0	1	1
Med1	1.36919	1.14009	0	1	1
Ormdl3_j1	1.4751	1.43845	-0.0362979	0.908328	0.971082
Med24_j6	0.806623	0.813098	0	1	1
Med24	3.92071	4.44934	0	1	1

Med24_j5	1.5089	2.33616	0	1	1
Nr1d1	4.4921	4.15805	-0.111483	0.332888	0.674
Krt16	0.0568551	0.244133	2.10231	0.0189262	0.135765
Jup_j1	67.0888	69.5362	0	1	1
Nt5c3l_j1	4.26754	3.262	-0.387647	0.137039	0.460328
Acly_j2	65.1761	84.6017	0	1	1
Acly	28.9244	33.3553	0	1	1
Dhx58_j2	0.226856	0.412742	0.863465	0.247606	0.595013
Kat2a_j2	5.93859	6.08714	0	1	1
Ghdc_j2	0.208247	0.353763	0	1	1
Stat5b	0.494141	0.823933	0	1	1
Stat3_j2	0.782113	1.17269	0	1	1
Stat3_j3	0.724001	0.551263	0	1	1
Psmc3ip_j2	0.125247	0.0182311	0	1	1
Fam134c_j1	1.33219	1.88304	0	1	1
Plekhh3_j2	0.299744	0.444331	0.567905	0.258641	0.607438
Plekhh3	5.47398	5.72084	0.0636369	0.639299	0.860421
Ccr10	0.547514	0.289337	0	1	1
Aarsd1_j2	5.89541	4.59838	0	1	1
Vat1_j1	49.5292	69.3436	0	1	1
Brca1_j1	0.139594	1.97E-05	-12.7917	0.976956	0.993297
Etv4_j6	0	0.0534968	1.79769e+308	0.095789	1
Dusp3_j2	6.28465	9.14442	0	1	1
Mpp2_j2	0.272634	0.104589	0	1	1
Hdac5_j1	5.21561	4.33986	0	1	1
Hdac5_j3	0.760481	1.8617	0	1	1
Atxn7l3_j1	22.3627	19.025	0	1	1
Atxn7l3_j2	1.5578	1.87636	0	1	1
Ubtj_j5	4.73498	4.68403	0	1	1
Ubtj_j3	2.13854	2.38969	0	1	1
Ubtj	10.1248	8.26393	0	1	1
Fam171a2_j1	0.817231	0.999891	0.291027	0.39004	0.717083
Itga2b_j6	0.520301	0.498298	-0.062336	0.869126	0.958391
Itga2b_j5	0	0.0469262	1.79769e+308	0.0969115	1
Gpatch8_j1	0.252431	0	0	1	1
Gpatch8_j2	0.686869	1.60369	0	1	1
AK144330	0.291845	0.234662	-0.314617	0.738868	0.908304
Eftud2_j1	6.21521	8.12152	0	1	1
Eftud2_j2	0.768686	1.27986	0	1	1
Gfap_j2	0.052405	1.93E-05	-11.4086	0.984755	1
AK010390	0.0666642	0.102902	0.626286	0.545807	1
XLOC_005249	0.110014	0.317529	1.52921	0.0528918	0.267306
Map3k14_j2	0.808394	0.509232	-0.666737	0.140121	0.465626
XLOC_005254	0.195993	0.082091	-1.25551	0.282813	0.631354
Arhgap27_j2	2.42067	3.31683	0	1	1
Gosr2_j1	9.28212	9.12175	0	1	1
Nsf_j4	1.12396	0.597843	0	1	1

1700081L11Rik_j6	5.23999	4.37461	0	1	1
1700081L11Rik_j7	0.102515	0.000224966	0	1	1
Cdc27_j1	7.79473	8.47825	0	1	1
Cyb561	1.72831	1.83385	0	1	1
Strada_j2	0.000403946	1.30502	0	1	1
Ftsj3_j4	0.22815	0.324649	0	1	1
Ern1_j4	0.168879	0.0135551	0	1	1
Pecam1_j1	0.446076	0.728102	0	1	1
MtPolB	0.455638	0.394358	-0.20838	0.745875	0.911456
MtPolB	0.716707	0.841554	0.231672	0.550226	0.815285
Ddx5_j5	29.6074	37.8708	0	1	1
Smurf2_j1	3.30118	3.33883	0	1	1
Smurf2_j2	1.13881	1.65349	0	1	1
Bptf_j9	4.28288	4.74349	0.147369	0.274253	0.623353
Bptf_j11	2.53201	3.35375	0.405491	0.032849	0.197417
Bptf_j12	1.79474	1.70235	-0.0762505	0.610621	0.846532
Pitpnc1	0.104118	0.273602	0	1	1
Prkca	13.1975	10.4483	0	1	1
Slc16a6_j1	2.80712	3.4129	0	1	1
Wipi1	2.05282	1.94197	0	1	1
XLOC_005304	0.236887	0.0971797	-1.28547	0.0734041	0.326393
2610035D17Rik_j1	0.198495	0.299211	0	1	1
Slc39a11_j1	5.64891	5.92946	0.0699271	0.614705	0.84781
Slc39a11	2.36487	2.10538	-0.167676	0.442334	0.750549
Cdc42ep4_j3	0.117418	0.154682	0	1	1
XLOC_005312	0.029926	0.0620053	1.05099	0.70381	1
Nat9_j2	0.3031	0.406928	0.424981	0.490008	0.779734
Atp5h_j1	4.87141	5.33739	0.131797	0.715278	0.897128
Atp5h_j2	11.1353	12.0297	0.111468	0.571862	0.827089
Atp5h	3.7761	2.7734	-0.445244	0.169991	0.507178
Gga3_j9	0.420535	0.340121	0	1	1
Gga3_j11	0.142648	0.400144	0	1	1
Gga3_j12	1.45886	1.68566	0	1	1
Grb2_j7	1.22143	1.48007	0	1	1
Grb2_j5	0.736803	0.150149	0	1	1
Grb2	22.8252	22.9984	0	1	1
Caskin2_j3	0.252344	0.211279	0	1	1
Recql5_j1	0.170267	0.296636	0.800896	0.204242	0.548407
Recql5_j2	0.730181	1.07522	0.558307	0.0753583	0.331407
Wbp2_j6	66.8253	103.261	0	1	1
Wbp2_j7	3.71553	3.16961	0	1	1
Fbf1_j2	0.0576847	0.0793069	0	1	1
Acox1_j1	2.15361	4.14172	0	1	1
Srp68_j1	3.13119	0	0	1	1
Exoc7_j2	3.50773	3.3328	0	1	1
Rnf157_j5	44.5286	37.0265	0	1	1
Rnf157_j3	7.47785	5.38374	0	1	1

Rnf157_j4	17.8206	10.8917	0	1	1
Prpsap1_j3	2.99787	3.55164	0	1	1
Prpsap1_j4	2.95186	2.55239	0	1	1
Cygb_j2	0.154677	0.619292	0	1	1
St6galnac2_j4	0.25515	0 -1.79769e+308		6.22E-06	0.0002048
XLOC_005363	0	0.143916 1.79769e+308		0.0999845	1
Cyth1_j5	0.796175	0.11975	0	1	1
Cyth1	8.60586	8.39618	0	1	1
Usp36_j5	0.801787	1.10642	0	1	1
Usp36_j4	1.06383	0.976787	0	1	1
Timp2_j1	22.2283	17.2138	0	1	1
Timp2_j5	0.519469	0.181353	0	1	1
XLOC_005367	0.118366	0.155418	0.392902	0.701893	1
XLOC_005367	0.107293	0.0627922	-0.772893	0.600209	1
Lgals3bp	24.5893	23.4341	-0.0694252	0.467602	0.766717
Rbfox3_j6	0	0.0543962	0	1	1
Rbfox3_j1	17.2143	13.4622	0	1	1
Rbfox3_j8	12.5252	15.6581	0	1	1
Cbx4_j1	0.618017	1.58054	1.3547	6.30E-05	0.0014548
Tbc1d16_j5	0.0681442	0.0432632	0	1	1
Tbc1d16	1.26336	1.53773	0	1	1
Aatk_j4	26.5946	28.7434	0	1	1
Aatk_j6	6.39905	7.27077	0	1	1
Azi1_j1	1.47618	2.34406	0.667146	0.0218678	0.149894
Slc38a10_j5	2.10519	4.32303	0	1	1
Slc38a10_j6	4.73694	6.54294	0	1	1
2810410L24Rik_j3	0.161853	0.29207	0.851631	0.126916	0.443747
2810410L24Rik_j5	0.538278	0.640511	0.250871	0.625162	0.853774
2310003H01Rik_j1	0.553889	0.590278	0	1	1
2310003H01Rik	0	0.0710697	0	1	1
Nploc4_j2	7.66936	7.04539	0	1	1
Arl16	3.21969	2.72256	-0.241962	0.125745	0.441571
P4hb_j1	12.7771	15.1187	0	1	1
Pcyt2_j4	13.2558	17.5824	0	1	1
Pcyt2_j1	3.69794	3.63221	0	1	1
Pcyt2_j2	0.31155	0.575017	0	1	1
Notum_j3	0.0472979	0 -1.79769e+308		0.136911	1
Dus1l	2.014	2.43065	0	1	1
Fasn_j2	2.6366	5.93295	1.17007	0	0
Ccdc57	0.0954292	0.139684	0.549661	0.415455	1
Csnk1d_j3	26.8975	31.358	0	1	1
Sectm1b_j2	0.402344	0.605192	0.588964	0.155277	0.488418
1110031I02Rik	3.54669	3.80395	0	1	1
BC017643_j1	8.78811	11.8876	0	1	1
Pisd-ps1_j6	2.37314	2.81079	0	1	1
Pisd-ps1_j5	0.995674	0.719617	0	1	1
Eif4enif1_j2	0.376003	0.489686	0	1	1

Morc2a_j2	0.284189	0.196022	-0.535839	0.0775914	0.337104
Morc2a_j1	1.015	1.20357	0.245849	0.0939691	0.377713
Pes1_j2	0.181822	0.086157	-1.07749	0.11213	0.416716
Pes1_j9	0.792478	0.252092	-1.65242	0.0001291	0.0026579
Gal3st1	1.16877	0.000344258	0	1	1
Rnf215_j1	0.699226	0.811733	0.215246	0.441075	0.749922
Sf3a1_j1	9.42004	9.75336	0.0501663	0.610746	0.846566
Gatsl3_j1	0.48472	0.0775073	-2.64475	0.0220688	0.150848
Ascc2_j4	0.0771347	0.0676116	0	1	1
Zmat5	11.4709	11.6608	0.0236939	0.84807	0.951888
Thoc5_j2	3.64853	4.19634	0	1	1
Dbnl	0.239998	0.217516	0	1	1
Dbnl_j7	17.8969	20.1896	0	1	1
Ykt6_j1	1.52018	1.92639	0.341656	0.500738	0.785042
Ogdh_j1	3.2022	3.5337	0	1	1
Ogdh_j3	5.69375	5.28028	0	1	1
Ogdh_j4	5.56429	3.80723	0	1	1
Zmiz2_j1	0.230675	0.0355336	0	1	1
Zmiz2_j12	0.198078	0.15097	0	1	1
XLOC_003926	0.0990743	0.00389937	-4.6672	0.563507	1
XLOC_003926	0.184239	0.11317	-0.70309	0.228577	0.575624
Adcy1_j2	0.154307	0 -1.79769e+308		7.78E-12	9.79E-10
Upp1_j1	0.065815	0 -1.79769e+308		0.0778627	1
Abca13_j1	0.228236	0.0776874	-1.55477	0.274683	0.623768
Vwc2_j3	0.114644	0.10744	-0.0936325	0.921003	1
4930415F15Rik_j2	0.127163	0.12364	-0.0405259	0.962132	1
Fbxo48_j1	0.211594	0.0725316	-1.54462	0.114978	0.421857
XLOC_003953	0.12452	0.0944548	-0.398683	0.772978	1
Fam161a_j13	0.117132	0 -1.79769e+308		0.0032	1
Fam161a	0.299289	0.0294664	-3.3444	0.0295741	0.184004
Fam161a_j12	0.136788	0 -1.79769e+308		0.0018698	1
Fam161a_j11	0.123888	0.257057	1.05305	0.143562	0.470705
Fam161a_j14	0.0666122	0 -1.79769e+308		0.0230196	1
Usp34_j3	1.34313	0.767289	-0.807751	1.57E-05	0.0004559
XLOC_003966	0.138083	0.0655265	-1.07539	0.260202	0.608919
Fancl_j2	0.0876399	0.00045098	-7.60238	0.897439	1
XLOC_003974	0.157082	0.164138	0.0633855	0.917024	0.97399
Mtif2	0.0734038	0	0	1	1
Rtn4_j1	1.2095	1.03976	-0.218159	0.370063	0.703555
Asb3_j1	2.55992	2.8313	0.145365	0.40792	0.728248
Snrnp25_j1	0.478459	0.530816	0	1	1
Hba-a2_j1	3.72542	4.18622	0	1	1
Hbq1b_j1	1.79834	1.54397	0	1	1
Sh3pxd2b_j2	0.121548	0.0996024	0	1	1
Sh3pxd2b_j3	1.67548	2.06761	0	1	1
Ubt2_j1	9.58806	8.60879	-0.155429	0.203854	0.547998
Stk10	1.12422	1.54813	0.461598	0.0075116	0.0694247

Pank3_j1	1.41001	1.87482	0	1	1
Nudcd2_j2	0.0726852	0	-1.79769e+308	0.0936723	1
Gabrb2	0.390801	0.121366	-1.68707	0.0002449	0.0045413
Gabrb2_j1	0.14488	5.67E-05	-11.3191	0.841927	0.950055
Pwwp2a_j4	0.457224	0.367877	-0.313676	1	1
Rnf145_j6	5.24546	6.89945	0	1	1
Ebf1	6.93671	6.23357	0	1	1
Ebf4_j3	0.235269	0.404663	0	1	1
Ebf4_j4	3.59562	4.00331	0	1	1
Adam19_j4	2.87007	2.18724	-0.391972	0.0262174	0.169964
Trim7_j3	0.238031	0.184186	0	1	1
Zfp62	0.108469	0.0912519	0	1	1
Mapk9_j2	4.26014	4.87623	0	1	1
Mapk9	9.67557	9.2743	0	1	1
Mapk9_j3	0.609016	0.412651	0	1	1
Mapk9_j5	20.5643	19.0868	0	1	1
Hnrnp1_j2	1.20668	0.954378	-0.338415	0.367767	0.701102
Hnrnp1_j8	0.218615	0	-1.79769e+308	0.0046827	0.0483055
Zfp354a_j1	0.0634234	0.0671138	0.0815954	0.930255	1
Zfp354a_j5	0.142534	0	-1.79769e+308	6.44E-05	0.0014796
Clk4_j2	0.223154	0.204259	0	1	1
Clk4_j7	0.259058	0.749824	0	1	1
Agxt2l2_j2	1.65727	1.68092	0.020442	0.938628	0.981258
D930048N14Rik	0.27913	0.137848	-1.01786	0.0695484	0.316258
Ppp2ca_j1	4.47534	3.6386	0	1	1
Vdac1_j3	52.2482	48.7984	0	1	1
Fstl4_j1	0.111892	0	-1.79769e+308	0.0009957	1
Aff4_j3	5.61668	5.32814	0	1	1
Aff4_j4	8.11615	9.20836	0	1	1
Shroom1_j1	0.142534	0.0733434	-0.95857	0.242529	0.590017
Sept8_j1	0.273368	0	-1.79769e+308	1.94E-08	1.28E-06
Sept8_j2	8.11195	6.20007	-0.387763	0.0291381	0.182082
Fnip1_j1	0.0490871	0.329905	2.74864	7.19E-06	0.0002326
Rapegef6_j1	0.19159	0.141022	0	1	1
Gm2a_j1	0.232289	0	-1.79769e+308	8.24E-07	3.51E-05
Slc36a1	32.9179	34.422	0	1	1
G3bp1_j6	3.85373	0.919298	0	1	1
Gria1	0.178384	0.330124	0	1	1
Larp1_j5	35.9581	37.8635	0	1	1
Cnot8_j2	4.37167	6.33265	0	1	1
Mrpl22_j3	0.657731	8.55E-05	-12.9085	0.899465	0.967912
Gm12250	0.299202	0.205623	-0.541113	0.0711267	0.320623
Igtp_j2	0.0963246	0.0173832	0	1	1
Zfp692-ps_j2	0.275395	0.0877908	-1.64936	0.0021751	0.0266564
Sh3bp5l_j1	23.9337	22.3945	0	1	1
Wnt9a_j1	0.248929	0	-1.79769e+308	2.75E-06	0.0001004
Mripip_j1	0.588021	0.310127	-0.923008	0.304874	0.65013

Mprip_j5	1.88077	1.48183	0	1	1
XLOC_004102	0.0638577	0.0240925	-1.40627	0.432154	1
Myo15_j1	0.066779	0.0454692	-0.554505	0.624392	1
Llg1_j1	0.434435	0.362798	-0.259974	0.52562	0.800855
Llg1_j4	0.683133	0.829884	0.280742	0.4023	0.725446
Smcr8_j2	0.142089	0.0953459	-0.57555	0.359618	0.694866
Dhrs7b_j2	0.489083	0	-1.79769e+308	0.0045304	0.0471542
Kcnj12_j3	5.08552	4.66166	0	1	1
Grap_j1	0.383651	0.00012396	-11.5957	0.914511	0.973347
Ttc19_j1	0.231066	0.151885	0	1	1
XLOC_004129	0.518734	0.395335	-0.391917	0.465481	0.765392
Ubb_j2	1066.77	1304.76	0.290532	0.0013424	0.0181045
Trpv2_j4	0.406778	0.525784	0	1	1
Fbxw10_j1	0.0987903	0.0489785	-1.01222	0.655694	1
Fbxw10_j2	0.149698	0.0823893	-0.86153	0.429537	0.742785
Pmp22_j4	16.1769	14.5882	0	1	1
Elac2_j3	9.97713	9.70898	0	1	1
Zkscan6_j4	0.646697	0.135801	0	1	1
9130409J20Rik_j2	0.0450545	0.424237	3.23513	0.0001314	0.0027004
Gm12299_j1	0.106433	0.00422881	-4.65355	0.487796	1
Tmem220_j1	0.0807131	0.0325142	-1.31173	0.411563	1
Tmem220_j4	0.138731	0.0600912	-1.20706	0.301923	0.648067
Myh8_j6	0.116958	0.0071057	-4.04088	0.278519	1
Gas7_j6	0.985981	0.450218	0	1	1
Gas7_j7	1.65132	1.96794	0	1	1
Pik3r5_j5	0.599631	0.523362	-0.196266	0.717688	0.898243
Pik3r5_j6	0.948568	0.60334	-0.652781	0.0125898	0.101739
Pik3r6_j1	0.0878426	0.0987529	0.168903	0.87854	1
Pik3r6	0.11847	0.139798	0.238816	0.725045	1
Myh10_j7	1.33159	2.6708	0	1	1
Slc25a35_j2	0.06405	0.084406	0	1	1
1500010J02Rik_j3	0.343202	0.276452	0	1	1
Aurkb_j1	0.188179	0.180207	-0.0624525	0.927149	0.977499
Vamp2_j1	62.7273	68.2502	0	1	1
Per1_j6	1.48643	3.29469	1.14829	1.75E-05	0.0004969
XLOC_004173	0.191161	0.136621	0	1	1
Zbtb4_j4	16.8645	14.7933	0	1	1
1810027O10Rik_j1	8.65613	11.0147	0.347636	0.189745	0.531612
Neurl4_j5	3.64098	4.26531	0.228323	0.194967	0.537285
Gps2_j2	0.942398	0.57312	0	1	1
Gps2_j4	2.33175	2.66373	0	1	1
Ybx2_j4	0.0946958	0	-1.79769e+308	0.0076601	1
Gabarap_j2	35.4066	47.2419	0.41605	0.0007731	0.0116527
Dlg4_j5	0.458587	0	0	1	1
Mgl2_j1	8.85E-05	0.340798	11.9107	0.92473	0.976534
XLOC_004192	0.154925	0.0908594	-0.769865	0.403494	0.726353
Arrb2_j1	5.13727	7.16254	0	1	1

Pld2_j4	0.449346	0.479334	0.0932065	0.810948	0.938047
Pld2	1.88078	2.2205	0.239555	0.204887	0.54917
Pld2_j14	4.00234	4.29982	0.103432	0.641827	0.861896
Mink1_j5	5.81711	3.57608	-0.701925	9.00E-07	3.79E-05
Kif1c	1.75152	1.7664	0	1	1
Rabep1_j3	2.78336	3.10761	0	1	1
Rpain_j1	7.71076	8.5957	0	1	1
Mis12	0.687303	0.645906	0	1	1
Wscd1_j1	0.0544687	0 -1.79769e+308		0.0202342	1
Xaf1_j3	0.191975	0.0280585	-2.77441	0.304642	0.650106
Xaf1_j4	1.66814	1.44758	-0.204595	0.673229	0.876795
Mybbp1a_j1	4.70443	5.85246	0	1	1
Itgae_j2	0.158907	0.039766	-1.99858	0.345709	0.684966
P2rx5_j1	1.83702	1.25835	0	1	1
E130309D14Rik	7.06531	8.10475	0	1	1
1300001I01Rik_j6	0.179354	0 -1.79769e+308		0.000302	0.0053661
1300001I01Rik_j9	7.54493	8.04426	0.0924531	0.494831	0.782608
1300001I01Rik_j10	3.28255	3.98803	0.28086	0.215655	0.561479
Tsr1_j1	0.233833	0.268805	0	1	1
Smg6	0.732987	0.560069	0	1	1
Smg6_j3	5.36057	5.89311	0	1	1
XLOC_004233	0.624981	0.552415	0	1	1
Pitpna_j5	95.9872	91.7997	0	1	1
Pitpna_j6	57.678	59.1517	0	1	1
Inpp5k_j1	1.87401	1.95861	0	1	1
Myo1c_j1	0.271116	0.186402	0	1	1
Ywhae_j2	4.47883	21.7085	2.27707	0	0
Tusc5	21.2864	18.6807	0	1	1
Tusc5_j5	130.823	124.924	0	1	1
Blmh_j2	0.217771	0 -1.79769e+308		0.0032514	0.0367778
Ssh2	0.740745	0.7599	0	1	1
Ssh2_j2	0.0581519	0.37514	0	1	1
Git1_j2	3.01746	2.95129	-0.0319898	0.88449	0.963396
Nufip2_j2	0.1318	1.11045	3.07473	0	0
Myo18a_j4	4.19455	3.49467	0	1	1
Myo18a_j6	4.39542	4.30082	0	1	1
Myo18a_j8	6.3417	8.89203	0	1	1
XLOC_004263	0.160307	0.151763	-0.0790137	0.907468	0.970759
Rab34	0.612603	0.4517	-0.439588	0.320469	0.663744
Rab34_j1	4.42342	6.22427	0.492744	0.008762	0.0776581
Proca1_j4	0.117364	0.0177402	-2.72589	0.210441	1
2610507B11Rik_j1	3.2852	4.15794	0	1	1
Pigs_j1	22.5642	20.5444	-0.13529	0.144055	0.471055
XLOC_004280	0.115761	0.0774909	-0.57905	0.483751	1
Nf1_j1	0.0544952	0.0408787	-0.41478	0.561328	1
XLOC_004285	0.181549	0.142777	-0.346595	0.598171	0.840629
Suz12	6.90418	7.06046	0	1	1

Atad5_j4	0.0613133	0	-1.79769e+308	0.0024139	1
Adap2_j2	0.138582	0.280935	1.01949	0.0466638	0.247726
Adap2_j3	0.402039	0.740544	0.881251	0.0017304	0.0222537
Rhot1_j2	1.82983	1.36826	-0.419367	0.0858425	0.357676
Zfp207_j2	1.92295	1.54179	0	1	1
Psm11_j4	3.55498	4.46741	0.329598	0.477634	0.77269
Psm11_j6	6.59481	5.0153	-0.394997	0.0284145	0.179238
Ccl11_j1	0.445669	0.489927	0.136594	0.840453	0.949579
XLOC_004306	0.159608	0	-1.79769e+308	0.0166591	0.123974
XLOC_004307	0.129708	0.0116352	-3.47871	0.305169	1
Tmem132e_j3	15.9133	11.6543	0	1	1
XLOC_004308	0.101997	0.0358031	0	1	1
XLOC_004309	0.135764	0	-1.79769e+308	0.0001494	1
Lig3_j3	0.183241	0.138921	-0.399484	0.222923	0.569987
Slfn5_j4	0.204926	0.184629	-0.150479	0.781181	0.926086
Slfn5	0.000544724	0.0652222	6.90369	0.239964	1
Slfn4_j2	0.0661928	0.0193547	-1.77399	0.329894	1
Slfn4_j1	0.06771	0.0624764	-0.116059	0.907171	1
Ap2b1_j4	0.083283	0.05147	-0.694291	0.538147	1
Rasl10b_j5	0.306962	0.671598	0	1	1
Rasl10b_j8	5.52597	7.45815	0	1	1
Taf15	0.0304353	0.106328	1.80471	0.165216	1
Taf15_j10	8.16887	13.1398	0.685732	0.0022373	0.0272216
Heatr6_j4	0.226327	0.0435322	0	1	1
Synrg_j3	0.116491	0.161796	0	1	1
Acaca_j19	0.231074	0.0651602	-1.82629	1	1
Gm11442	11.765	12.4784	0	1	1
Bcas3_j5	0.522378	0.363902	0	1	1
Ptrh2	2.34704	2.42719	0	1	1
Mtmr4_j2	0.692023	0.172652	0	1	1
Supt4h1_j4	16.2325	17.9742	0.147038	0.398031	0.722262
Bzrap1_j1	0.118437	0	-1.79769e+308	3.30E-06	1
AK040276_j2	0.273668	0.139546	-0.971689	0.313114	0.657447
XLOC_004367	0.158148	0.143259	-0.142653	0.86097	0.956047
AK021127_j1	0.318727	0.307871	-0.0499988	0.962495	0.989507
Trim25_j4	0.0563832	0.0343481	-0.715034	0.54464	1
Tmem100_j2	23.9867	25.8766	0.109414	0.324831	0.667961
Mmd_j1	0.877378	1.95289	1.15434	0.0001111	0.0023513
Car10_j1	6.06964	7.93536	0	1	1
Car10_j4	5.20145	1.51986	0	1	1
Spag9_j2	0.0977002	0.119664	0.292558	0.65537	1
Spag9_j5	0.293168	0.166699	-0.81448	0.122297	0.435439
B230206L02Rik_j1	0.407301	0.732621	0.846972	0.480644	0.774441
Tob1_j1	7.94236	8.28478	0.0608965	0.660387	0.871072
Dlx3_j4	0.0782786	0	-1.79769e+308	0.0188024	1
Slc35b1_j1	0.936224	0	0	1	1
Slc35b1_j4	13.1537	12.7005	0	1	1

Spop_j3	0.129779	0.195088	0.58806	0.216401	0.562521
XLOC_004396	0.0987433	0.0799501	-0.304583	0.710849	1
Phb_j4	9.90285	9.93458	0.00461489	0.969713	0.99148
Zfp652_j4	0.566371	0.537873	-0.0744798	0.740574	0.909118
Zfp652_j3	0.147222	0.000325989	-8.81895	0.225595	0.572642
Gngt2	0.0920403	0.560881	2.60736	0.0627643	0.296706
Gngt2	0.0995432	0	-1.79769e+308	0.126064	1
Gngt2_j3	0.187091	0.184614	-0.0192297	0.974787	0.992777
AK133925_j1	0.143336	0.073219	-0.969106	0.326531	0.669766
Snf8_j1	3.95213	4.03144	0.0286666	0.900982	0.968557
Snf8_j4	21.103	24.8757	0.237291	0.267458	0.616277
Ttll6_j4	0.125325	0.0890923	-0.492307	0.53141	1
Ttll6_j3	0.2089	0.0229331	-3.18731	0.011268	0.0936032
Ttll6_j6	0.0478829	0.089159	0.896868	0.254956	1
Skap1_j4	0.27587	0.334487	0.277961	0.743395	0.910262
Cbx1_j3	3.36924	3.50734	0	1	1
D030028A08Rik_j1	0.199782	0.110743	-0.851215	0.132437	0.452839
Socs7_j4	7.68755	8.65297	0	1	1
Arhgap23	0.85373	0.416885	0	1	1
Mllt6_j7	6.05095	6.02927	0	1	1
Psemb3	0.000533541	0.43542	9.67259	0.813377	0.939062
Psemb3_j7	1.29875	1.08948	-0.253483	0.677162	0.878651
Lasp1_j2	0.0479629	0.0383696	0	1	1
Thra_j2	1.13831	4.01634	1.81899	3.18E-10	2.90E-08
Thra_j7	6.97357	11.2584	0.691034	0.0001351	0.0027519
Msl1_j1	0.785999	0.726592	0	1	1
Rapgef1_j1	0.143606	0	-1.79769e+308	1.10E-05	0.000337
Rapgef1_j2	0.0961826	0	-1.79769e+308	0.0003651	1
Ttc25_j5	0.133909	0.0211614	-2.66174	0.0959187	1
Cnp_j1	1.07359	1.25632	0.226765	0.126305	0.442595
Stat5a	0.112557	0.00434268	0	1	1
Naglu_j3	2.72427	2.93613	0.108046	0.615944	0.848629
Coasy_j4	6.80221	6.53019	0	1	1
Vps25_j2	12.9614	14.0497	0.116324	0.464799	0.764951
Rpl27_j1	6.70898	8.2007	0.289654	0.0736158	0.327003
Rdm1_j2	0.380875	0	-1.79769e+308	0.0001913	0.003698
Rdm1_j3	0.0831401	0	-1.79769e+308	0.0210729	1
Dhx8_j1	4.90841	5.34765	0.12365	0.277978	0.626763
Cd300lg	1.00097	0.609155	-0.716523	0.0311616	0.190357
BC030867_j1	0.095102	0.0995799	0.0663777	0.964912	1
Rundc3a_j5	0.078988	0.072462	0	1	1
Rundc3a_j6	1.23674	0	0	1	1
Rundc3a_j8	0.112877	0.201133	0	1	1
Rundc3a_j7	26.665	36.0721	0	1	1
Adam11_j1	3.10992	1.01909	0	1	1
Adam11_j3	1.6737	1.51451	0	1	1
Ccdc103_j2	0.165814	0	0	1	1

Ccdc103_j4	0.169107	0.112664	0	1	1
Ccdc103_j8	0.154733	0	0	1	1
Nmt1_j3	2.98234	3.40732	0	1	1
Acbd4_j8	12.7569	13.9687	0	1	1
XLOC_004496	0.289316	0.141068	-1.03626	0.0887128	0.365059
Hexim2_j2	0.0611922	0.0714321	0.223225	0.864401	1
Wnt3	0.184414	0.0901339	-1.0328	0.128954	0.447543
Mettl2_j7	0.110189	0.204773	0.894046	0.389863	0.716946
Tlk2_j4	0.999309	0.642145	-0.638033	0.0905646	0.369608
Tlk2_j2	0.177678	0	-1.79769e+308	0.0001632	0.0032375
Tlk2_j8	7.58748	7.23094	-0.0694377	0.65677	0.869053
Mrc2_j3	0.131343	0.0467674	-1.48976	0.0932045	1
Tanc2_j5	0.0603444	0	-1.79769e+308	1.65E-05	1
Ace	0.156026	0.184909	0.245033	0.665787	0.873346
Map3k3_j1	1.35241	0.514766	0	1	1
Map3k3_j4	0.700458	0.38633	0	1	1
Tcam1_j1	0.158703	0.0533372	-1.57312	0.198009	0.541125
XLOC_004519	0.0890797	0.121459	0.447307	0.570036	1
Helz_j5	0.597016	0.149127	0	1	1
Cog1_j3	7.39783	6.47458	0	1	1
XLOC_004541	0.0744551	0.0185046	-2.00849	0.271971	1
XLOC_004541	0.160723	0.211243	0.394326	0.669007	0.874746
XLOC_004541	0.0602029	0.225339	1.90419	0.170287	0.507195
XLOC_004541	0.133516	0.675279	2.33847	0.014093	0.110014
Rpl38_j1	0.350804	0.545422	0.636706	0.257456	0.606278
Rpl38_j6	0.429903	0.000351547	-10.2561	0.862906	0.956568
Rpl38_j7	0.163054	0.422155	1.37243	0.0810148	0.346508
Ttyh2_j1	0.902855	0.868206	0	1	1
Dnaic2_j1	0.349428	0	0	1	1
Dnaic2_j2	0.501814	0.00606525	0	1	1
Dnaic2_j4	0.228391	0	0	1	1
XLOC_004545	0.162952	0.0853117	-0.933632	0.325102	0.668265
Gprc5c_j7	0.399338	0	0	1	1
XLOC_004546	0.147024	0.207027	0	1	1
Cd300a_j4	0.0910903	0.0353589	0	1	1
2310067B10Rik_j8	2.0719	1.93468	0	1	1
Itgb4_j4	0.174287	0.273683	0.651039	0.142681	0.469414
Itgb4_j2	0.0436684	0.0878105	1.0078	0.18908	1
Itgb4_j5	0.303025	0.39772	0.392319	0.248692	0.596177
Fam100b_j2	5.1516	6.35974	0.303946	0.0441218	0.239316
Fam100b_j1	1.23751	0.000578766	-11.0622	0.624347	0.853348
XLOC_004572	0.12072	0.105012	-0.20112	0.808969	1
Sphk1_j4	0.16635	0.278207	0.741942	0.34117	0.681074
Mfsd11_j2	0.549587	0.482048	-0.189171	0.52271	0.798994
Gm11734_j2	0.138166	0.107301	-0.364732	0.619158	0.850509
Tnrc6c_j2	0.523036	0.509289	-0.0384253	0.879745	0.961537
Tnrc6c	1.01957	0.512024	-0.993676	2.13E-05	0.000584

Tnrc6c_j4	0.146199	0.242612	0.73071	0.0620022	0.294618
Tnrc6c_j6	0.131024	0.0574765	-1.18879	0.160932	1
Tmc8_j2	0.0769079	0 -1.79769e+308		0.0056116	1
Tmc8_j13	0.119228	0 -1.79769e+308		0.0432881	1
Afmid_j2	0.422406	0.418448	-0.013584	0.975098	0.992833
Afmid_j1	0.220706	0 -1.79769e+308		6.37E-05	0.0014677
Birc5_j1	0.122921	0 -1.79769e+308		0.003486	1
C1qtnf1_j4	0.0669015	0.0134101	0	1	1
Engase_j2	0.139763	0.155273	0.151821	0.810347	0.937876
Cbx2_j4	0.504986	0.262267	-0.945208	0.0350625	0.205925
Gaa_j1	2.24668	1.99028	-0.174825	0.322067	0.665132
Gaa_j2	3.61482	11.5665	1.67796	0	0
Slc26a11_j1	0.354892	0.190622	0	1	1
XLOC_004601	0.126796	0.15875	0	1	1
Rnf213_j2	0.0485949	0.0603297	0	1	1
Rnf213_j3	0.0996577	0.126307	0	1	1
A730011L01Rik_j1	0.229523	0.146634	0	1	1
A730011L01Rik	2.42063	2.86228	0	1	1
Bahcc1_j6	0.232869	4.90E-05	-12.2136	0.775342	0.923761
Bahcc1_j5	0.134007	0 -1.79769e+308		2.07E-10	1
Hgs_j3	2.52494	2.49144	-0.0192674	0.882345	0.962629
Hgs_j8	4.56168	5.2993	0.216235	0.0754106	0.331468
Slc25a10_j2	5.01363	4.83296	-0.0529501	0.801518	0.933853
Anapc11_j4	49.9122	53.6925	0.105328	0.35837	0.693844
Anapc11_j5	4.44711	5.04	0.180555	0.177904	0.517237
Aspscr1_j3	2.22442	3.3861	0	1	1
Tbcd_j3	0.149945	0.479398	0	1	1
Limk2_j2	6.13157	9.44008	0	1	1
Limk2_j4	14.714	13.9456	0	1	1
Limk2_j3	2.60454	5.75358	0	1	1
Inpp5j_j1	5.9298	5.46287	0	1	1
Mtfp1_j1	0.105159	0.0231573	-2.18304	0.315031	1
Sec14l2_j1	1.69251	1.86131	0.137154	0.617723	0.84955
Sec14l2	7.76128	7.37147	-0.0743414	0.553926	0.817269
Mtmr3_j7	0.466189	2.36858	0	1	1
Mtmr3_j8	3.42472	3.37997	0	1	1
Nefh_j2	438.261	281.441	0	1	1
Nefh_j6	0.16405	0.153682	0	1	1
Ewsr1_j6	1.92154	2.05897	0	1	1
Ewsr1_j5	2.18341	0.894689	0	1	1
Kremen1_j1	0.569904	0 -1.79769e+308		6.82E-15	1.33E-12
Urgcp_j2	8.18691	8.47363	0	1	1
Pgam2_j2	0.638873	0.732243	0	1	1
Pgam2_j1	0.0535623	0	0	1	1
Polm_j11	0.991804	0.872594	-0.184745	0.553755	0.817269
Myl7_j1	0.240282	0.163029	-0.559596	0.515966	0.794687
Camk2b_j7	0.247994	0.2582	0	1	1

Camk2b_j6	0.175218	0	0	1	1
Camk2b_j3	0.964613	1.2892	0	1	1
Nudcd3_j3	14.98	15.9272	0	1	1
Myo1g_j6	0.0526661	0 -1.79769e+308	0.0836123		1
Nacad_j6	20.6013	17.7855	0	1	1
Tns3_j6	3.93515	5.6596	0	1	1
Zpbp_j1	0.163105	0.0830369	-0.973979	0.151296	0.482368
Gm12000	0.131855	0.0449102	-1.55384	0.25187	1
Grb10_j5	0.16739	0.154575	0	1	1
Sec61g_j2	0.122546	0.206553	0.753184	0.395785	0.720791
Meis1_j1	0.446409	0.303182	-0.558181	0.228774	0.57584
XLOC_004704	0.0679088	0.0691529	0.0261909	0.977283	1
XLOC_004704	0.19204	0.153021	-0.327676	0.775683	0.923959
Actr2_j3	25.1757	5.4073	0	1	1
Cep68_j2	1.74846	0.555332	-1.65466	3.30E-12	4.35E-10
Aftph_j1	1.47222	1.19683	-0.298769	0.144117	0.471077
1110067D22Rik_j2	1.69833	0.000418381	0	1	1
Mdh1_j2	202.8	173.038	0	1	1
Mdh1_j3	65.3432	82.9579	0	1	1
Ehbp1_j12	0.645283	0.557254	0	1	1
Ehbp1_j11	0.915077	0.910796	0	1	1
Pex13_j2	5.74674	5.65814	0	1	1
Eml6_j6	0.267232	0.112527	0	1	1
Eml6	0.813067	0.357089	0	1	1
Spnb2_j6	9.16562	5.41074	-0.760407	3.79E-12	4.94E-10
4930505A04Rik_j2	0.070545	4.94E-05	-10.4786	0.972612	1
Erlec1_j1	9.3028	8.90841	0	1	1
XLOC_004745	0.220333	0.0440728	-2.32172	0.0815426	0.34785
Fgf18_j1	1.16931	0.890556	-0.392884	0.411034	0.730555
Fgf18_j2	0.733769	0.580286	-0.338561	0.476351	0.77206
Npm1_j1	0.654165	0 -1.79769e+308	7.30E-13	1.06E-10	
Kcnip1_j4	0.171807	0 -1.79769e+308	0.0094721	0.0822878	
Kcnip1_j3	1.52264	0 -1.79769e+308	2.77E-13	4.35E-11	
XLOC_004760	0.184744	0.0505098	-1.8709	0.0501089	0.258665
Dock2_j4	0.153463	0.0684298	-1.1652	0.377481	0.70922
Dock2_j9	0.154595	4.26E-05	-11.8244	0.977284	0.993385
Dock2_j11	0.161339	0.163272	0.0171775	0.98542	0.995689
Ccdc99_j4	0.0472435	0 -1.79769e+308	0.0326152		1
Wwc1_j1	0.717322	0.134394	-2.41615	0.0132992	0.105753
Wwc1	0.320214	0.106667	-1.58593	0.0036407	0.0401553
Od2_j5	0.0550672	0 -1.79769e+308	0.0003029		1
Gabrg2_j7	0.854154	1.00295	0	1	1
Gabra1_j1	2.99967	2.80245	0	1	1
Ublcp1_j6	0.0839909	0.00997413	0	1	1
Lsm11_j2	0.326037	0	0	1	1
Cyfip2_j5	5.63034	6.09675	0	1	1
Sgcd_j5	1.74533	0.547297	0	1	1

Sgcd_j6	0.743394	0.578895	0	1	1
Trim41_j2	0.648256	0	-1.79769e+308	1.44E-05	0.0004244
Trim41	3.95602	3.853	-0.038066	0.790591	0.930189
Irgm1_j1	1.2112	0.501822	-1.27119	0.0052938	0.0528825
Tgtp2	1.11164	0.496889	-1.16169	0.00761	0.0701212
9930111J21Rik2_j1	0.212839	0.159815	-0.41336	0.56668	0.824684
Sqstm1_j6	0.270386	0.151156	0	1	1
Sqstm1_j7	0.295135	0	0	1	1
Maml1_j3	0.425137	0.0172995	-4.61912	0.0230657	0.155463
Rufy1_j2	0.741167	0.315873	-1.23045	0.0179718	0.130789
Gm12199	0.137224	0.0450119	-1.60816	0.12821	0.44626
Zfp354c_j3	2.21484	1.69755	0	1	1
Zfp2_j4	0.259852	0.175951	-0.562514	0.272827	0.621704
Hnrnpab_j2	0.139269	0.453103	1.70196	9.43E-09	6.64E-07
Hnrnpab_j1	0.470063	0.191332	-1.29678	2.75E-05	0.0007185
Sec24a_j6	0.140532	0.137533	-0.0311156	0.953219	0.986435
Phf15_j1	0.118465	0.0371752	-1.67205	0.0609226	1
Phf15	0.249742	0	-1.79769e+308	2.16E-10	2.03E-08
Ube2b_j1	18.878	10.7563	0	1	1
Tcf7_j7	0.155246	0.177795	0.195663	0.772912	0.922948
Tcf7_j4	0.0856718	0.0530175	-0.692352	0.543716	1
Hspa4_j4	3.01099	5.40124	0	1	1
Hspa4_j3	18.5574	18.959	0	1	1
Rad50_j3	0.109306	0.202926	0.892582	0.0716526	0.321892
Slc22a5_j2	0.929097	0.302631	0	1	1
Cdc42se2_j4	2.59462	1.68864	0	1	1
Lymr7_j3	1.95862	1.78969	-0.130127	0.485409	0.777011
Anxa6_j1	76.175	101.783	0	1	1
Ccdc69_j1	0.121902	0.00721457	-4.07866	0.359277	1
Slc36a2_j1	0.632877	0.576766	-0.133939	0.800708	0.933638
Sparc	8.88921	9.2175	0	1	1
Fam114a2_j1	6.57335	6.24279	0	1	1
Gemin5	1.04154	1.34715	0	1	1
XLOC_004853	0.156387	0.279889	0.839738	0.217376	0.563545
Zfp39	0.712704	0.667098	-0.0954048	0.686544	0.883244
Rnf187_j6	3.47443	3.16039	-0.136671	0.554054	0.817298
Guk1	57.599	65.5933	0.187504	0.0649703	0.303396
Snap47_j1	54.1588	58.9152	0.121444	0.186486	0.527212
Zkscan17	0	0.0831615	0	1	1
Rasd1	0.310336	0.36355	0	1	1
Tom1l2_j1	2.04576	1.45213	0	1	1
Flii_j2	10.6364	13.7767	0.373219	0.0160799	0.120789
Flii_j3	0.140933	0.0204183	-2.78708	0.0282948	0.178644
Flii_j7	0.885014	1.60256	0.856605	0.0031531	0.0358821
Top3a_j3	0.224973	0.190569	-0.239439	0.62533	0.853869
Gm16515_j2	0.88386	1.70259	0.945843	8.73E-05	0.0019086
Aldh3a2_j2	6.26699	6.35365	0	1	1

Slc47a1_j2	0.292476	0	-1.79769e+308	0.0001739	0.0034207
Rnf112_j7	4.25616	6.23288	0	1	1
Rnf112_j8	4.85176	4.17711	0	1	1
Rnf112_j10	0.172166	0	0	1	1
Mapk7_j6	1.85501	2.03173	0.131285	0.574098	0.827866
Slc5a10_j1	0.0881388	0.0161672	-2.44671	0.294958	1
Slc5a10_j2	0.140111	0.0390093	-1.84468	0.0861558	0.358644
Prpsap2_j5	0.139515	0.0580122	-1.266	0.407089	0.727764
Ncor1_j10	2.22498	1.90069	0	1	1
Ncor1_j9	0.86874	0.699156	0	1	1
Zfp287_j1	0.20376	0.145259	-0.48825	0.210001	0.554523
Arhgap44_j4	0.1213	0.0484907	0	1	1
Map2k4_j5	1.75848	7.69783	0	1	1
Dnahc9_j12	0.127072	0	-1.79769e+308	0.0018106	1
Dnahc9	0.126064	0.0618041	-1.02839	0.158592	1
Ndel1_j1	15.6418	21.6899	0	1	1
Arhgef15_j2	0.10265	0.0625165	-0.715429	0.363856	1
Pfas_j5	0.682685	0.453748	0	1	1
Pfas_j6	0.46371	0.537102	0	1	1
Dnahc2_j2	0.0971081	0.069813	-0.476096	0.799045	1
Dnahc2_j4	0.204528	0.128301	-0.672764	0.442788	0.750909
Dnahc2_j5	0.182373	0.0874675	-1.06008	0.126113	0.442293
Dnahc2_j13	0.0935021	0.0451694	-1.04965	0.312686	1
Efnb3_j3	0.103486	0	-1.79769e+308	0.002039	1
Eif4a1_j1	0.0907993	0.683002	0	1	1
Eif4a1_j3	0.505231	0.538618	0	1	1
Eif4a1_j2	0.446454	0.409268	0	1	1
Tnfsf12	8.54056	9.31476	0.125188	0.331401	0.673024
Chrn1_j1	0.395474	0.207538	0	1	1
Fgf11_j2	0.545191	0.40507	-0.42859	0.243283	0.590533
Nlgn2_j2	0.0783317	0	-1.79769e+308	0.0024633	1
Acap1_j2	0.132901	0.0909748	-0.546807	0.567898	1
2810408A11Rik_j1	0.0763189	0.0201684	-1.91994	0.256776	1
Eif5a_j4	0.269171	1.00593	0	1	1
Slc2a4_j2	0.0933765	0.027762	-1.74995	0.273887	1
Acadvl_j2	0.626606	0.395334	-0.664488	0.15142	0.482514
Acadvl_j1	0.366741	0.460562	0.328636	0.459436	0.761406
Slc16a13_j4	0.117756	0.0435741	-1.43425	0.25455	1
Bcl6b_j2	0	0.049454	1.79769e+308	0.121878	1
O610010K14Rik_j5	0.233327	0	-1.79769e+308	0.0008679	0.0127545
Cxcl16_j1	0.679003	0.627226	-0.114433	0.65077	0.86597
Vmo1_j1	0.0644027	0.0175383	-1.87661	0.406798	1
A430084P05Rik	0.117506	0.207401	0.81969	0.255776	0.604561
Nup88_j2	2.5971	2.62224	0	1	1
Pitpm3_j9	0.176643	0.0431365	-2.03385	0.0371615	0.213498
Slc13a5_j2	0.136063	0	-1.79769e+308	0.0121664	1
Spns2_j3	0.214165	0.30675	0	1	1

AK076313_j1	0.45604	0.207833	-1.13374	0.186214	0.526701
Tmem93	9.27434	8.77412	0	1	1
Ctns_j2	2.12083	3.12609	0	1	1
mKIAA1039_j3	23.1182	20.8764	0	1	1
mKIAA1039_j4	0.191354	0.197025	0	1	1
Pafah1b1_j2	2.14202	0.533163	0	1	1
Sgsm2	1.89729	1.61809	0	1	1
Srr	4.32149	2.52811	0	1	1
Dph1_j1	1.44595	0.927779	0	1	1
Rpa1_j1	0.6701	0.706368	0	1	1
Rph3al_j3	0.144126	0.072802	-0.985286	0.531159	0.803433
Vps53_j1	8.04284	12.7017	0	1	1
Nxn_j3	4.74333	6.82555	0	1	1
Abr_j11	0.232869	0	0	1	1
Abr_j10	0.234855	0.383534	0	1	1
Gosr1_j1	1.27605	0.472981	0	1	1
Efcab5_j7	0.0802745	0.0842907	0.0704326	1	1
Efcab5_j9	0.0560907	0 -1.79769e+308	0.120401	1	1
Taok1_j8	8.30068	8.1727	0	1	1
Taok1_j9	0.351393	0.755099	0	1	1
Pipox_j6	0.308227	0.585849	0.926537	0.036944	0.21277
Pipox_j8	0.0859942	0.0789288	-0.123688	0.918726	1
Nek8_j3	0.586161	0.67473	0	1	1
Supt6h_j1	11.1702	12.7456	0	1	1
Nlk_j1	1.98991	2.18496	0.134907	0.564628	0.823408
Lgals9_j2	1.0286	0	0	1	1
Lgals9_j3	29.1414	29.2736	0	1	1
Ksr1_j8	0.795339	0.558285	-0.510568	0.0646052	0.302125
Wsb1_j3	0.216374	0.139436	0	1	1
Omg_j1	3.83354	1.58397	-1.27513	1.60E-05	0.0004607
Evi2b	0.456753	0.463276	0.0204559	0.957813	0.987996
Accn1_j2	2.27447	1.37831	0	1	1
Accn1_j7	14.5967	12.5691	0	1	1
XLOC_005055	0.189455	0.114751	-0.723351	0.240177	0.587471
Cct6b_j8	0.143666	0.327166	1.1873	0.0221199	0.151056
Sifn8_j2	0.109882	0.11887	0	1	1
Ccl9_j1	0.16696	0 -1.79769e+308	0.0093788	0.081726	0.081726
Dusp14_j2	0.435366	0.664367	0.609751	0.213703	0.558975
Tada2a_j2	0.515888	0.654029	0	1	1
Mrm1_j3	0.292994	0.181369	-0.691948	0.262616	0.611643
Dhrs11_j5	0.0674054	0 -1.79769e+308	0.0372491	1	1
Dhrs11_j4	0.565141	0.373961	-0.595725	0.193576	0.535854
Ggnbp2_j12	2.2348	2.27889	0.0281805	0.910728	0.97197
Pigw	0.943939	1.17299	0.313429	0.269868	0.619016
Usp32_j3	7.16174	7.58418	0	1	1
Appbp2_j1	0.88892	0.539416	0	1	1
Ints2_j1	1.30191	0.340523	-1.9348	4.55E-14	7.89E-12

Ints2_j2	0.273939	0	-1.79769e+308	1.36E-15	2.93E-13
Tmem49_j5	0.212797	0.0332814	0	1	1
Tmem49_j6	0.137888	0	0	1	1
Cltc_j1	30.7777	34.6451	0	1	1
Ppm1e_j1	2.54131	3.69337	0	1	1
Nme2	3.4273	4.41504	0.365353	0.106217	0.404647
Nme1_j3	1.24867	1.27405	0.0290324	0.961167	0.988989
Epn3_j3	15.6739	11.9756	0	1	1
Rsad1	0.128658	0.213534	0	1	1
Acsf2_j2	0.231847	0.188622	-0.297676	0.790735	0.930268
Pdk2_j1	2.28988	1.72784	-0.406304	0.009357	0.0815807
Itga3_j7	11.5341	17.0698	0.56555	1.33E-05	0.0003969
Dlx4_j1	0.147963	0.068171	-1.11801	0.124963	0.44033
Ngfr_j4	5.26493	0.862384	0	1	1
AK027957_j3	0.447849	0.688063	0.619529	0.0323814	0.195407
Nfe2l1	19.3217	7.53882	0	1	1
Nfe2l1	1.45168	0.591902	0	1	1
Cdk5rap3_j4	1.71452	1.51424	-0.179211	0.637762	0.859778
Tbkbp1_j7	0.014094	0.0978309	0	1	1
Kpnb1_j1	8.2448	10.2212	0	1	1
Npepps_j2	24.3983	28.2562	0	1	1
Srcin1_j10	0.313463	0.532756	0	1	1
Srcin1_j11	0.957443	0.71753	0	1	1
Srcin1_j12	1.32149	1.15259	0	1	1
Srcin1_j13	0.392509	0.0825914	0	1	1
Pcgf2_j6	0.682811	0.792094	0.214185	0.629688	0.85615
Pcgf2_j7	0.116321	0.115862	-0.00571085	0.993734	1
Pip4k2b_j4	12.9468	10.2644	0	1	1
Rpl23_j11	1.68749	1.12789	-0.581258	0.209586	0.553869
Fbxo47_j1	0.121494	0.0376741	-1.68924	0.0763135	1
Plxdc1_j6	0.85387	0.125681	-2.76425	5.65E-05	0.0013229
Arl5c_j1	0.283206	0	-1.79769e+308	0.0026156	0.0309359
Arl5c_j2	0.14658	0.23224	0.663928	0.373601	0.706436
Arl5c_j4	0.0678118	0	-1.79769e+308	0.0769181	1
Stac2_j1	6.31599	6.28353	-0.00743373	0.966488	0.990403
Med1_j3	0.158974	0	0	1	1
1810046J19Rik_j2	39.1516	45.5476	0	1	1
Med24_j7	2.10915	2.48722	0	1	1
Top2a_j7	0.0644677	0.0183317	-1.81423	0.127315	1
Top2a	0.0833473	0.0842835	0.0161155	0.980791	1
Smarce1_j1	0.181797	0.366178	0	1	1
Smarce1_j4	0.368359	0.24542	-0.585861	0.208278	0.552321
Smarce1_j5	0.154573	0.276136	0.837088	0.265047	0.613897
Krt27_j2	1.18728	1.39039	0.227837	0.526191	0.800979
Krt10_j2	1.62406	1.34383	-0.273246	0.376392	0.708482
Hap1_j5	0.111277	0.161854	0	1	1
Hap1_j2	0.0972685	0.537837	0	1	1

Leprel4_j1	1.01925	1.13351	0.153295	0.58193	0.832581
Leprel4_j2	0.0564235	0	-1.79769e+308	0.108835	1
Dnajc7	1.29434	1.73902	0.426052	0.0133963	0.106204
Ghdc_j1	2.14261	2.15992	0	1	1
Stat5b_j1	2.28816	3.55946	0	1	1
Psmc3ip_j3	0.138039	0.087954	0	1	1
Plekh3_j3	0.47857	0.960464	1.005	0.0030729	0.0351005
Plekh3_j8	1.11541	0.68195	-0.709841	0.0458138	0.244895
1700113122Rik_j2	0.148487	0.0898046	-0.725472	0.5431	0.810722
Vat1_j2	0.199032	0	0	1	1
Etv4_j8	0.107964	0.00734526	-3.87759	0.276356	1
Etv4_j7	0.358319	0.160969	-1.15446	0.111145	0.414977
Meox1_j1	0.189848	0	-1.79769e+308	0.002834	0.0329122
Mpp2_j1	0.62311	0.334293	0	1	1
Lsm12_j2	0.0667119	0	-1.79769e+308	0.0536725	1
Itga2b_j2	0.370666	0.178993	-1.05021	0.0952752	0.381127
Itga2b_j3	0.0667385	0.017576	-1.92492	0.247659	1
Itga2b_j8	0.0838043	0.146382	0.804641	0.340108	1
Gpatch8_j6	1.80098	0.544888	0	1	1
AK144330_j1	0.119531	0.11601	-0.0431408	0.977329	1
2810433D01Rik	0.199699	0.182037	-0.133602	0.85868	0.95523
Ccdc43_j2	6.47202	6.21473	-0.058525	0.670261	0.875235
Gjc1_j2	0.277776	0.117306	-1.24364	0.154903	0.488149
Gjc1_j3	0.738433	1.33164	0.850667	0.006995	0.0658155
Gjc1	0.130765	0.13113	0.00402499	0.995485	1
Gfap	0.0998918	0.205382	1.03987	0.116394	0.424447
Plcd3	0.76905	0.829487	0	1	1
Map3k14_j3	0.112413	0	-1.79769e+308	0.0001347	1
Arhgap27_j3	0.383016	0.165288	0	1	1
Arhgap27_j4	0.692392	0.203485	0	1	1
Gosr2_j4	1.40369	0.527346	0	1	1
Gosr2_j5	0.376661	0.568222	0	1	1
Nsf_j2	3.37276	0.115564	0	1	1
Nsf_j3	3.67315	4.45173	0	1	1
1700081L11Rik_j8	2.82051	2.69162	0	1	1
XLOC_005265	0.194438	0.0501515	-1.95495	0.328537	0.671065
Cyb561_j1	13.745	16.3671	0	1	1
Scn4a_j5	0.200106	0.0480723	0	1	1
Icam2_j2	0.177351	0	-1.79769e+308	0.0122667	0.0997838
Ern1_j3	0.18095	0	0	1	1
Tex2_j3	1.15859	1.00657	0	1	1
Pecam1_j3	0.738457	0.808413	0	1	1
Smurf2_j4	1.09522	0.808546	0	1	1
Bptf_j7	1.01523	0.625209	-0.699391	0.0003832	0.0065481
Bptf_j10	0.364593	0.1002	-1.8634	6.51E-06	0.0002134
Pitpnc1_j3	0.55681	0	0	1	1
Prkca_j4	14.8728	12.7754	0	1	1

Slc16a6	1.69899	1.69267	0	1	1
Fam20a	1.27464	1.05618	-0.271231	0.296463	0.643089
XLOC_005303	0.231689	0	-1.79769e+308	3.52E-07	1.63E-05
D11Wsu99e_j1	6.77028	6.90233	0	1	1
Cdc42ep4_j2	2.96268	3.64782	0	1	1
Sdk2_j3	0.0925388	0.0232283	-1.99418	0.0890722	1
Cd300lh	0.241559	0.366665	0.602085	0.469681	0.76771
Grin2c_j1	0.225443	0.0914383	-1.30189	0.150511	0.480998
C630004H02Rik	1.14971	0.149338	0	1	1
Gga3_j4	2.69598	2.56617	0	1	1
Grb2_j3	7.56831	7.34388	0	1	1
Caskin2_j4	0.404324	0.521073	0	1	1
Wbp2_j2	0.485181	0.439792	0	1	1
Fbf1_j8	0.0606667	0	0	1	1
Fbf1_j10	0.925118	0.571189	0	1	1
Acox1_j4	18.5028	21.2479	0	1	1
Exoc7_j6	0.331192	0.373702	0	1	1
Rnf157_j2	0.0676462	0.00410111	0	1	1
Prpsap1_j1	1.56245	2.10963	0	1	1
Ube2o_j6	0.0550042	0.0225658	0	1	1
Rhbdf2_j3	0.566103	0.50272	-0.171308	0.755605	0.915717
St6galnac2_j2	0.123037	0.0967455	-0.346823	0.779042	1
Tmc6_j2	9.84713	8.33163	0	1	1
Cant1_j1	0.131206	0.13275	0	1	1
Rbfox3_j9	21.1172	19.5884	0	1	1
Eif4a3	1.09116	0.813948	-0.422854	0.266077	0.615214
Aatk_j5	0.215103	0	0	1	1
Aatk_j2	1.81088	1.63742	0	1	1
2410002I01Rik_j1	0.745779	1.70403	0	1	1
Slc38a10	7.57389	7.61487	0	1	1
P4hb_j2	36.9175	45.6984	0	1	1
Arhgdia	54.821	61.3653	0	1	1
Thoc4_j1	0.475767	0.29989	-0.665823	0.008583	0.0764909
Pcyt2_j6	1.26825	1.01536	0	1	1
Pcyt2_j5	1.50664	2.42604	0	1	1
Pcyt2_j7	3.34944	4.03793	0	1	1
Sirt7_j13	12.4785	11.0011	0	1	1
Ccdc57_j7	0.176165	0	-1.79769e+308	0.0130433	0.1044
Ccdc57_j9	0.188136	0.0759527	-1.3086	0.0875236	0.362018
Ccdc57_j10	0.0897627	0.14356	0.677462	0.36529	1
Cd7_j2	0.0910989	0	-1.79769e+308	0.0540224	1
Cd7_j1	0.168134	0.100984	-0.73549	0.511926	0.791849
Pisd-ps1_j8	1.10524	2.42465	0	1	1
Pisd-ps1_j9	1.71216	7.75255	0	1	1
Pisd-ps1_j10	3.88584	8.20401	0	1	1
AK050795_j1	12.7396	23.3665	0	1	1
Pik3ip1	8.8098	7.75508	0	1	1

Pes1_j7	1.89955	2.85427	0.587462	0.0004366	0.0072586
Pes1_j8	1.39603	1.53251	0.134574	0.535185	0.806052
Tbc1d10a_j1	1.97392	2.09046	0.0827536	0.791736	0.930476
Thoc5_j3	0	0.895641	0	1	1
Dbnl_j5	5.71448	6.30688	0	1	1
Dbnl_j6	0.0394389	0.123719	0	1	1
Ogdh	0.0738124	0.0208048	0	1	1
Ogdh_j2	0.513114	0.423777	0	1	1
Zmiz2_j4	0	0.154336	0	1	1
Zmiz2_j7	0.717965	0.611069	0	1	1
XLOC_003930	0.123028	0.19158	0.638969	0.441635	0.750302
Vwc2_j4	2.86886	4.51031	0.652747	0.0280323	0.177633
4930415F15Rik_j1	0.0803422	0.0785086	-0.0333064	0.981902	1
Ikzf1	0.192732	0.267083	0.470691	0.251982	0.599992
Egfr_j1	0.0384869	0.149431	1.95704	0.0077167	1
Egfr_j5	4.96E-06	0.161648	14.9909	0.985738	0.995741
Spred2_j3	1.5667	1.42424	0	1	1
Gm12034	0.218051	0.28894	0.406104	0.705472	0.892269
Peli1_j1	2.42432	2.42054	0	1	1
Tmem17_j1	0.0376546	0.0713811	0.922715	0.598727	1
Fam161a_j15	0	0.472493	1.79769e+308	4.79E-05	0.0011524
Fam161a	0.218122	0.597473	1.45374	0.0066622	0.0633947
Xpo1_j5	0	0.0859365	0	1	1
Usp34_j9	0.243362	0.183317	-0.408764	0.35518	0.691124
Pus10_j1	0.14281	0.320953	0	1	1
Pus10_j3	0	0.283058	0	1	1
Pnpt1_j1	0.190316	0.478052	0	1	1
Pnpt1_j4	0.324121	0.199647	0	1	1
Ccdc88a_j1	0.850346	0.793146	-0.100464	0.653472	0.867469
Mtif2_j3	0.0368833	0.237127	0	1	1
Rtn4	31.6866	39.008	0.299897	0.0009207	0.0133726
Psme4_j1	0.414968	0.936633	0	1	1
Ubtd2_j2	3.18781	2.5145	-0.342292	0.143779	0.470722
Fbxw11_j2	0	0.0692084	0	1	1
XLOC_003992	0.0665873	0.132339	0.990915	0.110945	1
Lcp2_j1	0.191752	0.401712	1.06692	0.0178046	0.129939
Fam196b_j1	1.24174	0.941647	-0.399103	0.140403	0.466056
Pwwp2a_j1	0.0606215	0.0507599	-0.256138	0.822255	1
Rnf145_j2	1.35447	1.4846	0	1	1
Ebf4_j2	1.41263	1.61792	0	1	1
Adam19_j2	0.283489	0.955471	1.75292	1.24E-09	1.03E-07
Adam19_j6	11.1565	17.3399	0.636209	5.18E-10	4.56E-08
Zfp62_j4	4.55949	3.7132	0	1	1
Gfpt2_j2	0.0872505	0.190663	1.12779	0.182689	0.523127
Adamts2_j1	0.00101851	0.0823471	6.33719	0.250874	1
Zfp354a_j2	0.212248	0.549614	1.37267	0.0002222	0.0041836
Clk4_j6	0.0685486	0.0535567	0	1	1

Col23a1_j4	2.33997	2.43886	0.0597218	0.730061	0.904677
Nhp2_j1	0.9602	1.07902	0.168319	0.415133	0.733098
D930048N14Rik	0	0.0977414 1.79769e+308		0.0119615	1
XLOC_004045	0.119407	0.255774	1.09898	0.267875	0.616532
Cdkl3_j1	0	0.0526954 1.79769e+308		0.105919	1
Cdkl3_j5	0.229708	0.205083	-0.163598	0.807086	0.93637
Cdkl3_j10	0.114086	0.255033	1.16056	0.136405	0.459374
Vdac1_j5	0	3.35033	0	1	1
Zcchc10_j1	0	0.534509 1.79769e+308		0.0044769	0.046737
Shroom1_j4	0	0.0890882 1.79769e+308		0.0523238	1
Sept8_j3	0.906492	2.20289	1.28103	0.0002339	0.0043617
Sept8	13.6545	16.6389	0.285189	0.0034743	0.0387061
XLOC_004063	0.086847	0.125916	0.535911	0.609598	1
Acs16	5.42737	5.95422	0	1	1
Fnip1_j2	0.0143472	0.138227	3.26821	0.0034037	1
Fnip1_j5	1.11325	0.930314	-0.258994	0.253766	0.601916
Rapgef6_j4	0.0492421	0.200079	0	1	1
Rapgef6_j7	0.666634	0.653511	0	1	1
Slc36a1_j2	0	0.734289	0	1	1
G3bp1_j2	0.3574	0.571327	0	1	1
Igtp_j5	0.744715	0.788744	0	1	1
4930438A08Rik_j1	0.126724	0.321176	1.34168	0.0022081	0.0269802
Mprip_j4	6.29296	5.91735	0	1	1
Mprip	4.54349	3.51877	0	1	1
Rai1_j1	2.17697	1.70514	-0.352434	0.0211618	0.146435
XLOC_004111	0.0164176	0.0605756	0	1	1
Llg1_j5	1.60533	1.78268	0.151178	0.59433	0.838473
Tnfrsf13b_j2	0.283014	0.43261	0.612196	0.185856	0.526194
Grap_j3	0.0382893	0.11562	1.59438	0.26814	1
Grap_j2	0.286691	0.604614	1.07652	0.0483032	0.252794
Specc1_j2	0.681106	0.747117	0	1	1
Specc1_j7	0.555808	0.288528	0	1	1
Trpv2_j2	4.90912	2.01898	0	1	1
Cdrt4_j1	0.0537959	0.0477253	-0.172742	0.902125	1
Zkscan6_j5	0.859923	1.449	0	1	1
9130409J20Rik_j4	0.845967	0.743829	-0.185631	0.620018	0.850928
Gas7_j5	1.05959	0.825801	0	1	1
Myh10_j4	1.37128	0.992955	0	1	1
Myh10_j8	5.0424	3.57628	0	1	1
1500010J02Rik_j8	0	0.131196	0	1	1
Tmem107_j1	1.41795	1.87092	0.399943	0.407171	0.727764
Per1_j1	1.04253	1.54283	0.565485	0.0038413	0.0416791
Aloxe3_j1	0.00114561	0.151372	7.04584	0.549612	1
Kcnab3_j2	0.0207508	0.143757	2.79239	0.039378	1
Sat2	0.0634456	0 -1.79769e+308		0.0605885	1
Sat2_j4	0	0.248751 1.79769e+308		0.0033376	0.0374822
Neurl4_j6	5.34842	5.79605	0.115957	0.617498	0.84948

Gps2_j5	0.93824	0.945272	0	1	1
Ybx2_j8	0.0610215	0.118927	0.962685	0.321615	1
Ybx2_j9	0.081528	0.133775	0.714446	0.555921	1
Phf23	2.84919	3.03858	0.0928501	0.690926	0.885572
Dlg4_j3	0	1.87118	0	1	1
Dlg4_j6	0	0.1568	0	1	1
Clec10a	0.0451648	0.808042	4.16116	0.0002147	0.0040654
Kif1c_j2	0.494408	0.0417241	0	1	1
Camkk1_j2	0.265493	0.176993	0	1	1
P2rx5_j2	1.00985	0.805746	0	1	1
Tax1bp3_j2	6.28593	7.69707	0	1	1
Shpk_j1	1.14496	1.60829	0	1	1
XLOC_004224	0	0.0880332	1.79769e+308	0.0460326	1
E130309D14Rik_j1	0.689778	0.727722	0	1	1
Mett10d_j1	0.414513	0.482935	0.220412	0.364463	0.698412
Tsr1	4.38841	4.61554	0	1	1
Smg6_j2	0.101725	0.0482836	0	1	1
Smyd4_j1	0.308705	0.734473	0	1	1
Prpf8_j1	6.82132	7.72118	0	1	1
Prpf8_j3	22.9064	25.4103	0	1	1
XLOC_004240	0.206613	0.19407	-0.0903531	0.853031	0.953424
Pitpna_j4	32.207	31.0831	0	1	1
Pitpna_j3	1.82817	2.89311	0	1	1
Myo1c	3.07615	3.50407	0	1	1
Ywhae_j5	11.008	10.0181	-0.135936	0.49834	0.783925
Myo18a_j5	0.280703	1.00412	0	1	1
XLOC_004263	0.25858	0.282563	0.127962	0.764511	0.919273
Phf12_j1	2.06842	2.56052	0	1	1
Flot2_j2	0.355753	0.00495576	0	1	1
Flot2_j1	1.13182	0.79696	0	1	1
Proca1_j6	0	0.153675	1.79769e+308	0.0451953	1
2610507B11Rik_j3	7.4226	10.3111	0	1	1
Vtn_j2	0	0.116708	1.79769e+308	0.0419121	1
Rab11fip4_j2	1.19986	1.66347	0	1	1
Rab11fip4_j1	1.18436	1.58344	0	1	1
Rab11fip4_j4	8.664	7.03047	0	1	1
Atad5_j1	0	0.0938618	1.79769e+308	0.013538	1
Rhot1_j1	0.0312763	0.17905	2.51722	0.0364666	0.211122
Zfp207_j1	17.5084	15.0487	0	1	1
Psm11_j1	3.58137	3.82574	0.0952282	0.597843	0.840519
Cdk5r1_j2	0.394868	0.761021	0	1	1
Tmem98	3.25894	4.46965	0.455757	0.0088605	0.0782746
XLOC_004309	0.0589912	0.125352	1.08741	0.389211	1
XLOC_004309	0.0576046	0.055452	-0.0549445	0.961781	1
Unc45b_j4	0.0484961	0.0607541	0.325113	0.834574	1
Slnf5_j1	0.206787	0.123175	-0.747436	0.174713	0.512897
Slnf1	0.113243	0.200621	0.82505	0.134935	0.457121

Ap2b1_j3	2.92766	2.04189	-0.519844	0.0035261	0.0391716
Rasl10b_j3	8.77547	8.36802	0	1	1
Heatr6_j2	1.03954	1.05617	0	1	1
Acaca_j1	0.403965	0.334423	-0.272559	0.642654	0.862182
Acaca_j9	0.520356	0.736374	0.500941	0.303101	0.648824
Acaca_j8	0.662029	0.19208	-1.78518	0.0235085	0.157319
Acaca_j14	0.0221265	0.331986	3.90728	0.0610348	0.29147
Acaca_j13	0.676362	0.474585	-0.51113	0.383573	0.713102
XLOC_004337	0.00826925	0.0679304	3.03823	0.281253	1
Bcas3_j2	0.267657	0.19718	0	1	1
Bcas3_j8	1.39034	2.1388	0	1	1
Tubd1_j1	0.9285	0.811108	-0.195008	0.625156	0.853774
Tubd1_j4	0	0.0665628	1.79769e+308	0.0670861	1
Mtmr4	11.3067	6.75818	0	1	1
Supt4h1	1.67355	0.625713	-1.41934	0.0006431	0.0100157
Supt4h1_j1	0.153438	0.0914055	-0.747304	0.494784	0.782608
Supt4h1_j3	0.142509	0.270296	0.923487	0.0892526	0.366263
Bzrap1_j3	0.0522034	0	-1.79769e+308	0.0021116	1
Mks1_j4	0.174916	0.269715	0.62477	0.429512	0.742785
Mks1_j6	0.552077	0.932505	0.756241	0.065905	0.306293
XLOC_004367	0.144014	0.111583	-0.368082	0.664009	0.872726
Cox11_j1	2.5468	2.60121	0.0304953	0.8777	0.96086
Car10_j2	2.0433	1.60323	0	1	1
Car10_j3	0.785531	0.730497	0	1	1
Car10_j5	0.33224	0.417946	0	1	1
Mbtd1_j5	0.110356	0.154173	0.482381	1	1
Mbtd1_j4	0.266999	0.13504	-0.983446	1	1
Mbtd1_j6	0.0655729	0.151774	1.21075	0.358391	1
Spag9	2.31034	1.36284	-0.761483	1.92E-05	0.000537
Spag9_j1	2.1823	3.20042	0.552412	0.0001461	0.0029484
Ankrd40_j1	5.48513	4.05218	-0.436827	0.0925769	0.374434
Chad_j1	0.38841	0.215723	-0.848399	0.275556	0.624571
Mrpl27_j3	0.162456	0.182268	0.166018	0.799733	0.933125
Ppp1r9b_j1	32.8313	33.4235	0.0257899	0.786668	0.928668
XLOC_004391	0.0586508	0.0950577	0.696653	0.427552	1
Slc35b1_j5	0.416785	1.19882	0	1	1
Spop_j4	0.149159	0.086721	-0.782398	0.276061	0.624922
Phb_j1	1.25511	1.02748	-0.2887	0.526449	0.801051
Zfp652_j6	0	0.0692922	1.79769e+308	0.00216	1
Snf8_j3	0.278575	0.316271	0.183092	0.615577	0.848435
AK078566_j1	0.528773	0.536539	0.0210361	0.961237	0.988989
Hoxb9_j2	1.7496	1.43717	-0.283795	0.240403	0.587787
Hoxb8	0.898401	0.592412	-0.600759	0.131345	0.451204
Hoxb7_j1	0.325189	0.260866	-0.317972	0.576537	0.829049
Hoxb5_j2	1.485	1.2525	-0.245646	0.190475	0.532606
Sp6_j1	6.93E-05	0.27016	11.928	0.885369	0.963679
Osbpl7_j1	0.876082	0.967031	0	1	1

Mllt6_j2	0	0.197904	0	1	1
Mllt6_j5	0.37367	0.637414	0	1	1
Psmb3_j8	0.729512	0.575724	-0.341556	0.446898	0.753618
Lasp1_j5	28.219	30.6717	0	1	1
Cdk12	1.28334	1.04672	0	1	1
Thra_j6	2.46394	0.952094	-1.37179	0.000807	0.0120551
XLOC_004437	0.177846	0.137551	-0.370657	0.508014	0.789986
Msl1	4.79576	5.41859	0	1	1
Casc3_j2	0	0.249981	0	1	1
Wipf2_j2	5.42715	4.62025	0	1	1
Eif1_j1	0.0277419	0.0832381	0	1	1
XLOC_004451	0.0864924	0.182409	0	1	1
Ttc25_j1	0.337357	0.197355	-0.773482	0.393218	0.719154
Cnp_j2	35.8698	39.842	0.151519	0.105837	0.403926
Stat5a_j1	0	0.14168	0	1	1
Naglu_j1	0.0290508	0.181078	2.63996	0.0027739	0.0323677
Coasy_j1	4.14914	5.29811	0	1	1
Coasy_j3	5.94287	6.15902	0	1	1
Cntnap1_j4	22.1019	16.4095	0	1	1
Vps25_j3	17.8532	17.5549	-0.0243048	0.883633	0.963053
Wnk4_j1	0	0.368827	1.79769e+308	0.0004299	0.0071763
Psme3_j3	2.08309	1.64365	-0.341816	0.0955777	0.381629
Psme3_j4	0.396473	0.927541	1.22619	8.47E-07	3.58E-05
Rdm1_j1	0.769517	1.43446	0.898485	0.0321635	0.194502
Tmub2	18.7191	19.3002	0	1	1
XLOC_004487	0	0.17925	1.79769e+308	0.0741755	0.328352
Adam11_j10	0.477648	0.119235	0	1	1
Adam11_j13	6.81316	6.81243	-0.00015411	1	1
Ccdc103	0	0.149415	0	1	1
Nmt1	3.74079	6.50328	0	1	1
Nmt1_j4	11.4485	9.32371	0	1	1
Acbd4_j1	0.831828	0.974294	0	1	1
Acbd4_j3	1.13841	1.22938	0	1	1
Acbd4_j7	1.44197	1.40159	0	1	1
Hexim2_j3	0.636628	0.439805	-0.533586	0.151655	0.482947
Hexim2	0	0.145641	1.79769e+308	0.0211363	1
Fmnl1_j1	0.98198	0.117095	-3.06801	2.78E-07	1.33E-05
Fmnl1	0.636032	0.556837	-0.191845	0.585464	0.833935
Fmnl1_j7	1.04796	0.683808	-0.615913	0.0687521	0.31425
Mettl2_j4	1.05691	1.06432	0.0100829	0.97757	0.993541
Mrc2	0.0867863	0.0139591	-2.63626	0.0454105	1
Mrc2_j1	0	0.235618	1.79769e+308	1.09E-06	4.42E-05
Tanc2_j2	0.505156	0.629271	0.316953	0.14249	0.469152
Gm11652	12.2663	12.7433	0.0550403	0.659016	0.870425
Ace_j2	0.166291	0.0253387	-2.7143	0.0213918	0.147482
Psmc5_j3	16.2317	14.8214	0	1	1
Gm885	0.0845384	0.265176	1.64927	0.0663513	0.307722

1810010H24Rik_j2	0	0.275415	1.79769e+308	0.0189658	0.13595	
1810010H24Rik_j3	0.622355	0.287925		-1.11204	0.130202	0.44924
Psm12_j1	0	0.370202	1.79769e+308	0.0051512	0.0518515	
Psm12_j3	14.7169	17.9929		0.289954	0.0443205	0.24008
Helz_j1	0	0.457984		0	1	1
Helz_j3	0.0490012	0.0929024		0	1	1
Helz_j2	0	0.0820369		0	1	1
Ccdc46_j1	0.267088	0.488448		0.870889	0.0160103	0.120452
Axin2_j2	0.41884	0.840251		0	1	1
Gna13_j1	0.0973429	0.0462953		0	1	1
Sstr2	1.25749	1.10394		-0.187888	0.552181	0.816261
XLOC_004541	0	0.0689821	1.79769e+308	0.145009	1	
Rpl38_j3	0.272619	0.217752		-0.324203	0.467569	0.766717
Dnaic2	0.00162228	0.306339		0	1	1
Dnaic2_j7	0	0.11951		0	1	1
Dnaic2_j8	0.244288	0.367078		0	1	1
Kif19a_j4	0.168445	0.220733		0	1	1
Gprc5c_j1	0.496218	0.188833		0	1	1
XLOC_004546	0.139847	0.23032		0.719789	0.190879	0.533094
XLOC_004550	0.222046	0.187737		-0.242145	0.478052	0.77269
Kctd2_j2	46.2664	48.2163		0.0595571	0.554763	0.817746
Mrps7_j1	26.3354	29.1161		0	1	1
Cdk3_j5	0.0238286	0.0834884		0	1	1
1810032O08Rik_j1	0	0.200171	1.79769e+308	0.0689097	0.314705	
1810032O08Rik_j4	0.21908	0.221663		0.0169128	0.987598	0.996374
Mfsd11_j3	4.63162	5.34665		0.207116	0.166462	0.502925
Mgat5b_j3	0.766108	0.869006		0.181819	0.617503	0.84948
Mgat5b_j4	6.74E-05	0.461073		12.7399	0.916493	0.973935
Sec14l1	4.78076	3.59939		-0.409487	0.021032	0.14591
Sept9_j1	7.05013	9.60728		0	1	1
Sept9	4.92363	4.08287		0	1	1
Gm11734_j5	0.0681045	0.0689521		0.0178448	0.989882	1
Tnrc6c_j1	1.17024	1.4757		0.334598	0.044331	0.24008
XLOC_004584	0.0971304	0.128424		0.402917	0.642891	1
Tmc8_j11	0.0584083	0.0574412		-0.0240881	0.985145	1
Afmid_j4	0.149422	0.273151		0.870302	0.121152	0.433418
Pgs1_j4	3.48019	5.44844		0	1	1
Pgs1_j7	3.22691	1.27789		0	1	1
Engase_j5	0.417776	0.73804		0.820968	0.226596	0.573689
Ccdc40_j1	0.117105	0.216429		0.886089	0.165894	0.502504
Card14_j1	0.25236	0.237746		-0.0860628	0.825879	0.94384
Card14_j8	0.465842	0.932104		1.00065	0.0034658	0.0386371
Rnf213_j1	0.228564	0.22664		0	1	1
Rnf213_j9	2.07149	3.2201		0	1	1
Bahcc1_j4	0	0.065649	1.79769e+308	0.000887	1	
Bahcc1_j3	1.42E-05	0.205314		13.8232	0.915311	0.973525
Hgs_j1	0.418815	0.309439		-0.436662	0.117477	0.426441

Anapc11_j2	0	0.0594174	1.79769e+308	0.036501	1
Lrrc45_j1	0.116039	0.208254		0 1	1
Aspscr1_j4	7.5969	7.30528		0 1	1
Lrrc45_j7	0.439553	2.68014		0 1	1
Hexdc_j4	0.607381	0.903205		0 1	1
Foxk2_j3	0.643296	0.63978		0 1	1
Tbcd	11.8251	9.57451		0 1	1
Tbcd_j5	18.8236	23.8207		0 1	1
Metrn1	4.29244	9.05907	1.07757	4.13E-08	2.48E-06
XLOC_004630	2.97925	9.50333	0	1	1
Drg1_j2	27.6914	33.792	0	1	1
Limk2_j5	12.0805	13.1931	0	1	1
Ccdc157_j5	0	0.0596031	1.79769e+308	0.001766	1
Mtmr3_j9	0.248779	0.197083	0	1	1
Mtmr3_j10	2.12359	3.06035	0	1	1
Nf2_j4	0.322552	0.181089	0	1	1
Nefh_j8	0.335339	0.445378	0	1	1
Gas2l1_j2	17.1703	17.2501	0	1	1
Emid1_j2	0.174446	0.237287	0.443848	0.528405	0.801996
Polm_j7	0.101642	0.182048	0.84082	0.178332	0.517853
Camk2b_j11	0	0.183719	0	1	1
H2afv_j1	4.18589	5.16527	0.30331	0.301105	0.64749
Tbrg4_j1	0.970118	3.88524	0	1	1
Tns3_j1	0.184295	0.190405	0	1	1
Tns3_j2	0.253999	0.259297	0	1	1
Tns3_j3	0.620181	0.400513	0	1	1
Hus1_j1	0.514672	0.522403	0	1	1
Zpbp_j3	0.0272112	0.0916569	1.75204	0.131394	1
Ddc_j1	0	0.0687764	1.79769e+308	0.0408694	1
Ddc_j2	0.25055	0.382748	0.611298	0.610352	0.846502
Grb10_j9	0.101586	0.173879	0	1	1
Cobl_j9	0	0.187133	0	1	1
Cobl_j11	1.14018	0.778874	0	1	1
XLOC_004704	0.0512832	0.120542	1.23298	0.564112	1
Actr2_j4	0.647817	3.54836	0	1	1
Cep68_j1	0.495016	0.675187	0.447814	0.0453519	0.243816
Aftph	1.82192	1.90322	0.0629757	0.756981	0.916197
Ehbp1_j5	9.69421	10.6047	0	1	1
Ehbp1_j8	2.32689	3.73376	0	1	1
Ehbp1_j7	0	0.346423	0	1	1
XLOC_004719	0.126033	0.168181	0.416219	0.559496	0.820676
Commd1_j1	12.6849	12.6597	0	1	1
mKIAA1841_j1	0.852871	1.08379	0	1	1
Papolg_j1	0.0547289	0.253329	2.21064	0.0034738	0.0387061
Eml6_j5	0.0312376	0.382453	0	1	1
Spnb2_j4	0	0.0732068	1.79769e+308	0.0017604	1
4930505A04Rik_j1	3.34E-06	0.0882933	14.6918	0.99599	1

Npm1_j4	0.661914	0.796856	0.267675	0.323563	0.666592
Tlx3_j3	28.7536	31.4485	0.12925	0.440374	0.749633
Tlx3_j4	0.485967	0.520655	0.09947	0.716662	0.897711
Kcnip1_j5	10.0693	7.81511	-0.365627	0.0346088	0.204274
Kcnip1_j2	0.120022	2.30855	4.26562	4.50E-07	2.04E-05
Dock2_j7	0	0.100493	1.79769e+308	0.0477721	1
Dock2_j13	0.014507	0.123618	3.09107	0.09859	1
Wwc1_j4	0	0.19697	1.79769e+308	0.0149831	0.114888
Wwc1_j6	0	0.0770921	1.79769e+308	0.0537461	1
Odz2_j7	0.129288	0.114634	-0.17355	0.716167	1
Odz2_j9	0.101434	0.185117	0.867894	0.0412624	0.228493
Odz2_j10	0.0247089	0.0737774	1.57815	0.0401097	1
Mat2b	5.53882	5.38918	0	1	1
Gabrg2_j1	2.97251	2.07441	0	1	1
Ublcp1_j9	0.203381	0.206215	0	1	1
Lsm11_j3	0.0461595	0.567755	0	1	1
Sgcd_j1	1.23361	1.13701	0	1	1
Sgcd_j4	5.36E-05	0.362711	0	1	1
Trim41_j1	1.25421	1.16754	-0.103307	0.748891	0.912691
Sqstm1_j5	145.437	185.243	0	1	1
Maml1_j2	0	0.169354	1.79769e+308	0.0107239	0.0901284
Zfp879_j2	0.0283086	0.0748779	0	1	1
Zfp879	0.0873115	0.0976066	0	1	1
Zfp354b_j1	0.0807059	0.117472	0.541565	0.548275	1
Phf15	0.350454	0.310989	-0.172362	0.634049	0.858073
Ube2b_j3	0.276532	0.264557	0	1	1
Ube2b_j6	1.3759	2.38203	0	1	1
Ube2b_j5	2.26195	3.04312	0	1	1
Tcf7_j2	0	0.0559248	1.79769e+308	0.0926831	1
Slc22a5_j3	0.000336652	0.761738	0	1	1
Cdc42se2_j5	6.56984	9.29012	0	1	1
Tnip1_j1	0	0.107856	1.79769e+308	0.0008323	1
Tnip1_j2	0.0552208	0.000300987	-7.51937	0.579024	1
Anxa6	53.5021	54.187	0	1	1
Sparc_j2	112.29	116.426	0	1	1
Atox1_j1	17.6997	29.2808	0	1	1
Gemin5_j6	0.936124	1.36253	0	1	1
Gemin5_j7	0	0.125694	0	1	1
Rnf187_j2	0.530899	0.392181	-0.436919	0.487906	0.778493
Obscn_j1	0.0789816	0.241051	1.60975	0.0827967	0.350783
Tom1l2_j3	26.9243	23.1822	0	1	1
Flii_j4	0	0.697685	1.79769e+308	9.35E-05	0.0020292
Usp22_j4	7.61227	9.73304	0	1	1
Slc47a1_j8	0	0.086605	1.79769e+308	0.0934259	1
Slc47a1_j6	0.0389305	0.383608	3.30066	0.0100448	0.085812
Rnf112_j1	0.291193	0.622511	0	1	1
Epn2_j4	0	0.118936	0	1	1

Prpsap2_j3	0.182722	0.179655	-0.0244173	0.94611	0.983919
Prpsap2_j11	0.134113	0.125176	-0.0994934	0.963349	1
Prpsap2_j14	0.119136	0.247277	1.05352	0.548271	0.814119
Ulk2_j1	8.96166	11.1789	0	1	1
Ncor1_j5	4.68865	5.38868	0	1	1
Ncor1_j7	0.596794	0.632761	0	1	1
Cenpv_j1	3.15588	3.18288	0.0122872	0.972274	0.991962
Cenpv_j2	0.586595	0.727233	0.310054	0.550454	0.815351
Gm12279_j2	25.9854	45.0237	0.792985	0	0
Zfp287_j3	0.250706	0.451985	0.850276	0.0200774	0.141217
Zfp286_j2	0	0.0783989	1.79769e+308	0.0329156	1
Cox10_j1	0.896395	2.09693	1.22607	6.95E-05	0.0015758
Arhgap44_j8	20.8528	20.2032	0	1	1
Map2k4_j4	15.2952	10.5795	0	1	1
Dnahc9_j11	0.00714591	0.144606	4.33886	0.158193	1
Shisa6_j2	0.109103	0.071446	-0.610764	0.58659	1
2310004I24Rik_j1	4.82104	5.88919	0	1	1
Wdr16_j2	0.0975431	0.118414	0.279729	0.797706	1
Wdr16_j4	0.0858891	0.067366	-0.350455	0.799995	1
Ntn1	0.209849	0.29766	0.504318	0.1715	0.50855
Pfas_j1	0.463836	0.783398	0	1	1
Chd3_j4	10.7885	14.4415	0	1	1
Chd3_j5	6.19627	6.50138	0	1	1
Chd3_j6	1.17869	1.60848	0	1	1
Chd3_j7	8.50276	9.67976	0	1	1
Cyb5d1_j3	17.1798	17.895	0	1	1
Dnahc2_j7	0.0194308	0.0683703	1.81503	0.298042	1
Dnahc2_j10	0.113309	0.0519058	-1.1263	0.459982	1
Dnahc2_j12	0.0755407	0.159075	1.07438	0.226597	0.573689
Dnahc2_j14	0.0509998	0.0911668	0.838017	0.417109	1
Wrap53	0.47335	0.371682	-0.34884	0.152437	0.484103
Polr2a_j2	3.1618	6.15094	0	1	1
Nlgn2_j5	25.7061	33.9676	0.402051	8.13E-06	0.000258
Tnk1_j1	0.408346	0.634592	0	1	1
Acap1_j1	0.0589246	0.0703519	0.255719	0.868854	1
Acap1_j6	0.0751164	0.140446	0.902812	0.321315	1
2810408A11Rik_j4	0.0821512	0.178197	1.11712	0.290129	0.637464
Eif5a_j2	71.5988	82.0009	0	1	1
Slc16a13_j3	0.214823	0.358099	0.737209	0.163038	0.498224
0610010K14Rik_j4	1.07855	0.457019	-1.23877	0.0118707	0.0974142
0610010K14Rik_j2	1.92414	2.7021	0.489867	0.036235	0.210202
0610010K14Rik_j3	0	0.627449	1.79769e+308	7.69E-05	0.0017143
Alox12_j3	0.107945	0.384534	1.83281	0.0057644	0.0567232
Cxcl16_j6	0	0.0893893	1.79769e+308	0.0045912	1
Cxcl16_j5	0	0.106972	1.79769e+308	0.0019455	1
Slc25a11_j1	16.0227	15.9143	-0.00979516	0.944819	0.983636
Slc25a11_j3	7.31576	8.96146	0.292727	0.0051461	0.0518211

Camta2_j2	19.8691	17.1009	0	1	1
C1qbp_j1	27.8044	24.8157	0	1	1
Dhx33_j5	0.345309	0.784243	0	1	1
Derl2	8.51076	8.93466	0	1	1
Pitpnm3_j8	0	0.0832727	1.79769e+308	0.003134	1
Pitpnm3_j7	0.0129043	0.0718708	2.47756	0.0292942	1
Slc13a5	0.0674289	0.0958423	0.507295	0.56076	1
Slc13a5_j1	0.0297009	0.0739483	1.31601	0.346316	1
Spns3_j6	0.0301918	0.0765266	1.34181	0.46331	1
mKIAA1039_j8	0.237836	0.702176	0	1	1
Pafah1b1_j4	0	0.772864	0	1	1
Sgsm2_j4	0	0.802523	0	1	1
Hic1	0.0268632	0.227574	3.08263	0.0041322	0.043964
Rpa1_j4	8.19672	9.57032	0	1	1
Rph3al_j1	0.202791	0.0518423	-1.96779	0.092411	0.37398
Rph3al_j2	0.00635464	0.200709	4.98115	0.0468766	0.248315
Abr_j4	0.122403	0.460364	0	1	1
Efcab5_j8	0.0367727	0.0927827	1.33522	0.435081	1
Ankrd13b_j1	6.05543	7.30071	0	1	1
Trp53i13	1.58164	1.83405	0.213611	0.115125	0.422076
Taok1_j3	0	0.165727	0	1	1
Pipox_j4	0.501084	0.349421	-0.520088	0.388991	0.716261
Rpl23a_j3	0.820728	0.821615	0	1	1
Ksr1_j10	0.331174	0.411486	0.313253	0.394257	0.719811
Ksr1_j12	0.304141	0.300577	-0.017004	0.961244	0.988989
Myo1d_j5	0.447238	0.549206	0	1	1
Cct6b_j3	0.0487997	0.0542345	0.152341	0.891372	1
Gm11423_j1	0.000313715	0.0494855	7.30141	0.868052	1
Rffl_j2	0	0.072063	1.79769e+308	0.0096529	1
Slfn9_j3	0.000152979	0.458443	0	1	1
Slfn9	0.108838	0.0657875	0	1	1
Slfn8_j5	0.0288892	0.106769	0	1	1
Mmp28	0.108515	0.225975	0	1	1
Mmp28	0	0.311156	0	1	1
Tada2a_j6	0	0.439415	0	1	1
Znhit3_j1	12.0821	14.7364	0.28651	0.0463831	0.246963
Usp32_j1	0.193384	0.0780836	0	1	1
Appbp2_j3	0.197018	0.671228	0	1	1
Appbp2_j4	4.46048	4.30023	0	1	1
Tmem49_j4	20.9373	18.3665	0	1	1
Ppm1e_j2	4.31563	4.24638	0	1	1
Utp18_j2	2.37263	2.78228	0.229779	0.450582	0.756203
Nme1_j2	111.903	137.761	0.299918	0.004035	0.0431757
Luc7l3	10.1434	10.2465	0	1	1
Epn3_j5	0.0708303	0.380244	0	1	1
Epn3_j6	0.148158	0.0741147	0	1	1
Mycbpap_j3	0.451956	0.545205	0	1	1

Rsad1_j1	0	0.23162	0	1	1
Acsf2_j1	2.72281	2.84477	0	1	1
Acsf2_j5	0.103457	0.347981	1.74998	0.316164	0.659988
Xylt2_j3	1.75891	1.89166	0.104975	0.67835	0.879061
Itga3_j9	13.9509	15.6475	0.165578	0.0830123	0.351047
Itga3_j8	2.50951	0.711574	-1.81832	3.98E-12	5.15E-10
Nxph3_j1	2.17464	2.34677	0.109898	0.662912	0.872283
Ngfr_j3	25.626	40.7321	0	1	1
Snx11_j4	0	0.750652	0	1	1
Cdk5rap3_j1	0	0.626416	1.79769e+308	0.0001208	0.0025167
Sp2	0.110752	0.232823	1.0719	0.108016	0.408563
AM295304	0.0128734	0.134159	3.38148	0.0209044	1
Tbkbp1_j9	0.0884779	0.0590419	0	1	1
Tbkbp1_j10	2.70477	2.3393	0	1	1
Npepps_j1	12.2118	12.0966	0	1	1
Gpr179_j2	0	0.0843242	1.79769e+308	0.0008367	1
Gpr179_j3	1.43E-05	0.0502287	11.7744	0.942158	1
Gpr179_j4	0	0.0558653	1.79769e+308	0.0054408	1
Srcin1_j6	0.858922	0.554961	0	1	1
Srcin1_j8	0.123943	0.0295732	0	1	1
AK155239_j2	0.0201552	1.03499	0	1	1
Rpl23_j5	0	0.079098	1.79769e+308	0.127141	1
Rpl23_j4	0.193096	0.188819	-0.0323183	0.972151	0.991962
Plxdc1_j7	0	0.549513	1.79769e+308	2.28E-06	8.52E-05
Med1_j1	0	0.209354	0	1	1
1810046J19Rik_j1	11.1147	12.8805	0	1	1
Ikzf3_j3	0.187387	0.30577	0.706427	0.401864	0.725127
Krt25_j1	0.523408	0.666698	0.349098	0.537234	0.807392
Krt10_j3	0	0.0844474	1.79769e+308	0.232142	1
Krt19_j1	0	0.232578	1.79769e+308	0.015426	0.117303
Krt9_j3	0.0980945	0.112906	0.202877	0.867577	1
Krt16	0.134142	0.364802	1.44336	0.0086534	0.0769612
Klhl11_j1	2.71448	3.12633	0.203796	0.242363	0.589797
Acly_j1	3.28108	3.04139	0	1	1
Dnajc7_j1	5.0023	6.36824	0.348302	0.0009021	0.0131848
Dnajc7_j8	0.914361	1.09003	0.253528	0.316456	0.660085
Kat2a	0.54589	0.296266	0	1	1
Kcnh4	0.0858718	0.214839	1.323	0.0066819	0.0635317
Kcnh4_j4	0.00974869	0.216923	4.47583	0.128576	0.446769
Kcnh4_j5	0	0.0655343	1.79769e+308	0.0636069	1
Ptrf_j1	9.65458	14.0763	0.543979	1.08E-06	4.40E-05
Psmc3ip_j1	0.345109	0.590663	0	1	1
Fam134c_j2	6.3659	6.59136	0	1	1
Plekhh3_j5	0	0.27648	1.79769e+308	0.0011465	0.0159571
Ezh1_j2	0.293694	0.460812	0	1	1
Ccdc56_j1	0.822438	0.908941	0.14428	0.516272	0.794854
Brca1_j2	0.406783	0.269776	-0.592497	0.3746	0.707248

Brca1_j4	0.0498401	0.123243	1.30612	0.122239	1
Etv4_j2	0.278475	0.354111	0.346656	0.473868	0.770243
Mpp3_j1	0.534769	0.755473	0.498463	0.287102	0.635532
Atxn7l3_j3	0	0.318851	0	1	1
Ubtf	0.416178	3.20305	0	1	1
Ubtf	0	1.95939	0	1	1
Itga2b_j1	0.0261922	0.171691	2.7126	0.0084462	0.0755595
Gfap_j1	0	0.146882	1.79769e+308	0.0076523	1
1700023F06Rik_j2	0.217713	0.337228	0.631295	0.327557	0.670398
1700023F06Rik_j3	0.0426055	0.0784261	0.880294	0.56038	1
1700081L11Rik_j1	0.426137	0.135634	0	1	1
1700081L11Rik_j3	0.625018	0.58763	0	1	1
Ftsj3_j3	0	0.31007	0	1	1
Scn4a_j4	0.161203	0.301391	0	1	1
Ddx5_j6	1.10419	1.46856	0	1	1
Ddx5_j8	5.1597	4.73961	0	1	1
Kpna2_j2	0	0.0921294	1.79769e+308	0.0889406	1
Bptf_j6	0.488463	0.817554	0.743066	0.0001909	0.0036917
Pitpnc1_j4	4.39341	6.73143	0	1	1
Prkca_j3	0	2.78872	0	1	1
Cdc42ep4_j4	1.16932	1.4528	0	1	1
Sdk2_j4	0.100253	0.154177	0.620939	0.118821	1
Cd300ld	0.169426	0.35178	1.05402	0.0073169	0.0681226
AF251705_j2	0.0253788	0.392335	3.95039	0.0713906	0.321278
AF251705_j4	0.175183	0.175056	-0.00104376	0.999159	0.999631
AF251705_j3	0.0724255	0.255814	1.82052	0.138604	0.463017
Nat9_j3	0.327138	0.233476	-0.486627	0.561008	0.82146
Fdxr	1.6384	2.66362	0	1	1
Sumo2_j3	0.153034	0.244481	0.675876	0.352307	0.68925
Gga3_j2	1.22191	1.35472	0	1	1
Gga3_j3	0.482431	0.454676	0	1	1
Grb2_j1	16.9704	14.0327	0	1	1
Grb2_j2	4.92975	12.4449	0	1	1
Unc13d_j5	0.0496446	0	-1.79769e+308	0.0311222	1
Unc13d_j7	0	0.0594433	1.79769e+308	0.0196433	1
Wbp2_j3	28.5419	3.59504	0	1	1
Acox1_j2	19.7147	19.5756	0	1	1
Acox1_j3	0	0.114444	0	1	1
Exoc7_j3	4.99698	4.68671	0	1	1
Rhbdf2_j5	0.332369	0.575574	0.792215	0.17659	0.515457
Rhbdf2	1.05312	0.985202	-0.0961781	0.692154	0.886063
Cygb_j3	1.08931	0.724628	0	1	1
St6galnac2_j6	0.124089	0.295455	1.25156	0.257916	0.606586
Tha1_j2	0	0.254515	1.79769e+308	0.0035403	0.0392797
Tha1_j3	0.0723665	0.0839093	0.213508	0.868005	1
XLOC_005363	0	0.092	1.79769e+308	0.154559	1
Usp36_j3	0	0.0613605	0	1	1

Timp2_j2	0.43794	0.333919	0	1	1
Cant1_j3	7.06179	8.61421	0	1	1
Rbfox3_j3	0.666261	0.865022	0	1	1
Rbfox3_j4	16.169	2.67175	0	1	1
Tbc1d16_j2	6.17E-05	0.231052	0	1	1
Aatk_j8	9.88242	12.5369	0	1	1
2810410L24Rik_j1	0.0239838	0.0931576	1.95762	0.120351	1
2310003H01Rik_j2	0	0.158664	0	1	1
Pcyt2_j3	22.1559	27.0386	0	1	1
Sirt7_j1	3.70249	3.46732	0	1	1
Sirt7_j2	0.0467212	0.0233231	0	1	1
Sirt7_j10	0.908024	1.19377	0	1	1
Notum_j2	0	0.0894449	1.79769e+308	0.02556	1
Cbr2_j1	0	0.294724	1.79769e+308	0.0142125	0.110668
Fasn	16.8468	12.8823	-0.387084	3.31E-05	0.0008426
Rab40b_j2	0.106122	0.0947738	-0.163167	0.894286	1
mazr_j1	0.17106	0.583547	0	1	1
mazr_j3	0.319737	0.402256	0	1	1
mazr_j2	0.371781	0.363142	0	1	1
Selm_j2	13.3273	15.8371	0.248919	0.315096	0.659071
Morc2a_j5	0.139974	0.182482	0.382594	0.47504	0.770913
Pes1_j4	0.515563	0.374787	-0.46008	0.431435	0.743586
Gal3st1_j1	1.24196	1.59973	0	1	1
Ascc2_j1	0.776726	1.1561	0	1	1
XLOC_003913	0.15127	0.161685	0.0960657	0.903529	0.969103
Aebp1_j1	0	0.0610438	1.79769e+308	0.0551347	1
Adcy1_j3	2.96277	2.27938	-0.378304	0.0015461	0.0202424
Vwc2_j2	1.56131	2.06654	0.404464	0.0721182	0.323001
Egfr_j4	0.105591	0.0878611	-0.265192	0.720679	1
XLOC_003953	0	0.0858895	1.79769e+308	0.105349	1
Sertad2	0.270094	0.222861	0	1	1
Cct4_j4	19.7697	23.2358	0	1	1
Fam161a_j7	0	0.173182	1.79769e+308	0.0153649	0.117034
Fam161a_j8	0.313558	0	-1.79769e+308	8.10E-07	3.46E-05
Fam161a_j9	0.254515	0.276966	0.121962	0.784042	0.927342
Gm12059_j1	0.0818061	0.228691	1.48312	0.136842	0.459937
Xpo1_j6	0	0.171851	0	1	1
Xpo1_j7	0.605455	0.732012	0	1	1
Usp34_j1	0.0305829	0.0755409	1.30453	0.0586416	1
Usp34_j8	1.46556	1.28105	-0.194126	0.334595	0.675359
Bcl11a_j2	0.442703	0.475493	0.103085	0.889432	0.964959
Fancl_j4	0	0.233904	1.79769e+308	0.0281856	0.178163
Efemp1_j2	1.3171	1.87312	0.508074	0.0858352	0.357676
Smek2_j2	0.0265889	0.0604725	1.18546	0.124885	1
Mtif2_j1	1.23121	1.09492	0	1	1
Mtif2	2.47083	2.46041	0	1	1
Rtn4_j5	0	1.9131	1.79769e+308	3.07E-15	6.25E-13

Rtn4_j6	0.132018	0.275334	1.06045	0.114026	0.419996
Asb3_j2	0	0.107278	1.79769e+308	0.0027524	1
Fbxw11	25.3295	27.8147	0	1	1
Fbxw11	1.33182	1.38641	0	1	1
Fbxw11	1.2049	1.22167	0	1	1
Fbxw11	10.5607	9.8327	0	1	1
XLOC_003992	0	0.264445	1.79769e+308	0.145146	0.472985
XLOC_003992	0.0595706	0.029835	-0.997594	0.544765	1
Slit3_j2	0	0.109313	1.79769e+308	0.0407822	1
Slu7_j1	0	0.898541	0	1	1
Ccnjl_j1	0	0.0781207	1.79769e+308	0.0299846	1
XLOC_004013	0.070014	0.14653	1.06548	0.12049	1
Rnf145_j4	2.95298	4.30683	0	1	1
Ebf4_j5	1.1875	2.55241	0	1	1
Trim7_j4	0.0741398	0.309131	0	1	1
Zfp62_j1	0.818102	0.995972	0	1	1
XLOC_004027	0.0363272	0.0510904	0	1	1
Mgat1_j1	4.23288	3.61841	0	1	1
Gfpt2_j3	0.114534	0.368381	1.68542	0.0262692	0.170132
Mapk9_j1	2.89898	1.0284	0	1	1
XLOC_004034	0.0650229	0.162148	1.31829	0.423309	0.738697
3010026O09Rik_j1	10.4176	11.3735	0	1	1
Hnrnph1_j4	3.55714	3.30013	-0.108194	0.657501	0.869501
Hnrnph1_j5	0.20091	0.304112	0.598051	0.449157	0.755415
Hnrnph1_j7	1.56464	1.57776	0.0120445	0.969561	0.991454
Hnrnph1_j6	1.39572	1.51934	0.122429	0.702259	0.890877
Clk4_j1	0.0118541	0.155809	0	1	1
Agxt2l2_j4	6.83425	7.49834	0.133788	1	1
Ppp2ca_j2	22.5236	27.3177	0	1	1
Skp1a_j2	2.28659	2.49418	0	1	1
Vdac1_j6	60.1625	71.9866	0	1	1
Aff4_j2	0.204396	0.224079	0	1	1
Gdf9_j1	2.38948	2.28847	-0.0623134	0.680563	0.879921
Kif3a_j2	4.15246	5.64836	0	1	1
Slc36a1_j3	37.2601	37.7025	0	1	1
G3bp1_j3	0.163742	0.0595442	0	1	1
XLOC_004075	0.0533953	0.0658978	0.303517	0.818821	1
Sap30l_j1	11.2994	19.536	0	1	1
Larp1_j2	0.209701	0.274108	0	1	1
Mrpl22_j4	3.49E-05	0.623065	14.1225	0.94531	0.983703
Igtp_j3	0.827905	0.654559	0	1	1
Irgm2	0.917671	0.880625	0	1	1
Zfp692-ps_j1	2.02202	2.23554	0.144822	0.553309	0.817135
Zfp692-ps_j8	1.00673	1.32089	0.391836	0.0834564	0.352255
Trim17_j1	3.50487	4.99148	0.510107	0.002872	0.0332502
4933439C10Rik_j1	1.02242	1.02768	0	1	1
Lrrc48_j1	0.576969	0.37895	0	1	1

Lrrc48	1.04483	0.901207	0	1	1
Myo15_j6	0.115757	0.110824	-0.0628358	0.936606	1
Myo15_j11	0.0757653	0.0402346	-0.913101	0.501448	1
Alkbh5_j2	6.86787	6.73591	0	1	1
Smcr7_j4	1.33202	1.26724	0	1	1
Smcr7_j5	0.402925	0.152125	0	1	1
Specc1_j5	0.163598	0.256345	0	1	1
Trpv2	17.9308	23.9855	0	1	1
Trpv2_j5	14.7967	20.6102	0	1	1
Mmgt2_j3	0.000751903	1.52699	10.9879	0.483128	0.775896
Fam18b_j1	0.391643	0.497043	0.343832	0.688225	0.884104
Cdrt4_j3	0.10659	0.119373	0.163408	0.837228	1
Elac2_j2	0.281927	0.280495	0	1	1
Zkscan6_j1	0	0.120963	0	1	1
Zkscan6_j2	0.646883	0.215789	0	1	1
Zkscan6_j3	0.0672383	0.301902	0	1	1
Pirt_j2	0.770949	0.398929	0	1	1
9130409J20Rik_j6	0.0541853	0.584852	3.4321	0.0008393	0.0124502
Tmem220_j3	0	0.06472	1.79769e+308	0.0875764	1
Sco1_j2	0.400137	0.349274	0	1	1
Sco1_j1	1.19167	1.26764	0	1	1
Myh8_j5	0	0.133072	1.79769e+308	0.0032118	1
Myh8_j7	0.0609206	0.0787521	0.370387	0.766549	1
Gas7_j2	0	0.507114	0	1	1
Gas7_j1	0.0745965	0.934899	0	1	1
Pik3r5_j1	0.0189619	0.130147	2.77896	0.0118938	1
Pik3r5_j3	0	0.0902154	1.79769e+308	0.0093694	1
Pik3r6_j4	0.125273	0.127756	0.0283143	0.974428	1
1500010J02Rik_j9	0	0.42613	0	1	1
Per1_j3	0.879791	1.09413	0.314555	0.204095	0.548338
Per1_j5	1.17841	1.9117	0.698017	0.0045244	0.0471281
Alox12b_j2	0.199438	0.13901	-0.520758	0.49406	0.782369
Trp53_j8	5.57731	5.5215	-0.0145084	0.952702	0.986322
Sat2_j1	2.02745	1.89519	-0.0973247	0.762452	0.918142
Zbtb4_j1	5.49866	4.08353	0	1	1
Zbtb4_j3	4.52968	4.3046	0	1	1
Gps2_j6	0.342029	0.460571	0	1	1
Phf23_j3	0	0.203953	1.79769e+308	0.0168017	0.124749
Phf23_j4	0	0.4247	1.79769e+308	0.0021756	0.0266564
Mgl2_j2	0.243194	0.0551398	-2.14094	0.100877	0.393239
Pld2_j11	0.846769	0.926139	0.12926	0.697165	0.888506
XLOC_004200	0.0466222	0.0764943	0.714336	0.48598	1
Eno3_j1	3.32897	3.60215	0.113783	0.442217	0.750452
Kif1c_j3	0.961155	0.810185	0	1	1
Rabep1_j1	0.808386	0.410872	0	1	1
Mybbp1a_j2	5.26234	6.12398	0	1	1
Ube2g1_j1	8.95061	10.6711	0	1	1

Ankfy1_j3	0.158119	0.0932586	-0.761699	0.15933	0.493926
Atp2a3	0.634299	0.53722	-0.23965	0.370676	0.703732
Trpv1_j3	2.89711	4.05675	0.48571	0.0052073	0.0523072
1300001I01Rik_j2	0	0.0533556	1.79769e+308	0.0451135	1
1300001I01Rik_j3	1.01961	1.01303	-0.00933141	0.972351	0.991962
Mnt_j1	4.35162	3.2227	0	1	1
XLOC_004229	0.213946	0.328348	0	1	1
Smg6_j1	2.42223	2.29324	0	1	1
Rilp_j4	0.758071	0.668283	-0.181874	0.742416	0.909901
Inpp5k_j2	1.48324	1.4742	0	1	1
Ywhae_j1	6.98278	9.0719	0.377603	0.0071174	0.0667355
Ywhae_j3	0.14683	0.391617	1.41529	0.219419	0.566003
Ywhae_j6	0.153778	0.550835	1.84078	0.0868965	0.360342
Tusc5_j3	6.09577	12.4386	0	1	1
Tmigd1_j1	0.0422142	0.175598	2.05647	0.103616	0.39914
Coro6_j1	0.778113	0.588346	0	1	1
Coro6_j2	4.04997	2.50022	0	1	1
Coro6_j3	5.7392	3.49349	0	1	1
Coro6_j4	4.2792	2.80026	0	1	1
Git1_j1	0.330109	0.34134	0.0482658	0.869337	0.958432
Myo18a	9.21219	8.86216	0	1	1
Sez6_j1	0.000817001	0.749832	0	1	1
Sez6_j3	2.1161	3.63352	0	1	1
Tlcd1_j2	1.3092	1.24025	0	1	1
Rab34_j3	1.68658	2.21031	0.390148	0.0961768	0.382865
Proca1_j1	0	0.0756307	1.79769e+308	0.0959924	1
Rab11fip4_j5	0	0.139053	0	1	1
XLOC_004285	0	0.0895032	1.79769e+308	0.0038476	1
XLOC_004287	0.0380859	0.0597904	0.650656	0.705369	1
Atad5_j5	0.00367983	0.207809	5.81947	0.0114137	0.0945238
Adap2	0.119987	0.166323	0.471114	0.410951	0.730555
Adap2_j1	0	0.0978526	1.79769e+308	0.0172847	1
Rhot1_j5	0.0634273	0.0329487	-0.944883	0.563482	1
Rhot1_j7	4.01855	5.13097	0.352558	0.180913	0.520777
Rhbdl3_j1	1.32642	0.897851	-0.562985	0.0330114	0.197926
Psm11	0.564187	0.49457	-0.19	0.579635	0.831029
Psm11_j3	0.378606	0.839304	1.1485	0.0033865	0.0379445
Tmem132e_j5	13.618	10.0769	0	1	1
Ap2b1_j5	43.9473	47.7809	0.120661	0.165608	0.502238
Taf15_j7	0.240273	0.448219	0.899528	0.166919	0.503257
Taf15_j8	1.35854	1.65939	0.2886	0.405295	0.726998
Heatr6_j1	0.286619	0.000334739	0	1	1
Heatr6_j3	0.019589	0.51072	0	1	1
Hnf1b	0.196799	0.273883	0.47684	0.274526	0.6237
Acaca_j17	2.07056	1.63297	-0.342518	0.427028	0.741449
Bcas3_j3	0.450338	0.772571	0	1	1
Bcas3_j4	1.35005	0.427384	0	1	1

Tubd1_j7	0.0370762	0.0700253	0.917382	0.5925	1
Tex14_j1	0.0644117	0.144558	1.16625	0.226214	1
Bzrap1_j14	2.97912	2.6098	-0.190945	0.266533	0.615602
AK040276_j1	0.0774218	0.123307	0.671448	0.544432	1
Cuedc1_j2	2.96011	3.57866	0.273771	0.0968061	0.38433
Coil_j1	0.05762	0.424389	2.88074	0.0044466	0.0465096
Gm10022	0.00365727	0.526626	7.16987	0.29741	0.643996
Mbtd1_j3	0.200997	0.117452	-0.775101	0.400398	0.723889
Mbtd1_j2	0	0.0956352	1.79769e+308	0.0527515	1
Mbtd1_j7	0.262914	0.293285	0	1	1
Col1a1_j2	4.48237	7.53332	0.749024	1.82E-07	9.08E-06
Ppp1r9b_j2	0	0.088856	1.79769e+308	0.0449129	1
Ppp1r9b_j4	0	0.77152	1.79769e+308	4.95E-06	0.0001677
Samd14_j7	0.364686	0.444852	0.286672	0.679452	0.879493
Slc35b1_j2	6.67558	7.50939	0	1	1
Spop_j2	1.53674	3.21935	1.0669	3.50E-08	2.16E-06
Spop_j6	29.0005	32.6595	0.171423	0.0541862	0.271315
Phb_j2	0.0551797	0.15575	1.49702	0.419984	1
Gngt2_j4	0	0.37121	1.79769e+308	0.0189492	0.13587
Ttll6_j1	0.0918063	0.220186	1.26206	0.0136097	0.107311
Skap1_j1	0	0.115816	1.79769e+308	0.0548564	1
Copz2_j1	3.4787	2.54263	-0.452223	0.148713	0.477528
D030028A08Rik_j1	0.144225	0.270167	0.905526	0.0742906	0.328593
Mrpl10_j3	7.80699	7.62925	0	1	1
Socs7_j2	1.10288	1.15863	0	1	1
Arhgap23_j3	0.122063	0.122477	0	1	1
Arhgap23_j4	0	0.232263	0	1	1
Psmb3_j6	2.55923	1.87739	-0.446984	0.218134	0.564496
Lasp1_j3	0	0.0547354	0	1	1
Lasp1_j6	0.95803	0.530884	0	1	1
Cdk12_j1	1.32458	2.00125	0	1	1
Cdk12_j2	0.200115	0.219179	0	1	1
Erbp2_j2	1.45336	1.90842	0	1	1
Thra_j4	27.5996	39.8138	0.528618	1.58E-06	6.13E-05
Wipf2_j1	1.75616	2.1857	0	1	1
Ttc25_j7	0.0634365	0.270176	2.09051	0.239912	0.587265
Stat5a	0.151428	0.691631	0	1	1
Tubg1	7.171	7.18358	0.00252902	0.987113	0.996293
Vps25_j5	2.62371	1.83691	-0.514327	0.229369	0.576443
Cntd1_j1	0.0444505	0.208261	2.22812	0.144036	0.471055
Aoc3_j2	0	0.0837392	1.79769e+308	0.009453	1
Tmem106a_j1	0	0.170435	0	1	1
Rdm1_j4	0.0911125	0.120852	0.407522	0.70639	1
Cd300lg_j1	0.0582546	0.0834113	0.517871	0.649631	1
G6pc3_j2	0.4335	0.97738	1.17289	0.0261235	0.169612
Rundc3a	19.709	24.2439	0	1	1
Grn_j1	4.28862	9.66477	1.17222	1.82E-10	1.74E-08

Adam11_j12	1.46616	2.15126	0	1	1
Adam11_j11	4.31553	3.06329	0	1	1
Ccdc103_j3	0.0411795	0.289164	0	1	1
Acbd4_j2	0.484625	0.399817	0	1	1
Fmnl1_j10	1.40145	1.10913	-0.337502	0.288253	0.636106
Crhr1_j1	0.0643919	0.0656415	0.0277293	0.986524	1
Tlk2_j1	0.672584	0.820982	0.287636	0.229386	0.576443
Tlk2_j9	0.34317	0.347745	0.0191047	0.979637	0.994006
Tanc2_j1	1.05541	0.708226	-0.575518	0.0022209	0.0270685
Map3k3_j3	0.000121303	1.11834	0	1	1
Allergin-1_j1	0.18257	0.221835	0.281043	0.372741	0.705702
1810010H24Rik	0.0612612	0.0619839	0.0169201	0.99035	1
Ccdc46_j5	0	0.220881	1.79769e+308	5.80E-05	0.0013526
Axin2_j1	0.762687	0.517755	0	1	1
Amz2_j3	1.62246	1.20081	-0.434174	0.297176	0.643783
Amz2	2.24135	2.06729	-0.116621	0.682033	0.880617
Amz2_j4	1.25076	1.87798	0.586377	0.363347	0.697495
Arsg_j1	0.123035	0.609286	0	1	1
Prkar1a_j2	3.26407	2.88464	-0.178283	0.520348	0.797861
XLOC_004541	0.00187959	0.116886	5.95854	0.238086	1
XLOC_004541	0.175704	0.214201	0.285823	0.583636	0.833132
Rpl38_j5	0.286278	0.46302	0.693657	0.0711197	0.320621
Ttyh2_j3	1.24844	1.36175	0	1	1
Dnaic2_j5	0.0883589	0.0776531	0	1	1
Kif19a_j3	0	0.176411	0	1	1
Slc9a3r1	8.51112	13.4472	0	1	1
Slc9a3r1_j1	26.9137	21.3447	0	1	1
Cdr2l_j1	1.61959	1.48496	-0.125207	0.562952	0.822297
Kctd2_j1	0.353255	0.378296	0.0988067	0.823453	0.943077
2310067B10Rik_j5	0.657796	0.397718	0	1	1
2310067B10Rik_j9	2.81235	2.47367	0	1	1
Llgl2_j1	0	0.0762887	1.79769e+308	0.10447	1
2210020M01Rik_j1	1.43991	1.2648	-0.187076	0.624677	0.853434
Unk_j4	0.313541	0.354525	0	1	1
Cdk3_j2	0.38135	0.382997	0	1	1
Sphk1	2.14725	2.16797	0.013851	0.955569	0.987197
1810032O08Rik_j3	0.115564	0.326566	1.49868	0.116952	0.425169
Tmc8_j1	0	0.049197	1.79769e+308	0.0838211	1
Tmc8	0.066962	0.0304117	-1.13872	0.4217	1
Pgs1	4.65937	6.69213	0	1	1
XLOC_004590	0.209022	0.184152	-0.182762	0.799199	0.933125
C1qtnf1_j3	2.78568	3.58842	0	1	1
Cbx2_j3	0.167259	0.337333	1.01209	0.0423252	0.2326
Cbx2_j5	0	0.164641	1.79769e+308	0.0025888	0.0306781
Rnf213_j4	0.113717	0.212438	0	1	1
Rptor_j1	0	0.154895	0	1	1
Rptor_j3	2.51604	2.57808	0	1	1

Bahcc1_j8	0.024735	0.0727485	1.55636	0.0337881	1
Hgs_j10	32.7971	38.085	0.215656	0.0209139	0.145317
Slc25a10_j1	0	0.423696 1.79769e+308		0.00068	0.0104867
Lrrc45_j5	2.52288	3.59814	0	1	1
Slc16a3	1.06107	1.05529	-0.0078805	0.973837	0.992504
Slc16a3_j1	0	0.288332 1.79769e+308		0.0011739	0.0162557
Foxk2_j1	6.67596	7.23288	0	1	1
Foxk2	2.3592	2.13641	0	1	1
Foxk2_j4	1.43053	2.22735	0	1	1
Fn3k	5.64937	4.25492	0	1	1
Tbcd_j2	10.5301	13.1045	0	1	1
Tbcd_j7	14.9148	24.0445	0	1	1
Rnf185_j3	2.52507	1.60384	0	1	1
Inpp5j_j5	0.382348	0.401592	0	1	1
Osbp2_j1	3.1682	3.22525	0	1	1
4921536K21Rik	0.271991	0.221052	-0.299172	0.560638	0.821119
4921536K21Rik_j1	0.00661681	0.0848453	3.68063	0.372586	1
XLOC_004645	0.282893	0.313692	0.149091	0.808932	0.937258
Ccdc157_j6	0.0345744	0.0660225	0.933254	0.172532	1
Ccdc157	2.17285	1.82645	-0.250551	0.0472276	0.249463
Mttr3_j1	0	0.0577863	0	1	1
Mttr3_j2	0	0.058617	0	1	1
Uqcr10_j2	14.1295	13.4657	-0.0694219	0.692511	0.886124
Uqcr10	79.8821	81.3848	0.0268867	0.798104	0.932954
Nf2_j5	0.0445698	0.32533	0	1	1
Nefh_j3	0	0.108518	0	1	1
Gas2l1_j6	1.53137	1.44918	0	1	1
Ewsr1_j4	0.573173	2.09587	0	1	1
Znrf3_j1	0.744087	0.767152	0.0440423	0.805524	0.935685
XLOC_004660	0.0324946	0.146014	2.16784	0.133818	1
Urgcp_j1	0.885096	0.979485	0	1	1
Polm_j4	0.374274	0.570216	0.607413	0.125641	0.441555
Camk2b_j1	0.0398122	0.0810168	0	1	1
Camk2b_j2	0.735969	0.792533	0	1	1
mKIAA1068	0.602358	0.379385	0	1	1
Npc1l1_j1	0	0.108564 1.79769e+308		0.0575799	1
Myo1g_j7	0.0946534	0.198643	1.06945	0.0400415	0.223971
Nacad_j2	1.7382	3.92854	0	1	1
Tns3_j7	5.02066	3.88788	0	1	1
Hus1	0.206243	0.231638	0	1	1
Zpbp_j9	0	0.0958249 1.79769e+308		0.0578715	1
Grb10_j3	2.78103	3.78029	0	1	1
Cobl_j5	1.23423	2.2885	0	1	1
Cobl_j4	0.326614	0.720821	0	1	1
Cobl	4.51796	3.12337	0	1	1
Etaa1	1.10392	1.2713	0	1	1
Meis1_j3	0.920878	0.798355	-0.205981	0.571007	0.826539

XLOC_004705	0.181507	0.162908	-0.155969	0.879795	0.961537
Mdh1_j4	28.0965	40.4039	0	1	1
Ehbp1_j6	0	0.219662	0	1	1
Ehbp1_j10	1.73998	2.87926	0	1	1
Ehbp1_j13	0.223118	0.396698	0	1	1
B3gnt2_j2	12.8368	13.3815	0	1	1
Commd1_j2	9.24923	8.10664	0	1	1
Ahsa2_j1	0.56283	1.49914	1.41337	4.49E-05	0.0010878
Ccdc85a_j1	2.69228	2.43751	0	1	1
Eml6_j1	0.0760284	0.157568	0	1	1
Acyp2_j3	16.5066	18.6037	0.172543	0.363977	0.698139
XLOC_004745	0.0561236	0.0909694	0.696774	0.58257	1
Rhbdf1_j2	0.30052	0.417096	0	1	1
Npm1_j6	0.0209767	0.187527	3.16024	0.0069208	0.065269
Npm1_j7	0.0951304	0.0799779	-0.250306	0.787533	1
Kcni1_j2	0.55213	0.55298	0.00221901	0.99633	0.999036
Kcni1_j1	0.981623	0.641796	-0.613055	0.241447	0.588512
Dock2_j8	9.88E-05	0.120211	10.2482	0.945781	1
Ccdc99_j1	0	0.170021	1.79769e+308	0.0264408	0.170811
Wwc1_j2	0.0630536	0.0789474	0.324312	0.826504	1
Odz2_j11	0.189009	0.203575	0.107112	0.931499	0.979142
Gabrg2_j3	2.56983	1.98965	0	1	1
BC079904_j1	0.0745857	0.16671	1.16037	0.101243	0.394004
Ttc1_j1	19.9658	19.965	-5.91E-05	0.999673	0.999878
Ublcp1_j2	3.53527	2.71456	0	1	1
Sgcd_j1	0.220895	0.276108	0	1	1
Sgcd_j2	0	0.286166	0	1	1
Sgcd_j7	0.100743	0.437222	0	1	1
Zfp879_j3	0.0159731	0.0538601	0	1	1
Zfp2_j6	0.237384	0.16001	-0.569066	0.407463	0.728046
Zfp2_j7	0	0.396585	1.79769e+308	5.32E-05	0.001259
Hrnnpab	4.54839	5.12744	0.172882	0.273434	0.622537
Phf15_j5	0	0.0533653	1.79769e+308	0.0194867	1
Ube2b_j8	39.3137	44.7895	0	1	1
Tcf7_j1	0.662844	0.500554	-0.405143	0.367386	0.700927
Tcf7_j8	0.027013	0.0592057	1.13208	0.538144	1
Slc22a5_j6	2.93239	2.74297	0	1	1
Cdc42se2_j3	6.63131	6.39361	0	1	1
Tnip1_j3	5.97373	2.99044	-0.998275	1.17E-08	8.11E-07
Anxa6_j2	0.666764	0.636429	0	1	1
Ccdc69	0.154811	0.199189	0.36363	0.589867	0.836402
Sparc_j1	10.5105	14.9929	0	1	1
Atox1_j3	6.53097	15.4856	0	1	1
AK007998_j2	0.154275	0.283237	0.876508	0.379177	0.710597
AK007998_j3	0.281973	0.4083	0.534072	0.443524	0.751387
Rnf187_j3	0.0779562	0.18339	1.23418	0.254483	0.602758
Arf1_j2	76.8444	80.6676	0	1	1

XLOC_004871	0.961623	1.01826	0.082567	0.565281	0.82378
Snap47_j2	4.24001	2.71048	-0.645519	0.0066442	0.0632479
Zkscan17_j5	0.183631	0.62327	0	1	1
Plid6	0.0559552	0.13966	1.31957	0.203484	1
Cops3_j3	2.39248	2.34834	-0.0268614	0.930212	0.978611
Flii_j1	0.188673	0.272472	0.530224	0.221674	0.568868
Usp22_j2	4.6071	10.9585	0	1	1
Slc47a1_j1	0	0.285179	1.79769e+308	0.0091029	0.0799378
Slc47a1_j3	0.242586	0.151014	-0.683816	0.385732	0.714213
Slc47a1_j4	0	0.0949414	1.79769e+308	0.0094285	1
Slc47a1_j11	0.0784423	0.0793932	0.0173852	0.989711	1
Rnf112_j3	2.96578	0.268091	0	1	1
Rnf112_j2	2.0204	1.32923	0	1	1
Epn2_j2	8.03715	8.97566	0	1	1
Epn2_j5	0.862905	1.30323	0	1	1
Prpsap2_j2	0.322324	0.372943	0.210445	0.572242	0.827134
Prpsap2_j4	0.123323	0.180598	0.550347	0.24389	0.591133
Prpsap2_j6	0.159981	0.063522	-1.33257	0.315103	0.659071
Prpsap2_j9	0.0320283	0.263132	3.03837	0.310909	0.655674
Ncor1_j11	0.165416	0.39214	0	1	1
Zfp286_j4	0.540006	0.829868	0.619907	0.0585008	0.284131
Arhgap44_j1	0	0.299809	0	1	1
Map2k4_j2	7.53129	9.3272	0	1	1
Dnahc9_j4	0.0467286	0.100602	1.10628	0.289525	1
2310004I24Rik_j4	0.775171	0.263463	0	1	1
Wdr16_j1	0.0221691	0.0503249	1.18272	0.485614	1
Pfas_j4	0.0561326	0.106638	0	1	1
Cntrob_j3	0.111857	0.153204	0.453802	0.618946	1
Cntrob_j4	0.0722885	0.0740197	0.0341427	0.9601	1
Chd3_j9	3.5645	4.06946	0	1	1
Cyb5d1_j1	0.381893	0.262565	0	1	1
Cyb5d1_j2	3.79079	2.99049	0	1	1
Kdm6b_j6	0.557838	0.82752	0	1	1
Efnb3_j1	0.132894	0.517748	1.96198	0.0004444	0.0073751
Eif4a1_j4	0.260355	0.660218	0	1	1
Polr2a_j1	12.6257	11.6764	0	1	1
Nlgn2_j1	7.92373	6.7699	-0.227046	0.0562001	0.277404
Tnk1_j2	1.58448	2.35033	0	1	1
2810408A11Rik	0.0807221	0.0608278	-0.408233	0.756252	1
Slc2a4	0.0473076	0.139581	1.56096	0.222897	1
Rai12_j2	32.8562	38.6644	0.234843	0.0227718	0.154096
Slc16a13_j2	0.0999942	0.0852856	-0.229543	0.772524	1
0610010K14Rik_j1	10.2562	13.3186	0.376957	0.0100049	0.0855915
Alox12_j2	0.127968	0.342481	1.42024	0.0914806	0.371729
Cxcl16_j2	0.0467096	0.578894	3.63151	6.78E-08	3.87E-06
Cxcl16_j3	0.199286	0.252096	0.339132	0.271173	0.620126
Camta2_j6	0.179138	0.0884664	0	1	1

A430084P05Rik_j1	0.000352425	0.121155	8.42532	0.915471	1
Dhx33_j1	0.838986	1.20017	0	1	1
Dhx33_j2	0.661371	0.88677	0	1	1
Dhx33_j3	0.476608	0.203228	0	1	1
Derl2_j1	0.0579759	0.228387	0	1	1
6330403K07Rik_j1	40.0044	36.9902	0	1	1
Pitpnm3_j4	0.130652	0.22814	0.804197	0.11403	0.419996
Pitpnm3_j1	0	0.0506761	1.79769e+308	0.0267863	1
Pitpnm3_j2	0	0.114508	1.79769e+308	0.0006231	1
Kiaa0753_j1	0.074047	0.080333	0.117551	0.845782	1
Smtnl2_j1	0.672232	0.430226	-0.643864	0.135536	0.458045
Spns3_j3	0.0383594	0.172533	2.16922	0.114324	0.420826
Spns3_j4	0.0364674	0.120635	1.72597	0.335935	1
Tmem93_j1	7.56934	7.74627	0	1	1
mKIAA1039_j7	0	0.432518	0	1	1
Pafah1b1_j5	0.505133	0.406886	0	1	1
Pafah1b1_j6	0.426074	0.32004	0	1	1
Sgsm2_j3	3.96034	4.40467	0	1	1
Srr_j3	0.0885106	0.0586573	0	1	1
Wdr81_j2	0.191265	0.528926	1.46749	0.0150837	0.115367
Nxn_j1	1.50251	2.52498	0	1	1
Abr_j3	4.93579	2.10971	0	1	1
Abr	1.33833	2.21928	0	1	1
Abr_j2	14.7409	4.70434	0	1	1
Efcab5_j2	0.0490495	0.0612423	0.32029	0.856131	1
Taok1	1.69252	0.557181	0	1	1
Taok1_j1	2.71119	2.49472	0	1	1
Pipox_j2	0.000126406	0.112393	9.79627	0.957818	1
Pipox_j3	0	0.0596736	1.79769e+308	0.0865092	1
Supt6h_j3	19.9377	24.2437	0	1	1
Nlk_j2	4.65071	4.51217	-0.0436311	0.826522	0.944076
Lgals9_j1	13.5707	15.6686	0	1	1
Ksr1_j19	2.43144	2.0916	-0.217209	0.497596	0.783786
5730455P16Rik_j2	3.45742	4.57743	0	1	1
Myo1d_j4	5.15956	5.27634	0	1	1
Accn1_j2	2.37633	1.83471	-0.373187	0.280059	0.62888
Cct6b_j6	0.052933	0.0810438	0.614534	0.572106	1
Nle1_j3	0.378886	0.410396	0.115255	0.709707	0.894313
Slfn9_j1	0.184877	1.0129	0	1	1
Slfn8_j1	0.0172654	0.214022	0	1	1
Mmp28_j6	0.125589	0.0051507	0	1	1
Mmp28_j5	0	0.313948	0	1	1
Mmp28_j4	0	0.0528375	0	1	1
Ccl3	0.0614893	0.32651	2.40872	0.0228083	0.154258
Gm12576_j1	0.645381	0.776538	0.266905	0.540936	0.809112
Tada2a_j1	0.36305	0.505866	0	1	1
Dhrs11_j2	1.05004	0.748451	-0.488457	0.328853	0.67119

Ggnbp2_j8	21.3599	24.0208	0.169381	0.0868396	0.36018
Usp32_j6	1.95178	2.37461	0	1	1
Ints2	6.89E-05	0.877972	13.6371	0.656376	0.868897
Rps6kb1_j1	4.20884	3.79123	0	1	1
Rps6kb1_j2	1.68195	0.992314	0	1	1
Dgke_j1	2.5919	2.79241	0	1	1
Hlf_j2	0.433866	0.569448	0.392313	0.197	0.539845
Utp18_j1	2.53408	3.05793	0.271089	0.266167	0.615308
Luc7l3_j4	2.6953	2.90676	0	1	1
Abcc3_j6	0	0.0469481	1.79769e+308	0.030017	1
Abcc3_j5	0.072068	0.120794	0.745119	0.252792	1
Epn3_j2	0.00103861	0.195997	0	1	1
Mycbpap_j1	0.235352	0.221718	0	1	1
Rsad1_j4	0	0.696712	0	1	1
Rsad1_j5	1.0061	0.504905	0	1	1
Rsad1_j6	0.000443045	0.150586	0	1	1
Rsad1_j7	0.144729	0.427026	0	1	1
Eme1_j1	6.12663	6.08799	-0.00912708	0.950751	0.985809
Xylt2_j4	7.27981	5.82339	-0.322042	0.02666	0.171773
Itga3_j5	2.82588	3.58948	0.345073	0.11899	0.42917
Myst2_j4	0.334041	0.1091	0	1	1
Myst2_j5	0.206052	0.170485	0	1	1
Ube2z_j1	15.194	17.2707	0	1	1
Snx11_j5	0.419315	0.472219	0	1	1
Nfe2l1_j3	30.7835	21.6858	0	1	1
Tbkbp1_j8	1.35569	1.58559	0	1	1
Kpnb1_j2	31.0141	34.0055	0	1	1
Npepps_j3	3.95695	3.64506	0	1	1
Srcin1_j16	0.55806	0.504779	0	1	1
Srcin1_j17	2.51584	3.06787	0	1	1
Srcin1_j19	0.278014	0.562427	0	1	1
Srcin1_j18	0.000290573	0.465696	0	1	1
Pcgf2_j8	2.46124	2.60843	0.0837944	0.771186	0.922277
Rpl23_j6	0.365046	0.685149	0.90834	0.152403	0.484061
Rpl23_j8	0.152659	0.293495	0.943017	0.297772	0.644376
Rpl23_j12	0.321426	0.393462	0.291734	0.496186	0.783139
Plxdc1_j1	0.0537127	0.0425867	-0.33486	0.815655	1
Arl5c	0	0.075612	1.79769e+308	0.143457	1
Stac2_j2	0	0.199331	1.79769e+308	0.0197597	0.139688
Med1_j6	1.83864	2.05841	0	1	1
Med1_j5	0.00505912	0.353108	0	1	1
Med1_j4	0	0.0620575	0	1	1
Smarce1_j3	0.143948	0.367902	0	1	1
Krt27_j3	0.478488	0.496234	0.0525402	0.942	0.982346
Jup_j3	0.436004	0.866825	0	1	1
Acly_j5	0.5842	0.64257	0	1	1
Dnajc7_j9	49.7329	60.605	0.285238	0.0025958	0.0307386

Kcnh4_j1	0.0302384	0.146464	2.27609	0.136464	1
Stat3_j4	8.82291	12.2715	0	1	1
Ezh1	12.609	12.1511	0	1	1
1700113I22Rik_j3	0	0.08002 1.79769e+308		0.105229	1
Atxn7I3_j7	8.82997	8.20048	0	1	1
Atxn7I3	5.87213	7.17705	0	1	1
Ubtf_j1	0.216531	0.36527	0	1	1
Ubtf_j4	0	0.258427	0	1	1
Slc25a39_j1	6.22273	5.55082	0	1	1
Itga2b_j4	0.134607	0.749291	2.47678	9.89E-06	0.0003071
Gjc1_j1	0	0.0499848 1.79769e+308		0.0721392	1
Eftud2_j4	9.5401	10.6506	0	1	1
Arhgap27_j5	1.29991	1.21606	0	1	1
Gosr2_j3	14.5734	17.4461	0	1	1
1700081L11Rik_j9	5.77203	5.11785	0	1	1
1700081L11Rik_j10	0	0.434793	0	1	1
Cyb561_j2	9.3348	13.7427	0	1	1
Ddx5_j9	3.58123	3.98731	0	1	1
Ddx5_j10	0.975446	0.982623	0	1	1
Bptf_j3	0.018633	0.0613558	1.71934	0.0194757	1
Pitpnc1_j5	4.52589	8.60597	0	1	1
Cacng4_j1	0.304076	0.553857	0.865082	0.0329802	0.197894
Abca8a_j1	7.9145	12.2766	0	1	1
XLOC_005302	0.0940587	0.197973	1.07367	0.0806967	0.345796
Sdk2_j6	0.805739	1.01443	0.33228	0.132906	0.453791
AF251705_j1	0.767282	1.47466	0.942549	0.0168636	0.125056
Cd300lh_j1	0.210881	0.59093	1.48656	0.0214455	0.147768
Cd300lh_j2	0.159096	0.36203	1.18621	0.13144	0.451337
Fdxr_j3	4.16796	4.05543	0	1	1
C630004H02Rik_j3	12.2813	13.7012	0	1	1
Hn1_j1	0.294088	0.20903	-0.492537	0.599675	0.841292
Sumo2_j2	0.179577	0.10503	-0.773801	0.432478	0.744252
Gga3_j1	16.667	18.6928	0	1	1
Grb2_j4	0.947721	2.12666	0	1	1
Grb2_j6	0	0.385803	0	1	1
H3f3b_j1	13.5792	19.446	0.518075	0.0014957	0.0196989
H3f3b_j2	4.54147	5.33754	0.233013	0.170177	0.507195
Unc13d_j8	0.0466442	0.0411716	-0.180047	0.901249	1
Wbp2_j4	11.0918	4.34929	0	1	1
Wbp2_j5	21.4377	19.7358	0	1	1
Fbf1_j15	0.224346	0.405176	0	1	1
Fbf1_j16	0.46435	0.661333	0	1	1
Exoc7_j5	6.56439	6.98709	0	1	1
Exoc7_j4	10.6032	9.09076	0	1	1
Rnf157_j8	0.305668	0.162601	0	1	1
Prpsap1_j2	0.558368	0.528305	0	1	1
St6galnac2_j3	0.171444	0.146628	-0.225576	0.790426	0.930178

Jmjd6_j1	1.45517	2.26763	0.639996	0.0078646	0.0716596
Jmjd6	4.17794	4.45787	0.0935641	0.57444	0.828005
Tmc6_j1	4.38655	5.35366	0	1	1
Tha1	0.298507	0.446022	0.579348	0.326007	0.669299
Dnahc17_j1	0	0.226426	1.79769e+308	0.0388713	0.219867
XLOC_005363	0	0.066039	1.79769e+308	0.207341	1
Cyth1_j3	1.41021	1.49819	0	1	1
Usp36_j7	3.14687	3.41738	0	1	1
Usp36_j8	0.0444267	0.17869	0	1	1
Timp2_j4	3.49197	15.1942	0	1	1
Cant1_j2	0.609366	0.726286	0	1	1
XLOC_005382	0.00534703	0.145202	4.76318	0.243546	1
Aatk_j1	6.08537	3.91615	0	1	1
Pde6g_j1	0.347537	0.241097	-0.527557	0.435059	0.745948
Arl16_j1	5.96729	7.12018	0.254838	0.0357446	0.20852
Sirt7_j6	0.167312	0.222004	0	1	1
Sirt7_j8	2.05139	2.06899	0	1	1
Sirt7_j9	0.198034	0.156675	0	1	1
Dcxr_j2	0.609586	0.822166	0.4316	0.292292	0.639162
Rfng_j1	11.8941	12.0506	0	1	1
Fasn_j1	11.9901	14.552	0.279377	0.0023796	0.028702
Ccdc57_j2	0	0.0518129	1.79769e+308	0.0857115	1
Csnk1d_j1	0	0.374125	0	1	1
Sectm1a_j1	0.00950451	0.0643165	2.7585	0.307289	1
1110031I02Rik_j1	2.43604	2.68591	0	1	1
BC017643_j2	1.79433	1.79667	0	1	1
BC017643_j3	1.8256	2.2053	0	1	1
Pisd-ps1_j7	0.41137	0.566472	0	1	1
Morc2a_j3	0.0753475	0	-1.79769e+308	0.0002541	1
Dusp18_j1	0.341314	0.499779	0.55019	0.122998	0.436594
Pes1_j3	0	0.114157	1.79769e+308	0.0034118	1
Gatsl3_j3	0.000243229	0.358511	10.5255	0.848308	0.952075
Ascc2_j5	0	0.301818	0	1	1
Ogdh_j5	17.7096	19.4576	0	1	1
Zmiz2_j9	0.687467	0.409537	0	1	1
XLOC_003926	0.198528	0.214091	0.108882	0.873478	0.959888
XLOC_003926	0.0573519	0.0856743	0.579021	0.650142	1
Gm11992_j2	0	0.160206	1.79769e+308	0.0137385	0.108008
Vwc2_j1	0.128234	0.19763	0.624022	0.362025	0.696369
Egfr	0.109553	0.417137	1.92889	9.83E-05	0.0021222
Egfr_j2	0.0737819	0.452875	2.61777	1.63E-06	6.29E-05
Cnrip1	26.9512	27.4043	0	1	1
Cct4_j2	6.00717	6.24704	0	1	1
Cct4_j3	13.2826	17.6805	0	1	1
Fam161a_j10	0	0.22717	1.79769e+308	0.003317	0.0373028
Xpo1_j4	1.49729	1.53468	0	1	1
Pus10_j2	0.218865	0.114298	0	1	1

Fandl_j3	0.111373	0.43105	1.95245	0.0764183	0.334017
Pnpt1_j3	3.5678	3.74525	0	1	1
Asb3_j3	1.26525	1.28859	0.0263804	0.891351	0.965687
Hba-a2_j1	37.662	54.0063	0	1	1
Hba-a2_j2	2.44961	1.83456	0	1	1
XLOC_003991	0.196681	0.267707	0	1	1
XLOC_003992	0.384165	0.804091	1.06563	0.327642	0.670398
XLOC_003992	0.023044	0.0922025	2.00042	0.25056	1
Pwwp2a_j3	0.828651	1.12185	0.437037	0.129434	0.448367
Ebf4_j7	1.32335	0.697598	0	1	1
Adam19_j1	0	0.173463	1.79769e+308	9.03E-05	0.0019671
Med7	6.23023	4.84467	-0.362886	0.342158	0.681895
Olfr56_j2	1.20759	0.51221	-1.23733	0.0229052	0.154736
Zfp62	0.018978	0.800643	0	1	1
Flt4_j2	0	0.0864365	1.79769e+308	0.0478905	1
Flt4_j3	0	0.087851	1.79769e+308	0.0349383	1
Gfpt2_j1	0	0.170142	1.79769e+308	0.0033201	0.0373291
Rasgef1c_j1	0.197296	0.17468	-0.175646	0.821294	0.942238
XLOC_004034	0.401102	0.597068	0.573927	0.468642	0.767193
Hnrnph1_j1	0	0.0503173	1.79769e+308	0.102799	1
Adamts2_j3	0.84064	0.710052	-0.243563	0.315427	0.659421
Adamts2_j5	0.642906	0.710417	0.144057	0.616224	0.848764
Clk4_j4	0.995976	0.785859	0	1	1
Col23a1_j1	0	0.272039	1.79769e+308	0.053779	0.270192
Col23a1_j2	2.25347	2.22164	-0.0205255	0.877574	0.96086
Cdkl3_j2	0.0990891	0.176107	0.829654	0.344374	0.684046
Cdkl3_j4	0.316861	0.432936	0.450305	0.356292	0.692255
Cdkl3_j3	0.708138	0.884015	0.320039	0.28195	0.630468
Skp1a_j3	1.96875	2.87095	0	1	1
Vdac1_j1	7.35373	18.846	0	1	1
Gdf9	0.0217431	0.0951562	2.12974	0.172068	1
Sept8_j4	1.77835	2.64329	0.571795	0.0177964	0.129898
Kif3a_j1	5.77556	6.70643	0	1	1
Kif3a_j3	3.39852	7.67663	0	1	1
Irf1_j1	0	0.257186	1.79769e+308	0.0054305	0.0540236
XLOC_004063	0.190197	0.214353	0.172492	0.659507	0.870733
Fnip1_j6	1.61315	1.83601	0.1867	0.419952	0.73648
Rapgef6_j3	3.28961	2.95271	0	1	1
Rapgef6_j2	0.484728	0.354085	0	1	1
Rapgef6_j5	0.676277	0.446315	0	1	1
Slc36a1_j1	0	0.0909802	0	1	1
G3bp1_j7	1.53304	1.69818	0	1	1
Gria1_j2	0.264701	0.418219	0	1	1
Gria1_j1	1.00393	1.46478	0	1	1
Galnt10_j1	1.02284	1.29184	0	1	1
Larp1_j1	0.447089	0.16839	0	1	1
Zfp692-ps_j7	0.975111	1.17614	0.270426	0.299555	0.646333

2310033P09Rik_j2	4.6572	4.99413	0	1	1
2310033P09Rik_j1	4.25032	4.28188	0	1	1
Mprip_j9	3.94083	4.71462	0	1	1
XLOC_004102	0.0838806	0.108986	0.37774	0.612292	1
Med9_j1	14.1033	14.2325	0	1	1
Rai1_j2	1.09054	1.20446	0.143339	0.350151	0.687728
Myo15_j4	0.0528812	0.110767	1.06671	0.297227	1
Myo15_j10	0.0955212	0.148419	0.63578	0.451967	1
Myo15_j12	0	0.0911007	1.79769e+308	0.0422193	1
Smcr7_j2	3.95959	4.13983	0	1	1
Smcr7_j3	1.74616	1.92992	0	1	1
Dhrs7b_j3	2.76666	4.73471	0.775133	0.0194946	0.138477
B9d1_j3	0.00040321	0.354841	9.78142	0.902759	0.968976
B9d1_j5	0.51741	0.918071	0.827296	0.230026	0.577072
Specc1_j3	0	0.0738587	0	1	1
Specc1_j4	0.624908	0.416364	0	1	1
Specc1_j6	0.000645603	0.458528	0	1	1
Fbxw10_j5	0	0.230502	1.79769e+308	0.001521	0.0199504
Hs3st3a1	0.0379795	0.135986	1.84016	0.179701	1
Pirt_j5	0.591659	0.262275	0	1	1
Tmem220_j2	0.268841	0.395109	0.555497	1	1
Gas7_j3	0.0937474	9.95E-05	0	1	1
Myh10_j1	3.42093	2.67475	0	1	1
Myh10_j9	11.8877	10.681	0	1	1
Rpl26_j4	0.435339	0.411208	-0.0822733	0.922901	0.975936
1500010J02Rik_j1	0	0.132215	0	1	1
1500010J02Rik_j11	0	0.0727634	0	1	1
Trp53_j5	0.70693	0.598549	-0.240099	0.632892	0.857331
Trp53_j6	0.0127609	0.0942842	2.88528	0.326404	1
Neurl4_j7	1.70818	2.49501	0.546585	0.0835214	0.352312
Ybx2_j3	0.198234	0.117303	-0.756961	0.568369	0.825515
Phf23_j5	0	0.292487	1.79769e+308	0.0188784	0.135521
Arrb2_j2	6.12562	6.69863	0	1	1
Med11_j2	10.7966	12.8844	0.25504	0.198698	0.541904
Psmb6_j2	21.3485	25.3292	0.246671	0.169349	0.506271
Pld2_j7	0	0.0710045	1.79769e+308	0.0373043	1
Pld2_j6	0.206465	0.0379143	-2.44509	0.0354486	0.207411
Pld2_j13	0.107556	0.341423	1.66647	0.0912417	0.371241
Kif1c_j5	0.0792299	0.725803	0	1	1
Kif1c_j6	0.546735	1.00714	0	1	1
Rabep1_j4	5.2603	6.52819	0	1	1
Mybbp1a_j3	0.53056	0.552593	0	1	1
Ube2g1_j3	0.455695	0.673797	0	1	1
Zzef1_j2	1.96097	3.0655	0.644554	0.0012765	0.0173846
Zzef1_j3	11.4757	12.1549	0.0829608	0.472576	0.769633
Atp2a3_j5	0.28409	0.673659	1.24567	1	1
Camkk1_j4	4.55126	4.61605	0	1	1

Itgae_j5	0	0.209046	1.79769e+308	0.0611071	0.291681
Itgae_j6	0.345744	0.278398	-0.312557	0.793184	0.93108
Tax1bp3_j1	0.475354	0.616443	0	1	1
Shpk_j4	2.78911	3.38131	0	1	1
Trpv1_j1	0.0267298	0.111645	2.06239	0.127795	1
Trpv1_j4	0.34665	0.290135	-0.256756	0.6376	0.859668
Trpv1_j5	9.61227	14.3554	0.578642	0.0006827	0.0105092
1300001I01Rik_j7	10.1231	10.4796	0.0499312	0.644755	0.863009
1300001I01Rik_j8	0	0.0587635	1.79769e+308	0.0469752	1
Mnt_j2	1.46272	2.6167	0	1	1
Rtn4rl1_j2	0	2.90201	0	1	1
Prpf8_j2	0.16895	1.63794	0	1	1
Scarf1_j2	0.215553	0.259541	0.267921	0.489813	0.779571
Myo1c_j5	0.0645424	0.116533	0	1	1
Crk_j1	33.9882	36.4713	0	1	1
XLOC_004252	0	0.288615	1.79769e+308	0.0033115	0.0372671
Git1_j5	27.8928	32.5702	0.223662	0.0129346	0.103684
Abhd15_j1	7.45E-05	0.0661743	9.79525	0.879303	1
XLOC_004263	0	0.152634	1.79769e+308	0.0858925	1
Phf12_j2	0.312199	0.657306	0	1	1
Flot2_j6	1.7094	1.32721	0	1	1
Flot2_j5	1.62597	1.70964	0	1	1
Flot2_j9	0.05601	0.365574	0	1	1
BC017647	12.9767	11.2956	-0.200163	0.0511446	0.262009
Proca1_j2	0.0371443	0.110875	1.57773	0.292124	1
2610507B11Rik_j4	0	0.144087	0	1	1
Spag5_j4	0	0.0598242	1.79769e+308	0.0618921	1
Ift20_j1	26.0025	26.0616	0	1	1
1810012P15Rik_j1	3.84525	3.43222	0	1	1
1810012P15Rik_j2	1.36744	1.51086	0	1	1
Atad5_j6	0.496016	0.528458	0.0914031	0.803232	0.934684
Rhot1_j3	0.0679571	0.0548731	-0.308526	0.781789	1
Rhot1_j4	0.96233	1.02085	0.0851641	0.76772	0.920844
Rhot1_j8	10.5386	11.2894	0.0992771	0.564631	0.823408
Cdk5r1_j1	0	0.592369	0	1	1
Lig3_j2	1.9926	1.73923	-0.196206	0.347652	0.686248
Unc45b_j1	0	0.165805	1.79769e+308	0.0018394	0.0233786
Sln5_j5	0	0.127121	1.79769e+308	0.0013992	1
Sln5_j7	0	0.0645377	1.79769e+308	0.0235493	1
Sln5	0	0.159063	1.79769e+308	0.0003272	0.005739
Al662270_j1	0	0.322897	1.79769e+308	0.0046692	0.048196
Gm11427	0.0887035	0.128198	0.53131	0.500847	1
AA465934_j1	0	0.0541899	1.79769e+308	0.176574	1
Rasl10b_j6	1.53017	1.86671	0	1	1
Taf15_j1	0	0.640745	1.79769e+308	0.000108	0.0022976
Taf15_j9	0.360024	1.43681	1.9967	0.005519	0.0546947
Synrg_j1	8.17267	6.54503	0	1	1

Acaca_j4	0.150666	0.133825	-0.171001	0.865337	0.957067
Acaca_j11	0	0.115884 1.79769e+308		0.250914	1
Acaca_j15	0.482759	0.519774	0.106581	0.834742	0.946943
Acaca_j18	0	0.0601861 1.79769e+308		0.154298	1
XLOC_004337	0.159251	0.147654	-0.109087	0.874016	0.959954
Ppm1d	0.0845856	0.126722	0.583186	0.50055	1
Bcas3_j7	6.38303	6.57698	0	1	1
Tubd1_j5	0.522591	0.756412	0.533491	0.196533	0.539312
Tex14_j2	4.81E-05	0.0878474	10.8346	0.968928	1
Tex14_j6	0	0.192415 1.79769e+308		0.0517344	0.263782
Sept4	6.65145	4.29478	-0.631085	0.0024333	0.0292053
Mtmr4_j5	3.48526	9.53333	0	1	1
Supt4h1_j2	0	0.366608 1.79769e+308		0.021014	0.145805
Supt4h1	1.21844	1.11266	-0.131017	0.780441	0.925835
Bzrap1_j2	0.334319	0.365411	0.128296	0.689994	0.885202
Mks1_j2	0.310032	0.259456	-0.256927	0.603967	0.843588
Mks1_j1	0.218977	0.376781	0.78295	0.134508	0.456405
Coil_j1	0.0709882	0.350206	2.30255	0.000156	0.0031187
Mbtd1_j8	0.914393	1.20473	0	1	1
Spag9_j4	0.0559587	0 -1.79769e+308		0.0078821	1
Chad_j2	0	0.16159 1.79769e+308		0.023468	0.157149
Ppp1r9b_j5	0.309821	0.707863	1.19203	0.0097837	0.0843205
Samd14_j2	26.2648	24.5166	-0.0993695	0.318617	0.662019
Dlx3_j1	0.45883	0.642554	0.485857	0.177333	0.516623
Dlx3_j3	0	0.16463 1.79769e+308		0.014681	0.113123
Dlx3_j5	0	0.154857 1.79769e+308		0.0171562	1
Gm11520	0.240172	0.245749	0	1	1
Phb_j3	0.111089	0.106242	-0.0643521	0.947119	1
Zfp652_j2	0.0403346	0.184138	2.1907	8.99E-05	0.0019595
Gngt2_j2	0.274012	0.127144	-1.10777	0.454014	0.758413
Gngt2_j5	0.0930036	0.146995	0.660412	0.698823	1
Skap1_j2	0	0.251645 1.79769e+308		0.0028938	0.0334625
Skap1_j3	0	0.0532821 1.79769e+308		0.217489	1
Mrpl10_j1	16.3444	16.1875	0	1	1
Mrpl10_j2	2.15178	2.11558	0	1	1
Arhgap23_j1	1.21665	1.00454	0	1	1
Lasp1_j4	6.68097	5.59983	0	1	1
B230217C12Rik_j1	3.03566	2.16167	-0.489867	0.0059752	0.0583482
Ppp1r1b_j2	0.587598	0.281006	-1.06423	0.178958	0.518612
Wipf2_j3	0.175446	0.449269	0	1	1
cdc6_j1	0	0.108392 1.79769e+308		0.0273073	1
Rara_j2	0.809413	1.05832	0	1	1
Ttc25_j3	0.0458308	0.104837	1.19375	0.218992	1
Ttc25_j4	0	0.0571843 1.79769e+308		0.0696702	1
Hsd17b1_j4	0.0326708	0.0922969	1.49828	0.365568	1
Cntnap1_j1	0.0567347	0.0569715	0	1	1
Psme3_j2	0.890053	0.935589	0.0719837	0.756831	0.91615

Aoc3_j4	0.205669	0.206433	0.0053487	0.993085	0.997985
Nbr1_j2	0	0.049036	0	1	1
Nags_j1	0.0479071	0.173697	1.85826	0.191162	0.533267
BC030867_j3	0.150176	0.509801	1.76328	0.0707232	0.319662
Rundc3a_j1	0.739736	1.04564	0	1	1
Rundc3a_j2	0.0737485	0.170045	0	1	1
Rundc3a_j11	29.8374	34.6955	0	1	1
Adam11_j5	0.727242	0.587566	0	1	1
Ccdc103_j1	0.171561	0.0989714	0	1	1
Hexim2_j4	0	0.336751	1.79769e+308	0.0009124	0.0132913
Fmnl1_j3	0.893513	0.0527364	-4.08262	4.08E-06	0.0001418
Fmnl1_j2	8.22335	8.65137	0.0732026	0.535064	0.806052
Fmnl1_j6	0.0418185	0.15136	1.85577	0.0499386	1
XLOC_004503	0.734402	0.722739	0	1	1
Mettl2_j3	0	0.0532664	1.79769e+308	0.175577	1
Mettl2_j9	0	0.101441	1.79769e+308	0.0982312	1
Mrc2_j7	0.645843	0.983536	0.606794	0.09727	0.385499
Ace_j4	0.811346	0.543531	-0.577954	0.0533039	0.268707
Map3k3_j2	2.78977	3.52378	0	1	1
Helz_j8	0	0.0960346	0	1	1
Helz_j7	0	0.123118	0	1	1
Apoh_j1	0.411073	0.610353	0.570248	0.320324	0.663651
Ccdc46_j6	0.436848	0.637736	0.545828	0.256895	0.60573
Axin2_j3	0.331981	0.432236	0	1	1
Arsg_j4	0	0.0982792	0	1	1
Prkar1a_j3	0.185414	0.297697	0.683093	0.337445	0.677954
Kcnj16_j1	0.24757	0.639706	1.36957	0.000142	0.0028728
XLOC_004541	0.122126	0.24233	0.988602	0.454061	0.758413
XLOC_004541	0	0.0894451	1.79769e+308	0.122434	1
Dnaic2_j6	0	0.0935729	0	1	1
Kif19a_j2	0.375138	0.143952	0	1	1
Kif19a_j1	0.534295	1.00895	0	1	1
Gprc5c_j3	0.763003	0.46456	0	1	1
Cd300a	0	0.28242	0	1	1
Cdr2l_j2	36.6603	33.3627	-0.135983	0.131778	0.451722
2310067B10Rik_j2	2.2092	2.20388	0	1	1
Sphk1_j3	0.124225	0.104696	-0.246738	0.802571	1
Mfsd11_j1	0.0487996	0.0986706	1.01575	0.142933	1
XLOC_004580	0.0351938	0.177403	2.33364	0.215213	0.560987
Tnrc6c_j7	1.75109	1.61151	-0.119841	0.608621	0.845899
Tmc8_j6	0	0.0696446	1.79769e+308	0.033726	1
Tmc8_j12	0.0859733	0.242998	1.49899	0.199606	0.542596
Pgs1_j1	0.0862003	0.102452	0	1	1
Pgs1_j6	1.23826	1.42013	0	1	1
XLOC_004590	0.499828	0.399701	-0.322513	0.31845	0.661834
XLOC_004594	0	0.134615	0	1	1
Cbx2_j2	0	0.188966	1.79769e+308	0.0007799	0.0117402

Card14_j6	0.594463	0.825404	0.473512	0.0422739	0.232423
Card14_j5	0.0590199	0.0778243	0.399019	0.597497	1
Card14_j4	0.211904	0.245541	0.21255	0.604716	0.844018
Rnf213_j5	0.297608	0.425062	0	1	1
Rnf213_j7	0.0415091	0.143615	0	1	1
Bahcc1_j9	0.000590891	0.0525563	6.47483	0.269538	1
Hgs_j9	1.08147	0.69228	-0.643573	0.0496697	0.257348
Aspscr1_j1	5.56814	6.02288	0	1	1
Hexdc_j2	3.98852	3.8874	0	1	1
Tbcd_j4	0.716136	0.621167	0	1	1
Tbcd_j8	8.81181	13.2783	0	1	1
Drg1_j3	0.937417	0.5598	0	1	1
Inpp5j_j2	0.465204	0.209027	0	1	1
Smtn_j2	2.06929	3.42354	0.726351	0.0083352	0.0748143
Osbp2_j3	1.02225	1.0408	0	1	1
Osbp2	1.35177	1.68235	0	1	1
Slc35e4_j1	13.4242	18.5612	0.467458	0.0008698	0.0127781
Tcn2_j2	0.494853	1.21523	1.29616	0.0017615	0.0225822
Ccdc157_j3	0.179039	0.12586	-0.508449	0.204113	0.548338
Ccdc157_j4	0.25752	0.254262	-0.0183661	0.951586	0.986024
Mtmr3_j4	0	0.37563	0	1	1
Nf2_j1	3.97081	4.26901	0	1	1
Nf2_j2	1.41653	1.85351	0	1	1
Nefh_j1	0.10734	0.1581	0	1	1
Nefh_j5	111.855	75.0799	0	1	1
Nefh_j4	50.4742	26.3975	0	1	1
Gas2l1_j3	0.372297	0.26896	0	1	1
Ewsr1_j2	2.45813	2.46199	0	1	1
Ewsr1_j3	4.06522	3.86932	0	1	1
Ewsr1_j7	0	0.414423	0	1	1
Kremen1_j2	0.165875	0.141333	-0.230994	0.69775	0.888632
Polm_j10	0.0716664	0.328479	2.19643	0.0019692	0.0246863
Camk2b_j5	0.252346	0.365633	0	1	1
Nudcd3_j2	5.49669	5.0737	0	1	1
Ddx56_j1	0.0637824	0.245022	1.94168	0.099154	0.389683
Myo1g_j1	0.000127871	0.188564	10.5261	0.960101	0.988634
Myo1g_j2	0	0.070741	1.79769e+308	0.0529288	1
Tbrg4_j2	1.35478	1.58535	0	1	1
Tns3_j5	0.355229	0.387076	0	1	1
Hus1_j3	0	0.148392	0	1	1
Grb10_j1	0	0.073426	0	1	1
Cobl_j1	1.63815	0.254838	0	1	1
Plek	2.06286	2.26677	0.135993	0.375061	0.707307
Actr2_j2	16.4404	45.8008	0	1	1
Cep68_j3	11.233	12.26	0.126216	0.181743	0.521932
Slc1a4_j1	9.7361	13.8257	0	1	1
Ehbp1_j16	0.89706	2.85838	0	1	1

XLOC_004718	0	0.189596	1.79769e+308		0.0451709	0.243192
XLOC_004718	0.067314	0.146566		1.12257	0.402488	1
Rel_j3	0	0.0518536	1.79769e+308		0.200796	1
Ccdc85a_j2	2.93657	2.27667		0	1	1
Eml6	0.743114	0.791867		0	1	1
Eml6_j7	0.485009	0.260625		0	1	1
Acyp2_j2	2.42408	6.07482		1.3254	3.38E-05	0.0008569
Npm1_j3	2.51503	2.65388		0.0775288	0.680086	0.879617
Dock2_j1	0.208841	0.242068		0.213007	0.678401	0.879072
Ccdc99_j5	0.0163252	0.0790851		2.27631	0.168512	1
Wwc1_j3	0	0.182859	1.79769e+308		0.0300626	0.186022
Odz2_j6	0	0.393303	1.79769e+308		3.35E-09	2.55E-07
Ccng1_j1	11.9543	15.6848		0	1	1
Gabrg2_j5	5.44327	3.99958		0	1	1
Gabrg2_j4	1.42532	1.38957		0	1	1
Ublcp1_j10	6.51705	5.06781		0	1	1
Ublcp1_j12	0.796625	0.936901		0	1	1
ltk_j2	0.167203	0.319494		0.934194	0.0852519	0.356401
Sqstm1_j3	99.1388	119.234		0	1	1
Sqstm1_j4	50.332	55.5152		0	1	1
Maml1	0.331794	0.768609		1.21196	2.67E-05	0.0007014
Zfp354c_j1	0	0.0900417		0	1	1
Zfp454_j1	0.353539	0.306601		-0.205507	0.697432	0.888592
Zfp454	1.16734	0.977574		-0.255944	0.3311	0.672845
Zfp354b_j2	0.0384389	0.076319		0.989474	0.430219	1
Sec24a_j1	0.0519392	0.232578		2.16282	0.0004556	0.0075388
Rad50_j2	0	0.135069	1.79769e+308		0.0003736	1
Lym7_j2	0.137766	0.210856		0.614032	0.320641	0.663883
Tnip1_j7	2.02377	4.25991		1.07378	1.48E-10	1.45E-08
Tnip1_j8	3.72642	5.86695		0.654821	4.43E-06	0.0001519
Anxa6_j3	0.238591	0.369008		0	1	1
Ccdc69_j2	0	0.06006	1.79769e+308		0.11004	1
Gemin5_j3	1.41221	1.41487		0	1	1
Rnf187_j1	185.514	196.251		0.0811733	0.346909	0.685763
Guk1_j2	0.806785	4.61395		2.51575	1.99E-10	1.89E-08
Arf1_j1	0.552706	0.550527		0	1	1
Cops3_j1	4.35111	8.42046		0.952515	1.40E-06	5.52E-05
Cops3_j2	0.244203	0.362412		0.569549	0.394252	0.719811
Top3a_j2	0.0320302	0.0973414		1.60362	0.0578761	1
Usp22_j5	0.326236	0.234102		0	1	1
Slc47a2_j5	0.174532	0.418802		1.26277	0.0347165	0.204635
Slc47a1_j10	0	0.194304	1.79769e+308		0.0133093	0.105765
Rnf112_j12	11.7554	10.605		0	1	1
Epn2_j1	0.812101	1.23673		0	1	1
Prpsap2_j7	0	0.060947	1.79769e+308		0.186599	1
Ncor1_j1	0.29325	0.0922889		0	1	1
Cox10_j2	6.14086	5.448		-0.172713	0.267034	0.616066

Arhgap44_j2	0	0.208678	0	1	1
Arhgap44_j3	0	0.330278	0	1	1
Dnahc9_j6	0	0.0501259 1.79769e+308	0.0412521		1
Dnahc9_j10	0.0192692	0.0470863	1.28901 0.416543		1
Ndel1_j2	0	0.312276	0	1	1
Chd3_j8	1.33682	0.869293	0	1	1
Kdm6b_j1	0.0255498	0.606078	0	1	1
Kdm6b_j2	0.0155446	1.19682	0	1	1
Dnahc2_j8	0	0.0557124 1.79769e+308	0.0781646		1
Eif4a1_j7	1.17446	1.32888	0	1	1
Fgf11_j1	1.08758	2.66649	1.29382 3.48E-08	2.15E-06	
Tmem102	0.0654953	0.201799	1.62346 0.0206727	0.144135	
Acap1_j3	0	0.140426 1.79769e+308	0.0314671		1
2810408A11Rik_j5	0.0501269	0.247448	2.30347 0.0266062	0.171585	
Eif5a_j1	123.781	139.091	0	1	1
Slc2a4_j1	0.0891015	0.194098	1.12326	1	1
Slc16a13_j6	0	0.213978 1.79769e+308	0.0022996	0.0278674	
Pelp1_j2	6.99243	7.58355	0.117078 0.346605	0.685483	
Cxcl16	0.184423	0.212867	0.20694 0.62474	0.853461	
Spag7_j1	15.9151	18.9725	0	1	1
Pitpnm3_j3	0.608136	0.892857	0.554035 0.0378024	0.2158	
Pitpnm3_j5	0	0.059336 1.79769e+308	0.0128048		1
Slc13a5_j3	0.0752368	0.297352	1.98266 0.104251	0.400557	
Spns3_j2	0.0338928	0.198727	2.55173 0.0342369	0.202738	
Spns3_j1	0.0514093	0.0789474	0.618861 0.710717		1
Cyb5d2	4.82808	4.72279	0	1	1
mKIAA1039_j1	0.0705423	0.34166	0	1	1
Sgsm2_j5	1.14233	0.603796	0	1	1
Rpa1_j2	0.905321	0.781086	0	1	1
Wdr81_j1	4.87261	7.11591	0.546352 0.0002297	0.0043008	
Fam101b_j1	2.37879	1.84277	0	1	1
Vps53_j3	0.415181	0.552126	0	1	1
Abr_j5	0.00287415	8.00163	0	1	1
Cpd_j1	17.7806	18.6203	0.0665695 0.48278	0.77583	
Efcab5_j1	0.0957083	0.104605	0.128237 0.900013		1
Ankrd13b_j4	13.3804	26.9509	0	1	1
Taok1_j4	0	0.0641099	0	1	1
Pipox_j9	0	0.220803 1.79769e+308	0.0192988	0.137487	
Supt6h_j2	5.34106	5.96294	0	1	1
Sarm1_j2	0.139611	2.40297	0	1	1
Tnfaip1_j1	4.15683	5.50805	0	1	1
Tmem97_j1	0.628825	0.59824	-0.0719324 0.931002	0.978914	
Ksr1_j15	3.54604	3.5465	0.00018729 0.999147	0.999631	
Ksr1_j17	0.292309	0.48637	0.734562 0.0364522	0.211118	
Ksr1_j16	0.845572	0.883611	0.0634838 0.766265	0.920277	
Wsb1_j2	0.901086	5.47241	0	1	1
Evi2b	0.0366456	0.225724	2.62284 0.0151008	0.115427	

Utp6_j1	1.66138	2.18401	0.394597	0.0952403	0.381032
Accn1_j6	0	0.0934294	0	1	1
Accn1_j1	0.694367	0.770651	0.15038	0.782147	0.926378
Cct6b_j1	0.299938	0.322147	0.103054	0.906518	0.970402
Slfn9_j2	0.0181606	0.384715	0	1	1
Gm12576_j2	0	0.155037 1.79769e+308		0.0976016	1
Tada2a_j5	1.45149	2.00479	0	1	1
Mrm1_j1	6.19931	7.086	0.192864	0.222146	0.569314
Ggnbp2_j4	1.74774	1.28638	-0.442175	0.316411	0.660085
Ggnbp2_j5	0.0421624	0.0708193	0.748185	0.539378	1
Ggnbp2_j7	0	0.0623015 1.79769e+308		0.0677164	1
Usp32_j5	0	0.14525	0	1	1
Appbp2_j2	0	0.0705706	0	1	1
AK135737_j2	0.200982	0.114642	-0.809937	0.432506	0.744252
Med13_j2	0.582846	0.807945	0	1	1
Tmem49_j1	4.89311	12.7842	0	1	1
Tmem49_j2	1.99599	4.50442	0	1	1
Tmem49_j3	0.728662	0.480129	0	1	1
1200011M11Rik_j1	2.17137	3.25808	0.585413	0.019529	0.138663
Rad51c	0.522202	0.611561	0.227888	0.565074	0.823689
Msi2_j1	0	0.0650987	0	1	1
Scpep1_j2	3.40051	11.3365	0	1	1
Pctp_j1	8.62351	5.48764	-0.652089	4.88E-05	0.00117
Hlf_j1	0.0410759	0.145517	1.82482	0.0155542	1
Luc7l3_j3	1.87865	2.49146	0	1	1
Luc7l3	2.54288	2.8749	0	1	1
Abcc3_j2	0	0.164025 1.79769e+308		0.0871765	0.361104
Abcc3_j8	0	0.19674 1.79769e+308		0.0710506	0.320458
Mycbpap_j4	0	0.071476	0	1	1
Acsf2_j4	0	0.116406 1.79769e+308		0.177833	1
Itga3_j6	0	0.122076 1.79769e+308		0.0019309	1
Gm11515_j1	0.0646518	0.151986	1.23317	0.167358	1
Myst2_j8	0.889424	1.3604	0	1	1
Nxph3_j2	0	0.370994 1.79769e+308		0.0018163	0.0231692
Ngfr_j2	57.9529	69.8934	0	1	1
Abi3_j1	0.119897	0.0999296	-0.262809	0.676994	1
Ube2z_j2	19.741	19.2898	0	1	1
Gm11536_j1	0	0.156777 1.79769e+308		0.0117494	1
Nfe2l1	39.6147	62.0683	0	1	1
Nfe2l1	42.8124	39.6209	0	1	1
Cdk5rap3_j3	0.548957	0.752388	0.454785	0.302363	0.648402
Tbkbp1_j1	6.18918	6.34981	0	1	1
Npepps_j4	1.46464	1.67625	0	1	1
Srcin1_j5	0.248019	0.746824	0	1	1
AK155239_j3	0	0.911189	0	1	1
Pcgf2_j2	1.13858	0.643382	-0.82349	0.0276101	0.175894
Pcgf2_j3	3.25935	3.35325	0.0409766	0.821776	0.94254

Pip4k2b_j3	7.66059	9.58974	0	1	1
Rpl23_j9	0	0.488392 1.79769e+308	0.0140015	0.109497	
Plxdc1_j2	0	0.118444 1.79769e+308	0.0312423		1
Plxdc1_j3	0	0.154775 1.79769e+308	0.0058009		1
Arl5c	0.06287	0.0408889	-0.620664	0.741182	1
Cacnb1_j1	7.60495	9.60993	0	1	1
Pgap3_j2	0.66953	1.47568	0	1	1
Gm12355	14.9965	15.2871	0.0276865	0.827729	0.944579
Med24_j1	0	0.127743	0	1	1
Krt19_j2	0	0.0636745 1.79769e+308	0.156717		1
Hap1_j3	0.0509279	0.0507444	0	1	1
Nt5c3l_j2	0.872707	1.78621	1.03333	0.0084193	0.0753748
Acly_j4	44.1537	59.8333	0	1	1
Acly_j6	33.0178	46.5045	0	1	1
Dnajc7_j6	13.3354	14.876	0.157728	0.127076	0.444145
Dnajc7_j7	0.957217	1.086	0.182103	0.472191	0.769302
Kcnh4_j2	0	0.0467822 1.79769e+308	0.0830344		1
Stat5b_j3	0	0.426242	0	1	1
Plekh3_j1	0.931504	0.569451	-0.709989	0.0482379	0.252681
1700113I22Rik_j1	0.0933875	0.200413	1.10167	0.349204	0.687028
Meox1_j2	0.154843	0.407443	1.39579	0.0432358	0.235975
Mpp2_j3	0	0.108543	0	1	1
Lsm12_j1	12.9363	16.7171	0.369897	0.0035729	0.039578
Hdac5	7.64685	6.16335	0	1	1
Hdac5	1.43275	1.62313	0	1	1
Ubtj_j2	1.43741	1.61916	0	1	1
Itga2b_j7	0.0169892	0.107418	2.66055	0.035525	1
Gpatch8_j3	0.527284	0.826908	0	1	1
Gpatch8_j4	0.347065	0.396118	0	1	1
Ccdc43_j1	5.07808	4.82814	-0.0728139	0.686479	0.883229
Gfap_j3	0	0.234851 1.79769e+308	0.0093693	0.0816588	
Gfap_j4	0	0.0918869 1.79769e+308	0.0528589		1
4933400C05Rik_j1	0	0.0596142 1.79769e+308	0.167204		1
Map3k14_j1	0.038768	0.191391	2.30359	0.0046071	0.0477659
Plekhm1_j1	1.11281	2.27663	0	1	1
XLOC_005258	0.120638	0.253773	1.07285	0.465532	0.765429
Ftsj3_j2	0	1.2112	0	1	1
Ftsj3	8.31326	8.27552	0	1	1
Smarcd2	3.66497	3.82824	0	1	1
Scn4a_j3	0.00620182	0.191162	0	1	1
Icam2_j3	0.105222	0.174618	0.730759	0.638904	0.860198
Ern1_j1	0.841238	0.662983	0	1	1
Ddx5_j3	3.39405	2.04137	0	1	1
Ddx5_j7	11.0875	10.9793	0	1	1
Kpna2_j1	4.44051	5.7318	0.368263	0.0635288	0.298841
Bptf_j8	0	0.140049 1.79769e+308	5.22E-06		1
Pitpnc1_j2	0.127829	0.580912	0	1	1

Fam20a_j3	0.0245448	0.0503195	1.0357	0.521227	1
Abca5_j2	0.0861755	2.03116	0	1	1
XLOC_005303	0.113254	0.670917	2.56657	0.1003	0.391964
2610035D17Rik	0.598453	0.861546	0	1	1
Cdc42ep4_j1	5.07396	8.36963	0	1	1
Sdk2_j1	0.264247	0.271134	0.0371187	0.906721	0.970429
Fdxr_j2	0.734255	0.518835	0	1	1
Fdxr_j1	0	0.217896	0	1	1
C630004H02Rik_j1	7.90444	12.8089	0	1	1
C630004H02Rik_j2	0	0.816457	0	1	1
Recql5_j4	0	0.432603	1.79769e+308	0.0001682	0.0033206
Recql5_j5	0	0.570128	1.79769e+308	2.70E-07	1.30E-05
Unc13d_j3	0.311049	0.533063	0.777165	0.337505	0.677992
Unc13d_j11	0.0472707	0.105442	1.15744	0.20339	1
Trim47_j1	0.0515484	0.220681	2.09796	0.0329285	0.197656
Mrpl38_j2	0.684045	0.841116	0.298215	0.107574	0.407702
Fbf1_j3	2.35106	2.33113	0	1	1
Fbf1_j5	0.292428	0.517498	0	1	1
Fbf1_j7	0.544102	0.57134	0	1	1
Fbf1_j6	0.0961411	0.288083	0	1	1
Evpl_j1	0.129882	0.128861	0	1	1
Srp68_j2	7.14176	10.4518	0	1	1
Prpsap1_j5	15.2228	17.5869	0	1	1
Ube2o_j1	16.6738	18.0028	0	1	1
Rhbdf2_j4	0	0.280132	1.79769e+308	8.69E-05	0.0019016
St6galnac2_j1	0.04256	0.0742954	0.803775	0.526187	1
XLOC_005363	1.99794	2.07517	0.0547205	0.885523	0.963679
Cyth1_j2	1.87553	2.02675	0	1	1
Usp36_j6	9.00E-05	0.455077	0	1	1
Timp2_j3	222.578	189.963	0	1	1
Rbfox3_j1	7.72975	15.2871	0	1	1
Rbfox3_j10	0.76432	0.999955	0	1	1
Tbc1d16_j1	0	0.0490685	0	1	1
Eif4a3_j2	0.0548656	0.0234849	-1.22417	0.574305	1
Nptx1_j1	44.3108	30.4365	-0.541852	7.92E-10	6.78E-08
Aatk_j11	5.98102	9.48403	0	1	1
Slc38a10_j2	0.661629	0.622007	0	1	1
Slc38a10_j4	0.453737	0.568125	0	1	1
Nploc4_j3	23.9511	23.7942	0	1	1
Pde6g	6.10E-06	0.181172	14.8583	0.996721	0.999085
Sirt7_j3	0.117744	0.0294428	0	1	1
Sirt7_j4	0	0.187173	0	1	1
Notum	0.0548014	0.115791	1.07924	0.426567	1
Notum_j4	0.11358	0.219148	0.948193	0.49161	0.780573
Ccdc57_j3	0.0444594	0.0504394	0.182062	0.885503	1
Ccdc57_j5	0	0.0798078	1.79769e+308	0.0162353	1
Csnk1d_j2	37.7342	38.4699	0	1	1

Wdr45l_j3	0	4.66161	0	1	1
Rab40b_j3	0	0.0931566	1.79769e+308	0.0601004	1
XLOC_006538	0.450096	0.395193	-0.187676	0.739546	0.908646
Kif3c	29.8789	28.36	0	1	1
Dtnb_j3	2.33515	0.950439	-1.29685	3.90E-09	2.95E-07
Dtnb_j2	1.43446	0.726123	-0.982221	7.52E-05	0.0016827
XLOC_006542	2.88327	2.63741	-0.128584	0.594413	0.838496
Dnmt3a_j1	0.626976	0.314284	0	1	1
Dnajc27	5.02471	2.2915	0	1	1
Adcy3_j3	0.491374	0.343946	0	1	1
Adcy3_j5	0.330642	0.672081	0	1	1
BC067010_j1	2.28741	2.32258	0.0220152	0.897371	0.967349
XLOC_006549	0.210632	0.172894	-0.284838	0.629434	0.856004
Its2	0.267263	0.177986	-0.586499	0.0915177	0.371785
Atad2b_j3	0.171938	0.155423	0	1	1
Atad2b_j2	0.0827733	4.52E-05	0	1	1
2810032G03Rik	2.40901	1.75771	0	1	1
XLOC_006559	0.208528	0.105398	-0.984396	0.164849	0.500932
1110057K04Rik	2.88638	3.01019	0	1	1
1110057K04Rik_j1	8.63782	8.73049	0	1	1
XLOC_006561	0.0632219	0	0	1	1
XLOC_006561	0.139295	0.0662131	0	1	1
Hs1bp3	4.10217	3.5924	0	1	1
Pum2_j10	6.0467	5.47081	0	1	1
Sdc1_j1	13.2647	29.7917	1.16732	0	0
Laptm4a	46.8615	52.5827	0.166186	0.0830566	0.351173
Wdr35	2.28703	1.83071	0	1	1
Wdr35	2.31092	1.89184	0	1	1
Ttc32	1.29078	1.26059	-0.0341447	0.901635	0.968734
Rdh14	8.38159	9.15176	0.126824	0.388748	0.716153
XLOC_006574	0.12182	0.106922	-0.188195	0.77741	1
Smc6	5.81991	5.85056	0.00757839	0.945505	0.983783
Rad51ap2	0.116694	0.0516901	-1.17477	0.536495	1
Fam49a	1.69522	1.19632	0	1	1
Fam49a	0.500276	0.425034	0	1	1
XLOC_006578	0.127044	0	-1.79769e+308	0.0526156	1
XLOC_006579	0.170786	0.134361	-0.34608	0.639716	0.860687
XLOC_006580	0.127826	0.113689	-0.169079	0.793621	1
XLOC_006581	0.171973	0.067075	-1.35833	0.330561	0.672467
Nbas_j1	1.97863	0.835451	0	1	1
Nbas_j8	0.468157	0.355741	0	1	1
Nbas_j7	3.9613	3.50535	0	1	1
XLOC_006586	0.175432	0.0992145	-0.82229	0.206785	0.551437
XLOC_006586	0.159528	0.147736	-0.110785	0.870853	0.958871
AK045700_j1	0.253393	0.146234	-0.793101	0.274404	0.623505
XLOC_006588	0.375348	0.338148	-0.150575	0.608874	0.84604
Ntsr2_j2	0.264782	0.176771	-0.582927	0.442388	0.750549

Ntsr2_j1	0.732312	0.501283	-0.546834	0.0548468	0.273143
Ntsr2	0.306009	0.192224	-0.670787	0.346154	0.685401
E2f6	9.51161	9.10268	0	1	1
E2f6	12.0917	8.74928	0	1	1
E2f6_j2	0.48118	0.469185	0	1	1
Rock2	3.29177	3.71957	0.176275	0.0707568	0.319729
Pdia6	43.9975	50.9041	0.210359	0.0216063	0.148666
Nol10_j1	0.828711	0.361505	0	1	1
Nol10_j3	1.63498	1.01852	0	1	1
Odc1_j12	0.196063	0.216784	0.144939	0.86993	0.958673
Hpcal1_j2	2.76936	0.313813	-3.14158	4.01E-06	0.0001396
XLOC_006602	2.73483	1.7052	0	1	1
Cpsf3	8.58034	7.23783	0	1	1
AK133650_j1	1.254	1.14073	-0.136576	0.51279	0.7923
XLOC_006609	0.214814	0.132391	-0.698287	0.182363	0.522846
XLOC_006609	0.190643	0.192653	0.0151309	0.971066	0.991875
Taf1b	0.688623	0.673066	-0.0329672	0.923151	0.976043
Grhl1_j2	0.151032	0.104409	-0.53261	0.403988	0.72656
Klf11	2.41459	1.92007	0	1	1
Rrm2_j4	0.240321	0.0359709	-2.74006	0.0872256	0.361215
Mboat2	1.15449	1.14327	-0.0140971	0.946191	0.98395
Mboat2	7.63932	7.30727	-0.0641124	0.527317	0.801511
Kidins220_j2	6.15052	5.72402	0	1	1
Kidins220_j4	39.7292	45.7037	0	1	1
Cmpk2	6.28538	5.0564	-0.313889	0.0177646	0.129705
Rnaseh1	5.64809	5.76448	0.0294272	0.850368	0.952392
Adi1	6.73891	6.11486	-0.140195	0.304378	0.650023
Tssc1	13.0004	13.7718	0.0831516	0.489738	0.779571
XLOC_006629	0.126007	0.0958382	-0.394834	0.584616	1
Myt1l	0.000622821	0.202999	0	1	1
Pxdn	0.769082	0.126624	0	1	1
Pxdn_j4	0.186553	0.472231	0	1	1
Pxdn_j9	0.772515	0.173723	0	1	1
Tmem18	12.7171	12.0361	-0.0793991	0.452331	0.757478
Sh3yl1	4.02146	5.51605	0.455917	0.0050368	0.0509945
Lamb1	0.589382	0.648662	0	1	1
Lamb1_j5	0.0270204	0.121536	0	1	1
Cog5_j3	0.873317	0.738081	0	1	1
Nampt	7.35418	6.92583	-0.0865786	0.446453	0.753343
Nampt_j2	1.28773	1.15835	-0.152754	0.538939	0.80821
Sypl	7.33176	6.43663	-0.187853	0.0935228	0.376665
Atxn7l1	5.20872	4.61509	-0.17457	0.267351	0.616277
Atxn7l1_j2	0.0519205	0	-1.79769e+308	0.0020824	1
Efcab10	2.2565	1.66904	-0.43507	0.20427	0.548428
Twistnb_j1	1.94572	1.93697	-0.00650429	0.971756	0.991962
Twist1	0.571064	0.642828	0.17078	0.642018	0.86192
Snx13_j2	1.27877	1.04123	0	1	1

Snx13	4.3436	4.20155	0	1	1
Snx13_j8	1.55651	2.01807	0	1	1
Snx13_j10	0.765958	0.921315	0	1	1
Ankmy2	7.09311	6.26483	0	1	1
Sostdc1	20.2009	21.455	0.0868916	0.406518	0.727764
Ispd	2.00384	1.93024	0	1	1
Ispd_j1	0.199967	0.243649	0	1	1
Meox2	0.676986	0.88553	0.387416	0.107256	0.407079
Tmem195	1.14369	1.02136	-0.163212	0.537962	0.807846
Dgkb_j3	0.943245	6.53E-05	0	1	1
Dgkb	0.456864	0.666785	0	1	1
Etv1_j3	1.06588	0.488004	-1.12708	0.114921	0.421814
Etv1_j6	0.841616	0.273584	-1.62118	0.0572328	0.280348
Dock4	1.49822	1.47462	-0.0229038	0.885494	0.963679
Dock4_j3	2.51444	2.73229	0.11987	0.459239	0.761406
Pnpla8_j1	0.917734	1.12986	0	1	1
Nrcam_j1	3.20018	2.577	0	1	1
Nrcam_j4	2.99474	2.63241	0	1	1
Nrcam_j3	3.74284	4.85403	0	1	1
XLOC_006658	0.140778	0.012215	-3.52669	0.261233	0.610417
XLOC_006658	0.115035	0.140004	0.283401	0.719941	1
XLOC_006658	0.122252	0.0987896	-0.307424	0.816828	1
XLOC_006659	1.03796	0 -1.79769e+308		6.42E-11	6.80E-09
G2e3_j1	0.248933	0.153987	-0.692955	0.138719	0.463181
G2e3	0.33659	0.308416	-0.126116	0.709292	0.894155
Scfd1	18.2459	17.8145	-0.0345171	0.736683	0.907294
Ap4s1	3.92618	3.84396	0	1	1
Nubpl_j1	0.15431	0.0403289	-1.93595	0.0391309	0.220695
Arhgap5_j3	0.738265	0.125424	-2.55733	2.71E-10	2.52E-08
Akap6_j3	0.059367	0	0	1	1
Srp54a_j3	17.917	20.8586	0	1	1
Srp54c	42.5936	39.8028	0	1	1
Psma6	71.5689	70.8379	-0.0148117	0.867694	0.958158
Aldoa	34.9173	35.0671	0.0061761	0.949079	0.985323
Brms1l	21.0284	19.2697	-0.126006	0.184768	0.525111
Prps1l3	7.02188	5.61914	-0.321508	0.0088436	0.0782138
Mipol1_j1	1.91271	1.88785	-0.0188752	0.901461	0.968727
Sip1	1.72718	1.79754	0.0576031	0.778805	0.925532
Pnn	15.5291	16.1433	0.055959	0.56186	0.821818
Ctage5	10.9768	11.3974	0.0542514	0.655184	0.868251
XLOC_006684	0.0990036	0.0458726	-1.10985	0.341582	1
Lrfn5	0.235144	0.475655	0	1	1
Lrfn5_j2	0.18512	0.695828	0	1	1
Lrfn5_j6	0.888705	0.820708	0	1	1
Gm527_j1	0.259494	0 -1.79769e+308		1.90E-05	0.0005328
Gm527	3.36591	3.01982	-0.156532	0.36071	0.695583
Gm527_j2	0.416402	0.402824	-0.0478269	0.915804	0.973755

Fam179b	5.65333	5.46342	-0.049297	0.663273	0.872469
Fam179b	1.5441	1.61088	0.0610771	0.73581	0.907016
Fancm_j3	0.319112	0.363331	0.18722	0.53362	0.805224
Fancm	0.19857	0.118797	-0.741148	0.07149	0.321458
9330151L19Rik	2.20084	1.81891	0	1	1
Klhdc1_j1	0.324186	0	0	1	1
Klhdc1	2.26666	2.26466	0	1	1
Klhdc2	22.5519	21.2901	0	1	1
XLOC_006699	0.210763	0.164207	-0.360109	0.758975	0.917041
Atp5s	2.4247	2.22517	0	1	1
Atp5s	1.00251	0.757857	0	1	1
Atp5s_j2	2.77432	2.5831	0	1	1
Atl1_j1	1.20842	1.28799	0	1	1
Atl1	0.141974	0.113092	0	1	1
Tmx1	19.7146	21.9456	0.154662	0.116645	0.424687
Actr10	29.5335	28.3865	-0.0571437	0.518236	0.796352
Psm3_j3	0.171702	0.0239109	-2.84416	0.16546	0.502131
Psm3_j11	0.733783	0.386838	-0.923625	0.265041	0.613897
Psm3_j12	4.58708	4.12494	-0.153202	0.309375	0.654043
Arid4a	1.00013	0.863229	0	1	1
Arid4a_j1	1.55078	0.992909	0	1	1
2700049A03Rik_j2	0.0705376	0	0	1	1
2700049A03Rik	0.120282	0.0784051	0	1	1
Dact1	0.107094	0.00724628	-3.8855	0.0973708	1
Dact1	0.471979	0.385299	-0.292746	0.435167	0.74606
Daam1	7.91452	7.82221	0	1	1
Daam1	1.33858	1.32228	0	1	1
Daam1_j2	4.15591	4.55777	0	1	1
Jkamp_j2	13.0365	20.124	0	1	1
Jkamp	7.85761	6.70368	0	1	1
Jkamp	6.05259	6.10495	0	1	1
Lrrc9_j1	0.104636	0.102553	-0.0290074	0.968842	1
Lrrc9_j5	0.124489	0.0936779	-0.410239	0.651484	1
1810048J11Rik	2.41617	1.93091	-0.323441	0.282938	0.631512
1810048J11Rik	3.78083	3.40236	-0.152166	0.259682	0.608462
Ppm1a	10.4364	9.3644	-0.156366	0.100501	0.392473
Mnat1_j2	12.7487	12.7501	0	1	1
Mnat1	1.79489	1.38469	0	1	1
XLOC_006723	0.132655	0.0548427	-1.27431	0.19986	1
Prkch	1.20629	1.08807	-0.148803	0.500549	0.785042
Hif1a_j3	6.79045	7.27288	0	1	1
Hif1a	2.82232	2.07499	0	1	1
Hif1a_j4	0.268947	0.0116875	0	1	1
Snapc1_j4	5.02482	6.27959	0	1	1
Snapc1	3.47057	2.81597	0	1	1
Snapc1_j5	7.9962	10.9619	0	1	1
Syt16	0.705927	0.397987	0	1	1

1700086L19Rik	2.69163	2.76568	0.0391576	0.746175	0.911606
Rhoj	2.02174	2.66737	0.399819	0.0341002	0.202242
Syne2_j10	0.331157	0.383453	0.211533	1	1
Syne2_j11	0.427927	0.451266	0.0766123	0.764119	0.919014
Syne2_j13	0.692101	0.493994	-0.486489	0.169721	0.506699
Syne2_j16	0.9985	2.48708	1.31662	5.62E-07	2.50E-05
Mthfd1	1.59088	1.37524	0	1	1
Mthfd1_j1	5.06925	4.77271	0	1	1
Zbtb1_j2	0.0496166	0.0978714	0.980065	0.216445	1
Hspa2	7.14127	6.86341	0	1	1
Gm70_j2	0.342019	0.276386	-0.307391	0.623869	0.853084
Gm10451	0.181856	0.1487	-0.29039	0.670841	0.8755
Churc1	13.2109	14.0768	0.0915809	0.532885	0.804635
Churc1_j2	10.0238	9.67784	-0.0506798	0.857285	0.954789
Fntb	16.0704	15.6297	-0.0401171	0.695124	0.887557
Fut8	4.81609	4.12086	0	1	1
Fut8_j1	0.88768	0.714734	0	1	1
Fut8_j2	0.680762	1.02221	0	1	1
Gphn	1.29215	1.33174	0	1	1
Gphn_j4	2.1998	1.55788	0	1	1
Mpp5	0.587063	0.524528	0	1	1
Mpp5_j1	2.67465	1.20878	0	1	1
Mpp5_j3	3.30754	4.27986	0	1	1
Mpp5_j4	1.39966	0.00805664	0	1	1
Eif2s1	6.43055	6.59371	0	1	1
Plekhh1	3.872	4.68197	0	1	1
Rdh12_j3	0.1318	0 -1.79769e+308		0.0083328	1
Rdh12	0.497809	0.457415	-0.122088	0.772059	0.922643
Exd2	1.03129	0.649906	-0.666145	0.0097032	0.0838348
Exd2	0.438235	0.588981	0.426517	0.190841	0.533094
Galnt1	0.211121	0.0553312	0	1	1
Slc39a9	4.99137	4.04679	0	1	1
3830431G21Rik	10.3925	6.79368	0	1	1
4933426M11Rik	7.46353	6.01478	0	1	1
4933426M11Rik_j3	0.178086	0	0	1	1
4933426M11Rik_j4	0.254041	0.191239	0	1	1
Srsf5_j8	1.5984	0.712751	-1.16516	0.0026488	0.0312296
Srsf5_j5	3.14118	3.22238	0.0368161	0.855831	0.95442
Srsf5_j3	2.80881	3.57559	0.348224	0.0814179	0.347561
Smoc1	1.46526	1.28621	0	1	1
Smoc1_j5	1.1174	0.907884	0	1	1
Smoc1_j6	0.872189	1.09203	0	1	1
Ttc9	4.41039	3.99729	0	1	1
Pcnx_j1	3.18517	4.41285	0	1	1
Pcnx_j7	2.1482	3.0015	0	1	1
Pcnx_j10	3.42326	5.99579	0	1	1
Sipa1l1_j1	3.70401	3.29718	-0.167858	0.150269	0.480381

Sipa1l1_j2	0.0516102	0.0609509	0.239992	0.761397	1
Rgs6_j6	2.06969	0.914361	-1.17858	2.07E-09	1.65E-07
Dcaf4_j2	0.459582	0.505014	0.136	0.780384	0.925835
Dcaf4	9.34541	8.89713	-0.0709188	0.570232	0.826188
Rbm25	16.6779	16.1413	-0.0471762	0.620348	0.851085
Psen1	8.84073	8.31807	0	1	1
Acot2	1.52918	1.5863	0.0529081	0.819443	0.941524
Acot1	4.4801	4.49708	0.00545558	0.9731	0.992199
Acot6	1.50655	1.66991	0.148525	0.467601	0.766717
Dnalc1	2.7988	2.08747	0	1	1
Zfp410_j2	0.170299	0 -1.79769e+308		1.08E-07	5.77E-06
Zfp410_j1	3.49021	1.65594	-1.07567	7.40E-11	7.74E-09
Zfp410_j6	0.05319	0.063938	0.265518	0.857483	1
Coq6	2.99277	2.70737	-0.144589	0.346858	0.685763
Lin52_j1	0.135125	0 -1.79769e+308		0.0066061	1
Isca2	14.2338	10.7071	-0.410753	0.0193319	0.137662
Fcf1_j4	0.0814224	0.119117	0.548882	0.740468	1
Fcf1_j5	0.326414	0 -1.79769e+308		0.0041807	0.0442779
Ylpm1_j2	2.79461	2.48246	0	1	1
Ylpm1	2.45142	2.44125	0	1	1
XLOC_006782	0.225729	0.0719943	0	1	1
Dlst	2.36661	2.24647	0	1	1
Eif2b2	23.8608	24.6737	0.0483283	0.643076	0.862213
Fam164c	0.564295	0.546701	-0.045698	0.862929	0.956568
Fos	2.20472	3.4529	0.647214	9.13E-05	0.0019868
Jdp2	0.691909	0.488353	-0.502657	0.0908739	0.370591
Jdp2	0.73452	1.0078	0.456333	0.179002	0.518629
Mfsd7c	0.145758	0.0493727	-1.56179	0.0684747	0.313423
Ttll5_j1	4.46769	4.80262	0.104294	0.406569	0.727764
1700019E19Rik	6.76043	8.02786	0.2479	0.162676	0.498056
Kiaa1152	0.410176	0.525011	0.356105	0.21562	0.561479
1700020O03Rik	3.23465	2.90703	-0.154067	0.208106	0.55225
Esrrb	0.988582	0.197627	-2.32258	1.24E-08	8.56E-07
Vash1	8.15976	8.44324	0	1	1
Vash1_j3	8.20399	10.1651	0	1	1
Kiaa1737_j3	11.3103	13.2856	0	1	1
Tmem63c	14.7463	15.0093	0	1	1
Tmem63c_j1	17.7873	22.4509	0	1	1
Ahsa1	71.1276	72.0218	0.0180249	0.841346	0.949906
1810035L17Rik	0	0.388585 1.79769e+308		0.0002921	0.0052295
Adck1	2.79726	2.61848	0	1	1
Adck1	1.84246	2.10061	0	1	1
Nrxn3_j2	0.140674	0.0289712	-2.27966	0.168236	0.50494
Nrxn3_j3	0.176125	3.40E-05	-12.3382	0.973447	0.992363
Nrxn3_j7	0.16787	1.66E-05	-13.2998	0.980778	0.994152
Nrxn3_j11	0.128495	0 -1.79769e+308		0.001148	1
Nrxn3_j18	2.03925	1.70481	0	1	1

Nrxn3_j17	2.41379	0.971174	0	1	1
Nrxn3_j22	0.712696	0	0	1	1
Nrxn3_j1	6.68871	5.03035	0	1	1
Tshr	0.255737	0.0950746	-1.42753	0.011511	0.0950709
Flrt2_j1	1.04707	1.6581	0	1	1
Flrt2_j2	0.853038	0.821002	0	1	1
Gpr65	0.426179	0.265739	-0.681452	0.180502	0.520279
Spata7_j2	1.0913	1.01899	-0.0989079	0.756877	0.91616
Spata7	4.35472	4.5488	0.0629067	0.695722	0.887811
Zc3h14_j1	0.400615	0.30176	0	1	1
Zc3h14	0.767975	0.368586	0	1	1
Ttc8	3.58257	3.04693	-0.233642	0.187248	0.528218
Ttc8_j2	0.229883	0.324786	0.498589	0.411423	0.730688
AK131831	0.235974	0.18299	-0.366862	0.575539	0.828379
Tdp1	4.40846	4.46128	0.0171813	0.910969	0.972049
Kcnk13	0.0990929	0.228936	0	1	1
Kcnk13	0.560512	0.348422	0	1	1
Psmc1_j2	4.24949	3.46642	0	1	1
Calm1	603.624	522.586	-0.207982	0.0520973	0.264884
AK039577_j1	0.378151	0.0724851	-2.38321	0.0128771	0.103413
AK039577_j3	0.0637245	0 -1.79769e+308	0.0756051	0.0756051	1
9030617003Rik	2.67729	3.37687	0.334912	0.0377471	0.215658
Cpsf2	9.79775	10.339	0.0775807	0.413918	0.732571
Slc24a4	0.17885	0.14017	-0.351576	0.390253	0.717195
Rin3	0.861821	0.780403	-0.143168	0.576357	0.82894
Golga5	7.85037	7.93874	0.0161504	0.893527	0.966325
Chga	96.685	78.4069	-0.302312	0.0004586	0.0075754
Chga_j1	0.0466709	0 -1.79769e+308	0.0723732	0.0723732	1
D230037D09Rik	1.47701	1.48133	0	1	1
Ubr7	8.48561	8.22565	-0.0448878	0.695358	0.887572
Unc79_j4	0.237746	0.156171	-0.6063	0.120766	0.432802
Unc79_j1	0.048458	0 -1.79769e+308	0.0004072	0.0004072	1
Otub2	1.52424	1.52204	0	1	1
Ifi2711_j2	0.133441	0.17404	0.38322	0.779692	0.925661
Ppp4r4_j1	0.256278	0.325937	0	1	1
Ppp4r4	3.98702	3.53173	0	1	1
Serpina3g_j3	15.3504	12.6843	0	1	1
Serpina3n	39.0923	44.8587	0	1	1
Glr5	6.56772	6.9479	0.0811843	0.521069	0.798005
D430019H16Rik	2.06636	2.40127	0.216707	0.172387	0.509909
Bdkrb2	0.342872	0.499405	0.54254	0.124817	0.440164
Bdkrb2_j2	1.59385	2.56354	0.68562	4.80E-05	0.0011531
4933433P14Rik	12.6711	11.4023	-0.15221	0.159086	0.493639
Papola	13.8749	13.0699	0	1	1
Vrk1	1.5198	1.54143	0.020387	0.914163	0.973072
Vrk1	0.737271	0.713184	-0.047921	0.859404	0.955525
Vrk1_j2	2.29027	2.53477	0.146339	0.58286	0.832933

Gm17052	1.25499	1.37452	0.131253	0.792878	0.931005
Ccnk_j2	0.00205068	0.127072	5.95339	0.0439934	1
Ccnk_j4	0.734565	1.00758	0.455929	0.213835	0.55901
Hhipl1	0.260163	0.456156	0	1	1
Hhipl1_j2	0.878103	1.30071	0	1	1
Cyp46a1	5.67909	4.52169	-0.328796	0.0311388	0.190296
Cyp46a1_j3	1.08603	1.49026	0.456495	0.222894	0.569972
Eml1	2.95601	2.13893	-0.466761	0.0367542	0.212053
Eml1_j3	2.53306	2.49702	-0.0206732	0.929305	0.978343
Evl_j1	3.07081	2.31009	-0.410669	0.0666898	0.308554
Evl_j4	0.189145	0.1125	-0.749567	0.596117	0.839228
Yy1	8.45113	7.34897	0	1	1
Yy1_j2	0.0629909	0.0470664	0	1	1
Slc25a47_j3	0.103381	0 -1.79769e+308	0.0060664		1
Slc25a47_j1	0.159539	0.132419	-0.268799	0.73063	0.904795
Rian_j3	0.164975	0.0769329	0	1	1
Rian_j2	2.83547	3.05425	0	1	1
Rian_j1	3.22663	3.25701	0	1	1
Mirg_j10	0.777376	1.23697	0.67013	0.0169314	0.12535
Mirg_j15	4.35407	3.98759	-0.126847	0.437473	0.747672
Ppp2r5c_j2	6.74999	5.47656	0	1	1
Ppp2r5c_j4	1.10164	1.58069	0	1	1
Dync1h1_j5	10.6575	8.46015	-0.333107	0.0003237	0.0056928
Dync1h1_j7	32.8964	29.0537	-0.179208	0.0423147	0.232569
Dync1h1_j11	13.0402	35.6388	1.45048	0	0
Wdr20a_j2	0.0489883	0.0732318	0.580035	0.658072	1
Wdr20a_j3	1.05058	0.951267	-0.143261	0.614286	0.847685
Wdr20a_j5	0.616908	0.379442	-0.701177	0.219488	0.566015
Zfp839	0.376449	0.405406	0.106916	0.774753	0.923737
Zfp839	0.0530842	0.240974	2.18253	0.0028072	0.0326708
Zfp839_j1	0.84796	0.542308	-0.644883	0.0438365	0.238299
Zfp839_j4	0.159631	0 -1.79769e+308	0.0010316		0.0146507
Tecpr2	2.70334	1.70559	0	1	1
Tecpr2_j1	0.805049	0.133392	0	1	1
Rcor1_j2	0.095297	0	0	1	1
Rcor1	2.67437	2.26617	0	1	1
Traf3	1.18467	1.0512	0	1	1
Traf3_j3	5.05738	5.352	0	1	1
A230065H16Rik	0.386703	0.154318	-1.32532	0.254423	0.602729
A230065H16Rik_j2	0.355967	0.283131	-0.330276	0.728731	0.903801
1200009I06Rik_j5	0.289603	0.110334	-1.3922	0.146212	0.474483
Eif5	13.6739	10.4102	0	1	1
Eif5	5.26071	4.48123	0	1	1
Mark3	3.04307	3.17814	0	1	1
Trmt61a	0.805231	0.661399	-0.283883	0.486799	0.777816
Trmt61a_j1	0.301191	0.317099	0.0742565	0.814434	0.939438
Trmt61a	3.40476	3.698	0.119195	0.461339	0.762597

Klc1_j4	25.8018	26.3263	0	1	1
Klc1_j6	10.625	4.35576	0	1	1
Klc1_j11	211.068	226.087	0	1	1
Zfyve21_j3	0.628334	0.457565	0	1	1
Kif26a_j1	0.0533498	0 -1.79769e+308	0.0010296		1
Kif26a_j3	0.155088	0.0832888	-0.896889	0.158243	0.492466
Inf2_j2	1.9734	2.14753	0	1	1
Adssl1	0.525408	0.48485	-0.1159	0.778236	0.925112
Siva1	3.45823	3.06316	-0.175016	0.459019	0.761406
Zbtb42	0.531979	0.567885	0.0942281	0.775489	0.923807
Zbtb42_j1	0.381264	0.305811	-0.318151	0.46714	0.766568
AW555464	14.6023	17.3507	0.248805	0.0065499	0.0625462
AW555464_j5	16.5645	23.0289	0.47535	4.62E-06	0.0001574
Pld4	1.26962	2.56603	1.01515	5.43E-06	0.0001817
BC022687	3.5428	4.39635	0.311414	0.0348206	0.204924
Btbd6	0.652451	0.536043	-0.283523	0.207008	0.551484
Pacs2_j2	27.1455	29.0969	0	1	1
Mta1_j1	0.204556	0.127328	0	1	1
Mta1_j5	6.25066	6.0835	0	1	1
Crip2	56.176	64.0369	0	1	1
Crip2_j3	199.195	227.088	0	1	1
4930427A07Rik	0.299388	0.134942	-1.14968	0.0361426	0.209915
Tmem121	2.7947	2.72222	-0.0379135	0.84916	0.952225
Zfp386	1.454	1.23684	-0.233369	0.362166	0.696475
Esyt2	3.79573	3.51189	0	1	1
Fam62b_j3	0.0948446	0.184195	0	1	1
Ncapg2_j2	0.0605253	0 -1.79769e+308	0.0007425		1
Ncapg2_j1	0.0855361	0.000146535	-9.18914	0.710304	1
Ptprn2_j3	4.21605	4.57344	0	1	1
Ptprn2_j4	1.34637	1.26813	0	1	1
Rapgef5_j1	9.03656	5.37623	0	1	1
Cdca7l_j2	0.0523045	0 -1.79769e+308	0.0273946		1
Cdca7l	0.117332	0.125291	0.0946896	0.897968	1
XLOC_006917	0.30415	7.99E-06	-15.2159	0.997846	0.999228
Tmem196_j3	0.00428688	0.363362	6.40534	0.0973196	0.385583
Tmem196_j2	2.19195	1.01519	-1.11047	7.79E-05	0.0017344
Rab10	56.033	58.7846	0.0691623	0.423652	0.739059
BC048080	0.46441	0.41655	-0.15691	0.561605	0.821809
Efr3b_j5	8.4268	8.79531	0	1	1
Efr3b_j6	1.08488	1.23294	0	1	1
Efr3b	3.60073	3.39885	0	1	1
Ncoa1_j1	4.16087	3.17805	-0.388746	0.0029358	0.0338679
Ncoa1_j3	2.35074	2.03004	-0.21161	0.166187	0.502787
Ncoa1_j4	0.12635	0 -1.79769e+308	6.60E-07		1
XLOC_006928	0.120375	0.145677	0.275233	0.673026	1
Fkbp1b	21.836	21.7979	0	1	1
Ubxn2a_j5	0.210005	0	0	1	1

Ubxn2a_j4	3.21503	4.8415	0	1	1
Ubxn2a_j3	9.85832	7.47227	0	1	1
Klhl29_j1	0.614022	0.000725123	0	1	1
Klhl29	3.75798	3.40918	0	1	1
XLOC_006934	0.124757	0.0663927	-0.910027	0.431163	1
Slc7a15_j2	0.0868482	0 -1.79769e+308	0.0164199		1
Slc7a15_j3	0.0704108	0.0114953	-2.61475	0.150933	1
XLOC_006940	0.182464	0.0864851	-1.07709	0.132753	0.453577
Kcns3	12.8199	11.9221	0	1	1
Vsnl1_j1	24.0887	16.1875	0	1	1
Vsnl1	26.9072	15.1011	0	1	1
Mycn_j1	0.693264	0.579976	-0.257412	0.582801	0.832873
Mycn	1.98969	2.56818	0.368201	0.0449221	0.242247
Ddx1	12.2447	12.2825	0	1	1
Fam84a	0.141208	0.107615	-0.391948	0.672443	0.876277
Trib2	14.0052	8.50754	0	1	1
Trib2_j1	20.5323	16.488	0	1	1
Trib2_j2	1.85982	3.04232	0	1	1
Lpin1_j3	16.9784	15.5446	0	1	1
Lpin1	15.6492	12.9622	0	1	1
Lpin1_j6	0.809001	0	0	1	1
Greb1_j9	0.107083	9.57E-05	-10.1275	0.74658	1
Greb1_j10	0.19442	0.164839	-0.238117	0.557274	0.819539
Pqlc3	8.25132	8.27638	0.00437414	0.966767	0.990488
Kcnf1	1.1389	0.968966	-0.233125	0.204606	0.548782
AK148766_j1	0.107365	0.106266	-0.0148504	0.992389	1
Itgb1bp1	4.71825	4.87866	0.048232	0.694455	0.88733
Ywhaq_j4	0.545352	0.518659	-0.0724021	0.836814	0.947789
AK020054_j1	0.25734	0.428998	0.737298	0.448076	0.754671
XLOC_006971	0.364172	0.529247	0.539322	0.168111	0.5048
Gm16372	3.05908	3.50889	0.197918	0.438597	0.748203
Cys1_j2	1.05884	0.778061	-0.444531	0.114592	0.421224
Id2	12.362	10.2227	-0.274132	0.0455128	0.24425
Rnf144a_j3	0.4034	0.302449	0	1	1
Rnf144a	2.48669	2.15119	0	1	1
Rsad2	1.60633	1.60804	0.00153684	0.993736	0.998222
AK163447_j5	0.628007	0.933991	0.572627	0.0812585	0.347085
AK163447_j2	0.0169232	0.109391	2.69242	0.0140798	1
Colec11_j1	0.0989821	0 -1.79769e+308	0.0411777		1
Ttc15	6.35673	5.50429	0	1	1
Ttc15	13.0459	12.8092	0	1	1
Dld	55.8605	48.1829	-0.213306	0.017257	0.1271
Cbll1	0.390255	0.738989	0	1	1
Cbll1_j2	1.09933	0.797532	0	1	1
Bcap29	23.4371	21.7734	-0.106232	0.314378	0.658584
Bcap29	1.93323	2.08644	0.110035	0.664506	0.872968
Gpr22	2.62228	2.01486	0	1	1

Hbp1	12.1243	11.6368	0	1	1
Prkar2b	45.3816	33.6511	0	1	1
Prkar2b_j4	0.516553	0.572951	0	1	1
F730043M19Rik_j5	0.597118	0.317553	-0.91102	0.0339525	0.20174
F730043M19Rik_j6	1.39439	0.736269	-0.921327	0.014842	0.114021
Hdac9_j3	0.548959	0.235993	0	1	1
Hdac9_j6	0.0810898	0.095122	0	1	1
Hdac9_j12	2.12905	1.46472	0	1	1
Ahr	0.552915	0.723227	0	1	1
Tspan13_j3	4.69404	5.12949	0	1	1
Tspan13	47.9033	44.0272	0	1	1
Bzw2	1.60348	1.82504	0	1	1
Arl4a	4.48329	4.26373	0	1	1
Arl4a	2.02911	2.24628	0	1	1
Scin	2.94006	2.31186	-0.346795	0.0288358	0.180772
Gm889_j1	0.107178	0.0338089	-1.66453	0.340908	1
Ifrd1	0.564858	0.562927	-0.00494003	0.987488	0.996374
Zfp277	4.4568	4.66644	0.0663147	0.647926	0.864358
Lrrn3	10.4612	9.0672	-0.206326	0.0512077	0.262124
Dnajb9	18.4915	14.4912	-0.351686	0.001022	0.0145445
Stxbp6_j4	1.98832	0.567951	0	1	1
Stxbp6	0.707411	0.303983	0	1	1
Nova1	0.693834	0.743803	0.100329	0.705938	0.892502
Prkd1	5.09078	4.61211	-0.14246	0.263665	0.612457
Strn3	2.23465	2.2339	0	1	1
Hectd1_j10	0.451346	0.343838	0	1	1
Hectd1_j12	0.10043	0.678793	0	1	1
Heatr5a_j1	7.17986	5.08238	-0.498453	0.0014272	0.0189862
Heatr5a_j3	1.39355	0.155254	-3.16606	4.76E-09	3.55E-07
Heatr5a_j7	3.32832	1.91401	-0.7982	1.46E-08	9.91E-07
6530401N04Rik	1.6285	1.31242	-0.311309	0.355614	0.691525
6530401N04Rik	2.85619	3.19191	0.160324	0.487668	0.77841
6530401N04Rik_j2	2.22136	1.68777	-0.396321	0.123316	0.43723
Egln3	1.64825	0.946957	-0.79956	0.001288	0.0175069
1110002B05Rik	16.8129	16.8774	0.00552504	0.965322	0.990054
Eapp	8.10409	8.68315	0.0995689	0.392402	0.718659
Gm16382	0.886572	0.837713	-0.0817831	0.877074	0.96086
Snx6_j1	4.79897	5.96432	0	1	1
Snx6	15.4715	12.7193	0	1	1
Cfl2	32.4786	30.3313	0	1	1
Baz1a_j5	0.279454	0.277891	-0.0080886	0.98771	0.996374
Baz1a_j10	0.27066	0.136162	-0.991151	0.0671285	0.309734
Nfkbia	6.58994	7.92741	0.266584	0.0588649	0.285245
Ralgapa1_j1	0.272314	0.0946233	-1.525	0.000229	0.0042901
Ralgapa1_j13	7.52424	5.81539	-0.371669	0.0008753	0.012851
Mbip_j1	0	0.092031	1.79769e+308	0.0945845	1
Mbip	4.56951	4.07669	-0.164643	0.35784	0.693652

Sec23a_j1	3.99192	2.64336	0	1	1
Sec23a	29.3988	25.2735	0	1	1
Trappc6b	20.0449	20.3774	0.0237359	0.844845	0.950919
Fbxo33_j1	4.75118	4.57351	-0.054985	0.705538	0.892269
Fbxo33	1.24152	1.07617	-0.206203	0.362063	0.69637
AK043502_j1	0.129353	0.384229	1.57066	0.0012351	0.0169148
AK043502	0.166655	0.251597	0.594248	0.336535	0.676991
Klhl28	2.33025	2.21339	-0.0742291	0.583827	0.83315
Fkbp3	54.6907	46.1609	0	1	1
Mdga2	0.16568	0.0558949	-1.56761	0.0793758	0.342111
1110034A24Rik_j1	20.7074	23.2089	0	1	1
Rpl36al	3.13598	3.7004	0	1	1
1110034A24Rik	1.59448	1.56929	0	1	1
Pole2_j5	0.189991	0.0778369	0	1	1
Sdccag1_j4	0.263232	0.158924	0	1	1
Gm71	3.3263	3.28761	-0.0168778	0.925841	0.976962
Gm71_j1	0.304203	0.150811	-1.01229	0.124124	0.439089
Gm71_j5	2.28349	1.72696	-0.40301	0.211407	0.556171
Gm71_j6	1.01253	0.862668	-0.231093	0.622421	0.852322
Sos2_j1	4.26054	4.54767	0.0940916	0.429941	0.743005
L2hgdh_j4	0.231161	0.409102	0.823559	0.362193	0.6965
Cdkl1_j4	1.08818	0.691413	-0.654305	0.0454115	0.243949
mKIAA1565_j1	0.818943	0.782851	-0.0650259	0.777001	0.924635
mKIAA1565_j3	0.0507761	0 -1.79769e+308	0.0003963		1
mKIAA1565_j4	0.0718857	0.0249807	-1.52489	0.106212	1
Pygl	7.43924	6.95709	-0.096671	0.413313	0.732136
Trim9_j1	1.02264	0.815266	0	1	1
Trim9_j6	0.0548393	0.534438	0	1	1
Trim9_j8	4.91851	5.19834	0	1	1
AK014224	1.465	1.43126	0	1	1
Timm9_j2	0.848327	0.567479	-0.580054	0.323267	0.666236
Timm9	1.83553	1.8065	-0.023	0.940762	0.982026
2810055F11Rik	0.0612777	0 -1.79769e+308	0.0085158		1
Rtn1	59.8602	72.1173	0	1	1
Rtn1_j2	71.3054	36.5931	0	1	1
Rtn1	19.5919	17.4302	0	1	1
Dhrs7	22.7508	21.2773	-0.0966038	0.37588	0.708088
4930447C04Rik_j2	0.404048	0.37589	-0.104216	0.801365	0.933802
4930447C04Rik_j17	1.14862	1.11987	-0.0365795	0.910175	0.971586
Six1	5.45736	5.94641	0.123814	0.247109	0.594664
Six4_j1	7.96546	5.30901	0	1	1
Trmt5_j6	4.75414	4.77815	0.00726887	0.964775	0.990042
Trmt5	0.452601	0.464922	0.0387468	0.890945	0.965547
Tmem30b	0.644302	0.703708	0.127239	0.571879	0.827089
Kcnh5	1.37815	0.775132	-0.830216	3.16E-08	1.97E-06
Ppp2r5e	13.8269	13.2155	-0.0652512	0.478276	0.772906
Wdr89_j1	33.2684	39.8783	0.26145	0.0035729	0.039578

Wdr89	0.717075	1.41659	0.982229	0.0013334	0.0180186
Sgpp1	11.507	9.31632	0	1	1
Sgpp1_j2	0.456369	0.254415	0	1	1
XLOC_007078	0.382552	0.190436	-1.00635	0.206173	0.55068
Spnb1_j1	1.85366	1.3933	0	1	1
Spnb1	4.81022	3.08336	0	1	1
Rab15_j2	0.627669	1.23769	0	1	1
Rab15_j1	42.6172	41.2043	0	1	1
Rab15_j4	1.26898	0.630617	0	1	1
Rab15	22.6208	20.8324	0	1	1
Max	6.81801	6.82596	0	1	1
Atp6v1d_j4	0.527581	0.383383	0	1	1
Atp6v1d_j2	26.1002	22.8674	0	1	1
Plek2	1.1306	0.914597	-0.305883	0.355067	0.691033
Plek2_j1	2.06029	2.07127	0.00767138	0.973872	0.992504
Tmem229b_j1	0.315054	0.324229	0	1	1
Tmem229b_j4	1.55072	0	0	1	1
Tmem229b	3.60428	3.35446	0	1	1
Pigh	2.12805	1.94391	0	1	1
Vti1b_j4	0	2.67478	0	1	1
Vti1b_j6	39.386	41.4276	0	1	1
Rdh11	15.277	16.155	0	1	1
Zfyve26	0.989718	0.719411	0	1	1
Zfp36l1	8.06403	9.05307	0.166907	0.143753	0.470722
2310015A10Rik	3.11242	2.78605	-0.159815	0.23137	0.578474
Actn1_j7	0.431516	0.12945	0	1	1
Actn1_j8	0.0708652	0	0	1	1
Actn1_j9	2.29362	1.68611	0	1	1
Dcaf5_j2	2.24969	0.713001	0	1	1
Erh_j1	0.552974	0.181038	0	1	1
Gm1568	0.187786	0.120037	-0.645619	0.283523	0.631899
AK145430_j1	0.0958444	0.0792107	-0.274997	0.867407	1
Cox16	35.311	36.3582	0.0421633	0.736944	0.907442
Synj2bp	18.2158	18.3448	0.0101825	0.949957	0.985532
Synj2bp	13.2438	11.7496	-0.172701	0.268129	0.616844
Med6_j7	1.03282	2.62727	0	1	1
Med6_j8	0.0727153	0.115072	0	1	1
Map3k9_j2	5.52667	4.24629	0	1	1
XLOC_007106	0.31073	0.367823	0.243351	0.713785	0.896213
XLOC_007106	0.291917	0.55386	0.923963	0.228123	0.575164
XLOC_007106	0.17762	0.247518	0.478742	0.650081	0.865631
Dpf3_j2	0.189913	0.262814	0.4687	0.596833	0.839798
Zfyve1	7.17818	5.98944	0	1	1
Numb	2.30199	1.86946	0	1	1
Numb_j1	0.245251	0.174012	0	1	1
C130039O16Rik_j1	0.0503021	0.021481	0	1	1
C130039O16Rik	0.532509	0.576742	0	1	1

Gm5436	111.596	113.025	0.0183545	0.843028	0.950311
Fam161b_j1	1.15307	0.885296	-0.381246	0.12124	0.43358
Fam161b	0.642649	0.469725	-0.452217	0.0216868	0.148971
Entpd5	1.66575	1.92577	0.209266	0.270193	0.619387
Aldh6a1	9.35344	6.12256	0	1	1
Abcd4_j1	2.21377	2.14646	0	1	1
Abcd4	3.43007	3.61609	0	1	1
Tmem90a	1.88274	1.37479	0	1	1
Npc2	21.2059	23.1477	0.126399	0.183962	0.524679
Ltbp2_j6	0.080859	0 -1.79769e+308		0.0017443	1
1110018G07Rik_j8	0.0847394	0	0	1	1
1110018G07Rik	5.7921	3.98121	0	1	1
Rps6kl1_j1	0.025422	0.10821	0	1	1
Rps6kl1	2.37264	2.40788	0	1	1
Pgf	2.95266	2.02448	-0.544464	0.0240515	0.159943
Mlh3	1.86635	1.39485	0	1	1
Acyp1	14.3299	13.4148	-0.0952028	0.634567	0.858242
Acyp1_j1	4.42415	2.88481	-0.616924	0.0483499	0.252957
Nek9_j2	0.073	0.0395841	0	1	1
Nek9	8.05876	6.4584	0	1	1
Tmed10_j2	0.335702	0	0	1	1
0610007P14Rik	7.03607	7.77083	0.1433	0.312918	0.657313
Tgfb3_j2	0.853113	0.560817	-0.605208	0.15796	0.49215
Tgfb3	4.66034	4.41632	-0.0775918	0.568426	0.825535
Angel1_j1	9.98888	9.16849	0	1	1
Angel1	16.208	12.0021	0	1	1
Zdhhc22_j1	9.47407	6.61896	-0.517381	9.10E-06	0.0002858
Zdhhc22_j2	0.309575	0.092394	-1.74442	0.0161436	0.121174
Ngb	1.79311	1.57673	-0.18553	0.419336	0.736057
Pomt2	3.67008	3.35459	0	1	1
Tmed8	0.917872	0.812984	0	1	1
Vipar_j1	0.515623	0.824247	0.676759	0.0188678	0.135499
Vipar_j4	10.0922	9.33821	-0.112023	0.298327	0.644922
Ism2_j6	0.165357	0.0861344	-0.940923	0.311104	0.655898
Ism2	0.10839	0.0516182	-1.07029	0.281204	1
Ism2_j8	0.147304	0.123241	-0.257315	0.758799	0.917041
Sptlc2	9.53199	9.94696	0.0614772	0.514834	0.793837
Snw1	17.4274	19.0772	0.130488	0.206325	0.550784
XLOC_007151	0.162159	0.00614107	-4.72277	0.377445	0.70922
XLOC_007151	0.0810188	0.0997979	0.300754	0.689344	1
4930534B04Rik	0.387733	0.375366	-0.0467678	0.875537	0.960411
Gtf2a1_j4	0.0469383	0	0	1	1
Gtf2a1	1.055	0.00876808	0	1	1
Ston2_j2	0.782302	0.58434	0	1	1
Ston2_j5	0.229206	0.182929	0	1	1
Sel1l	3.28476	3.53191	0	1	1
Sel1l	9.78052	7.59671	0	1	1

Gm6863	132.919	149.987	0.174292	0.0491865	0.255633
Galc_j1	2.44642	2.68762	0	1	1
Galc	4.38396	3.94716	0	1	1
Kcnk10_j3	0.137226	0.568993	0	1	1
Kcnk10	0.727855	0.212983	0	1	1
Ptpn21_j3	0.0776877	0	0	1	1
Ptpn21_j2	0.39747	0	0	1	1
Ptpn21	0.158816	0.282302	0	1	1
Foxn3_j2	2.56577	2.02562	0	1	1
BC002230_j1	2.26833	2.59251	0.192722	0.219535	0.566048
Ttc7b_j2	0.62368	0.442643	0	1	1
Ttc7b_j8	0.896039	0.933205	0	1	1
Ttc7b	11.1612	10.3704	0	1	1
Rps6ka5	2.02795	1.56895	0	1	1
Gpr68	0.396189	0.354022	-0.162349	0.665273	0.873092
Smek1_j1	2.64812	2.74567	0.0521884	0.806122	0.935898
Smek1	0.230166	0.251097	0.125569	0.737387	0.907492
Fbln5_j2	0.565284	0.0895732	0	1	1
Fbln5	13.0599	12.5001	0	1	1
Trip11	0.396992	0.367701	-0.110578	0.651265	0.866096
Trip11_j1	0.252029	0 -1.79769e+308		2.09E-16	5.19E-14
Atxn3_j4	0.101486	0.101745	0	1	1
Atxn3	3.09322	2.93556	0	1	1
Lgmn_j1	112.188	96.7648	0	1	1
Lgmn	66.6115	55.9361	0	1	1
Itpk1_j4	0.181127	0.141238	0	1	1
Itpk1	17.8642	20.7651	0	1	1
Moap1	6.44166	5.71331	0	1	1
Moap1	5.4485	4.55653	0	1	1
Btbd7	2.11411	2.11667	0	1	1
Prima1	0.879693	0.487683	0	1	1
Prima1_j2	1.46045	1.14062	0	1	1
Asb2	0.682647	0.121073	-2.49526	0.0002498	0.0046197
Ddx24	42.9116	38.2042	0	1	1
Ifi27l2a	0.411516	0.390148	-0.0769257	0.929445	0.978343
Ifi27l2a_j1	4.64202	3.68904	-0.331509	0.405674	0.727324
Serpina10_j1	0.175872	0.261508	0.572333	0.466735	0.766324
Serpina1e_j1	3.59388	2.57323	-0.48196	0.0095777	0.0829711
Serpina11_j2	1.4836	1.63026	0.136005	0.768503	0.921133
Dicer1_j2	0.326659	0.0992998	0	1	1
Dicer1_j1	1.13579	0.846255	0	1	1
4831426l19Rik_j3	0.393187	0.271737	0	1	1
Snhg10	1.52691	1.67865	0.136681	0.727149	0.903357
Atg2b_j2	3.18642	2.79043	-0.191446	0.0969053	0.384567
XLOC_007201	0.117135	0.05826	-1.0076	0.461836	1
XLOC_007201	0.0500403	0 -1.79769e+308		0.0653309	1
XLOC_007201	0.150754	0.118661	-0.345348	0.799709	0.933125

XLOC_007201	0.144292	0.0538142	-1.42293	0.547169	0.813492
Bcl11b_j4	0.62417	0.487339	0	1	1
Bcl11b	0.811792	0.745203	0	1	1
Setd3_j7	18.248	24.0498	0	1	1
Setd3_j8	1.17785	3.46224	0	1	1
Setd3_j6	3.96505	1.00949	0	1	1
Ccdc85c_j1	0.107486	0.0886967	-0.2772	0.563074	1
Ccdc85c	0.676375	0.729444	0.108974	0.543073	0.810717
Slc25a29	0.65181	0.577651	-0.174255	0.547975	0.813959
Wars	8.62995	10.7325	0.314563	0.0161615	0.12129
Wars	43.2813	51.9031	0.262078	0.0030609	0.0349964
Begain_j3	0.666503	0.384747	-0.792703	0.0634759	0.298841
Begain	1.77898	2.21219	0.314423	0.129472	0.448434
Hsp90aa1_j7	284.276	338.418	0	1	1
Hsp90aa1_j9	11.7771	21.8406	0	1	1
Stk30_j14	0.0615398	0 -1.79769e+308		0.0914482	1
Stk30_j15	0.14341	0.000863066	-7.37645	0.748371	0.912414
Stk30_j4	0.0793239	0.0851101	0.101574	0.932053	1
Stk30_j2	0.0603051	0 -1.79769e+308		0.0658079	1
Cinp	9.68356	10.8127	0	1	1
Cdc42bpb_j4	13.3699	15.1467	0	1	1
AK080484_j3	0.186694	0.0504393	-1.88805	0.289822	0.637163
AK012841	0.39585	0.390183	0	1	1
Ckb	140.684	117.66	0	1	1
Ckb_j4	162.561	164.109	0	1	1
Ppp1r13b_j3	0.135492	0.00141306	0	1	1
Ppp1r13b	7.38294	6.1641	0	1	1
2010107E04Rik	100.924	92.4875	-0.125943	0.242627	0.590089
Tmem179	17.0219	17.2303	0	1	1
Tmem179_j5	6.87214	7.19865	0	1	1
Akt1	91.5999	105.049	0.197638	0.0213005	0.147081
XLOC_007233	0.123215	0.169988	0.464247	0.44323	0.751213
Ahnak2_j1	24.9123	25.4176	0	1	1
Cdca4	0.529042	0.85392	0	1	1
Cdca4	1.00318	0.950041	0	1	1
Jag2_j1	9.51009	8.9031	0	1	1
Jag2_j5	9.13623	7.25748	0	1	1
Nudt14	7.17194	6.55797	-0.129116	0.433107	0.744598
Brf1_j2	0.434731	0.452026	0.0562827	0.857369	0.954789
Brf1	3.95714	4.08851	0.0471143	0.669417	0.874823
Ighg_j2	0.419959	0.284659	0	1	1
abParts_j5	1.1101	1.0697	0	1	1
abParts_j11	3.32612	3.47861	0	1	1
abParts_j15	0.625994	0.00957531	0	1	1
Wdr60_j1	0.795101	0.746639	0	1	1
Wdr60_j4	0.605368	0.160297	0	1	1
Wdr60	0.615313	0.626376	0	1	1

Wdr60_j5	0.822929	0.762	0	1	1
D430020J02Rik_j1	0.24936	0.205684	-0.277804	0.348521	0.686685
Sp4_j2	1.03409	0.315541	0	1	1
Itgb8	6.7371	4.76135	0	1	1
Kif3c	11.8181	13.9455	0	1	1
Dtnb_j10	2.15431	2.11692	-0.0252614	0.917993	0.974435
XLOC_006542	1.32595	1.29526	-0.0337839	0.91392	0.972962
Dnmt3a_j3	0.223129	0.294543	0	1	1
Dnmt3a_j9	0.186367	0.178751	0	1	1
Dnmt3a_j10	1.09388	1.18204	0	1	1
Dnajc27_j5	0.00177415	1.52458	0	1	1
Adcy3_j2	0.971141	0.784011	0	1	1
Adcy3_j4	2.2965	2.82421	0	1	1
XLOC_006548	0.424639	0.307275	-0.46671	0.45885	0.761335
Its2	12.228	12.9	0.0771898	0.580277	0.831506
Pfn4_j1	0.345808	0.561516	0.699354	0.19125	0.533454
Pfn4	0.257962	0.25616	-0.0101113	0.987483	0.996374
Pfn4	0.375805	0.447051	0.250458	0.574979	0.828142
O610009D07Rik	24.1104	25.001	0.0523256	0.642869	0.862213
Atad2b_j5	0	0.0718352	0	1	1
Atad2b_j6	0	0.0933344	0	1	1
Hs1bp3_j3	2.99692	2.88386	0	1	1
AK050516_j4	0.84417	0.558271	-0.596567	0.190989	0.533209
Pum2_j8	0.12347	0.108274	0	1	1
Pum2	1.44697	0.862749	0	1	1
Sdc1_j3	0.223595	1.12576	2.33195	1.11E-07	5.87E-06
Sdc1_j5	0	0.595936	1.79769e+308	6.17E-06	0.0002033
Laptm4a_j1	9.09536	9.81355	0.109644	0.49871	0.78413
Laptm4a_j4	17.8459	6.23856	-1.5163	4.42E-09	3.31E-07
Ttc32_j1	0.0815225	0.0879772	0.109931	0.898452	1
Rdh14_j1	10.6957	11.5657	0.11283	0.495455	0.782873
XLOC_006573	0.461217	0.465507	0.0133593	0.986828	0.99622
Rad51ap2_j1	0.100515	0.117201	0.221578	0.841644	1
XLOC_006578	0.108064	0.197698	0.87141	0.47208	0.769302
XLOC_006580	0.0355969	0.0504418	0.502869	0.811635	1
Nbas	1.98952	2.75097	0	1	1
Nbas_j2	1.39606	1.6847	0	1	1
Nbas_j6	0.128653	0	0	1	1
Ntsr2	0.0908009	0.134356	0.565283	0.628577	1
Ntsr2_j3	0.0433683	0.173024	1.99626	0.155077	0.488311
E2f6_j1	0.0989335	0.4025	0	1	1
Nol10	5.19718	5.2984	0	1	1
XLOC_006601	0.161166	0.494157	1.61642	0.313479	0.657803
Cpsf3_j2	4.80904	6.17568	0	1	1
Iah1_j3	2.13937	2.2048	0.0434631	0.781928	0.926329
Iah1	14.0842	14.7982	0.0713479	0.665891	0.873354
Taf1b_j3	0	0.06964	1.79769e+308	0.128946	1

Taf1b_j4	1.10479	1.43493	0.377208	0.450919	0.756347
Mboat2_j1	0.11085	0.155621	0.489425	0.359508	1
Kidins220_j3	17.9821	15.7974	0	1	1
Rnaseh1_j1	1.76644	2.66942	0.59568	0.0724212	0.323852
Tssc1_j1	3.38443	4.49575	0.409651	0.0818126	0.348483
Myt1l_j3	0.548871	1.51329	0	1	1
Myt1l_j2	1.51309	1.13276	0	1	1
Pxdn_j3	0.0568835	0.642772	0	1	1
Pxdn_j12	0.69661	1.08273	0	1	1
Fam150b	2.14715	2.79656	0.381228	0.0098732	0.0849271
Lamb1_j1	4.12668	5.82981	0	1	1
Cog5_j2	3.74829	3.22708	0	1	1
Cog5_j4	0	0.067517	0	1	1
Atxn7l1	0.257682	0.188161	-0.453623	0.443551	0.751387
Snx13_j3	0.112388	0.0772573	0	1	1
Snx13_j1	1.92732	1.02858	0	1	1
Etv1_j2	0.0613538	0.126613	1.0452	0.680352	1
Etv1_j7	1.26632	0.703646	-0.847724	0.0820422	0.349095
Pnpla8	11.5818	11.1944	0	1	1
Pnpla8_j2	10.6061	11.111	0	1	1
Nrcam_j2	0.410523	0.390755	0	1	1
Nrcam_j5	4.45376	2.39004	0	1	1
XLOC_006658	0.0512307	0.0564077	0.138883	0.934336	1
Arhgap5_j2	4.70723	4.3501	-0.11383	0.290248	0.637668
Arhgap5_j4	0.963346	0.701143	-0.458345	0.094296	0.378443
Arhgap5_j5	0.490572	0.422004	-0.21721	0.335457	0.6762
Akap6_j6	16.2159	17.9406	0	1	1
Ctage5_j1	0.354684	0.0958202	-1.88813	0.0313273	0.191094
Ctage5	0	0.216123	1.79769e+308	0.0045178	0.0470803
Ctage5_j6	0	0.330871	1.79769e+308	0.001504	0.0197772
Lrfn5_j1	6.64263	5.52959	0	1	1
Lrfn5_j5	0.153469	1.13951	0	1	1
Prpf39_j2	0.260481	0.287545	0	1	1
Klhdc1_j4	1.15126	1.25933	0	1	1
Arf6	1.8437	1.35282	-0.446632	0.0157832	0.119166
XLOC_006704	0.0612273	0.0747078	0.287083	0.853506	1
Tmx1_j1	0.301004	0.214687	-0.487548	0.605061	0.844161
XLOC_006707	0.0892194	0.0793575	-0.168992	0.89189	1
Frm6_j4	0.238137	0.288356	0.276059	0.704013	0.891644
Frm6_j6	0.206689	0.150223	-0.460354	0.430152	0.743027
Ppm1a_j5	72.1255	73.348	0.0242488	0.783737	0.92714
Slc38a6_j2	0.131278	0.000146507	-9.80745	0.798513	1
Slc38a6_j3	0.157897	0.0347913	-2.18218	0.0318064	0.193109
Slc38a6_j4	0.0971431	0.121523	0.323045	0.63939	1
Slc38a6_j9	0.134798	0.186132	0.465531	0.633104	0.857438
Prkch_j3	0.463824	0	-1.79769e+308	1.26E-07	6.58E-06
Hif1a	1.10836	0	0	1	1

Syt16_j1	0.59153	0.870435	0	1	1
Mthfd1_j4	0.0748742	1.48775	0	1	1
Zbtb1_j4	2.99169	2.21383	-0.43442	0.0142989	0.111143
Hspa2	1.70024	2.4849	0	1	1
Gm70_j3	5.60E-06	0.0658904	13.5233	0.997424	1
Fut8	0.762078	0.701409	0	1	1
Gphn_j2	7.54669	6.08317	0	1	1
Plekhh1_j2	0.251639	0.204909	0	1	1
Slc39a9_j1	4.88609	5.78036	0	1	1
3830431G21Rik_j2	13.6961	12.0091	0	1	1
3830431G21Rik	4.88229	3.87645	0	1	1
Srsf5_j4	0.929714	0.776923	-0.259016	0.468496	0.767088
Pcnx_j6	0.000280032	0.413276	0	1	1
Sipa111_j9	1.57726	1.99066	0.335829	0.245842	0.593199
Rgs6_j1	1.09479	0.609912	-0.843984	0.0686126	0.313818
Rgs6_j7	1.22763	0.578272	-1.08606	0.00754	0.0696524
Dcaf4_j3	0.258708	0.546557	1.07905	0.101808	0.395269
Psen1_j2	2.71447	3.01761	0	1	1
Papln_j3	0.698082	0.66598	0	1	1
Ptgr2_j1	3.77002	4.06414	0.10838	0.736539	0.907227
Zfp410_j5	2.02748	2.29458	0.178543	0.396791	0.721313
Zfp410	4.9201	5.72185	0.217793	0.137169	0.460677
Isca2_j2	6.28309	6.92161	0.139633	0.557055	0.819382
Isca2_j3	4.99905	5.11873	0.0341318	0.895083	0.966913
Jdp2_j2	4.49588	4.07169	-0.142976	0.445993	0.753304
Jdp2_j3	1.31421	2.71576	1.04716	0.0209289	0.14536
Ttll5_j5	2.71593	1.97457	-0.459906	0.191973	0.534172
1700019E19Rik_j1	0.819277	1.11052	0.438808	0.338648	0.678955
Kiaa1737_j2	3.19613	0.212515	0	1	1
Samd15	0.201312	0.174566	0	1	1
1810035L17Rik_j1	8.40873	10.5006	0.320515	0.0678517	0.311782
Adck1	2.06601	1.8329	0	1	1
Adck1_j2	0.988135	0.917987	0	1	1
Nrxn3_j1	0.980879	0.689902	-0.507684	0.128194	0.44626
Nrxn3_j9	0.370033	0.48536	0.391402	0.333378	0.674409
Nrxn3_j20	0.76254	0.644136	0	1	1
Zc3h14_j8	3.40937	3.85959	0	1	1
Zc3h14_j7	7.28022	6.90829	0	1	1
Zc3h14_j6	8.66406	7.78234	0	1	1
Kcnk13_j3	1.25404	0.332708	0	1	1
Psmc1_j4	37.1208	34.4488	0	1	1
AK039577_j2	0.165755	0.0538193	-1.62285	0.234454	0.581864
AK153660	0.370472	0.319656	-0.212844	0.630269	0.856283
Rin3_j5	0.0843408	0.069948	-0.269948	0.773925	1
Golga5	1.47566	1.86245	0.335845	0.167949	0.504499
D230037D09Rik	1.68253	1.84638	0	1	1
Unc79_j11	0.253363	0.212704	-0.25236	0.549818	0.814968

Unc79_j16	0.048747	0.000793753	-5.94048	0.403718	1
Unc79_j15	1.733	1.72793	-0.00422931	0.982508	0.994674
Ifi27l1	111.433	133.589	0.261619	0.0038449	0.0416841
Glrx5_j2	54.3306	57.7905	0.0890671	0.428494	0.742369
Papola_j3	0.316913	1.51493	0	1	1
Cyp46a1_j1	0.298686	0.352373	0.238474	0.716553	0.897676
Eml1_j2	8.88002	7.34092	-0.274602	0.0600552	0.288627
Evl	9.70405	10.6264	0.130993	0.35822	0.693733
Slc25a47_j4	0.102429	0.0760475	-0.429654	0.727785	1
Slc25a47_j6	0.11152	0.110313	-0.0157062	0.98581	1
Wdr25_j6	0	0.44588	0	1	1
Dlk1	0.0539317	0.0977039	0.857282	0.515367	1
Meg3_j4	0.348666	0.325408	0	1	1
Meg3_j6	61.4392	73.2561	0	1	1
Meg3_j9	86.4645	119.581	0	1	1
XLOC_006870	0.554052	0.645141	0	1	1
Rian_j6	7.72526	8.5349	0	1	1
Rian_j7	12.1216	13.1512	0	1	1
Rian_j8	2.48858	3.25402	0	1	1
Ppp2r5c	19.6829	20.9308	0	1	1
Dync1h1_j1	0.0983772	0.075555	-0.380796	0.380908	1
Dync1h1_j10	14.1078	14.9706	0.0856466	0.477888	0.77269
Wdr20a	0.522296	0.183647	-1.50794	0.0098014	0.0844436
Tecpr2_j2	0.414609	1.42675	0	1	1
Tecpr2_j3	7.50214	7.7403	0	1	1
Rcor1_j3	0.319114	0.456985	0	1	1
Rcor1_j1	0.39505	0.178054	0	1	1
Traf3_j2	0.759863	0.813454	0	1	1
XLOC_006887	0.070669	0.0904631	0	1	1
Mark3_j6	0.940498	0.700424	0	1	1
2810002N01Rik	12.4822	12.1257	-0.041809	0.748968	0.912754
Klc1	78.5919	64.3723	0	1	1
Klc1_j1	156.504	146.832	0	1	1
Zfyve21	1.72337	2.2454	0	1	1
Zfyve21_j2	3.71008	3.74817	0	1	1
Siva1_j1	6.84E-05	0.441131	12.6556	0.970584	0.99168
AW555464_j3	2.48826	1.0871	-1.19465	2.19E-10	2.06E-08
AW555464_j7	0.0732107	0.0823256	0.169287	0.865483	1
Pld4_j2	1.17315	2.35442	1.00499	0.0013237	0.0179179
Mta1_j4	1.82158	1.94744	0	1	1
Mta1_j3	0.541779	0.246226	0	1	1
Crip2_j5	26.1534	61.5018	0	1	1
4930427A07Rik_j5	0.205084	0.31459	0.617262	0.231811	0.57883
Zfp386_j2	0.316933	0.342215	0.110726	0.822937	0.942847
Fam62b_j4	7.11089	6.62315	0	1	1
Ptprn2	1.84931	1.61858	0	1	1
Ptprn2_j1	2.14432	1.59514	0	1	1

1110002L01Rik_j3	2.34773	2.29852	0	1	1
XLOC_006922	1.2038	1.65905	0.462768	0.0507847	0.260988
Cenpo	1.14952	1.24357	0.113459	0.599154	0.841178
Ncoa1	0.703965	1.30641	0.892029	1.73E-05	0.000493
Ncoa1_j7	2.53208	3.09955	0.291736	0.0488717	0.254675
A830093I24Rik_j1	0.0614148	0.000103752	-9.20931	0.955133	1
Mfsd2b_j2	0.107371	0.0889537	0	1	1
Klhl29_j4	1.70833	2.03123	0	1	1
Kcns3_j5	0.857146	0.618082	0	1	1
Kcns3_j7	2.46157	0.996506	0	1	1
Trib2_j4	2.20837	2.34548	0	1	1
Greb1_j12	0.824008	0.583054	-0.499029	0.0524267	0.265923
Greb1	0.440729	0.40995	-0.104446	0.861848	0.956374
Atp6v1c2_j2	0.0276154	0.11798	2.095	0.0038603	1
Atp6v1c2_j3	1.67227	1.72047	0.0409926	0.762575	0.918206
Itgb1bp1_j1	0.525204	0.380178	-0.466202	0.222683	0.569646
Adam17	2.28371	2.30681	0.0145215	0.901191	0.968659
XLOC_006968	0	0.25664	1.79769e+308	0.0014419	0.0191239
XLOC_006968	0.617781	0.710343	0.201421	0.650279	0.86573
XLOC_006971	1.41784	2.33014	0.716724	0.0364761	0.211122
Cys1_j1	0.199896	0.331362	0.729163	0.207576	0.55198
Rps7_j1	1.06901	1.14876	0.103803	0.606545	0.845067
Sntg2_j4	0.0652656	0.0294818	-1.1465	0.505294	1
Cbll1_j4	1.53629	0.784384	0	1	1
Hbp1_j1	1.38676	1.60294	0	1	1
Prkar2b_j1	4.22526	3.60745	0	1	1
XLOC_006996	0.0939935	0.0378845	-1.31095	0.492156	1
F730043M19Rik_j4	0.0167994	0.324193	4.27037	0.0016199	0.0210445
Hdac9_j14	0.120881	0.444875	0	1	1
Tspan13_j1	5.85379	5.70619	0	1	1
Stxbp6_j5	0.613456	0.606611	0	1	1
Nova1_j1	0.966276	1.08015	0.160721	0.500775	0.785042
Strn3_j1	5.74594	6.2121	0	1	1
Hectd1_j3	7.22552	5.74099	0	1	1
Hectd1_j4	2.14499	1.29361	0	1	1
6530401N04Rik_j1	0.689797	0.645117	-0.09661	0.832283	0.945814
Eapp_j1	4.65919	5.97689	0.359316	0.0668125	0.308978
Ppp2r3c_j2	0.477006	0.607799	0	1	1
Nfkbia_j1	1.80122	1.56943	-0.198735	0.61372	0.847685
Ralgapa1_j2	4.08193	3.69163	-0.144994	0.198862	0.542027
Klhl28_j1	4.07081	3.4684	-0.231046	0.091348	0.371467
Mdga2_j2	0.509532	0.637077	0	1	1
Mdga2_j3	0.335058	0.498625	0	1	1
Rps29_j2	0.489597	0.46526	-0.0735571	0.882982	0.962848
Sdccag1_j1	0.388329	1.55517	0	1	1
Gm71	0.0629543	0.179952	1.51524	0.15316	0.485324
L2hgdh_j2	0.0788473	0.123323	0.645312	0.454452	1

Cdkl1	0.306743	0.598089	0.963331	0.0718567	0.322363
Map4k5_j2	2.68809	2.99986	0	1	1
Map4k5	5.06925	5.03753	0	1	1
Sav1	3.83292	3.88609	0	1	1
Nin_j1	2.42984	2.4321	0.00133565	0.993957	0.99828
mKIAA1565_j10	0.0644804	0.0476501	-0.436381	0.522361	1
mKIAA1565_j12	0.536881	0.647558	0.270406	0.426938	0.741447
Timm9	1.44902	2.37897	0.715256	0.0374313	0.214459
Rtn1_j1	100.444	142.293	0	1	1
Rtn1_j3	172.964	225.792	0	1	1
Rtn1_j4	97.4695	106.19	0	1	1
4930447C04Rik_j4	1.01849	0.734596	-0.471405	0.157851	0.492007
4930447C04Rik_j15	0.909617	0.395573	-1.20132	0.0097193	0.0838932
4930447C04Rik_j16	0.00625796	0.116844	4.22275	0.219352	1
Six1_j1	0.285593	0.336904	0.238374	0.59731	0.84027
Six1_j2	12.85	13.1525	0.0335673	0.75911	0.917041
Ppp2r5e_j1	0.677887	0.683719	0.0123589	0.963804	0.989793
XLOC_007073	0.441095	0.448898	0.0252975	0.958632	0.988071
Zbtb25_j4	0	0.0951171	1.79769e+308	0.0702977	1
Zbtb25_j5	2.18039	1.77121	-0.299852	0.250052	0.597613
Zbtb25_j3	0.852196	0.460364	-0.88841	0.0009207	0.0133726
Zbtb25_j6	0.487423	0.179864	-1.43827	0.0547683	0.273004
Zbtb25	0.764262	0.786988	0.0422744	0.861049	0.956066
Gpx2	1.99846	1.06767	-0.904425	0.0022207	0.0270685
Rab15_j5	0.273486	0.468504	0	1	1
Max	10.9966	11.8558	0	1	1
Atp6v1d_j5	0.12588	0.0751837	0	1	1
Atp6v1d_j3	0.607085	0.776918	0	1	1
Tmem229b_j2	0.124939	0.340552	0	1	1
Vti1b_j2	0	0.0908534	0	1	1
Vti1b	35.9507	35.2112	0	1	1
Rdh11	4.63791	5.88125	0	1	1
Zfyve26_j3	0.550548	0.625124	0	1	1
Dcaf5	5.62861	5.17408	0	1	1
Dcaf5_j3	0.323568	0.142631	0	1	1
XLOC_007095	0.158355	0.0627029	0	1	1
Erh	1.13302	1.2238	0	1	1
AK145430	0.188385	0.233072	0.307092	0.651548	0.866264
Synj2bp	2.97554	1.79317	-0.730639	0.0520848	0.264868
Cox16	6.40962	8.33419	0.378802	0.232244	0.579289
Med6_j5	0.424753	0.632615	0	1	1
Map3k9_j1	2.23558	1.55468	0	1	1
XLOC_007106	0.0655622	0.189694	1.53274	0.252794	0.600851
Dpf3_j4	0.77696	0.105099	-2.8861	0.0139927	0.109464
Zfyve1	2.32134	2.73931	0	1	1
Zfyve1_j1	0.063827	0	0	1	1
Numb_j4	12.715	11.5414	0	1	1

Entpd5_j5	0.174884	0.145571	-0.264676	0.644404	0.862845
Aldh6a1_j1	1.5438	3.75418	0	1	1
Abcd4_j2	2.06883	2.78506	0	1	1
Ltbp2_j1	0.439939	0.540438	0.296826	0.484298	0.776337
1110018G07Rik_j1	1.355	1.33735	0	1	1
Mlh3_j4	1.05861	2.55451	0	1	1
Tmed10_j1	0.325879	0.456377	0	1	1
Tmed10_j5	4.72753	4.26242	0	1	1
O610007P14Rik_j1	14.464	16.246	0.167613	0.266143	0.615308
Tgfb3_j1	2.69156	2.98879	0.151116	0.587588	0.83506
Zdhhc22_j3	1.30959	1.80102	0.459703	0.066913	0.309185
lsm2_j4	0.121491	0.167609	0.464247	0.478032	0.77269
XLOC_007151	0.0931854	0.0807421	-0.206782	0.881037	1
XLOC_007151	0.0258139	0.0663763	1.36252	0.584838	1
4930534B04Rik_j3	0.506958	0.368358	-0.460757	0.42286	0.738571
Gtf2a1	2.96851	3.17333	0	1	1
Kcnk10	0.609206	0.617751	0	1	1
Emi5_j1	0.0589462	0 -1.79769e+308		0.083443	1
BC002230	0.986063	0.403733	-1.28828	0.0001925	0.0037161
Ttc7b_j7	4.9521	4.53011	0	1	1
Rps6ka5_j2	2.18865	2.38816	0	1	1
Ccdc88c	0.112241	0.0795223	-0.497167	0.626634	1
Smek1_j3	1.7657	2.20358	0.319613	0.146162	0.474441
Smek1	1.67735	1.7577	0.0675099	0.690161	0.885208
Lgmn_j2	1.9315	15.3168	0	1	1
AK010878	7.11282	8.14338	0	1	1
Prima1	2.41691	2.4484	0	1	1
Asb2_j5	0.0701738	0.227795	1.69873	0.030221	0.186654
Asb2_j3	0	0.0766341 1.79769e+308		0.0423967	1
Ddx24	14.6438	19.6465	0	1	1
Serpina3c_j1	0.787904	0.657032	0	1	1
Snhg10_j1	0.114519	0.0740406	-0.629194	0.71344	1
Setd3_j3	13.625	15.6838	0	1	1
Begain_j1	0.773091	0 -1.79769e+308		3.65E-14	6.52E-12
Hsp90aa1_j4	47.3866	40.6014	0	1	1
Stk30_j5	0.701971	0.781651	0.155114	0.781883	0.926329
Stk30_j6	0.20763	0 -1.79769e+308		0.0048011	0.049212
Stk30_j8	0.230455	0.476747	1.04874	0.113167	0.418717
Stk30_j7	0.229501	0.0376052	-2.6095	0.163829	0.499333
Ankrd9_j4	2.16439	1.83327	-0.239542	0.409904	0.730017
Ankrd9	1.41503	1.60288	0.179833	0.497033	0.783639
Ankrd9	5.14133	3.95559	-0.378251	0.052629	0.266469
Cdc42bpb	10.3585	11.2146	0	1	1
AK080484_j2	0.0960506	0.119522	0.315406	0.773493	1
Ckb_j1	6.50791	6.41119	0	1	1
Bag5_j1	18.3718	18.8425	0.0364943	0.730489	0.904795
5033406O09Rik	0	0.129392 1.79769e+308		0.0299538	1

2010107E04Rik_j2	101.229	97.7417	-0.0505779	0.754846	0.91543
Tmem179_j3	8.35036	8.4188	0	1	1
Jag2	2.21723	1.12741	0	1	1
Gm16844	0.620356	0	0	1	1
abParts_j6	0.0682653	0.0794487	0	1	1
abParts_j7	0.548542	0.399326	0	1	1
abParts_j10	0.810782	1.90863	0	1	1
abParts_j17	0.281132	0.572134	0	1	1
abParts_j18	0.051457	0.145583	0	1	1
Wdr60_j2	0.0382329	0.11349	0	1	1
Itgb8_j2	4.66245	4.7567	0	1	1
XLOC_006541	0.0968389	0.0355817	-1.44445	0.369473	1
Dtnb_j5	0.873294	1.08287	0.310318	0.194697	0.537102
Dnmt3a	0.900939	1.19052	0	1	1
Dnmt3a_j5	0.133983	0	0	1	1
XLOC_006549	0.196909	0.150822	-0.384685	0.584252	0.833357
Its2_j6	6.7096	6.60941	-0.0217045	0.850717	0.9526
Atad2b_j4	0.287387	0.279735	0	1	1
XLOC_006561	0.0834328	0.0438144	0	1	1
AK050516_j1	0.187012	0 -1.79769e+308	0.0230719	0.155463	
AK050516	0.176102	0.115714	-0.605852	0.579239	0.830829
Pum2_j6	3.62486	4.76073	0	1	1
Pum2_j9	0.134147	0.0415575	0	1	1
Sdc1	3.64939	5.40634	0.566997	0.0005794	0.0092152
Laptm4a_j2	103.026	121.425	0.237054	0.0185021	0.133568
Wdr35_j1	1.86872	2.46763	0	1	1
XLOC_006569	0.113882	0.142674	0.325183	0.599926	1
Smc6_j1	1.42557	1.31514	-0.116325	0.657419	0.869442
Fam49a_j3	0.0911872	0	0	1	1
Nbas_j3	0.780195	0.474537	0	1	1
Nbas_j4	4.27537	1.89307	0	1	1
XLOC_006585	1.08409	1.12393	0.0520635	0.929408	0.978343
XLOC_006586	0.0704774	0.0626509	-0.169825	0.859751	1
XLOC_006586	0.156166	0.119696	-0.383713	0.698389	0.888784
Odc1_j4	0.143231	0.110529	-0.373921	0.73871	0.908177
Odc1_j3	0.0738947	0 -1.79769e+308	0.0548447	1	
Odc1_j10	0.163223	0.318071	0.962503	0.262156	0.611283
AK018309	0.609732	0.244356	-1.31919	0.144309	0.47141
XLOC_006603	0.237139	0.177536	-0.417621	0.552757	0.816696
AK132630_j1	0.857323	1.00017	0.222332	0.684917	0.882362
XLOC_006612	0.0858988	0.0834653	-0.0414623	0.96582	1
2410018L13Rik_j1	0.370823	0.252838	-0.552521	0.379247	0.710677
Taf1b_j1	4.57415	4.06479	-0.170323	0.327629	0.670398
Grhl1_j1	0.11564	0 -1.79769e+308	0.025178	1	
Grhl1_j4	0.151836	0.0498335	-1.60732	0.172457	0.509999
Grhl1_j5	0.103734	0.14585	0.491585	0.582921	1
Grhl1_j6	0.110628	0.0269711	-2.03622	0.246724	1

Klf11_j1	0.186044	0.0899042	0	1	1
Rrm2_j1	0.293226	0	-1.79769e+308	0.0011455	0.0159478
Rrm2	0.304187	0.520183	0.774058	0.0581022	0.282957
Kidins220_j1	2.19632	1.90971	0	1	1
Cmpk2_j1	4.53126	3.72497	-0.282683	0.120201	0.431719
XLOC_006625	0.518337	0.349751	-0.567565	0.531628	0.803676
Myt1l_j4	0.353746	0.338553	0	1	1
Pxdn_j2	1.46489	1.21404	0	1	1
Pxdn_j1	0.974551	0.638553	0	1	1
Atxn7l1_j3	0.0582996	0.130638	1.16402	0.0851098	1
Snx13_j7	0.275035	0.000135367	0	1	1
Ispd	4.54232	3.79082	0	1	1
Tmem195_j1	2.35624	2.48608	0.0773857	0.775927	0.924092
Dgkb_j2	0.909567	0.794571	0	1	1
Etv1_j5	0.193215	0	-1.79769e+308	0.0515803	0.263342
Dock4_j1	0.162585	0.111131	-0.548935	0.517931	0.79606
XLOC_006658	0.0586954	0.0508745	-0.206304	0.870377	1
XLOC_006658	0.137293	0.100222	-0.454055	0.489174	0.779521
XLOC_006658	0.327147	0.240548	-0.443616	0.661792	0.871768
G2e3	0.0556485	0	-1.79769e+308	0.0016564	1
G2e3_j3	0.223341	0.165289	-0.43426	0.349578	0.687239
Ap4s1_j1	7.68913	6.3713	0	1	1
Nubpl_j2	0.673997	0.576439	-0.225576	0.413482	0.732276
Arhgap5_j1	0.0827903	0	-1.79769e+308	2.07E-07	1
Akap6_j5	0.298761	0	0	1	1
XLOC_006669	0.133501	0.0959388	-0.476663	0.5965	1
Prps1l3_j1	1.53743	2.00229	0.381138	0.076723	0.334845
Ctage5_j3	0.449716	0.0774645	-2.53741	0.0039785	0.0427297
Ctage5_j5	4.04197	3.27486	-0.303623	0.100809	0.393204
Gm527_j3	0.109045	0.309009	1.50272	0.0378727	0.216037
XLOC_006690	0.11028	0.0380577	-1.53491	0.317113	1
Klhdc1_j2	0.161291	0	0	1	1
Klhdc2_j1	5.12252	4.41242	0	1	1
Atl1_j2	27.7844	26.1233	0	1	1
Atl1_j6	31.516	30.4434	0	1	1
XLOC_006707	0.137145	0.0949892	-0.529865	0.604575	0.843983
Frmd6_j1	0.201197	0.110398	-0.865893	0.140501	0.46619
XLOC_006710	0.161416	0.0899131	-0.844176	0.425515	0.74056
Psm3_j8	14.546	13.1991	-0.140182	0.497913	0.783786
Psm3_j9	0.837343	0.706125	-0.245896	0.382882	0.712805
2700049A03Rik	0.443014	0.471947	0	1	1
2700049A03Rik_j1	0.158838	0	0	1	1
Dact1_j2	0.216848	0	-1.79769e+308	3.43E-06	0.0001217
Daam1_j1	0.343375	0.0692139	0	1	1
Ikamp_j1	15.4413	9.20795	0	1	1
Lrrc9_j2	0.168499	0.0707719	-1.25149	0.0791149	0.341377
Lrrc9_j3	0.0595891	0.0189908	-1.64975	0.39827	1

XLOC_006718	0.244931	0.13569	-0.852067	0.165757	0.502417
XLOC_006718	0.153422	0.0808325	-0.924496	0.27787	0.626693
XLOC_006720	0.38692	0.32865	-0.235486	0.58366	0.833132
Ppm1a_j3	0.648877	0 -1.79769e+308		3.19E-07	1.50E-05
Ppm1a_j4	0.831229	0 -1.79769e+308		2.69E-06	9.86E-05
XLOC_006721	0.13589	0.0184771	-2.87862	0.11253	1
Prkch_j1	0.979424	1.35537	0.468685	0.0909602	0.370819
Prkch_j2	0.330855	0.420776	0.346852	0.520676	0.797932
Hif1a_j1	9.22804	9.56968	0	1	1
Snapc1_j1	2.23122	1.83882	0	1	1
Snapc1_j3	1.26993	1.23876	0	1	1
Snapc1_j2	0.000212035	0.190433	0	1	1
Syne2_j1	0.126926	0.0493605	-1.36256	0.29902	1
Syne2_j12	0.582383	1.10724	0.926928	8.02E-05	0.0017771
Syne2_j14	0.263176	0.221139	-0.251078	0.674934	0.877505
Mthfd1_j2	0.0855561	0	0	1	1
Mthfd1_j3	3.9039	3.08031	0	1	1
Zbtb1_j1	1.10026	1.01907	-0.110587	0.632005	0.8569
Zbtb1_j3	2.71888	2.5973	-0.0659983	0.738549	0.908119
Zbtb1_j1	2.49664	2.19478	-0.185913	1	1
XLOC_006734	0.209265	0.0731124	-1.51714	0.198943	0.542105
Hspa2_j1	0.887254	0.805335	0	1	1
Churc1_j1	2.92331	2.75552	-0.0852803	0.755277	0.915526
XLOC_006742	0.352529	0.274393	0	1	1
Rdh12	0.0695523	0 -1.79769e+308		0.041616	1
Rad51l1_j2	0.203935	0.089994	-1.18021	0.467487	0.766717
Exd2_j1	3.01607	3.02386	0.00371902	0.984824	0.995509
Galntl1_j1	1.24971	0.000190621	0	1	1
Galntl1_j2	1.25939	1.05851	0	1	1
3830431G21Rik_j1	2.06902	1.46748	0	1	1
4933426M11Rik_j2	13.4913	14.1133	0	1	1
Smoc1_j1	0.244658	0.126977	0	1	1
Smoc1_j3	0.078437	0	0	1	1
Ttc9_j1	17.5285	15.1812	0	1	1
Pcnx_j11	3.80972	5.7543	0	1	1
Rgs6_j3	1.6335	0.707295	-1.20758	0.0004427	0.0073533
Dcaf4_j4	1.1059	0.854017	-0.372887	0.368066	0.701455
Psen1	0.77338	1.59658	0	1	1
Papln_j1	0.181796	0.128184	0	1	1
Lin52_j2	3.97567	3.45757	-0.201442	0.262768	0.611657
Ylpm1_j3	0.213946	1.20141	0	1	1
Ylpm1_j4	1.26473	0.537471	0	1	1
Dlst_j2	43.349	44.2595	0	1	1
Mfsd7c_j3	0.134429	0.141963	0.0786712	0.903709	1
Ttll5_j2	1.42122	1.30969	-0.117903	0.600661	0.841831
Esrrb_j1	0.646031	0.395977	-0.706189	0.0240499	0.159943
Vash1_j1	6.63287	7.64565	0	1	1

Gstz1_j2	1.17715	1.06769	0	1	1
XLOC_006801	0.140452	0.07132	0	1	1
1810035L17Rik_j2	8.2954	7.547	-0.136408	0.309196	0.653897
Adck1_j1	1.39339	0.783153	0	1	1
Nrxn3_j6	0.606233	0.352478	-0.782339	0.0741363	0.328254
Nrxn3_j13	0.098655	0 -1.79769e+308	0.0087037		1
Nrxn3_j16	0.0632708	0	0	1	1
Nrxn3_j15	2.11261	1.60605	0	1	1
Nrxn3_j14	2.0109	2.19584	0	1	1
Spata7_j1	0.3195	0.00602484	-5.72875	0.183595	0.52417
Spata7_j3	0.266812	0.0513995	-2.376	0.129555	0.448468
Zc3h14	2.7002	2.67176	0	1	1
AK131831_j1	0.0982764	0 -1.79769e+308	0.0909859		1
XLOC_006816	0.167026	0.0688999	-1.2775	0.0784657	0.33966
Kcnk13_j2	1.72739	1.85323	0	1	1
XLOC_006822	0.148132	0 -1.79769e+308	0.0148095		0.113843
Cpsf2_j1	0.381338	0.50044	0.392127	0.291726	0.638675
Slc24a4_j1	0.0827445	0.0765506	-0.11225	0.890702	1
Ubr7_j2	0.30288	0.0663265	-2.19109	0.0166207	0.123769
XLOC_006835	0.385821	0.352619	-0.129823	0.71696	0.897819
Unc79_j10	0.123641	0.0314552	-1.97479	0.0256302	1
Otub2_j1	1.0934	0.377228	0	1	1
Otub2_j2	2.5505	3.68065	0	1	1
XLOC_006842	0.118338	0.0261697	-2.17694	0.198406	1
XLOC_006842	0.0786941	0 -1.79769e+308	0.0048821		1
XLOC_006842	0.163432	0.0806508	-1.01893	0.301789	0.648067
XLOC_006843	0.157875	0.102965	-0.61663	0.348117	0.686627
XLOC_006844	0.15505	0.133138	-0.219813	0.767179	0.920598
Papola_j1	3.54679	3.84694	0	1	1
Vrk1_j1	0.732212	0.464343	-0.657071	0.155076	0.488311
Vrk1_j3	0.132295	0 -1.79769e+308	5.93E-05		1
XLOC_006852	0.118921	0.0864346	-0.460321	0.723375	1
XLOC_006852	0.149962	0.0376916	-1.99228	0.175688	0.514267
Ccnk_j3	5.16483	5.26187	0.0268544	0.856791	0.954683
Eml1_j4	111.611	100.124	-0.156694	0.0680101	0.312235
Evl_j3	24.3827	24.3894	0.000393576	0.997199	0.999188
Yy1_j3	0.479547	0.324148	0	1	1
Wdr25_j4	1.68644	0.0856674	0	1	1
Wdr25_j5	1.27324	0.930335	0	1	1
Wdr25_j7	0.958047	0.123697	0	1	1
Wdr25_j9	0.581493	0.180912	0	1	1
Rian_j5	2.90499	1.65667	0	1	1
Mirg_j1	0.456603	0.296544	-0.622695	0.0787005	0.340223
Mirg_j8	0.448106	0.375181	-0.256253	0.538374	0.807898
Mirg_j13	11.8893	15.0195	0.337174	0.0545981	0.27251
Dync1h1_j9	0.697998	0.531254	-0.39382	0.226447	0.573564
Rcor1_j4	2.57805	3.01202	0	1	1

1200009I06Rik_j2	0.0760644	0.102435	0.429413	0.786634	1
1200009I06Rik_j7	0.125598	0.113468	-0.146535	0.878208	1
Tnfaip2_j2	0.125104	0 -1.79769e+308	0.0001052		1
Tnfaip2_j3	0.225535	0.0865488	-1.38177	0.145177	0.472985
Eif5_j2	11.834	13.364	0	1	1
Klc1_j9	67.955	76.0256	0	1	1
Klc1_j7	69.176	96.7838	0	1	1
Klc1_j8	1.18859	0.20962	0	1	1
Klc1_j10	4.89499	0.318159	0	1	1
Zfyve21_j1	0.567904	0.949813	0	1	1
XLOC_006895	0.266274	0.152838	-0.800907	0.272297	0.621103
Zbtb42_j2	0.93167	1.66427	0.836994	0.0001829	0.0035629
XLOC_006901	0.332211	0.442228	0.412694	0.384521	0.713264
Btbd6	0.320232	0.461676	0.527764	0.126969	0.443867
Mta1_j2	5.50493	6.49483	0	1	1
Crip2_j1	50.3968	33.8228	0	1	1
Crip2_j4	16.938	13.424	0	1	1
Crip2_j7	50.3968	33.8228	0	1	1
4930427A07Rik_j4	0.416541	0.475262	0.190266	0.603971	0.843588
Fam62b_j1	1.2434	1.2129	0	1	1
Ptprn2_j2	0.486203	0.000184378	0	1	1
Tmem196_j1	0.805503	0.304207	-1.40484	0.0099395	0.0853084
Efr3b_j1	0.557794	0.639716	0	1	1
Efr3b_j2	0.952707	0.706768	0	1	1
Ncoa1_j5	8.95231	9.91312	0.14708	0.264489	0.613354
Ncoa1_j6	0.430728	0.407365	-0.0804569	0.799602	0.933125
XLOC_006928	0.257157	0.103743	-1.30964	0.0899723	0.368147
Mfsd2b_j3	0.142117	0.163178	0	1	1
Mfsd2b_j4	0.0646731	0	0	1	1
Ubxn2a_j2	2.47532	0.721951	0	1	1
Ubxn2a_j1	5.7595	5.10391	0	1	1
Klhl29_j2	1.05998	0.814536	0	1	1
Slc7a15_j1	0.0715815	0.0182334	-1.973	0.273584	1
XLOC_006940	0.0887146	0 -1.79769e+308	0.0043013		1
Kcns3_j8	1.91019	1.81404	0	1	1
Gen1_j2	0.15982	0.0915629	-0.803611	0.239791	0.587144
Ddx1_j1	26.3114	23.5447	0	1	1
XLOC_006948	0.126457	0.0675691	-0.904209	0.168355	1
XLOC_006951	0.147937	0.0862797	-0.777889	0.286779	0.635459
Lpin1_j4	0.249281	0	0	1	1
Lpin1_j1	3.38801	3.60365	0	1	1
Greb1_j3	0.153665	0 -1.79769e+308	3.58E-09	2.71E-07	
AK148766_j4	0.139575	0.024572	-2.50595	0.394554	0.719811
Ywhaq_j2	0.218271	0.260573	0.255569	0.567121	0.82484
Rnf144a	1.79129	1.36608	0	1	1
Rnf144a_j2	0.0958244	0.057779	0	1	1
AK163447_j6	1.60764	2.8815	0.841872	3.16E-05	0.0008086

Rps7_j4	1.40392	0.841208	-0.738923	0.28876	0.636409
Sntg2_j2	0.100097	0.0347116	-1.52791	0.302148	1
Cbll1	0.402024	0.371352	0	1	1
Prkar2b_j2	48.1629	32.4254	0	1	1
AK016682_j2	0.143833	0.133433	-0.108276	0.884889	0.963475
AK016682_j3	0.145552	0.0413233	-1.8165	0.467778	0.766747
AK016682_j4	0.181986	0.0601527	-1.59713	0.311337	0.656077
F730043M19Rik_j1	0.46137	0.125491	-1.87834	0.0014771	0.0194908
F730043M19Rik_j3	0.782486	0.393231	-0.992688	0.0198177	0.139936
Hdac9_j7	0.503216	0	0	1	1
Hdac9_j8	0.292281	0.238278	0	1	1
Ifrd1_j2	1.59015	2.46504	0.632451	0.0039178	0.0422647
Hectd1_j8	4.029	4.78429	0	1	1
Hectd1_j9	3.36275	3.75551	0	1	1
Heatr5a_j4	0.234896	0.536039	1.19032	0.0046857	0.0483138
Egln3_j1	0.334844	0.233771	-0.51839	0.416087	0.733677
Baz1a_j11	0.063794	0.0562814	-0.180762	0.900788	1
Ppp2r3c_j3	1.20318	1.29096	0	1	1
Ralgapa1_j10	0.861824	0.659786	-0.385395	0.127552	0.445107
Ralgapa1_j11	0.0799757	0.177708	1.15187	0.0225407	0.15317
Ralgapa1	5.24852	4.27321	-0.296589	0.0135489	0.107058
Mbip_j2	2.62788	1.76184	-0.576815	0.101318	0.394191
Fkbp3_j1	36.9309	36.9346	0	1	1
C79407_j2	0.0569907	0 -1.79769e+308	0.0164851	1	1
Mdga2_j1	0.594764	0.240931	0	1	1
1110034A24Rik_j3	38.4095	39.0281	0	1	1
Pole2_j3	0.0876659	0.0780225	0	1	1
Sdccag1_j5	0.363262	0.0929898	0	1	1
L2hgdh_j5	0.160197	0.000151444	-10.0468	0.981203	0.994152
Cdkl1_j3	0.151802	0.0281754	-2.42968	0.127859	0.445556
Trim9_j4	0.12926	0.0638189	0	1	1
Trim9	1.35612	1.01549	0	1	1
Trim9	1.89448	0.724711	0	1	1
Timm9_j4	1.16681	0.601091	-0.956921	0.215314	0.561132
Timm9_j3	0.0938208	0.186713	0.992842	0.512964	0.792348
Rtn1_j5	0.097831	0.0205112	0	1	1
4930447C04Rik_j1	0.0627472	0 -1.79769e+308	0.0122902	1	1
4930447C04Rik_j3	0.152684	0.087696	-0.799969	0.285062	0.633819
Trmt5_j2	0.396952	0.547795	0.464671	0.213539	0.558716
Gpx2_j1	1.81331	1.05248	-0.784829	0.0680816	0.312432
Max_j1	1.61025	1.52455	0	1	1
Tmem229b	0.75701	0.370812	0	1	1
Vti1b_j1	22.7269	25.6318	0	1	1
Zfyve26_j4	0.906865	1.3599	0	1	1
Zfyve26_j1	0.514897	0.235312	0	1	1
Actn1_j6	0.568967	0.361949	0	1	1
Actn1	8.32431	8.01691	0	1	1

Dcaf5_j1	4.38847	5.78196	0	1	1
XLOC_007095	0.219779	0.0904224	0	1	1
XLOC_007095	0.0960987	0.00767525	0	1	1
Slc8a3_j1	0.450462	0.163799	0	1	1
Synj2bp_j1	0.490622	0.380396	-0.367108	0.593864	0.838285
Med6_j3	3.74487	1.78102	0	1	1
Med6_j4	0.200823	0.214791	0	1	1
XLOC_007106	0.0678707	0.0269856	-1.3306	0.53461	1
Dpf3_j5	0.241684	0.000594361	-8.66756	0.73044	0.904795
Zfyve1_j2	0.0707572	0	0	1	1
C130039O16Rik_j2	0.117814	0	0	1	1
Fam161b	0.000132504	0.150213	10.1468	0.383039	1
Entpd5_j2	1.26163	0.452393	-1.47965	2.57E-06	9.47E-05
Entpd5_j3	0.121217	0 -1.79769e+308		8.61E-05	1
Entpd5_j4	0.108053	0.072554	-0.574608	0.457513	1
Entpd5	4.95616	4.26547	-0.216519	0.105695	0.403795
Ltbp2_j4	0.205453	0.120294	-0.772242	0.0858216	0.357676
1110018G07Rik_j5	13.2092	11.3093	0	1	1
Mlh3_j3	0.374229	0.41411	0	1	1
Acyp1_j2	12.8469	11.2495	-0.191557	0.484599	0.77644
Acyp1	6.69547	7.66202	0.194539	0.607595	0.845335
Nek9_j4	5.82059	6.31507	0	1	1
Tgfb3_j3	1.00653	1.21962	0.277042	0.450302	0.756063
4930534B04Rik_j2	0.128915	0.0410664	-1.65039	0.0687329	1
Gtf2a1_j3	0.0658952	0.0255711	0	1	1
Sel1l_j2	9.1675	10.49	0	1	1
Galc_j2	1.45676	1.28896	0	1	1
Galc_j3	3.37418	3.18487	0	1	1
Ptpn21_j1	0.102177	0	0	1	1
Foxn3_j1	4.09723	4.57786	0	1	1
2610021K21Rik_j1	0.158164	0.0541341	-1.54681	0.22696	0.574135
XLOC_007168	0.121894	0.106363	-0.196634	0.767036	1
Ttc7b_j3	8.31744	7.85558	0	1	1
Ttc7b_j4	1.71884	2.76451	0	1	1
Ttc7b_j5	1.56361	0.742713	0	1	1
Ttc7b_j1	6.18499	2.74216	0	1	1
Gpr68_j1	0.103738	0.103408	-0.00460722	0.994919	1
Fbln5_j3	14.3108	13.7578	0	1	1
Trip11_j2	4.56134	4.53579	-0.00810523	0.949489	0.985359
Trip11_j3	1.6956	1.78915	0.0774737	0.609555	0.846264
Atxn3_j3	0.137178	0	0	1	1
Lgmn_j3	0.2326	0	0	1	1
Itpk1_j1	3.83552	5.22704	0	1	1
Ifi27l2a_j2	0.388732	0 -1.79769e+308		0.0330034	0.197926
Ifi27l2a_j3	5.39335	8.93003	0.727484	0.0011482	0.0159722
Serpina11_j1	0.951394	0.522245	-0.865317	0.0029753	0.034249
Clmn	0.449074	0.603352	0	1	1

4831426119Rik_j4	0.0539446	0	0	1	1
Atg2b_j1	3.14132	2.9068	-0.111938	0.42672	0.741332
XLOC_007199	0.140525	0.0396623	-1.82499	0.105744	0.403811
XLOC_007201	0.0647407	0 -1.79769e+308		0.022694	1
XLOC_007201	0.135175	0.0607271	-1.15442	0.290843	1
Bcl11b_j1	0.294932	0.205509	0	1	1
Setd3_j1	0.48942	0.521439	0	1	1
Setd3_j2	0.176188	0.133923	0	1	1
Ccdc85c_j2	0.765539	0 -1.79769e+308		3.99E-15	7.96E-13
Slc25a29_j1	4.31919	3.64832	-0.243526	0.153531	0.486123
Hsp90aa1_j1	2.12377	3.68454	0	1	1
Hsp90aa1_j2	6.35249	4.47284	0	1	1
Hsp90aa1_j3	8.69877	10.2734	0	1	1
Stk30_j17	0	0.0515336 1.79769e+308		0.181475	1
Stk30_j18	0.156447	0.231414	0.564803	0.540524	0.808873
Ankrd9_j3	0.30246	0.299782	-0.0128337	0.986761	0.99622
mKIAA1124	7.46938	8.30295	0	1	1
AK012841_j1	0.477375	0.504954	0	1	1
Ckb_j3	4.08354	8.21354	0	1	1
Ppp1r13b_j2	0.368503	0.303329	0	1	1
5033406O09Rik_j5	0.173335	0.112503	-0.623608	0.572472	0.827134
Tmem179_j2	21.064	30.0862	0	1	1
abParts_j3	0.141298	0	0	1	1
abParts_j14	1.65158	0.0373297	0	1	1
D430020J02Rik	0.105528	0.0429523	-1.29681	0.296032	1
Sp4	0.378368	0.259705	0	1	1
XLOC_006541	0.246099	0.23092	-0.0918474	0.863591	0.956634
Dtnb_j8	1.15248	0.552792	-1.05993	0.0001231	0.0025537
Dnmt3a	0.0995517	0.161063	0	1	1
Dnmt3a_j8	0.282436	0.342655	0	1	1
Dnajc27_j4	0.110665	0.208443	0	1	1
Dnajc27_j2	0.0744879	0.0617593	0	1	1
Dnajc27_j3	2.40622	1.81524	0	1	1
Adcy3_j1	0.224126	0.340492	0	1	1
BC067010_j2	4.83738	4.91024	0.0215653	0.877631	0.96086
Atad2b_j1	0.0513808	0.0982484	0	1	1
XLOC_006559	0	0.0877475 1.79769e+308		0.0340267	1
XLOC_006561	0.0158268	0.101828	0	1	1
Hs1bp3_j1	0.000147528	0.593721	0	1	1
Pum2_j2	0.521173	0.360188	0	1	1
XLOC_006574	0.0827232	0.087905	0.0876524	0.920897	1
XLOC_006581	0.0887659	0.155774	0.811377	0.360231	1
Nbas_j9	4.47085	4.94858	0	1	1
XLOC_006586	0.21102	0.176955	-0.254002	0.813889	0.939298
Nol10_j5	0	0.422511	0	1	1
Odc1_j2	0.549212	0.785586	0.516405	0.141558	0.468103
Odc1_j15	1.2117	3.97647	1.71446	8.53E-08	4.67E-06

BC031503_j1	14.6824	16.3158	0.152182	0.326604	0.669796
BC031503_j2	0	0.12991 1.79769e+308		0.123635	1
AK149188_j1	1.02754	0.938123	-0.13134	0.806373	0.935967
Gm4983_j1	7.24E-05	0.179513	11.2764	0.965825	0.9902
XLOC_006609	2.70191	1.78151	-0.600878	0.134897	0.457099
XLOC_006614	0.519503	0.924508	0.831554	0.0083213	0.0747414
Taf1b_j2	1.88559	1.45659	-0.372424	0.255962	0.604701
Myt1l_j5	0.317346	0.962165	0	1	1
Lamb1_j3	2.48615	0.726192	0	1	1
Lamb1_j4	5.60311	5.95299	0	1	1
Atxn7l1_j1	0.656506	0.437912	-0.584167	0.0344676	0.203708
Ispd_j2	0.761126	1.05629	0	1	1
Dgkb_j1	0.310365	0.161711	0	1	1
Etv1_j4	3.32895	1.55957	-1.09391	0.0001152	0.0024236
Nrcam_j7	0.878148	0.875389	0	1	1
Nubpl_j4	0	0.0617662 1.79769e+308		0.0454963	1
Arhgap5_j6	0.0505162	0 -1.79769e+308		0.0004824	1
Akap6_j1	13.8976	15.4351	0	1	1
Npas3_j1	0.0616961	0.0453515	-0.444029	0.741423	1
XLOC_006669	1.72E-05	0.0890124	12.3365	0.995197	1
Srp54c	3.53363	2.6281	0	1	1
Ctage5_j2	2.47317	2.55693	0.0480535	0.822744	0.942844
Fancm_j2	0.0474209	0.0655467	0.467001	0.464387	1
Klhdc2_j2	46.6849	46.1316	0	1	1
XLOC_006699	0.00210768	0.0970385	5.52483	0.520213	1
XLOC_006704	0.170921	0.247535	0.5343	0.341677	0.681558
Frmf6_j3	0	0.0744391 1.79769e+308		0.0229334	1
Psm3_j2	0.20861	0.419242	1.00698	0.226476	0.573564
Dact1_j3	0.975093	1.16821	0.260687	0.285149	0.633925
Daam1_j3	4.08988	5.20521	0	1	1
Ppm1a_j1	0.493425	1.67863	1.76638	0.0002493	0.0046144
Ppm1a	9.87049	7.64727	-0.368176	0.040483	0.225632
Slc38a6_j11	0.100904	0.327332	1.69776	0.109299	0.411339
Syt16_j2	0.707069	0.411274	0	1	1
Syne2_j2	0.102711	0.129843	0.338183	0.694005	1
Syne2_j3	0.100469	0.153171	0.608392	0.407606	1
Syne2_j5	0.199271	0.235724	0.242372	0.349801	0.687467
Syne2_j4	0.0312911	0.0667304	1.09259	0.0427106	1
Syne2_j15	2.53266	2.84571	0.168135	0.333792	0.674658
Gm70_j1	0.0568611	0.231183	2.02352	0.0848342	0.355514
Plekhg3_j1	0.357198	0.344462	0	1	1
Arg2	0.628912	0.928816	0	1	1
Rdh12_j2	0	0.109316 1.79769e+308		0.0435008	1
Rdh12_j1	0	0.0920051 1.79769e+308		0.063857	1
Rad51l1_j3	0.112915	0.16544	0.551068	0.633252	0.857512
4933426M11Rik_j1	0	0.157297	0	1	1
Srsf5_j7	13.418	15.1089	0.171225	0.171157	0.507955

Pcnx_j8	0.510093	0.513349	0	1	1
Sipa1l1_j3	0.0528665	0.079627	0.590904	0.411807	1
Sipa1l1_j8	0.788858	0.746931	-0.0787901	0.79097	0.930334
Rgs6_j5	0.816934	0.520585	-0.650086	0.0160758	0.120776
Dnalc1_j1	0.525763	0.737971	0	1	1
Coq6_j1	4.98772	5.04348	0.0160405	0.927547	0.977629
Fcf1_j6	0.362298	0.267203	-0.439243	1	1
Ylpm1_j1	1.64002	1.14482	0	1	1
XLOC_006783	0.143977	0.0883244	-0.704957	0.511316	0.791501
Jdp2_j1	0.157114	0.357338	1.18547	0.0318025	0.193109
Batf	0.0977988	0.299973	1.61695	0.0326739	0.196609
Mfsd7c_j1	0.444312	0.617115	0.473967	0.0971135	0.385205
Ttll5_j4	2.60867	3.33541	0.354553	0.0431295	0.235574
Ttll5_j6	9.97405	10.2293	0.0364597	0.80223	0.934265
2310044G17Rik	9.48449	4.69793	0	1	1
Gstz1	5.74054	4.87734	0	1	1
Ttc8_j1	0.976864	0.859738	-0.18426	0.526216	0.800979
XLOC_006818	0.0686528	0.15358	0	1	1
Psmc1_j1	2.93584	5.11523	0	1	1
Rin3_j2	0	0.250961	1.79769e+308	0.0001438	0.0029061
Rin3_j4	9.08E-05	0.107332	10.2071	0.867507	1
Unc79_j8	0.499598	0.166385	-1.58624	1.10E-05	0.0003356
Unc79_j7	0.0447639	0.0874387	0.965936	0.130556	1
Ifi27l1_j1	0.332877	0.38849	0.222888	0.768132	0.921044
Ifi27l1	19.372	19.1494	-0.0166742	0.922082	0.975613
Ppp4r4_j2	3.77945	4.30015	0	1	1
Serpina3g_j1	25.6932	20.9109	0	1	1
Serpina3n_j1	17.3826	33.3168	0	1	1
Serpina3n_j2	37.3026	38.1227	0	1	1
Glrx5_j1	0	0.398096	1.79769e+308	0.0347816	0.204868
XLOC_006852	0.0756994	0.121317	0.680431	0.448136	1
XLOC_006853	0.556712	0.745066	0.420437	0.221406	0.568585
Ccnk_j1	1.58637	1.24391	-0.350851	0.109673	0.412055
Hhip1_j1	0	0.114886	0	1	1
Eml1_j5	0.0578761	0.0236699	-1.28991	0.419864	1
Evl_j5	36.9271	48.0596	0.380144	0.0016755	0.0216618
Yy1_j1	4.40246	5.88532	0	1	1
Wdr25_j2	0.114428	0.216284	0	1	1
Wdr25_j1	0.182494	1.72568	0	1	1
Meg3_j3	74.7622	69.5881	0	1	1
XLOC_006868	0.204358	0.155489	-0.394281	0.558523	0.820112
XLOC_006871	0.0915302	0.293196	1.67955	0.0401522	0.224352
Mirg_j6	0.0228462	0.174257	2.93119	0.0738063	0.327402
Mirg_j9	0.235138	0.603482	1.3598	0.0478664	0.251548
Mirg_j11	0.215448	0.206474	-0.0613822	0.927795	0.977629
Mirg_j12	0.838168	0.791153	-0.0832818	0.848028	0.951888
Ppp2r5c_j1	12.8997	13.8751	0	1	1

Ppp2r5c	4.85008	4.69132	0	1	1
Dync1h1_j6	7.20276	6.96784	-0.0478373	0.630757	0.856399
Rcor1_j5	2.17146	2.03266	0	1	1
Traf3_j1	0	0.165556	0	1	1
1200009I06Rik_j4	0.0933945	0.139008	0.573758	0.60551	1
Mark3_j2	0.133341	0.146829	0	1	1
Klc1_j13	0.204216	0.148987	0	1	1
Klc1_j12	129.835	124.57	0	1	1
Kif26a	0.36122	0.376485	0.0597123	0.829821	0.944995
Inf2_j1	0.293314	1.84462	2.65281	2.80E-07	1.34E-05
AW555464_j2	0.869597	2.43483	1.4854	2.22E-16	5.36E-14
Pld4_j1	0	0.085755	1.79769e+308	0.0711634	1
Pacs2	3.66902	6.6422	0	1	1
Mta1	3.70033	3.36293	0	1	1
Crip2_j6	0.0984377	0.185051	0	1	1
4930427A07Rik_j3	0.331896	0.172098	-0.947501	0.0972162	0.385461
Zfp386_j3	0	0.148499	1.79769e+308	0.0186789	1
Fam62b_j2	2.8924	4.619	0	1	1
Ncapg2_j3	0.044957	0.0618664	0.460608	0.770436	1
Ncapg2_j6	0.805229	0.85308	0.0832823	0.750205	0.913279
1110002L01Rik_j1	0.196427	0.225722	0	1	1
XLOC_006928	0	0.141871	1.79769e+308	0.014927	1
Fkbp1b_j3	84.4642	87.0744	0	1	1
Slc7a15_j5	0.0958761	0.161262	0.75016	0.432294	0.744198
XLOC_006939	4.0384	3.68334	0	1	1
Kcns3_j1	2.04278	1.06504	0	1	1
Kcns3_j2	0.000848281	2.04478	0	1	1
Kcns3_j3	8.34674	2.32384	0	1	1
Gen1_j1	0	0.0848448	1.79769e+308	0.0147101	1
Ddx1_j3	6.32023	7.40089	0	1	1
Lpin1_j2	0.309992	0.479076	0	1	1
Lpin1_j5	0.294021	0.467672	0	1	1
Atp6v1c2_j1	0.0956263	0.212778	1.15387	0.002478	0.0296324
Ywhaq_j1	120.815	126.319	0.0642707	0.464636	0.764867
XLOC_006968	0.0663029	0.137035	1.0474	0.275846	1
Rnf144a_j1	0	0.108641	0	1	1
AK163447_j1	0.0188767	0.131727	2.80288	0.0075595	1
Rps7_j3	0.125027	0.197894	0.662479	0.363013	0.697185
Ttc15_j1	0.675039	0.543107	0	1	1
Acp1_j2	0.30533	0.213938	-0.513175	0.242172	0.589626
Cbll1_j1	0.0780042	0.33179	0	1	1
Dus4l_j1	0	0.0932458	0	1	1
Dus4l	1.4629	1.72894	0	1	1
AK016682_j5	0	0.127728	1.79769e+308	0.0632477	1
F730043M19Rik_j2	0.455469	0.413418	-0.139753	0.691274	0.885697
Hdac9_j1	1.11224	1.62721	0	1	1
Hdac9_j4	0	0.170951	0	1	1

Hdac9_j5	0.0711462	0.155703	0	1	1
Hdac9_j15	0.501923	0.634953	0	1	1
Stxbp6_j1	1.0761	0.243324	0	1	1
Stxbp6_j2	0	0.377353	0	1	1
Strn3	0.454958	0.436869	0	1	1
Hectd1_j2	2.62881	1.84228	0	1	1
Hectd1_j1	1.37372	1.8608	0	1	1
Heatr5a_j5	2.69962	2.09881	-0.363182	0.0417557	0.230484
Snx6_j3	14.1146	15.5463	0	1	1
Cfl2_j1	46.2819	41.92	0	1	1
Baz1a_j2	0.11478	0 -1.79769e+308	0.0007598		1
Baz1a_j3	0.165584	0.359363	1.11788	0.0007738	0.0116588
Ppp2r3c	5.78725	5.85101	0	1	1
Ralgapa1_j12	23.2718	23.3729	0.00625221	0.954439	0.986881
Ralgapa1_j14	0.112157	0.105565	-0.0873809	0.858001	1
Mdga2_j5	0	0.0836843 1.79769e+308	0.0362288		1
Rps29_j1	0.569145	0.641187	0.17195	0.786604	0.928645
Pole2	0.126607	0.279914	0	1	1
Sdccag1	9.52554	9.28124	0	1	1
Cdkl1_j6	0.179439	0.445973	1.31346	0.103947	0.399846
Cdkl1_j2	0.208553	0.116259	-0.843069	0.343211	0.683127
Map4k5_j1	2.75052	3.06911	0	1	1
mKIAA1565_j11	0.944677	0.979441	0.0521376	0.806402	0.935978
Trim9_j5	0.324297	0.207732	0	1	1
Trim9_j7	0.840308	1.29464	0	1	1
Rtn1_j7	2.40136	1.76797	0	1	1
4930447C04Rik_j13	0.322561	0.637379	0.98258	0.0248506	0.163552
4930447C04Rik_j14	0.762808	0.780269	0.0326513	0.918306	0.974532
4930447C04Rik_j18	0	0.284718 1.79769e+308	0.0066877		0.0635533
Trmt5_j4	0.0304273	0.0877023	1.52725	0.0894816	1
Gphb5	0.0933671	0.382246	2.03351	0.0004628	0.0076395
Zbtb25_j1	0.0288088	0.0788252	1.45215	0.0932825	1
Zbtb25_j2	0.0390555	0.216656	2.47181	0.0003116	0.0055108
Tmem229b_j1	0.327645	1.01037	0	1	1
Vti1b_j3	5.58504	0	0	1	1
Zfyve26_j2	1.1048	1.1334	0	1	1
Actn1_j1	2.20727	2.46672	0	1	1
Slc8a3	2.92229	2.21012	0	1	1
Med6_j1	5.4598	5.37205	0	1	1
Med6_j2	0.170125	0.518013	0	1	1
XLOC_007105	0.00795231	0.108841	3.77471	0.515031	1
XLOC_007105	0.200377	0.195606	-0.0347605	0.949721	0.985412
XLOC_007106	0	0.362804 1.79769e+308		1.53E-05	0.0004464
Dpf3_j1	0.349691	0.127826	-1.45189	0.184362	0.524849
C130039O16Rik	1.1485	1.42337	0	1	1
Fam161b_j2	1.62889	1.75466	0.107302	0.611418	0.846943
Entpd5_j1	0	0.0599346 1.79769e+308	0.0288139		1

Abcd4_j3	0.645464	0.766223	0	1	1
Ltbp2_j2	0.222158	0.111916	-0.989173	0.119419	0.429997
Ltbp2_j3	0	0.0826474	1.79769e+308	0.0120613	1
1110018G07Rik_j4	2.44349	2.71163	0	1	1
Prox2_j1	0.155507	0.137055	-0.182217	0.662052	0.871836
Prox2_j2	0.455437	0.407211	-0.161476	0.625967	0.854009
Pgf_j3	0.946547	0.813328	-0.218837	0.612006	0.847187
Mlh3_j1	1.03961	1.42256	0	1	1
Mlh3_j2	0	0.709919	0	1	1
Nek9_j5	0.0726581	0.045993	0	1	1
Tmed10	0.150058	0.905139	0	1	1
Angel1_j2	4.4591	4.71652	0	1	1
Tmed8_j1	0.208875	0.262854	0	1	1
Vipar_j3	0.294997	0.590047	1.00013	0.0014486	0.0191817
lsm2_j5	0.105656	0.26238	1.31228	0.0449319	0.242254
4930534B04Rik_j1	0.140195	0.152689	0.123165	0.840365	0.949524
Gtf2a1_j5	6.34838	7.778	0	1	1
Ston2_j3	1.04133	1.08084	0	1	1
Ptpn21	0.00643517	0.589586	0	1	1
XLOC_007164	0.00738351	0.151765	4.36139	0.352857	1
Ttc7b_j6	2.92277	0.806491	0	1	1
Rps6ka5_j1	0.327284	0.252314	0	1	1
Ccdc88c_j1	0	0.132727	1.79769e+308	0.003398	1
Fbln5_j1	19.4527	17.1324	0	1	1
Atxn3_j5	2.48656	2.03478	0	1	1
ltpk1_j2	0	0.911138	0	1	1
ltpk1_j3	2.65478	1.80534	0	1	1
Btbd7_j1	2.30019	2.46674	0	1	1
Asb2_j4	0.584872	0.535342	-0.12766	0.848423	0.952095
4831426l19Rik_j2	0.00304615	0.049267	0	1	1
Bcl11b_j3	0	0.0660756	0	1	1
XLOC_007213	0.123669	0.0915175	-0.434363	0.568191	1
XLOC_007213	0.637022	0.505697	-0.333069	0.233233	0.580492
Cdc42bpb_j2	0.60224	0.708938	0	1	1
Cdc42bpb_j1	0.622266	0.548275	0	1	1
5033406O09Rik	0.0856351	0.220405	1.36388	0.196279	0.539086
5033406O09Rik_j2	0.125014	0.104582	-0.257453	0.840416	1
2010107E04Rik_j1	80.0387	75.0765	-0.0923362	0.431717	0.743753
XLOC_007229	0.0488536	0.156174	1.67662	0.135144	1
Tmem179_j4	0	0.284632	0	1	1
Akt1_j1	1.67667	4.96183	1.56527	1.72E-13	2.76E-11
Jag2_j2	0.0026727	0.566265	0	1	1
Jag2_j3	0.361363	0.614606	0	1	1
abParts_j2	0.0269199	0.135977	0	1	1
abParts_j8	0.508357	0.606491	0	1	1
abParts_j9	0.0063512	0.172545	0	1	1
abParts_j12	7.72717	11.0757	0	1	1

Kif3c_j1	18.612	18.9487	0	1	1
Dtnb_j6	0.598551	1.4408	1.26733	8.06E-08	4.45E-06
Dtnb_j7	0.241699	1.14445	2.24336	2.17E-05	0.0005914
Dnmt3a_j2	0	0.0519796	0	1	1
Dnmt3a_j4	0.108577	0.0289611	0	1	1
Dnmt3a_j7	0.165862	0.375573	0	1	1
Dnmt3a_j11	1.00134	0.515764	0	1	1
Dnajc27_j1	0.216591	0.0975983	0	1	1
XLOC_006548	0.162729	0.161965	-0.00678361	0.993856	0.99826
XLOC_006549	0.0617435	0.0816688	0.403497	0.679527	1
Itsn2_j4	0.231941	0.272857	0.234385	0.532585	0.804349
Itsn2_j5	7.21707	6.88217	-0.0685491	0.52679	0.801217
Atad2b_j7	0.254383	0.427398	0	1	1
2810032G03Rik_j1	0.727022	0.787595	0	1	1
XLOC_006557	0.211713	0.216636	0.0331675	0.964623	0.989999
Pum2_j4	1.12078	0.774123	0	1	1
Pum2_j12	1.50279	1.54178	0	1	1
Sdc1_j4	2.80388	6.09765	1.12083	2.67E-10	2.48E-08
Laptm4a_j3	0	3.3072	1.79769e+308	1.96E-06	7.45E-05
XLOC_006574	0.131137	0.17756	0.437225	0.469505	0.767555
Fam49a_j1	0.172882	0.506552	0	1	1
XLOC_006581	0	0.0978595	1.79769e+308	0.0676003	1
XLOC_006586	0.0192508	0.117355	2.60789	0.295031	1
E2f6_j3	0.174519	0.237543	0	1	1
Odc1_j7	2.91081	5.10893	0.811602	6.82E-06	0.0002225
Hpcal1	2.41429	5.58601	1.21022	1	1
Hpcal1_j4	53.0526	59.4245	0.163634	0.164707	0.500749
BC031503_j3	3.45152	4.06127	0.234697	0.355965	0.691825
EG245297_j1	0	0.186313	1.79769e+308	0.0162977	0.122048
XLOC_006601	0.263458	0.254429	-0.0503103	0.964953	0.990054
AK149188	0.531572	0.450762	-0.237897	0.504667	0.787836
Asap2	1.58691	1.57075	-0.014761	0.925407	0.976852
lah1_j1	2.69366	5.34507	0.988643	0.0067528	0.0640061
lah1_j2	0.892057	1.17489	0.397324	0.0678252	0.311768
XLOC_006612	0.284565	0.586963	1.04451	0.0001958	0.0037747
Klf11_j2	0.613884	1.60782	0	1	1
Myt1l	1.82349	1.11751	0	1	1
Myt1l	3.96113	3.29544	0	1	1
Pxdn_j10	1.77649	1.93718	0	1	1
Fam150b_j1	18.5384	19.0201	0.0370058	0.702939	0.891214
Sypl_j1	7.94618	8.2269	0.0500876	0.815483	0.939924
Atxn7l1_j5	0.620525	0.575284	-0.109214	0.69249	0.886124
Atxn7l1_j4	0.0734772	0.0581629	-0.337198	0.683964	1
Efcab10_j1	0.755169	1.2382	0.713372	0.347482	0.68608
Dgkb_j4	0.524307	0.711865	0	1	1
Etv1_j8	1.22681	0.758374	-0.693926	0.397695	0.722084
lmp2l_j1	3.14271	3.10514	-0.017352	0.9531	0.986399

Nrcam_j6	0.206828	0.518142	0	1	1
XLOC_006658	1.83E-05	0.0791423	12.0809	0.983756	1
XLOC_006658	0.0335567	0.122961	1.87353	0.160333	1
G2e3	0.263606	0.429115	0.702984	0.257915	0.606586
XLOC_006664	0.0654332	0.0682152	0.06007	0.946425	1
Akap6_j2	11.189	13.0421	0	1	1
Srp54a_j1	4.34786	4.60446	0	1	1
Srp54a_j2	9.06464	12.3846	0	1	1
Srp54a_j4	0.263131	0.196581	0	1	1
Sip1_j1	0.151944	0.192965	0.344794	0.736742	0.907294
Ctage5_j4	1.76285	2.90114	0.718707	0.0007272	0.011075
XLOC_006684	0.135914	0.161038	0.244707	0.667847	0.87439
Lrfn5_j4	11.2429	11.5481	0	1	1
Prpf39_j1	1.5042	1.36601	0	1	1
Fancm_j4	1.03459	0.802253	-0.366935	0.0940956	0.377895
Atp5s_j1	2.53463	3.22775	0	1	1
Atl1_j4	1.12296	1.17247	0	1	1
Psm3_j5	0.0586229	0.074844	0.352423	0.752006	1
Psm3_j7	0.852283	0.810386	-0.0727244	0.882543	0.962629
2700049A03Rik_j4	0	0.0676919	0	1	1
2700049A03Rik_j3	0	0.169747	0	1	1
Dact1_j1	0	0.0957131	1.79769e+308	0.0141499	1
Ppm1a_j2	0	0.0668823	1.79769e+308	0.116147	1
XLOC_006721	0.114842	0.12949	0.173193	0.788867	1
Mnat1_j1	0.0540625	0.0812637	0	1	1
Slc38a6_j1	1.49799	2.24211	0.581824	0.0020969	0.0259539
Hif1a_j2	0	0.201172	0	1	1
Syne2_j8	0.0403393	0.114614	1.50653	0.0013088	1
Akap5	0.0892108	0.0812365	-0.13509	0.860958	1
Fut8_j3	5.34946	4.25331	0	1	1
Fut8_j4	0.994782	2.4359	0	1	1
Gphn_j1	0.349704	0.247045	0	1	1
Gphn_j3	4.57333	4.42871	0	1	1
XLOC_006745	0.255681	0.297722	0.219624	0.782079	0.926378
Exd2_j2	0.538776	0.5074	-0.0865633	0.83966	0.949168
Galnt1	0.905133	1.57059	0	1	1
4933426M11Rik_j5	0	0.0818818	0	1	1
Srsf5_j6	0.233145	0.248839	0.0939822	0.897522	0.967361
Smoc1_j2	0.935149	0.982051	0	1	1
Smoc1_j4	0	0.163565	0	1	1
Pcnx_j2	0.117102	0.0814358	0	1	1
Rbm25_j2	1.8198	3.48729	0.938322	0.0001246	0.0025779
Psen1_j1	9.18781	8.02686	0	1	1
Dnalc1_j2	0.291509	0.122507	0	1	1
Zfp410_j4	1.2947	1.10731	-0.225564	0.291927	0.638801
Zfp410_j3	1.57968	3.06434	0.955939	3.32E-09	2.53E-07
Isca2_j1	2.439	4.07983	0.742219	0.02279	0.154198

XLOC_006782	0.0821094	0.0778338	0	1	1
XLOC_006783	0.102405	0.135987	0.409187	0.538204	1
XLOC_006783	0.0635049	0.145159	1.19269	0.233803	1
TtlI5_j3	0.90292	0.482506	-0.90405	0.0065477	0.0625462
Nrxn3_j23	1.80387	3.20804	0	1	1
Flrt2	0.0875094	0.527943	0	1	1
Zc3h14_j2	1.18188	0.751523	0	1	1
Ttc8_j3	1.11176	1.18748	0.0950691	0.811357	0.938053
Psmc1_j3	0	0.469051	0	1	1
XLOC_006822	16.1162	18.8587	0.226713	0.0828937	0.350922
9030617003Rik	0.750435	0.672013	-0.159238	0.650776	0.86597
9030617003Rik_j2	0.796717	0.841992	0.079739	0.814352	0.939438
9030617003Rik_j1	0.228942	0.453094	0.984826	0.122009	0.435016
Rin3_j1	0.469727	0.278951	-0.751813	0.0834742	0.352255
Unc79_j6	0.0287949	0.11897	2.04671	0.343859	1
Unc79_j12	0	0.0634554	1.79769e+308	0.0024531	1
Unc79_j17	1.70026	1.89873	0.159283	0.648337	0.864614
Ifi2711_j3	8.42302	9.19068	0.125833	0.606943	0.845186
Serpina3g_j2	3.14499	4.3412	0	1	1
XLOC_006839	0.377947	0.401864	0	1	1
XLOC_006842	0.114718	0.193789	0.756394	1	1
XLOC_006842	0.169346	0.218078	0.364867	0.402319	0.725446
D430019H16Rik_j1	5.54046	10.8176	0.965307	0	0
Papola_j2	0.223538	0.266118	0	1	1
Hhip1_j3	0.0620305	0.304504	0	1	1
Slc25a47_j5	0.0697337	0.334819	2.26345	0.0175751	0.128649
XLOC_006864	0.119372	0.127613	0.0963154	0.882183	1
Meg3_j1	62.2678	84.085	0	1	1
Meg3_j2	63.8499	94.331	0	1	1
Meg3_j7	3.64301	4.80416	0	1	1
Meg3_j8	34.5637	36.2715	0	1	1
Rian_j4	17.1561	18.4965	0	1	1
Mirg_j3	0	0.0656909	1.79769e+308	0.0676185	1
Mirg_j4	0	0.0716577	1.79769e+308	0.0715522	1
Mirg_j5	0.672199	0.690126	0.0379697	0.936784	0.980653
Mirg_j14	0	0.0834893	1.79769e+308	0.223809	1
XLOC_006875	0.0916513	0.136353	0.573121	0.503009	1
Zfp839_j5	0.407386	0.550359	0.433978	0.287448	0.635587
1200009I06Rik_j6	0.540231	0.789945	0.548176	0.302508	0.648495
Eif5_j1	32.236	34.9438	0	1	1
Klc1_j5	33.4799	41.0144	0	1	1
Zfyve21	1.819	1.66496	0	1	1
Kif26a_j2	0.0234341	0.0634651	1.43735	0.14503	1
Kif26a_j6	0.603643	0.472084	-0.354654	0.505736	0.788505
Inf2	0.569759	2.23848	0	1	1
Adssl1_j1	0.210155	0.243626	0.213214	0.798574	0.933125
Zbtb42_j3	0	0.0892534	1.79769e+308	0.0361114	1

AW555464_j6	2.08543	1.68011	-0.311788	0.235102	0.582306
Btbd6_j1	8.55686	9.23431	0.109923	0.364944	0.698811
Pacs2_j1	0.195337	0.286532	0	1	1
Pacs2_j3	0	0.0796644	0	1	1
Mta1_j6	0	0.0503658	0	1	1
Zfp386_j1	5.59471	5.96025	0.0913099	0.532971	0.804708
Ptprn2_j5	4.90207	5.57684	0	1	1
XLOC_006917	0.0475635	0.0937185	0.97848	0.538915	1
Fkbp1b_j2	4.89226	6.07223	0	1	1
Mfsd2b_j9	0.0608508	0.0949977	0	1	1
Slc7a15_j4	0.14147	0.180356	0.35035	0.647267	0.864068
Slc7a15	0.0756981	0.0471874	-0.681857	0.524505	1
Ddx1_j2	10.4527	13.9378	0	1	1
Trib2_j6	0	0.20483	0	1	1
Greb1_j6	0	0.0675237	1.79769e+308	0.0032342	1
Greb1_j5	0.0081251	0.0638983	2.97532	0.0198582	1
1700030C10Rik	3.34513	2.46142	-0.442574	0.0293853	0.183133
XLOC_006966	0.811141	1.58407	0.965613	0.118822	0.428894
XLOC_006968	0.122518	0.151396	0.305335	0.7146	1
XLOC_006968	0.617652	0.592007	-0.0611819	0.870262	0.958714
Rnf144a_j4	5.44919	4.62368	0	1	1
Sntg2_j3	0.0606305	0.242254	1.99841	0.187642	0.528653
Hdac9_j10	0.0676962	0.133674	0	1	1
Hdac9_j11	0.078623	0.00732812	0	1	1
Hdac9_j13	0.546629	0.726809	0	1	1
Bzw2_j1	0.0205848	3.11573	0	1	1
Bzw2_j2	9.05452	7.72825	0	1	1
lfrd1_j1	8.21476	11.8208	0.525043	0.0001255	0.0025923
Hectd1_j13	3.22495	5.90737	0	1	1
Heatr5a	0.41037	0.380729	-0.108158	0.717521	0.898161
Heatr5a_j6	0.861626	0.50985	-0.756987	0.0026239	0.0309809
Egln3_j2	0.26082	0.376211	0.528486	0.362051	0.69637
1110002B05Rik_j2	6.90108	7.67817	0.153939	0.455351	0.759162
Snx6_j2	17.3712	21.5271	0	1	1
Baz1a_j1	0.0245069	0.105188	2.10172	0.0090128	1
Ppp2r3c_j1	4.08076	4.13744	0	1	1
Ralgapa1_j9	0.552991	0.316729	-0.804008	0.0069068	0.0651617
Ralgapa1_j7	0.0832812	0	-1.79769e+308	2.49E-05	1
Ralgapa1_j8	0.931797	0.991653	0.089821	0.667563	0.874313
Mdga2_j4	0.0976054	0.153247	0	1	1
Mdga2_j7	0.0102655	0.054163	2.3995	0.278259	1
Mdga2_j6	0.0118635	0.0545435	2.20088	0.29416	1
1110034A24Rik_j2	2.37577	5.15454	0	1	1
Pole2_j4	0.0264017	0.085772	0	1	1
Sdccag1_j3	27.0224	24.0825	0	1	1
Sos2_j3	4.23938	4.25397	0.00495493	0.978271	0.993756
L2hgdh	0.0839384	0.251756	1.58463	0.0234508	0.157087

Cdkl1_j7	0.0623587	0.0419722	-0.571155	0.70585	1
mKIAA1565_j6	0.176536	0.220504	0.320841	0.386434	0.714571
Trim9_j2	1.77386	2.19956	0	1	1
AK015004_j1	0.239565	0.609475	0	1	1
Timm9_j1	0	0.0585995	1.79769e+308	0.223621	1
2810055F11Rik_j3	0.0177768	0.111081	2.64354	0.0587265	1
4930447C04Rik_j5	1.61315	2.07296	0.361815	0.384111	0.71322
4930447C04Rik_j6	0.11533	0	-1.79769e+308	0.0014671	1
4930447C04Rik_j7	0.163814	0.265068	0.694303	0.207967	0.552233
Trmt5_j5	1.12223	1.17214	0.0627722	0.842773	0.950279
Sgpp1_j1	20.2753	18.5548	0	1	1
Tmem229b_j3	16.2042	19.937	0	1	1
Pigh_j1	3.8453	4.60683	0	1	1
Actn1_j2	4.65004	5.03459	0	1	1
Actn1_j3	0.184855	0.401631	0	1	1
Erh_j2	20.0169	24.2208	0	1	1
Med6_j9	1.83229	1.61951	0	1	1
Dpf3_j3	0	0.228908	1.79769e+308	0.0290243	0.181523
Zfyve1_j3	4.82433	5.64862	0	1	1
Zfyve1_j4	3.04585	3.2841	0	1	1
Entpd5_j6	0.638047	0.757498	0.247579	0.393269	0.719167
Ltbp2_j5	0.10958	0.0845437	-0.374211	0.66922	1
Ltbp2_j7	0.0376245	0.180528	2.26248	0.169503	0.50647
MIh3_j5	0.0644299	0.0594752	0	1	1
Nek9_j3	12.931	13.8001	0	1	1
Tmed10	17.3662	8.93587	0	1	1
lsm2_j7	0.0392894	0.136714	1.79895	0.257968	1
XLOC_007151	0.0884656	0.107736	0.284312	0.742811	1
Gtf2a1_j1	0.275863	0.285631	0	1	1
Ston2_j4	0.182436	0.509994	0	1	1
Sel1l_j1	0.202878	0.322617	0	1	1
Kcnk10_j1	0	0.0691551	0	1	1
Ptpn21_j5	0.194651	0.485575	0	1	1
Ptpn21_j4	1.3415	1.16144	0	1	1
Foxn3	0.0922635	0.560367	0	1	1
2610021K21Rik_j4	0.119296	0.119203	-0.00112548	0.999376	1
Trip11_j4	0.30817	0.4412	0.51771	0.0402084	0.224574
Prima1_j1	0.00149137	1.32018	0	1	1
Asb2	0.103938	0.27986	1.42898	0.0534038	0.268971
Asb2_j1	0	0.1717	1.79769e+308	0.004165	0.0441687
Serpina10	0.127953	0.298775	1.22345	0.0534943	0.269262
Dicer1	2.44284	2.79878	0	1	1
4831426l19Rik_j1	0.105265	0.102949	0	1	1
4831426l19Rik_j6	0	0.0997859	0	1	1
4831426l19Rik_j5	0.0946598	0.016799	0	1	1
XLOC_007201	0	0.0692913	1.79769e+308	0.0628842	1
Setd3	3.15537	3.62972	0	1	1

Ccdc85c_j3	0.551976	0.61008	0.144395	0.687833	0.883968
Ccdc85c_j4	2.05376	0.99704	-1.04255	4.97E-05	0.0011876
Degs2	0.538714	0.367581	-0.551458	0.249327	0.596796
Begain_j2	0	0.529912	1.79769e+308	9.99E-06	0.0003093
Hsp90aa1_j6	0.320157	0.108696	0	1	1
Stk30_j3	0.0691382	0.283092	2.03372	0.0300549	0.185998
Stk30_j19	0.153462	0.0370638	-2.0498	0.314339	0.658565
Ppp1r13b_j1	3.50086	3.83719	0	1	1
5033406O09Rik_j1	0	0.107677	1.79769e+308	0.0725234	1
5033406O09Rik_j3	0	0.106544	1.79769e+308	0.0720609	1
Brf1_j4	4.00571	3.61486	-0.148118	0.385473	0.714101
Igh-A (1g2)	0	0.723212	0	1	1
abParts_j13	2.47534	0.610141	0	1	1
Sp4_j1	0	0.22642	0	1	1
XLOC_006537	0	0.0832924	1.79769e+308	0.203788	1
Dtnb_j1	5.75201	4.67804	-0.298162	0.0963147	0.383159
Dtnb_j9	0.93645	1.29847	0.47154	0.0301867	0.186505
Adcy3_j6	2.26491	3.12642	0	1	1
XLOC_006548	0	0.142033	1.79769e+308	0.0434579	1
Itns2_j1	2.22933	1.69182	-0.398033	0.0100638	0.0859291
Pfn4_j2	0.496823	0.128678	-1.94897	0.012127	0.0990007
BC068281_j1	0.12745	0.301601	0	1	1
BC068281	0.303166	0.246539	0	1	1
BC068281_j2	2.19882	1.77194	0	1	1
XLOC_006561	0.209974	0.303565	0	1	1
Pum2_j13	4.65608	6.22059	0	1	1
Sdc1_j6	2.2858	5.04311	1.14161	3.49E-09	2.65E-07
Fam49a_j2	0	0.587512	0	1	1
Nbas_j10	1.74161	1.49468	0	1	1
Ntsr2_j4	3.06079	1.46126	-1.06669	0.0065551	0.0625462
Nol10_j4	1.00889	2.18225	0	1	1
Odc1_j6	0.213176	0.274205	0.363207	0.614323	0.847685
Odc1_j8	0.53154	1.26424	1.25002	0.0232102	0.156066
Odc1_j9	0.904981	1.02602	0.181103	0.769612	0.921491
Odc1_j11	0.264295	0.217739	-0.279551	0.743594	0.910278
Odc1_j13	1.01287	2.13612	1.07655	0.0194176	0.138091
XLOC_006602	0	0.0984461	0	1	1
Gm10479_j1	0.596583	1.09296	0	1	1
Cpsf3_j1	0	0.398253	0	1	1
Grhl1_j3	0	0.096599	1.79769e+308	0.0127049	1
Rrm2_j2	0.0389052	0.110296	1.50334	0.393892	1
Myt1l_j1	2.01388	2.66696	0	1	1
Pxdn_j13	5.45619	6.19715	0	1	1
Cog5_j1	1.16795	1.22861	0	1	1
Nampt_j1	0.46976	0.866222	0.882815	0.003905	0.0421925
Snx13_j6	0.318618	0.373843	0	1	1
Snx13_j9	0.0535883	0.190368	0	1	1

Etv1_j1	0.385418	0.173025	-1.15545	0.341803	0.681634
G2e3_j2	0	0.0882315	1.79769e+308	0.0032609	1
Nubpl_j3	1.54587	1.456	-0.0864072	1	1
Ctage5_j7	10.0783	10.8576	0.10746	0.525396	0.800757
XLOC_006684	0.0519631	0.0914739	0.815873	0.485184	1
Fam179b_j2	5.78442	6.15175	0.0888226	0.627472	0.854629
Prpf39_j3	9.57075	9.13796	0	1	1
Klhdc1_j3	0	0.150714	0	1	1
XLOC_006699	0.0834304	0.106445	0.351469	0.7558	1
XLOC_006699	0.054088	0.151331	1.48432	0.258913	1
XLOC_006699	0.0394256	0.197104	2.32175	0.0201546	0.141606
XLOC_006699	0.114449	0.219542	0.939795	0.503458	0.787092
Atp5s_j3	2.36125	2.04729	0	1	1
Atl1_j3	0.0979901	0.105258	0	1	1
Atl1_j5	12.7041	10.8116	0	1	1
Psm3_j10	0.91043	1.52725	0.746312	0.004679	0.0482856
Arid4a_j2	0.595735	1.52684	0	1	1
Arid4a_j3	1.26384	0.836904	0	1	1
Lrrc9_j6	0.169876	0.160122	-0.0853105	0.876196	0.960645
Slc38a6_j5	0.0946998	0.159798	0.754816	0.16807	0.504739
Syt16_j3	0	0.0667953	0	1	1
Rhoj1	1.65546	2.04712	0.306361	0.280563	0.629156
Syne2_j9	0.0917195	0.0386512	-1.24671	0.353144	1
Plekhg3_j3	2.66833	2.61159	0	1	1
Plekhg3_j4	1.12241	1.32194	0	1	1
Gphn_j5	0	0.0789423	0	1	1
Mpp5_j2	1.38389	2.69027	0	1	1
Plekh1_j1	0.186676	0.241261	0	1	1
Rad51l1_j1	0.0611443	0.158006	1.36969	0.359429	0.694666
Exd2_j3	7.1316	7.64008	0.0993611	0.503895	0.787293
Srsf5_j2	0.204607	0	-1.79769e+308	0.0002713	0.0049278
Rgs6_j2	0	0.0850007	1.79769e+308	0.005582	1
Rbm25_j1	1.06517	1.37314	0.366399	0.155095	0.488311
Papln_j2	0.585655	0.407661	0	1	1
2410016O06Rik	1.43497	1.31382	-0.127247	0.612412	0.847359
Acot2_j1	0.335508	0.256045	-0.389949	0.544617	0.811629
Acot1_j1	0.0595351	0.0586926	-0.0205604	0.989935	1
Fcf1_j1	0.0347766	0.134474	1.95114	0.334213	1
Fcf1_j3	1.59704	2.06408	0.370099	0.306265	0.651655
Fcf1_j7	0.0980306	0.0744892	-0.396202	0.867444	1
Dlst_j1	34.0578	31.2331	0	1	1
Vash1_j2	0.811259	1.01875	0	1	1
Kiaa1737_j1	0.260358	0.12422	0	1	1
Tmem63c_j4	2.42306	4.24992	0	1	1
Gstz1_j1	0.0682919	0.196754	0	1	1
Adck1_j3	0.671515	0.942352	0	1	1
Nrxn3_j4	0.000143676	0.350838	11.2538	0.898603	0.967622

Nrxn3_j5	0.1021	0.237633	1.21876	0.184724	0.52511
Nrxn3_j12	0.02962	0.0624607	1.07638	0.577164	1
Nrxn3_j19	0.145919	0.813468	0	1	1
Spata7	0.251298	0.388308	0.627801	0.359774	0.695002
Tdp1_j1	1.15312	1.79991	0.642381	0.175107	0.513344
XLOC_006818	0.117628	0.190204	0	1	1
Kcnk13_j1	0	0.135353	0	1	1
Psmc1_j5	13.7383	20.02	0	1	1
XLOC_006822	0	0.159458 1.79769e+308		0.0517135	0.263703
Rin3_j3	0.0374566	0.090694	1.27579	0.190941	1
Rin3_j6	0.0734152	0.252368	1.78138	0.011355	0.0942007
Ubr7_j1	0	0.0759962 1.79769e+308		0.0384638	1
Unc79_j14	0.0928943	0.172352	0.891698	0.0481429	0.252487
Serpina3n_j3	0	0.126315	0	1	1
XLOC_006842	0.063671	0.000240772	-8.04682	0.876999	1
XLOC_006842	0	0.092048 1.79769e+308		0.0437856	1
XLOC_006842	0.0544542	0.11252	1.04707	0.373288	1
Bdkrb2_j1	0	0.484794 1.79769e+308		6.91E-07	3.01E-05
Hhip1_j4	3.76E-05	0.355276	0	1	1
Hhip1_j5	0.925776	1.46677	0	1	1
Eml1_j1	0.475939	0.166629	-1.51414	0.297278	0.643881
Evl_j2	14.3048	21.2442	0.570568	3.07E-05	0.0007902
Slc25a47_j2	0	0.0751378 1.79769e+308		0.0423283	1
Wdr25_j3	0	0.749424	0	1	1
Wdr25_j8	0	0.312317	0	1	1
XLOC_006868	0.0582948	0.104799	0.846191	0.460911	1
Ppp2r5c_j3	0.358384	0.288385	0	1	1
Ppp2r5c_j5	0	0.780374	0	1	1
Dync1h1_j2	7.14156	7.15388	0.00248661	0.978975	0.9939
Dync1h1_j8	47.9417	52.1149	0.120412	0.170632	0.507473
Wdr20a_j1	1.17052	1.70472	0.54239	0.0592378	0.286057
Wdr20a_j4	1.71851	1.81068	0.0753706	0.773302	0.923105
Zfp839_j3	0.244523	0.231698	-0.077725	0.898923	0.967647
A230065H16Rik_j1	0	0.242961 1.79769e+308		0.0486739	0.254145
1200009I06Rik_j1	0.0348281	0.0704163	1.01566	0.530448	1
Mark3_j5	1.87922	1.98811	0	1	1
Mark3_j4	6.12791	6.25502	0	1	1
Mark3_j8	5.90502	6.34615	0	1	1
Klc1_j1	0.343299	0.804068	0	1	1
Klc1_j2	3.97279	3.84608	0	1	1
Inf2_j3	5.24045	8.18923	0	1	1
Siva1	0.0386855	0.420178	3.44114	0.0756845	0.332297
Crip2_j2	0.209796	0.578349	0	1	1
4930427A07Rik_j2	0.0953793	0.200297	1.07039	0.0995732	0.390669
1110002L01Rik_j2	0.929345	0.845862	0	1	1
Efr3b_j3	0.183178	0.129204	0	1	1
Efr3b_j4	0.00081089	0.208057	0	1	1

Fkbp1b_j1	68.3808	73.1833	0	1	1
Mfsd2b_j5	0	0.0876989	0	1	1
Mfsd2b_j6	0.132399	0.0830504	0	1	1
Ubxn2a_j6	0.152872	0.10821	0	1	1
Klhl29_j3	0.119245	0.162799	0	1	1
XLOC_006939	4.34198	5.26647	0	1	1
Kcns3_j4	0	0.668903	0	1	1
Trib2_j3	0	0.0518728	0	1	1
Greb1_j1	0.829444	0.870804	0.0702028	0.820553	0.941947
Greb1_j14	0.0387095	0.0528055	0.447998	0.80364	1
Pqlc3_j1	19.774	17.0129	-0.216975	0.0828744	0.35092
AK148766_j3	0.741027	0.946529	0.353121	0.591337	0.836971
AK148766_j2	2.10203	1.94903	-0.109025	0.762388	0.918113
Itgb1bp1_j2	9.66077	10.7908	0.159595	0.335598	0.676288
Ywhaq_j3	33.0555	39.3485	0.251421	0.0110386	0.0922012
XLOC_006966	0.660367	1.02645	0.636327	0.0013648	0.0183561
XLOC_006968	0.474497	1.08484	1.19301	0.0002682	0.0048792
XLOC_006968	0	0.107796	1.79769e+308	0.0345145	1
AK163447_j3	0	0.0511359	1.79769e+308	0.0606896	1
AK163447_j4	0.752134	1.34674	0.840408	0.0004653	0.0076656
XLOC_006980	0.0815912	0.299541	1.87627	0.0054514	0.0541942
Tpo_j1	0.0659639	0.135194	1.03528	0.300404	1
Sntg2_j1	0	0.0706025	1.79769e+308	0.0496909	1
Sntg2_j5	0	0.124183	1.79769e+308	0.0428367	1
Acp1_j1	0.227144	0.309543	0.446531	0.105688	0.403795
Cbll1_j3	0	0.10367	0	1	1
Bcap29_j1	0.237215	0.41899	0.820718	0.346384	0.685483
Prkar2b_j3	0	6.4101	0	1	1
AK016682_j1	0.0372886	0.0847196	1.18396	0.385642	1
Ahr_j1	2.21382	2.68617	0	1	1
Tspan13_j2	8.27744	9.11086	0	1	1
Stxbp6_j3	0	0.943987	0	1	1
Prkd1_j2	3.26457	3.95615	0.277203	0.267634	0.616352
Strn3_j2	5.77324	4.77718	0	1	1
Strn3_j3	6.21804	5.74018	0	1	1
Hectd1_j5	2.44639	3.11763	0	1	1
Hectd1_j6	0.0570884	0.134967	0	1	1
Baz1a_j4	0.280959	0.755862	1.42776	1	1
Baz1a_j7	0.0198194	0.126148	2.67012	0.091307	1
Baz1a_j9	0.0588784	0.250136	2.0869	0.0911388	0.371144
Ralgapa1_j3	1.88599	2.13109	0.176271	0.467431	0.766717
Ralgapa1_j4	1.20834	1.0565	-0.193744	0.316232	0.660027
Sec23a_j2	6.26546	7.84697	0	1	1
Trappc6b_j1	34.7846	35.8585	0.0438647	0.730296	0.904755
AK043502_j2	0	0.0987089	1.79769e+308	0.0374477	1
C79407_j3	0	0.0602316	1.79769e+308	0.10496	1
Pole2_j1	0.0559716	0.0268632	0	1	1

Gm71_j3	0.225811	0.215859	-0.0650247	0.923358	0.97612
L2hgdh_j3	0.0731615	0.0762264	0.0592069	0.95808	1
Cdkl1_j1	0	0.0593424	1.79769e+308	0.129546	1
mKIAA1565_j7	0.0393819	0.0892564	1.18042	0.208868	1
Trim9_j3	7.84563	7.23065	0	1	1
2810055F11Rik_j1	0.368394	0.390689	0.0847733	0.792746	0.931005
Rtn1_j6	62.0746	75.4758	0	1	1
4930447C04Rik_j10	0.0270193	0.0841895	1.63965	0.259059	1
4930447C04Rik_j11	0.348449	0.113905	-1.61312	0.0196282	0.139122
4930447C04Rik_j12	0	0.183434	1.79769e+308	0.0015068	0.019802
Gphb5_j1	0	0.055245	1.79769e+308	0.102504	1
XLOC_007075	0.0547309	0.178152	0	1	1
Zbtb25_j7	0.296244	0.393182	0.408408	0.561423	0.821781
Zbtb25_j8	0.378477	0.659577	0.801334	0.197675	0.540689
Atp6v1d_j1	43.4191	49.1011	0	1	1
Tmem229b	43.3204	30.7398	0	1	1
Zfyve26_j5	3.06E-05	0.155197	0	1	1
AK145430_j2	0.0935366	0.149433	0.675894	0.26758	1
Slc8a3_j2	0.000152772	0.816386	0	1	1
Slc8a3_j3	0.408381	0.34724	0	1	1
XLOC_007106	0.165635	0.397136	1.26162	0.0059034	0.0577991
XLOC_007106	0.0627643	0.18097	1.52773	0.276093	0.624922
Numb_j3	1.09665	0.832315	0	1	1
Tmem90a_j1	0.941816	1.35653	0	1	1
Tmem90a_j2	4.21031	4.5911	0	1	1
1110018G07Rik_j2	0.0823341	0.12017	0	1	1
1110018G07Rik_j3	2.57552	1.9802	0	1	1
Pgf_j1	1.72853	1.42078	-0.282865	0.340069	0.680124
Acyp1_j3	4.09032	3.35783	-0.284684	0.443095	0.751132
Nek9_j1	1.68561	1.56197	0	1	1
Tmed10_j3	0.176386	0.0726136	0	1	1
Tmed10_j4	0.0574504	0.0282464	0	1	1
Ngb	0.236755	0.341506	0.528513	0.415205	0.733143
Tmed8_j2	4.30823	3.33563	0	1	1
Vipar_j5	13.1667	15.1073	0.198354	0.170485	0.507473
Ism2_j2	0	0.0611857	1.79769e+308	0.0576106	1
Ism2_j3	7.97E-06	0.0475927	12.5443	0.986296	1
Gtf2a1_j2	0.18829	0.628942	0	1	1
Kcnk10_j2	0.825635	0.914945	0	1	1
Ptpn21_j6	0	0.0915606	0	1	1
XLOC_007164	0.0507314	0.0476938	-0.0890766	0.959911	1
2610021K21Rik_j2	0	0.141017	1.79769e+308	0.0215262	1
2610021K21Rik_j3	0.0922923	0.177424	0.942921	0.563025	0.822342
BC002230_j3	0	0.148999	1.79769e+308	0.0020985	1
Atxn3_j1	0.113589	0.267906	0	1	1
Atxn3_j2	0	0.0754332	0	1	1
Itpk1_j5	0	0.326845	0	1	1

Asb2_j2	0	0.152416	1.79769e+308	0.0074657	1
Ddx24_j1	0.675926	1.05372		0 1	1
XLOC_007201	0	0.185822	1.79769e+308	0.0766624	0.334708
Setd3_j4	0.533669	0		0 1	1
Setd3_j5	3.39152	3.63689		0 1	1
Setd3	7.79524	7.26867		0 1	1
Degs2_j1	0	0.168631	1.79769e+308	0.0297575	0.18472
Hsp90aa1_j5	46.1929	54.7465		0 1	1
Stk30_j10	0.00394198	0.17317	5.45713	0.342893	0.682746
Stk30_j11	0.298527	0.568248	0.928661	0.115384	0.422424
Stk30_j13	0	0.15443	1.79769e+308	0.03144	1
Ankrd9_j2	0.278016	0.297024	0.0954111	0.862386	0.956421
Cdc42bpb_j3	0.452346	0.906118	0	1	1
AK080484_j1	0.686156	0.536008	-0.356281	0.422112	0.738238
Ckb_j2	102.318	115.654	0	1	1
5033406O09Rik_j4	0.111875	0.394882	1.81953	0.0212644	0.146895
Tmem179_j1	0	0.150225	0	1	1
Jag2_j4	0.511125	0.588163	0	1	1
Nudt14_j1	0.757196	0.882077	0.220239	0.640019	0.860827
Brf1_j5	2.00174	2.63864	0.398539	0.0779103	0.337954
abParts_j16	0.0634702	1.94914	0	1	1
Wdr60_j3	0.52451	0.681653	0	1	1
Itgb8_j1	3.07325	3.63239	0	1	1
2810429I04Rik_j2	0.0963471	0.115216	0.258022	0.779298	1
Gdi2_j3	52.5282	55.351	0	1	1
Asb13	5.38556	3.2408	0	1	1
Akr1c14	1.554	1.10454	-0.492545	0.0256641	0.167347
Akr1c19_j1	0.151288	0.157912	0.0618162	0.950484	0.985701
Klf6	14.2689	24.1616	0.759846	2.22E-16	5.36E-14
Pitrm1	0.951488	0.915922	0	1	1
Larp4b	13.3024	12.2328	-0.120936	0.197155	0.53985
XLOC_008072	0.247009	0.125148	-0.980923	0.553726	0.817269
Dip2c	3.58978	2.48483	-0.530749	0.0001095	0.0023259
Ero1lb	3.20084	2.15812	0	1	1
Nid1_j1	4.87278	6.40124	0	1	1
Lyst_j3	3.0752	3.57006	0	1	1
Gng4_j1	1.3592	2.17543	0	1	1
Gng4	1.62311	2.16543	0	1	1
Gng4_j2	1.9927	1.99346	0	1	1
B3galnt2	0.357383	0.3537	0	1	1
Arid4b	1.84522	1.91687	0	1	1
Arid4b	0.312127	5.32E-05	0	1	1
Arid4b_j2	0.511026	0.438567	0	1	1
Psm2	69.2236	71.145	0.0394974	0.692757	0.8862
AW209491	5.12631	4.61869	0	1	1
Vps41_j1	5.77745	2.76392	0	1	1
Vps41_j4	21.9424	23.0011	0	1	1

Amph	11.4733	9.12848	-0.329831	0.0003672	0.0063068
Sfrp4	1.831	2.00132	0.128321	0.548668	0.814279
Sfrp4_j2	0.0964059	0	-1.79769e+308	0.0597225	1
Elmo1_j1	2.43739	1.76601	-0.464843	0.0024573	0.0294354
Elmo1_j6	0.183305	0.0632855	-1.5343	0.0404877	0.225632
Elmo1	19.1177	15.2813	-0.323139	0.0009972	0.0142838
Aoah_j2	0.124225	0.0144044	-3.10836	0.169706	1
Trim27_j3	3.39621	3.32715	-0.0296369	0.871878	0.959436
Trim27	3.03453	3.83185	0.336569	0.0661838	0.307208
Zscan12	0.0975335	0.35011	1.84384	0.0002274	0.0042713
Zscan12_j1	0.263503	0.103251	-1.35167	0.0194711	0.138371
Zkscan4	0.942037	1.04521	0.149939	0.497634	0.783786
Gm11274	0.264773	0.438735	0.728597	0.100705	0.392984
Hist1h2bc	0.0653477	0.0396924	0	1	1
BC005537_j3	0.613798	0.440783	-0.477697	0.218807	0.565038
BC005537_j2	0.326465	0.371214	0.185322	0.680703	0.879921
BC005537_j1	1.21276	2.45258	1.01601	0.0001158	0.0024341
Tdp2	6.74159	5.80772	-0.215117	0.113197	0.418792
D130043K22Rik_j1	1.65679	0.961945	0	1	1
Dcdc2a_j1	0.378701	0.24038	-0.655742	0.201919	0.545319
Gm11361	97.8897	116.094	0.246065	0.0137521	0.108068
AK020728_j2	1.24044	1.40095	0	1	1
Mboat1_j1	0.501892	0.455957	-0.138477	0.798096	0.932954
Mboat1	0.359685	0.000469856	-9.5803	0.578704	0.830487
Mboat1_j3	0.478097	0.359506	-0.411288	0.437836	0.747849
Mboat1_j4	0.919635	0.84857	-0.116028	0.732908	0.905765
Agtr1a	6.27201	4.54703	-0.464003	0.0017265	0.0222194
Dusp22	15.7795	15.6777	-0.00933224	0.926125	0.977075
Dusp22_j1	0.547175	0.902736	0.722302	0.0421682	0.23207
Foxf2	0.217012	0.308056	0.505414	0.210902	0.555618
XLOC_008128	0.281562	0.245217	-0.199394	1	1
Wrnip1	6.23211	7.70417	0.305919	0.0090152	0.0792162
Serpinb9	0	0.132558	1.79769e+308	0.005089	1
Serpinb1b	12.8261	17.0232	0.408418	0.0001972	0.0037945
Psmg4	3.3375	3.73114	0.160847	0.626397	0.854124
Psmg4	6.60162	7.46808	0.177917	0.427991	0.741954
Prpf4b_j3	6.36557	5.60703	0	1	1
Prpf4b_j2	1.75689	1.2133	0	1	1
Prpf4b_j1	0.228712	0.266213	0	1	1
Cdyl	2.53221	2.30726	-0.134219	0.457279	0.760373
Fars2_j1	0.571367	0.474104	-0.269214	0.294859	0.641466
XLOC_008139	0.093417	0.0178541	-2.38743	0.243333	1
Ly86_j1	158.858	162.286	0.0308048	0.725448	0.902457
Rreb1_j1	0.0618585	0.16777	1.43944	0.0035656	0.0395332
Rreb1_j4	0.106544	0	-1.79769e+308	8.63E-07	1
Rreb1_j7	0.428655	0.419171	-0.0322768	0.924106	0.976334
Riok1	2.02913	2.05312	0.0169574	0.911546	0.972265

Snrnp48	7.50936	8.46499	0.172818	0.203229	0.547195
Snrnp48	1.50985	1.23032	-0.295374	0.441435	0.750188
Bmp6	0.808998	1.03567	0	1	1
Gm6245	8.98115	7.68224	-0.225374	0.189719	0.531612
Gcnt2_j1	9.7552	10.3718	0	1	1
Gcnt2	18.3942	18.5232	0	1	1
Pak1ip1_j2	11.2479	10.6808	0	1	1
BC024659	2.3614	1.87064	-0.336108	0.0514995	0.263163
BC024659_j1	35.5165	31.4005	-0.177698	0.0447084	0.241506
Tmem170b	3.06908	3.10345	0.0160669	0.892344	0.965882
Gm10790_j1	0.17065	0.0515192	-1.72785	0.130881	0.450454
Gm10790_j2	0.120929	0	-1.79769e+308	0.0017067	1
Hivep1	3.56824	3.20615	-0.154373	0.182831	0.523288
Hivep1_j6	2.25498	1.59242	-0.501892	0.0423561	0.232718
Phactr1	10.6577	9.4877	0	1	1
Phactr1_j2	8.67752	8.75344	0	1	1
Nol7	0.905232	0.797922	0	1	1
Rnf182	1.19049	0.478209	-1.31584	4.29E-05	0.001046
Rnf182_j3	0.43013	0	-1.79769e+308	1.11E-10	1.12E-08
AK038993_j3	0.16671	0.0641751	-1.37726	0.338975	0.679218
Cd83	0.187939	0.127812	-0.556242	0.47691	0.772482
Jarid2	1.44168	1.35245	-0.0921688	0.613152	0.847467
Jarid2_j6	1.59487	0.806226	-0.984184	0.0048979	0.0499208
Mylip	2.57302	2.61192	0.0216507	0.892041	0.965725
Gmpr_j1	1.19824	1.07602	-0.155217	0.459913	0.761686
5033430l15Rik	0.545381	1.06982	0.972033	0.0729207	0.325012
XLOC_008173	0.167439	0.142232	-0.235391	0.769305	0.921491
Cap2	2.79082	2.61049	-0.0963681	0.514308	0.793368
C78339	5.5055	5.03977	0	1	1
Kdm1b	0.499143	0.424079	-0.235122	0.361065	0.695733
Kdm1b_j3	0.36701	0.226148	-0.698554	0.257103	0.605894
Rnf144b	0.129526	0.0343491	0	1	1
Rnf144b_j1	0.73805	0.313709	0	1	1
Rnf144b	0.275237	0.63514	0	1	1
Rnf144b_j4	0.411369	0.0845097	0	1	1
Id4	15.3115	11.2824	-0.440535	9.80E-06	0.0003051
A830005F24Rik	0.837083	0.971065	0.214197	0.383806	0.71322
C030044B11Rik	2.25945	2.6338	0.221174	0.335539	0.676258
Ninj1	4.04439	4.03255	-0.0042307	0.982702	0.994705
Bicd2	8.80724	8.99553	0.0305176	0.748898	0.912691
Tes3-ps	3.61751	3.03431	-0.253628	0.125838	0.441688
Ecm2	0.235593	0.358313	0.604927	0.0733485	0.326292
Ogn	6.6895	9.64325	0.527622	9.24E-06	0.0002901
Nol8_j2	2.44557	2.10506	0	1	1
Iars	16.6998	16.0311	-0.0589588	0.529632	0.802576
Fbxw17_j1	2.65088	2.70279	0	1	1
Fbxw17	9.11011	8.46553	0	1	1

Spin1	23.3428	21.6032	0	1	1
Spin1_j2	7.33014	5.41276	0	1	1
Spin1_j3	0.832467	0.689876	0	1	1
Nxnl2_j1	0.316911	0.169986	-0.898662	0.265596	0.614482
Nxnl2	1.03809	0.4502	-1.20529	0.0218495	0.14979
Secisbp2	1.29834	1.38691	0	1	1
Gadd45g	14.9498	28.9386	0.952866	4.44E-16	1.02E-13
Sfxn1	7.60275	8.25829	0	1	1
Sfxn1_j4	2.05105	1.50261	0	1	1
Cplx2_j1	3.77967	3.12218	0	1	1
Cplx2	15.2132	10.7556	0	1	1
Cplx2_j2	9.18711	6.31785	0	1	1
Arl10	7.73598	8.73667	0.175498	0.14551	0.473431
Higd2a	30.153	34.4708	0.193076	0.0822833	0.34951
Faf2	14.0714	14.2966	0.0229084	0.802337	0.934274
Tspan17_j3	2.43465	2.65194	0.123338	0.661664	0.871766
Tspan17_j4	1.09755	0.943499	-0.218189	0.594707	0.838618
Tspan17	72.6889	96.3998	0.407295	1.73E-05	0.0004934
Tspan17_j6	41.1872	53.7994	0.385394	0.0005022	0.0081728
Unc5a_j1	1.64735	1.26211	0	1	1
Unc5a	1.64153	0.854905	0	1	1
Zfp346	1.92283	0.973189	0	1	1
Zfp346_j4	1.45886	1.56846	0	1	1
Nsd1_j3	0.0545381	0.0302617	-0.84977	0.176029	1
Grk6	24.4743	31.176	0.349168	0.0001333	0.0027261
Tmed9	38.7488	40.6567	0.069341	0.489413	0.779561
Tmed9_j3	0.778991	0 -1.79769e+308		1.27E-06	5.06E-05
B4galt7	3.93359	4.6235	0	1	1
CamI	8.77056	10.5916	0.272173	0.0597825	0.287727
Ddx46	7.40738	7.22133	-0.0366993	0.726721	0.90322
Ddx46_j1	1.04276	1.81355	0.798409	0.0004279	0.0071524
B230219D22Rik	25.8143	28.2244	0.128773	0.145823	0.473782
Txndc15	15.4594	15.2439	-0.0202543	0.843981	0.950679
Pcbd2_j1	2.19685	2.11333	-0.0559167	0.860529	0.955855
Pcbd2	8.25545	9.3821	0.184563	0.303388	0.649038
Catsper3_j2	0.167673	0.101069	-0.730315	0.546818	0.81317
Fbxl21	0.99329	0.53856	-0.883107	0.090421	0.369279
Fbxl21	0.691534	0.929481	0.426626	0.0469923	0.24858
Fbxl21_j1	0.354757	0.303834	-0.223549	0.561748	0.821809
Tgfb1	5.68151	9.45098	0	1	1
Smad5	1.15752	1.17808	0	1	1
Smad5	0.62968	0.570057	0	1	1
Smad5	0.273887	9.61E-05	0	1	1
5133401N09Rik	4.07685	3.95487	-0.0438237	0.740793	0.909129
Ntrk2_j3	8.25345	6.17004	0	1	1
Ntrk2_j4	4.21507	4.91862	0	1	1
Naa35_j1	10.0388	10.2569	0.0310052	0.820837	0.94203

Naa35	1.8594	1.92958	0.0534463	0.762765	0.918318
Dapk1_j1	0.213495	0.186756	0	1	1
XLOC_008247	0.256875	0.268935	0.0661862	0.945603	0.983787
XLOC_008251	0.864372	0.807027	0	1	1
apo	4.96617	7.29721	0	1	1
0610007P08Rik	0.48558	0.374974	0	1	1
Habp4	47.9522	46.5306	-0.0434182	0.620805	0.851388
Cdk20	0.266697	0.248162	-0.103922	0.802902	0.934497
Zfp369_j4	0.222471	0 -1.79769e+308		1.83E-12	2.51E-10
Ptdss1	7.81454	8.46511	0.115368	0.260811	0.609635
Zfp759	0.117287	0.0270613	-2.11573	0.0905858	1
Zfp493	0.409541	0.362601	-0.175625	0.54612	0.812874
Zfp273	0.563892	0.296638	-0.926717	0.0376837	0.215476
Zfp273	0.796154	0.285951	-1.47728	0.0009046	0.0132118
BC100427_j2	0.66129	0.19715	-1.74599	0.0241214	0.160269
Fastkd3	0.438082	0.449647	0.0375925	0.917631	0.974336
Fastkd3	1.87916	1.99254	0.0845237	0.798559	0.933125
Fastkd3	2.36016	2.12485	-0.151523	0.473453	0.770096
1700001L19Rik	0.486749	0.575056	0.240522	0.506274	0.788746
1700001L19Rik_j3	1.03679	0.378169	-1.45502	0.107293	0.407129
Nsun2	20.4963	21.3041	0	1	1
Lpcat1_j1	1.5675	0.955254	0	1	1
Lpcat1	5.42959	6.53084	0	1	1
Clptm1l	23.5347	24.781	0.0744446	0.469195	0.767425
Clptm1l_j1	7.11575	7.70657	0.115073	0.563063	0.822343
Slc12a7_j1	1.57363	1.04013	0	1	1
Slc12a7	2.82098	2.71313	0	1	1
Brd9	2.92181	3.58289	0	1	1
Brd9	11.192	11.7907	0	1	1
Tppp	0.755701	0.376045	0	1	1
Tppp_j2	2.0414	1.29932	0	1	1
Tppp_j3	0.453745	1.02581	0	1	1
Slc9a3_j5	0.296176	0.291633	-0.0222983	0.955755	0.987317
Ccdc127	7.03455	6.49646	0	1	1
Erap1	2.6432	2.25587	0	1	1
Pcsk1	16.8669	15.9801	-0.077921	0.403974	0.72656
Ell2	4.23474	4.78011	0	1	1
Glrx	23.7517	24.0133	0.0157983	0.883548	0.963043
Ttc37_j4	1.84034	1.3678	0	1	1
XLOC_008300	0.153867	0.1147	-0.423812	0.722126	0.900975
Mctp1_j4	0.814352	0.560933	-0.537825	0.0805683	0.345417
Mctp1_j5	5.92467	4.17414	-0.505256	2.25E-05	0.0006107
2210408I21Rik_j1	0.103545	0	0	1	1
Fam172a_j2	1.16076	1.88191	0	1	1
Fam172a	2.35785	2.09313	0	1	1
Fam172a	2.34861	2.24667	0	1	1
Fam172a_j3	0.29779	0	0	1	1

AK044036_j1	0.492918	0.421288	0	1	1
AK044036_j2	0.599403	0.609539	0	1	1
Arrdc3	3.40282	2.68782	0	1	1
Arrdc3_j1	1.72378	3.00117	0	1	1
9330111N05Rik_j1	0.121003	0 -1.79769e+308	0.0127361		1
Mblac2	3.00055	2.80694	0	1	1
Cetn3	2.83213	3.21185	0.181517	0.226769	0.573866
Cetn3_j4	28.1842	33.1048	0.232156	0.0858729	0.357711
Mef2c_j3	0.883653	0.737207	0	1	1
C130071C03Rik_j1	0.0730603	0 -1.79769e+308	0.0074412		1
C130071C03Rik_j3	0.143281	0 -1.79769e+308	0.0002517	0.0046481	
C130071C03Rik_j4	0.0571726	0.293732	2.36111	0.0017857	0.0228208
2810049E08Rik_j1	0.066182	0.039602	-0.740864	0.730381	1
2810049E08Rik_j2	0.320498	0.227037	-0.497386	0.368849	0.702119
Tmem161b	0.785629	0.375818	0	1	1
Ccnh	0.693395	0.603151	0	1	1
Edil3	41.3105	33.7717	0	1	1
Edil3_j4	0.602988	0	0	1	1
Hapln1_j2	5.79662	2.87742	-1.01044	2.89E-15	5.91E-13
Tmem167	5.81779	5.38284	-0.112104	0.244401	0.592004
Dhfr	0.960582	0.830095	0	1	1
Ankrd34b	0.392602	0.215638	-0.864453	0.032894	0.197493
Ankrd34b	0.169998	0.0328569	-2.37125	0.0308483	0.189256
Ankrd34b_j2	0.278026	0.0209432	-3.73067	0.0074501	0.0690312
Serinc5	9.05007	8.84918	0	1	1
Serinc5_j3	5.58965	5.04	0	1	1
Mtx3	4.83223	3.29447	0	1	1
Homer1	2.34333	1.92906	-0.280667	0.0707462	0.319729
Arsb	2.60147	2.46391	-0.0783752	0.644979	0.863026
Lhfp12_j2	0.987854	0.518223	0	1	1
Ap3b1	0.926138	0.984903	0.0887545	0.703676	0.891515
Tbca_j4	0.56812	0.274638	0	1	1
Zbed3	0.835951	0.917204	0.133823	0.670738	0.875476
F2rl2	5.18479	4.76222	-0.122651	0.265523	0.614392
Poc5	6.42283	5.65567	-0.183511	0.0928444	0.374785
Col4a3bp	12.9289	10.3415	0	1	1
Gcnt4	0.152081	0.47276	1.63627	2.71E-05	0.0007087
Gcnt4_j3	0.110392	0.0438768	-1.3311	0.130012	1
Fam169a	3.4153	2.62853	0	1	1
Fam169a_j1	1.84839	1.77673	0	1	1
Gfm2_j3	0.0367203	0.0501012	0	1	1
Enc1	2.41773	2.75281	0.187253	0.173094	0.510747
XLOC_008345	0.0979549	0.0405019	-1.27413	0.56395	1
Ankra2	1.84061	1.57028	-0.229159	0.480465	0.774251
Ankra2	7.81967	9.35731	0.258986	0.0592975	0.286271
Gm9828	0.16448	0.172813	0.0712966	0.918991	0.974676
Gm9828_j3	0.306287	0.132921	-1.20432	0.178346	0.517853

XLOC_008350	0.147744	0.0493627	-1.58161	0.0644973	0.301823
Mrps27	13.7445	14.6271	0	1	1
Serf1	24.5483	25.3804	0.0480923	0.718304	0.898622
Smn1	5.70338	5.84314	0.0349284	0.846664	0.951509
Taf9	3.73527	2.92967	0	1	1
Taf9	7.02704	7.55758	0	1	1
Taf9	3.70611	2.81836	0	1	1
Taf9_j3	2.86696	3.11123	0	1	1
XLOC_008359	0.0997034	0.055343	-0.849242	0.402298	1
Sgtb	1.62742	1.57838	0	1	1
Trim23_j1	9.14436	8.18181	0	1	1
Cenpk_j1	0.381302	0.410075	0	1	1
Adamts6_j2	0.16437	0.0462558	-1.82924	0.117818	0.427133
Srek1ip1	3.20084	2.99731	-0.0947826	0.564369	0.823289
Htr1a	0.595201	0.379989	-0.64742	0.0396112	0.2224
Dimt1_j1	0.578842	0.522008	0	1	1
Dimt1_j6	0.187937	0.0503492	0	1	1
3830408C21Rik_j7	0.0986957	0 -1.79769e+308	0.0236485		1
3830408C21Rik_j9	0.0963426	0.035169	-1.45387	0.2276	1
3830408C21Rik_j11	0.147747	0.0191481	-2.94786	0.194425	0.536757
2810008M24Rik	10.745	12.4158	0	1	1
Elovl7_j5	6.81168	10.502	0	1	1
Pde4d_j1	1.47501	0.989328	0	1	1
Pde4d	1.30035	1.00749	0	1	1
Pde4d	2.00163	1.17278	0	1	1
Plk2	9.61612	8.83107	-0.122867	0.264542	0.613354
Mier3	1.58655	1.7783	0	1	1
Ankrd55_j1	1.60986	1.24365	-0.37235	0.179481	0.519116
Ankrd55	4.27182	3.35019	-0.350608	0.0335391	0.200138
Il6st	4.76054	4.76499	0	1	1
Ppap2a	23.0549	18.0782	0	1	1
Ppap2a	5.45303	5.04324	0	1	1
Ppap2a_j2	15.3438	12.0676	0	1	1
Dhx29	7.10115	6.95418	0	1	1
Ccno	0.163001	0.265087	0.701591	0.258452	0.60721
Esm1	0.392314	0.189179	-1.05226	0.0114092	0.0945204
BC067074_j2	0.788664	0.754924	-0.0630805	0.716625	0.897704
Arl15	0.379059	0.283059	0	1	1
Mocs2_j1	0.206657	0.367085	0.828872	0.390194	0.717194
Mocs2_j3	0.476198	0.296704	-0.682537	0.468707	0.767193
Mocs2	3.22784	3.87071	0.262029	0.425276	0.740539
Emb_j1	51.4828	47.5191	-0.115584	0.266585	0.615602
Emb_j2	27.5558	26.2705	-0.0689128	0.558013	0.819821
Emb	36.1997	31.992	-0.178264	0.0386885	0.219137
Hcn1	1.72652	1.24868	-0.467471	0.001057	0.0149125
Paip1_j1	18.7996	17.3962	-0.111927	0.297637	0.64423
Paip1_j3	4.51366	5.77402	0.355277	0.102206	0.396215

4833420G17Rik	3.37203	3.13542	0	1	1
4833420G17Rik_j2	0.0794222	0.109131	0	1	1
Gm7120_j1	0.688787	0.760736	0.143338	0.679376	0.879493
Gm7120	9.92732	7.89675	-0.330146	0.0421519	0.23204
XLOC_008407	1.82987	1.62742	-0.169152	0.607809	0.845351
Net1_j1	2.74139	3.61676	0.39979	0.013156	0.104906
Akr1e1	2.34067	2.21497	-0.0796334	0.612743	0.847359
Pfkip	34.2335	29.9729	0	1	1
Wdr37	4.5878	4.84586	0	1	1
Wdr37	3.39073	3.04048	0	1	1
Gtpbp4	9.15964	7.98829	-0.197404	0.118696	0.428709
Zmynd11_j10	1.85273	0.467501	0	1	1
Chrm3	0.21776	0.458647	1.07464	0.0038962	0.0421181
Ryr2_j2	0.901418	0.485586	-0.89247	0.0033211	0.0373318
Ryr2_j7	0.34711	0 -1.79769e+308		2.85E-29	9.40E-27
Mtr_j3	0.0749835	0.0313169	-1.25963	0.148115	1
Mtr	1.98267	1.83801	-0.1093	0.445297	0.752905
Actn2_j7	0.166319	0.586193	1.81742	0.0003502	0.0060582
Lgals8	23.8187	25.3451	0	1	1
Lgals8	16.893	15.3858	0	1	1
Gpr137b-ps	3.71007	3.57776	-0.0523896	0.661425	0.871676
Gpr137b-ps_j1	0.994452	1.35135	0.442428	0.0181684	0.131811
Gpr137b	2.45052	1.77872	0	1	1
Hecw1_j4	1.05725	0.475108	0	1	1
Hecw1	2.4042	1.63728	0	1	1
Mrpl32	5.68871	5.77852	0.0225982	0.862413	0.956422
Cdk13	0.320966	0.328781	0.0347039	0.900375	0.968327
Rala	17.4882	17.2803	0	1	1
Stard3nl	66.3668	68.6562	0.048929	0.594935	0.838618
Epdr1	72.7436	66.5289	0	1	1
Zkscan3	2.15053	2.34818	0	1	1
Zkscan3_j1	0.307447	0.261813	0	1	1
Pgbd1_j1	0.317074	0.310339	-0.0309735	0.949599	0.985371
Nkapl	0.185221	0.178862	-0.0503964	0.916467	0.973929
Zfp389	0.508395	0.413972	-0.296418	0.444264	0.752066
Zfp192_j1	0.25647	6.53E-05	0	1	1
Zfp192	1.0839	1.03634	0	1	1
Zfp322a	0.829843	1.00771	0	1	1
Zfp322a	3.02653	2.60884	0	1	1
Abt1	8.17561	8.32144	0.0255067	0.858188	0.954952
Hist1h2be	1.62051	1.04361	0	1	1
Hfe	1.47529	2.14668	0.541114	0.0022233	0.0270913
Hfe_j1	0.551612	0.445255	-0.30902	0.411668	0.730802
Scgn	0.598359	0.915652	0.613789	0.0736352	0.327003
Lrrc16a_j1	0.142467	0.0397302	-1.84232	0.0321191	0.194416
Lrrc16a	0.885529	0.876127	-0.0153996	0.947008	0.984332
Gmnn	2.95835	3.40792	0.204097	0.339256	0.679562

Mrs2	11.4723	10.7447	0	1	1
Nrsn1_j1	0.952918	0	0	1	1
Nrsn1	15.7035	11.8885	0	1	1
XLOC_008472	0.101137	0 -1.79769e+308		2.63E-05	1
XLOC_008472	0.231538	0.108998	-1.08695	0.0226516	0.153603
XLOC_008473	0.269857	0.0284627	-3.24505	0.113749	0.419374
BC025054_j6	0.195237	0.209827	0.103972	0.805186	0.935575
BC025054_j5	0.240773	7.66E-05	-11.6182	0.806593	0.936053
Cdkal1_j3	0.542427	0.181508	-1.5794	0.0188943	0.135576
Cdkal1	2.23074	2.27243	0.0267163	0.886212	0.963821
E2f3_j3	0.536181	0.476925	0	1	1
E2f3_j1	2.46424	1.43181	0	1	1
Uqcrfs1	91.2605	84.3146	-0.114207	0.206313	0.550784
Exoc2	5.65656	4.99307	0	1	1
Serpinb1a_j3	0.674473	1.20154	0.833056	0.0399717	0.223713
Serpinb6a_j1	0.642292	0.553321	0	1	1
Serpinb6a_j4	91.4122	113.344	0	1	1
Serpinb6a_j12	0.0552741	0	0	1	1
Tubb2a	234.168	353.05	0	1	1
Tubb2a_j4	1.33092	1.88116	0	1	1
Tubb2b	207.567	355.045	0	1	1
Slc22a23	9.21969	12.5107	0.440378	2.58E-06	9.50E-05
Slc22a23_j1	2.06554	2.64523	0.356875	0.0174529	0.128101
1300014I06Rik	1.42552	2.34546	0	1	1
Peci_j4	3.93535	3.46747	0	1	1
Peci	9.08546	8.72575	0	1	1
Peci	4.14998	3.20667	0	1	1
Rpp40	1.22515	1.27069	0.0526462	0.817809	0.940908
Lym4	14.8649	13.0891	-0.183537	0.201972	0.545319
Nrn1	108.333	63.6629	0	1	1
Nrn1_j2	154.484	134.427	0	1	1
F13a1	1.15041	2.16817	0.914325	2.49E-08	1.60E-06
Ssr1	17.6016	18.2918	0.0554855	0.665336	0.873092
Ssr1_j1	6.08861	5.64252	-0.109773	0.29336	0.640286
Cage1_j1	0.493526	0.462061	-0.0950436	0.69897	0.889085
Txndc5	20.9106	20.3131	0	1	1
Muted	11.586	10.7779	-0.104305	0.391282	0.717886
Eef1e1	26.4343	28.5674	0.111956	0.318963	0.662268
Slc35b3_j1	1.49473	1.82114	0.284952	0.373985	0.706793
Slc35b3	3.19527	2.86548	-0.15716	0.47665	0.772215
Slc35b3	0.212842	0.286768	0.430096	0.468154	0.766788
Slc35b3_j6	1.88544	1.38301	-0.447085	0.15394	0.486815
Tcfap2a	0.178211	0.108959	-0.709799	0.223718	0.570953
AK043285_j3	15.2433	20.5225	0	1	1
Elovl2_j1	0.655866	0.595884	-0.138369	0.679412	0.879493
Elovl2	2.81782	2.12776	-0.405245	0.0160236	0.120477
Nedd9_j1	0.668893	0.577718	0	1	1

Nedd9	2.12323	1.66604	0	1	1
9530008L14Rik	0.28411	0.353601	0.315674	0.517877	0.796002
9530008L14Rik_j2	0.237546	0	-1.79769e+308	0.0019827	0.0248178
Tbc1d7	16.3655	15.0902	-0.117045	0.362999	0.697185
Tbc1d7	7.39324	6.07712	-0.28282	0.140183	0.465682
Gfod1	1.98729	1.45889	0	1	1
Ranbp9_j1	6.38007	6.12028	0	1	1
Ranbp9	14.5816	12.1886	0	1	1
Ccdc90a	3.21444	3.02873	-0.0858536	0.55347	0.817249
Dtnbp1_j1	11.9189	19.1869	0.686869	8.53E-05	0.0018707
Dtnbp1	19.2976	33.0354	0.77559	3.00E-12	3.98E-10
Nup153_j1	2.07637	2.83467	0	1	1
Nup153	4.42409	3.92728	0	1	1
Kif13a_j11	0.434418	0.536547	0	1	1
Kif13a_j9	0.89556	0.516485	0	1	1
Nhlrc1	5.06752	5.27068	0.0567097	0.684193	0.881956
Tpmt_j1	0.37004	0	-1.79769e+308	3.66E-05	0.0009156
Tpmt	0.599791	0.498949	-0.265566	0.520034	0.797682
Dek	1.01394	0.837067	-0.27656	0.291535	0.638573
Zfp169	0.264122	0.172472	0	1	1
Zfp169_j1	0.811352	0.166357	0	1	1
Ptpdc1_j3	2.651	3.20784	0	1	1
Ptpdc1	4.09221	3.9011	0	1	1
Phf2	3.83462	4.04836	0.0782566	0.52969	0.802619
Fam120a_j2	0.0652053	0	-1.79769e+308	0.0337486	1
Fam120a	25.3784	23.2391	-0.127049	0.157957	0.49215
Wnk2_j2	3.85635	3.23099	0	1	1
Wnk2_j3	5.4599	3.83848	0	1	1
1110007C09Rik_j4	27.4336	32.4681	0	1	1
1110007C09Rik	17.9683	29.6921	0	1	1
1110007C09Rik_j3	27.7894	28.6379	0	1	1
Susd3_j2	0.23013	0.157216	-0.549703	0.540852	0.809067
Susd3	0.235302	0.266154	0.177747	0.79137	0.930476
Shc3_j2	0.0939585	0	0	1	1
Shc3_j1	0.875195	0.497206	0	1	1
Shc3_j3	0.255764	0.359271	0	1	1
Shc3	0.549087	0.407787	0	1	1
Sema4d_j5	1.90881	2.78824	0	1	1
Diras2	3.15191	3.24681	0	1	1
Diras2_j1	7.29149	7.50516	0	1	1
Auh	21.3123	18.3696	0	1	1
Nfil3	3.08436	3.81373	0	1	1
Ror2_j5	0.64661	1.49252	0	1	1
Ror2_j6	0.337261	7.16E-05	0	1	1
Ror2	0.41536	0.258444	0	1	1
Sptlc1	9.66838	9.6032	-0.00975788	0.936359	0.980443
Thoc3	13.5059	13.2734	-0.0250529	0.816466	0.940246

XLOC_008555	4.26839	5.88338	0.462954	0.0582746	0.283399
4833439L19Rik_j5	0.198211	0.0265593	0	1	1
4833439L19Rik	1.78218	1.81958	0	1	1
4833439L19Rik_j6	0.405296	0.316131	0	1	1
Nop16_j1	10.515	10.8441	0.0444659	0.733025	0.905803
Cltb_j3	38.111	56.675	0	1	1
Cltb	66.0859	80.2904	0	1	1
Rnf44_j1	0.942372	0.779727	0	1	1
Rnf44	3.65784	2.28789	0	1	1
Rnf44_j4	0.129578	0.0729022	0	1	1
Gprin1	0.870497	0.864975	0	1	1
Gprin1	0.372456	0.672964	0	1	1
Sncb_j1	0.627723	0.224083	-1.48609	0.04319	0.235837
Uimc1	0.690275	0.35633	-0.953955	0.085259	0.356401
Uimc1	3.10781	3.01473	-0.0438668	0.801994	0.934238
Rab24	5.73439	6.06951	0.081939	0.391168	0.717835
Lman2	14.4786	14.1889	-0.0291652	0.757292	0.916321
Dbn1_j2	5.65408	7.54173	0	1	1
Dbn1	17.9317	23.3445	0	1	1
Pdlim7_j4	0	1.67122	1.79769e+308	4.07E-13	6.17E-11
Pdlim7_j6	5.12301	4.74971	-0.109154	0.437198	0.747542
Pdlim7_j7	0.10651	2.34031	4.45764	0	0
Pdlim7_j11	1.69284	1.50584	-0.168878	0.736004	0.907116
Fam193b_j7	5.22302	6.35448	0	1	1
Fam193b	4.18684	3.57939	0	1	1
Fam193b_j8	0.15126	0.19618	0	1	1
H2afy	8.38196	11.1607	0	1	1
H2afy	5.02259	5.17591	0	1	1
H2afy	5.04675	4.43457	0	1	1
Tifab	0.157601	0.281179	0.835218	0.0723217	0.323621
Tifab	0.288597	0.283987	-0.0232331	0.949639	0.985371
Cxcl14	0.299018	0.37442	0.324424	0.448055	0.754671
Trp7_j2	0.157561	0.00123157	-6.99927	0.397077	0.7215
Trp7_j1	0.107566	0.119786	0.15525	0.862781	1
Trpc7	0.214992	0.0693484	-1.63235	0.0411651	0.228129
Spock1_j2	12.9744	13.896	0	1	1
Spock1	41.6882	29.6822	0	1	1
Klhl3_j7	0.495934	0.142472	-1.79946	8.50E-05	0.0018666
Hnrnpa0	30.2414	31.5711	0.0620774	0.506252	0.788746
Ubqln1	40.3619	39.7661	0	1	1
Ubqln1	25.1786	25.1582	0	1	1
Gkap1_j2	5.04697	5.07417	0.0077527	0.968194	0.991026
Gkap1_j3	1.83995	1.89349	0.0413801	0.885399	0.963679
2210016F16Rik	3.5109	4.05525	0.207952	0.120668	0.43269
Hnrnpk_j2	0.408823	0.388674	0	1	1
XLOC_008588	0.109181	0.0522277	-1.06383	0.545487	1
Agtbbp1_j3	0.0774441	0.0438253	-0.821391	0.44668	1

Agtpbp1_j8	2.10004	1.03616	-1.01917	6.31E-05	0.0014558
Agtpbp1_j9	0.381161	0	-1.79769e+308	5.58E-10	4.87E-08
Zcchc6_j1	0.378719	0.424861	0	1	1
Zcchc6_j3	3.35988	2.92853	0	1	1
Zcchc6_j2	0.949373	1.16036	0	1	1
Ctla2a_j3	0.479886	0.313559	-0.613953	0.662238	0.871885
Ctla2a	0.899777	1.42773	0.666079	0.0613085	0.292348
Zfp935_j1	1.58736	0.739098	0	1	1
XLOC_008605	3.66941	3.61774	-0.0204584	0.91507	0.973508
Fbp2	1.6548	1.42499	-0.215701	0.353153	0.689667
Fbp1	1.21236	1.35082	0.156021	0.59541	0.838859
Fbp1_j3	0.453957	0.22354	-1.02203	0.17495	0.513197
XLOC_008607	0.144044	0.0390185	-1.88428	0.533635	0.805224
XLOC_008608	0.0992321	0	-1.79769e+308	0.0153566	1
Ptch1_j2	0.0445603	0.242025	0	1	1
Ptch1_j1	1.13628	0.594983	0	1	1
Ptch1_j4	0.935807	1.3627	0	1	1
Slc35d2_j10	0.440097	0.243199	-0.855683	0.0893176	0.36636
Slc35d2	0.716241	0.671945	-0.0921009	0.801275	0.933741
Slc35d2_j9	0.326634	0.370337	0.181162	0.7354	0.906746
Zfp367_j1	1.32237	6.09981	0	1	1
Zfp367_j2	3.11937	1.53166	0	1	1
Zfp367_j3	4.61524	4.17864	0	1	1
Zfp367	1.02487	1.94257	0	1	1
Cdc14b_j6	0.160414	0.184665	0	1	1
1110018J18Rik	7.54856	7.76058	0.0399621	0.735879	0.907056
Ctsl_j2	278.352	344.834	0	1	1
Ctsl	142.991	152.138	0	1	1
Cntnap3	0.258754	0.215893	-0.261261	0.415679	0.733395
Hiatl1	10.1359	8.67043	-0.225298	0.0505262	0.260181
Mterfd1	6.00388	6.45845	0.105294	0.454056	0.758413
Zfp712	0.451688	0.502225	0.153007	0.642271	0.862006
Zfp712_j2	0.175967	0.283913	0.690144	0.19317	0.535528
Zfp708	0.589937	0.635113	0.106452	0.772471	0.922818
Zfp708_j4	0.720313	0.460873	-0.644255	0.134104	0.455829
Zfp595_j1	0.193061	0.0362768	-2.41194	0.0114643	0.0947661
Zfp85-rs1_j1	0.606335	0.476242	-0.348421	0.14321	0.470211
Mtrr_j2	1.70071	1.54819	-0.135558	0.521139	0.798005
Mtrr	0.578457	0.514518	-0.168988	0.62918	0.855844
Mtrr	0.217557	0.389899	0.841708	0.0611957	0.291953
Adcy2	8.50967	7.39599	0	1	1
Ube2ql1_j1	26.488	27.7724	0.068312	0.546952	0.813293
Ube2ql1	21.3309	19.8819	-0.101489	0.31658	0.660102
BC018507_j1	6.55684	6.81382	0	1	1
BC018507_j2	0.532688	0.270688	0	1	1
BC018507_j3	3.10172	3.02087	0	1	1
Adamts16_j3	0.264662	0.000105675	-11.2903	0.916342	0.973929

Ndufs6	2.37707	2.81953	0.246274	0.51774	0.795966
Slc6a19_j1	7.86891	9.05041	0	1	1
Nkd2	0.859362	0.497736	-0.787884	0.0025868	0.0306619
Trip13_j1	0.0740366	0 -1.79769e+308		0.0268199	1
Gm6263	16.1732	17.7122	0	1	1
Cep72_j1	0.188382	0.0601829	-1.64624	0.128469	0.446769
Exoc3_j2	5.3018	5.33611	0	1	1
Exoc3	3.8037	2.46452	0	1	1
Ahrr_j7	0.0733391	0 -1.79769e+308		0.0013677	1
Ahrr	0.224303	0.271546	0.275746	0.485387	0.777011
Pdcd6_j1	9.14406	10.0885	0.141808	0.377949	0.709577
Pdcd6	20.4404	23.3607	0.192659	0.0996657	0.390857
Sdha	62.4577	51.5602	0	1	1
Zfp72_j2	0.528168	0.409636	-0.366653	0.307099	0.652144
Zfp72_j1	1.18529	1.20427	0.0229219	0.91239	0.972389
XLOC_008659	0.0585815	0.164153	1.48652	0.100882	0.393239
XLOC_008659	0.140442	0 -1.79769e+308		0.000168	0.0033202
Cast	11.1171	8.73086	0	1	1
Rhobtb3	0.826799	0.667968	0	1	1
Gm15528	1.6497	1.76898	0	1	1
Rfesd	1.55435	1.55577	0.00131601	0.994603	0.998455
Rfesd	0.479958	0.442076	-0.118614	0.741322	0.909259
Arsk_j5	0.323162	0.143005	-1.17619	0.0762322	0.333565
Arsk	0.881236	0.894306	0.0212397	0.937796	0.980993
Ankrd32_j3	0.461407	0.342162	0	1	1
Ankrd32	0.900367	0.317396	0	1	1
Nr2f1_j2	2.96376	0.283456	0	1	1
Nr2f1	3.72299	3.61637	0	1	1
Polr3g_j1	21.7951	17.4832	0	1	1
Polr3g	11.5447	9.04095	0	1	1
Rasa1_j1	4.07437	3.36386	0	1	1
Rasa1	3.02178	2.38477	0	1	1
Cox7c_j2	0.812043	0.953876	0.232245	0.524645	0.800245
Cox7c_j1	0.93035	0.958696	0.0432996	0.905683	0.969999
Xrcc4_j2	0.984039	0.430494	-1.19272	0.0238423	0.158978
Xrcc4	2.90184	3.75312	0.371124	0.0653994	0.30477
Xrcc4_j3	0.448152	0 -1.79769e+308		0.0001685	0.0033242
Atp6ap1l	3.32987	1.98511	-0.746249	0.0020647	0.0256313
Atg10_j2	0.089918	0 -1.79769e+308		0.0567325	1
Atg10_j3	0.225527	0.0771274	-1.54798	0.197015	0.539845
Zcchc9	3.98859	4.46782	0.163691	0.323896	0.666968
Rasgrf2_j3	0.163368	0.260201	0	1	1
Rasgrf2_j4	1.89207	2.80946	0	1	1
Msh3_j5	0.71432	0.109491	0	1	1
Msh3	0.10385	0.282049	0	1	1
Fam151b	0.263248	0.185756	-0.503013	0.451529	0.756717
Fam151b	0.965201	0.901728	-0.0981373	0.71389	0.896298

Zfyve16	0.545442	0.593585	0.122029	0.578179	0.830224
Papd4_j2	0.22355	0.221947	-0.0103805	0.977675	0.993558
Papd4_j5	0.112616	0.119336	0.0836093	0.939465	1
Papd4_j7	0.181765	0.128088	-0.504936	0.681023	0.880114
Jmy	5.17492	4.65459	-0.152881	0.137977	0.461744
Scamp1_j2	0.357519	0.07816	0	1	1
Scamp1	32.5872	24.6294	0	1	1
Pde8b_j7	0.541724	0.546182	0	1	1
Pde8b_j6	1.50805	1.51652	0	1	1
Aggf1	4.9036	4.63431	-0.0814879	0.550798	0.815552
F2rl1	0.221603	0.189396	-0.226571	0.669079	0.874746
F2r	5.89956	3.28325	-0.845485	2.72E-10	2.52E-08
lqgap2_j4	0.0641885	0.0185838	-1.78827	0.197491	1
lqgap2	0.564367	0.481994	-0.227618	0.364985	0.698835
Sv2c_j1	7.88897	4.78162	0	1	1
Sv2c	3.16226	2.67953	0	1	1
Hmgcr_j3	2.09521	0	0	1	1
Hmgcr	14.0307	13.5209	0	1	1
Gm6169	13.7717	18.8423	0	1	1
Nsa2_j2	0.278288	0.722176	0	1	1
Hexb	5.49365	5.48351	0	1	1
Utp15	4.36916	4.3828	0.00449407	0.972108	0.991962
Btf3	1.36168	2.14938	0.658531	0.0062264	0.0602899
Fcho2_j3	0.984419	0.849735	0	1	1
Tnpo1_j1	0.46938	0.207974	-1.17435	0.0892518	0.366263
Ptcd2_j1	5.69194	6.14131	0	1	1
Ptcd2_j2	5.69194	6.14131	0	1	1
Ptcd2	8.10242	6.10522	0	1	1
Mtap1b	134.314	0	0	1	1
Mccc2	5.55831	3.72324	-0.578087	0.0004363	0.0072568
Bdp1_j8	0.0683069	0.0173443	-1.97757	0.0498286	1
Bdp1_j6	0.0660967	0 -1.79769e+308		1.45E-05	1
Naip1_j1	0.242821	0.163695	-0.56888	0.348385	0.686685
Gtf2h2_j1	5.50416	3.72539	0	1	1
Gtf2h2_j2	3.11169	4.0738	0	1	1
Ocln	0.172305	0.107522	-0.680328	0.298062	0.644674
Marveld2	0.28053	0.102225	-1.45641	0.0330141	0.197926
Marveld2_j2	0.082355	0.0784574	-0.0699454	0.940976	1
Rad17	1.1641	0.815458	0	1	1
Cdk7	6.15744	5.13308	-0.262506	0.007574	0.0698605
Cenph	0.599071	0.535842	-0.160921	0.64402	0.862786
Pik3r1_j3	8.05336	7.23051	0	1	1
Pik3r1_j4	0.075395	0	0	1	1
XLOC_008740	0.289741	0 -1.79769e+308		0.0166146	0.123756
Mast4_j5	0.238321	0.0495885	0	1	1
Mast4_j4	0.0597222	0	0	1	1
Mast4_j6	0.187804	0	0	1	1

Srsf12_j1	1.96592	1.55022	0	1	1
Srsf12_j4	0.914673	0.821307	0	1	1
Srsf12_j3	1.09907	0.914371	0	1	1
Erb2ip_j2	1.12012	1.03544	0	1	1
Erb2ip	1.50331	1.36413	0	1	1
Nln_j3	0.15901	0.176867	0.153546	0.792295	0.930793
Nln	1.95303	2.59443	0.409702	0.0095055	0.0824333
2410002O22Rik	0.432239	1.08479	0	1	1
2410002O22Rik	9.29047	9.09789	0	1	1
Ppwd1	0.916566	0.863192	0	1	1
Cwc27	6.04339	6.25977	0.05075	0.709958	0.894313
Rgs7bp_j4	0.0963469	0	0	1	1
Rgs7bp	18.7691	13.6019	0	1	1
Rnf180	2.39877	2.1727	0	1	1
Rnf180	1.04941	0.666275	0	1	1
Ipo11	0.616566	0.472706	0	1	1
Ipo11	5.83568	4.74125	0	1	1
Ipo11_j1	5.32541	4.97921	0	1	1
Kif2a_j5	6.16016	5.32459	0	1	1
Kif2a_j3	13.7336	12.4718	0	1	1
Zswim6	7.56882	6.56892	-0.204413	0.0635277	0.298841
Rab3c_j2	0.70962	0.00113008	0	1	1
Rab3c	24.003	20.0016	0	1	1
Gm5455	0.44365	0.518778	0.225694	0.527871	0.801781
Gbbp1_j4	0.176651	0.139866	0	1	1
Gbbp1	0.554024	0.963712	0	1	1
Gbbp1	6.92195	5.22111	0	1	1
Map3k1_j3	1.30632	0.815188	0	1	1
Map3k1_j4	1.07279	1.04559	0	1	1
Il31ra_j4	0.817133	0.557564	0	1	1
Ddx4_j2	0.261763	0.147552	-0.827037	0.436742	0.747288
Ddx4	0.358436	0.28293	-0.341271	0.39901	0.72264
Ddx4_j3	0.16995	0 -1.79769e+308		7.71E-05	0.001717
Skiv2l2	1.45754	1.19825	0	1	1
Gpx8_j1	1.64893	1.75173	0.0872456	0.799381	0.933125
Gpx8	6.70118	7.60091	0.181757	0.247871	0.595123
Snx18_j1	0.574761	0.00212192	0	1	1
Snx18_j2	2.94287	3.79611	0	1	1
Snx18	4.50171	4.01052	0	1	1
Ndufs4_j1	1.99223	0.647345	-1.62178	0.0003505	0.0060585
Ndufs4_j3	33.4482	38.9138	0.218356	0.130175	0.449234
Fst	1.23999	5.22389	2.07479	0	0
Itga2_j3	0.0914272	0.0623222	-0.552877	0.457287	1
Itga2_j2	0.0475158	0 -1.79769e+308		0.0035954	1
Itga2_j5	0.0507845	0 -1.79769e+308		0.0022982	1
Itga2_j4	0.0511428	0.0161619	-1.66193	0.186281	1
Pelo	0.878193	0.820751	-0.0975941	0.682177	0.880712

Isl1_j1	9.86121	5.48972	0	1	1
Isl1	18.8709	14.148	0	1	1
Parp8_j4	0.771458	0.715841	-0.107949	0.655036	0.868237
Parp8	1.12038	1.17162	0.0645083	0.740468	0.909073
Mrps30_j1	3.76292	4.93562	0.391381	0.131386	0.451279
Mrps30	6.04865	5.5408	-0.126517	0.435391	0.74624
Gdi2	68.0112	59.1672	0	1	1
Asb13_j1	2.87045	1.73137	0	1	1
Pitrm1_j2	4.77266	5.11354	0	1	1
XLOC_008072	0.0921749	0.0294984	-1.64374	0.719372	1
Dip2c_j2	2.66319	2.38697	-0.157974	0.274409	0.623505
Dip2c_j5	1.77774	1.91594	0.108003	0.51226	0.792044
Dip2c_j6	13.2319	12.1767	-0.119889	0.266916	0.615986
Heatr1_j4	3.37058	4.41574	0	1	1
Ero1lb_j1	0.485955	0.927633	0	1	1
Nid1	4.74027	3.25458	0	1	1
Lyst_j2	3.77636	4.6946	0	1	1
Arid4b_j4	1.40583	1.04461	0	1	1
Psma2_j3	4.92534	3.97326	-0.309901	0.031762	0.192965
Psma2_j4	0.488337	0.832323	0.769267	0.394672	0.719814
AW209491	4.44807	4.10887	0	1	1
2810021B07Rik_j1	0.65592	0.925608	0.496882	0.116323	0.424391
Amph_j3	36.0037	28.4824	-0.338074	0.0004095	0.0068976
Amph_j4	2.06535	1.72871	-0.256692	0.453295	0.758028
Elmo1_j4	0.541854	0.591723	0.127017	0.679332	0.879491
Elmo1_j7	1.19751	1.71742	0.520208	0.0132715	0.105585
XLOC_008097	0.0897272	0.0813631	0	1	1
Hist1h1d	0.622175	1.14232	0.876577	0.0004081	0.0068837
Hist1h2bc_j1	5.6797	7.10962	0	1	1
Hist1h2bc_j2	9.2412	10.5945	0	1	1
Hist1h2bc_j3	38.6218	45.6186	0	1	1
Trim38	0.0605779	0.125637	1.0524	0.261324	1
BC005537	72.3057	74.8429	0.0497551	0.561572	0.821809
D130043K22Rik_j2	0.548822	0.517306	0	1	1
Gpld1	2.64992	3.0007	0	1	1
AK020728_j1	0.784768	0.460782	0	1	1
Wrnip1_j2	19.0677	25.1068	0.396948	0.0021405	0.0263255
Fars2	0.266515	0.196536	-0.439424	0.194941	0.537285
Pak1ip1_j4	1.74193	3.52015	0	1	1
Sirt5	4.1245	3.72818	-0.145748	0.44572	0.753103
Sirt5_j1	0.37978	0.595452	0.648822	0.22706	0.574268
AK038993_j1	0.0873727	0.0958965	0.134295	0.892526	1
AK038993_j2	0.0762499	0.150892	0.98471	0.281641	1
Cd83	1.03028	1.09834	0.0922838	0.732254	0.905282
Jarid2_j2	0.211758	0.284158	0.424277	0.182214	0.522668
Gmpr_j4	19.3306	15.1388	-0.352636	0.0068829	0.0649739
Kdm1b_j2	0.512151	0.801194	0.645581	0.0391279	0.220695

Kdm1b_j1	0.170081	0.42237	1.31228	0.0101193	0.0862669
Rnf144b_j2	0.0327855	0.150243	0	1	1
Ninj1_j1	17.8522	18.1654	0.0250917	0.844383	0.950802
Bicd2_j2	0.1024	0.247943	1.27579	0.0365191	0.211246
Ippk	3.16702	3.10036	-0.030692	0.82514	0.943657
Ippk_j1	0.134706	0.146188	0.118005	0.856759	1
Ecm2_j1	0.588368	0.695846	0.242048	0.381977	0.712173
Aspn	0.444057	0.527143	0.247448	0.453382	0.758032
Nol8_j1	0.295871	0.146292	0	1	1
Fbxw17_j3	3.09028	2.91547	0	1	1
Nxnl2_j2	0.0502887	0.118736	1.23945	0.443718	1
S1pr3	0.644249	0.40144	0	1	1
Gadd45g_j1	3.71898	7.43699	0.999811	1.65E-05	0.0004734
Sykb_j7	0.152833	0.372869	1.28672	0.0048474	0.0495301
Sfxn1_j3	2.50049	3.07691	0	1	1
Cdhr2_j1	3.74821	5.60562	0.580671	0.0001849	0.003595
Tspan17_j1	0.14712	0	-1.79769e+308	0.0153735	0.117052
Zfp346_j1	2.01399	1.33442	0	1	1
Rgs14_j2	0.000273977	0.446107	10.6691	0.755271	0.915526
Rgs14	2.08837	1.36599	-0.612435	0.0041696	0.0441989
Tmed9_j1	0.715021	0.784623	0.134014	0.799345	0.933125
Ddx46_j3	0.678449	0.65326	-0.0545842	0.873376	0.959842
Pcbd2_j2	7.01232	5.81736	-0.269527	0.467911	0.766747
Fbxl21	0.350173	0.000341119	-10.0036	0.408137	0.728502
Tgfb1_j3	3.97319	6.36253	0	1	1
XLOC_008237	0.146807	0.155838	0.0861271	0.844783	0.950919
AK015814_j5	0.106054	0.0700914	-0.597495	0.684584	1
Rmi1	1.50785	1.27872	0	1	1
Rmi1	1.46232	0.967216	0	1	1
Ntrk2	0	0.122407	0	1	1
Naa35_j3	5.08455	6.46019	0.345456	0.106017	0.404265
Etohd2_j1	1.23528	1.20356	0	1	1
Dapk1	0.740834	0.695769	0	1	1
XLOC_008247	0	0.482031	1.79769e+308	0.0746158	0.329493
2010111I01Rik_j3	10.1495	9.46664	0	1	1
Gm16133	1.23677	1.34732	0.12351	0.712545	0.895796
Gm16133_j2	0.128514	0.121859	-0.0767145	0.931962	1
O610007P08Rik_j4	0.0438942	0.150239	0	1	1
O610007P08Rik_j9	1.14425	1.79595	0	1	1
Cdk20_j1	3.97617	4.38585	0.141477	0.469758	0.76774
Cdk20_j2	8.83224	10.1172	0.19596	0.162863	0.498174
Ptdss1_j1	17.7299	21.3842	0.270363	0.0165083	0.123122
AK021377_j1	0.392792	0.476773	0.279536	0.656735	0.869053
AK021377	0.965229	0.764926	-0.335551	0.419569	0.73626
XLOC_008269	0.153162	0.0841785	-0.863532	0.371431	0.704397
Zfp493_j2	0.185122	0.0211725	-3.12822	0.161318	0.496204
BC100427	0.186497	0.108432	-0.782356	0.452575	0.757663

Fastkd3_j2	1.26905	1.74653	0.46074	0.127468	0.444848
Fastkd3_j1	0.214113	0.155229	-0.463976	0.507062	0.789482
1700001L19Rik_j4	1.07123	1.92469	0.845351	0.0937095	0.377168
Med10_j1	8.66908	10.2617	0.243313	0.140998	0.466982
Lpcat1_j3	0.852034	0.855314	0	1	1
Brd9_j2	1.03966	0.990457	0	1	1
Tppp_j1	0.780265	0.607446	0	1	1
XLOC_008292	1.12723	0.969869	-0.216924	0.486209	0.777426
Pcsk1_j2	1.02712	1.15032	0.163431	0.646269	0.863623
Eil2_j1	4.48438	6.68634	0	1	1
Ttc37_j6	2.06365	2.22021	0	1	1
2210408I21Rik	0.864578	0.720468	0	1	1
Arrdc3_j2	1.58863	1.41326	0	1	1
Lysmd3	0.607336	0.419684	-0.533193	0.154687	0.487817
Lysmd3_j1	2.7293	2.5198	-0.115224	0.475502	0.771421
Lysmd3_j1	0.145544	0.196922	0.436165	0.472979	0.769762
Mef2c_j7	1.61196	0.00224511	0	1	1
Mef2c_j10	0.0490702	0	0	1	1
Tmem161b	0.550901	0.497709	0	1	1
Tmem161b	0.547908	0.811655	0	1	1
Tmem161b_j7	1.28309	1.15327	0	1	1
Edil3	10.6821	7.23535	0	1	1
Edil3_j3	38.8233	29.8429	0	1	1
Edil3_j5	0	0.229596	0	1	1
Hapln1_j1	0.419085	0.266125	-0.655136	0.108286	0.409141
Ssbp2_j5	20.4341	17.91	-0.190218	0.0961695	0.382865
Ssbp2_j9	11.989	10.6724	-0.167835	0.4893	0.779561
Serinc5_j4	13.8321	17.9061	0	1	1
Arsb_j1	9.80129	8.21682	-0.25439	0.0247003	0.16296
Lhfp12	1.39721	2.06912	0	1	1
Ap3b1_j7	1.1589	1.41588	0.288943	0.261522	0.610711
Ap3b1_j8	3.46532	4.588	0.404876	0.0959963	0.382589
Tbca	0.584073	0.404069	0	1	1
Wdr41_j2	4.1707	4.05373	0	1	1
Col4a3bp_j2	10.603	11.8301	0	1	1
XLOC_008350	0.211428	0.137202	-0.623871	0.353699	0.68999
XLOC_008354	0.103656	0.121145	0.22493	0.863155	1
Sgtb_j1	4.35825	4.65677	0	1	1
Trim23	2.65969	1.8868	0	1	1
Dimt1_j4	0.340282	0.290082	0	1	1
3830408C21Rik_j4	0.0697293	0 -1.79769e+308	0.0518672	0.0518672	1
3830408C21Rik_j5	0.191852	0.0791225	-1.27783	0.226864	0.573979
3830408C21Rik_j1	0.203172	0.186096	-0.12665	0.840494	0.949579
2810008M24Rik_j2	4.57442	5.39838	0	1	1
Elovl7_j1	0.246412	0	0	1	1
Elovl7_j4	17.5625	14.629	0	1	1
Pde4d	0.250456	0.19072	0	1	1

Ankrd55_j3	0.13033	0.245789	0.915246	0.249592	0.597014
XLOC_008384	0.0576537	0.10031	0.798975	0.348865	1
Il6st_j2	32.7851	33.2278	0	1	1
Slc38a9_j1	3.86827	3.62223	0	1	1
Ccno_j1	0.0434724	0.205012	2.23754	0.0623507	0.295582
BC067074_j3	0.129035	0.120854	-0.0945002	0.890032	1
XLOC_008393	0.0199061	0.109295	0	1	1
Arl15	2.73178	2.94916	0	1	1
Mocs2	46.3955	57.2495	0.303278	0.0019655	0.0246565
XLOC_008398	0.0605636	0.22717	1.90725	0.173015	0.510725
Hcn1_j1	8.75636	7.68893	-0.187549	0.038815	0.219661
Paip1	1.63871	1.68358	0.0389698	0.90328	0.969087
Paip1_j2	3.81673	4.11681	0.109192	0.659364	0.870718
4833420G17Rik_j1	2.82008	2.67085	0	1	1
Gm7120	1.4274	1.99004	0.479408	0.206325	0.550784
BC016423_j2	1.40652	1.20869	0	1	1
BC016423_j4	0.71632	0.676847	-0.0817748	0.792877	0.931005
Net1_j3	0.728509	0.929179	0.351011	0.267187	0.616108
Pfkip1	34.5174	42.9132	0	1	1
Wdr37_j3	3.35453	2.28878	0	1	1
Gtpbp4_j1	0	0.366489	1.79769e+308	0.0041077	0.043742
Gtpbp4_j2	1.14243	1.12877	-0.0173588	0.956949	0.987617
Zmynd11_j1	2.11109	1.50072	0	1	1
Zmynd11_j13	0.714259	0.6608	0	1	1
Ryr2_j1	3.08875	2.57034	-0.265063	0.1817	0.521871
Ryr2_j3	0.771164	0.984252	0.35199	0.160294	0.49487
Ryr2_j5	0.909117	0.852687	-0.0924493	1	1
Ryr2_j15	0.128448	0.175702	0.451947	0.530175	0.802944
Ryr2_j17	0.123204	0.201833	0.712117	0.251023	0.598849
Gpr137b	0.131844	0.717509	0	1	1
Tbce	10.4985	9.57611	0	1	1
5033411D12Rik	1.03058	0.921366	-0.161611	0.611793	0.847126
5033411D12Rik_j3	0.148073	0.0851672	-0.79794	0.229796	0.576876
AK038969_j1	0.0132359	0.135036	3.35082	0.0182627	1
Rala_j1	1.06842	0.563799	0	1	1
Zkscan3	1.84436	1.81501	0	1	1
Pgbd1_j2	0.010962	0.0849979	2.95492	0.413163	1
Zfp187	0.563282	0.0876558	0	1	1
Zfp187_j1	1.36568	0.66587	0	1	1
Zfp187_j2	2.97047	2.68594	0	1	1
Zfp389_j1	0	0.0978129	1.79769e+308	0.0518692	1
Scgn_j1	0.408144	0.202177	-1.01346	0.365579	0.699478
Gmn	0.719938	0.477711	-0.591735	0.37774	0.709377
Aldh5a1	2.10525	1.74423	0	1	1
Nrsn1_j4	2.11711	1.18934	0	1	1
XLOC_008472	0.450921	0.466602	0.0493191	0.911764	0.972265
XLOC_008472	0	0.169616	1.79769e+308	0.007621	0.0701878

BC025054_j8	0.100242	0.209134	1.06093	0.314775	0.658963
BC025054_j12	0.158317	0.151886	-0.0598252	0.962013	0.989361
BC025054_j13	0.473561	0.423823	-0.160088	0.745943	0.911507
E2f3_j2	1.06036	1.59653	0	1	1
E2f3	0.95348	1.64718	0	1	1
Gmds_j1	0.0580504	0 -1.79769e+308		0.170221	1
Serpinb1a_j1	5.07049	12.2912	1.27743	4.44E-16	1.02E-13
Serpinb1a_j2	3.43139	3.54837	0.0483621	0.81554	0.93995
Serpinb6a	185.414	186.443	0	1	1
Tubb2a_j2	16.5942	21.0003	0	1	1
Tubb2a_j3	0.739034	1.94928	0	1	1
Peci_j3	3.76403	1.32099	0	1	1
Nrn1_j1	16.1858	25.0463	0	1	1
Txndc5	0.41678	0.205065	0	1	1
Slc35b3_j3	1.0874	1.64571	0.597831	0.0705947	0.319377
Tcfap2a	0.0531189	0.143592	1.43467	0.0518591	1
AK043285_j1	2.26755	2.50659	0	1	1
AK043285_j2	48.873	59.6529	0	1	1
XLOC_008517	0.0155832	0.0736652	2.24099	0.338651	1
Dtnbp1_j3	0.625484	0.498952	-0.326071	0.540966	0.809122
Atxn1_j7	0.0323125	0.0786642	1.28362	0.49287	1
Tpmt_j3	2.67128	2.63499	-0.0197345	0.913203	0.972756
Dek_j1	7.49795	7.57489	0.0147296	0.908047	0.971016
XLOC_008527	0.120902	0.0933557	0	1	1
XLOC_008527	0.0768083	0.0198315	0	1	1
Ptpdc1_j4	1.14179	0.226727	0	1	1
1110007C09Rik_j1	6.87244	8.20648	0	1	1
Cenpp	0.306778	0.404106	0.397541	0.327415	0.670276
Gm15440_j1	3.87907	5.78649	0	1	1
Sema4d	8.79863	8.46678	0	1	1
Auh_j6	20.2521	18.5401	0	1	1
XLOC_008553	0.0903674	0.0647035	-0.481958	0.678974	1
4833439L19Rik_j1	9.62263	10.4191	0	1	1
Nop16	2.42439	2.71258	0.162043	0.368476	0.701721
Cltb	0.130496	0.140723	0	1	1
Rnf44	4.11083	4.80993	0	1	1
Rnf44_j10	0	0.702223	0	1	1
Rnf44	5.16985	2.56788	0	1	1
Rnf44_j11	1.3623	1.65962	0	1	1
Gprin1_j2	1.82545	3.13209	0	1	1
Sncb	58.7491	72.4587	0.302592	0.0009085	0.0132574
Hk3_j2	0	0.107976	0	1	1
Rab24_j2	5.93662	6.74946	0.185131	0.215607	0.561479
Dbn1	29.4017	37.2593	0	1	1
Pdlim7_j1	0.140189	0.144531	0.0440083	0.949223	0.985343
Pdlim7_j2	0	0.299115 1.79769e+308		0.0001865	0.0036204
Ddx41_j5	0.461887	0.39159	0	1	1

Ddx41_j2	1.64521	1.0831	0	1	1
Ddx41_j4	0.441795	1.06778	0	1	1
Fam193b_j1	1.03762	1.08551	0	1	1
XLOC_008578	0.0917257	0.0759008	-0.273211	0.795678	1
Gkap1_j7	0.0948958	0.238538	1.3298	0.0010168	0.0144917
Hnrnpk_j7	0.250873	0.387442	0	1	1
Hnrnpk_j8	0.626208	0.488548	0	1	1
Agtpbp1	61.0615	73.4931	0.267346	0.001836	0.0233405
Golm1	2.6142	3.08465	0.238737	0.120957	0.433073
Zcchc6_j5	0.802215	0.902369	0	1	1
Gm3604_j2	0.918196	0.507563	-0.855216	0.010299	0.0874318
6720489N17Rik_j2	0	0.210585	0	1	1
6720489N17Rik	1.0461	0.725031	0	1	1
XLOC_008604	0.322303	0.262039	0	1	1
BC064714_j1	0	0.133665	0	1	1
Ptch1_j3	0.103209	0.0335467	0	1	1
Cdc14b_j4	0.0491275	0.0533345	0	1	1
Cntnap3_j2	0.382437	0 -1.79769e+308		1.63E-15	3.46E-13
Uqcrb_j1	12.4475	12.7566	0	1	1
BC038328	0.197338	0.222476	0.172979	0.844783	0.950919
XLOC_008623	0.379811	0.340334	-0.15833	0.728517	0.903756
Zfp874b_j3	1.63543	1.93823	0	1	1
Adcy2_j5	0	0.0520823	0	1	1
Papd7_j1	1.40709	2.03393	0	1	1
Papd7	1.27883	1.47274	0	1	1
Papd7	2.72631	2.10184	0	1	1
BC018507_j5	0.177888	0.365187	0	1	1
Ndufs6	13.1623	14.0224	0.0913195	0.685535	0.882667
Nkd2	0	0.18004 1.79769e+308		0.0003941	0.0066953
Zfp72_j3	0.101583	0.0272557	-1.89803	0.382651	1
Zfp825_j1	1.51059	1.7609	0.221202	0.684542	0.882071
XLOC_008662	1.21849	1.39028	0.190281	0.808545	0.937072
Cast_j1	0.734478	0.474831	0	1	1
Cast_j2	4.91907	6.32334	0	1	1
XLOC_008664	0.0588123	0.0814873	0.470456	0.713304	1
Rhobtb3_j2	2.84286	2.35588	0	1	1
Rfesd_j1	5.76455	5.9342	0.0418436	0.870776	0.958808
Rfesd_j1	6.93893	6.25765	-0.149094	0.467601	0.766717
Ankrd32_j1	1.73896	1.13542	0	1	1
AK082072	0.184839	0.216421	0.227575	0.841281	0.949906
Vcan_j1	0.400968	0.604507	0.592272	0.116155	0.424174
Atg10_j4	1.56031	1.24259	-0.328481	0.359271	0.694581
Atg10	1.45419	1.61762	0.153657	0.584165	0.833307
Atg10_j5	5.07852	4.75557	-0.0947908	0.595428	0.838859
Rasgrf2_j1	0.0398014	0.600626	0	1	1
Msh3_j8	0.0474181	0	0	1	1
Zfyve16_j2	0.146576	0.289868	0.983748	0.111376	0.415457

Cmya5	0.130448	0.0747848	-0.802661	0.324103	1
Jmy_j1	0.274746	0.285009	0.0529119	0.874072	0.959954
Bhmt2_j1	0.0595737	0.08267	0.47269	0.758959	1
Pde8b_j1	0	0.196215	0	1	1
Aggf1_j1	8.60619	9.68753	0.170755	0.19204	0.534179
Sv2c_j4	0	0.0979574	0	1	1
Hmgcr_j1	8.4042	5.98561	0	1	1
Nsa2_j1	2.96929	2.81894	0	1	1
Hexb_j2	10.008	9.30478	0	1	1
Rgref_j2	0.592284	0.89133	0.589671	0.253219	0.601204
Utp15_j1	0.143355	0.0404902	-1.82394	0.088176	0.363523
Btf3	0.938206	1.63894	0.804787	0.0175981	0.128774
Mtap1b_j1	133.699	0	0	1	1
Mtap1b_j2	123.334	0	0	1	1
Cartpt	3.05796	2.65798	-0.202237	0.405089	0.726949
Cartpt	0.483714	0.421608	-0.198252	0.760112	0.917387
Bdp1_j9	0.674031	0.972737	0.529234	0.008403	0.0752421
Marveld2_j1	0	0.195929	1.79769e+308	0.0135659	0.107124
Pik3r1_j5	0.307656	0	0	1	1
Pik3r1_j2	0.137191	0.295137	0	1	1
Srsf12_j2	2.43154	2.8748	0	1	1
Erbp2ip_j1	0.138055	0.190742	0	1	1
Nln_j1	0.386961	0.620154	0.680437	0.100504	0.392473
2410002O22Rik_j2	8.32473	7.01223	0	1	1
Rgs7bp_j3	0.538847	0.692341	0	1	1
Ipo11_j2	7.79383	9.16409	0	1	1
Kif2a_j1	2.36235	1.66549	0	1	1
Kif2a_j2	0.257012	1.002	0	1	1
Gppb1_j5	0.052137	0.788417	0	1	1
Il31ra_j8	1.22653	0.919308	0	1	1
Skiv2l2_j1	21.4269	20.1295	0	1	1
Skiv2l2_j2	13.3151	12.2506	0	1	1
Ndufs4	2.87509	2.52407	-0.187858	0.466286	0.765993
Fst	0.0318626	0.0783381	1.29785	0.281455	1
Itga1_j3	8.82978	8.42382	-0.0679039	0.625197	0.853782
Pelota	0.459176	0.419616	-0.129976	0.850555	0.952491
Isl1_j3	3.84481	4.89473	0	1	1
Parp8_j5	9.3899	10.0797	0.102273	0.53133	0.8035
Akr1c13	0.16859	0.21394	0.343688	0.687493	0.883849
Akr1c19	0.0976876	0.0712012	-0.456273	0.461023	1
Akr1c19_j2	0.0496133	0	-1.79769e+308	0.0085635	1
Larp4b_j1	0.0428805	0.267474	2.641	3.40E-05	0.0008609
XLOC_008072	0.193341	0.12855	-0.588818	0.567324	0.824874
Dip2c_j4	1.18727	0.752518	-0.657853	0.0034204	0.038217
XLOC_008076	0.24049	0	-1.79769e+308	0.0204362	0.143038
Lyst	0.0646113	0.0303385	0	1	1
B3galnt2_j1	1.46884	1.49185	0	1	1

Arid4b_j1	0.258944	0.19102	0	1	1
Arid4b_j5	1.77302	2.20656	0	1	1
Psm2_j6	0.997416	0.617601	-0.691522	0.352955	0.689667
Vps41_j3	8.01834	8.38239	0	1	1
Vps41	23.175	16.8121	0	1	1
Vps41_j7	13.2863	16.1605	0	1	1
Amph_j1	0.637864	0.704035	0.142398	0.713072	0.896204
Amph_j5	0.680946	1.68285	1.30529	0.0021692	0.0266048
Trim27_j4	5.75132	5.77606	0.00619146	0.977626	0.993549
XLOC_008097	0.295294	0.0349698	0	1	1
XLOC_008097	0.233383	0.0532484	0	1	1
Fam65b_j1	0.161606	0.00387549	-5.38196	0.149641	0.479222
Fam65b_j5	0.20216	0.0259015	-2.96438	0.146623	0.474993
D130043K22Rik_j4	7.1246	6.4208	0	1	1
D130043K22Rik_j5	5.4772	5.27828	0	1	1
Gpld1_j1	0.501103	0.394717	0	1	1
AK020728_j4	2.01602	1.62834	0	1	1
AK020728_j5	0.121184	0.121431	0	1	1
Agtr1a_j1	0.448661	0.712192	0.666639	0.142502	0.469152
XLOC_008128	0.090516	0.179295	0.986087	0.40785	0.728232
XLOC_008128	4.27E-05	0.648012	13.8903	0.983753	0.995196
Prpf4b_j7	0.273845	0.411322	0	1	1
Prpf4b_j6	1.07392	1.67349	0	1	1
Rreb1_j2	0.235308	4.50E-05	-12.3514	0.829078	0.944878
Rreb1_j9	0.206608	0.252977	0.292111	0.535889	0.806316
Riok1_j1	1.34637	1.41867	0.0754614	0.825495	0.943705
Pak1ip1_j3	2.05509	2.39363	0	1	1
Gm10790_j4	0.0794918	0 -1.79769e+308	0.0598631	0.0598631	1
Hivep1_j7	5.19252	4.727	-0.135509	0.41788	0.734904
Phactr1	3.1877	2.17756	0	1	1
Phactr1_j1	4.42085	4.39113	0	1	1
AK038993_j4	0.223112	0.0956847	-1.22141	0.199776	0.542808
Jarid2	0.19653	0 -1.79769e+308	2.12E-08	1.39E-06	
Jarid2_j3	0.769451	0.279077	-1.46316	4.24E-05	0.0010367
Gmpr_j2	14.0335	9.78238	-0.520618	0.0037347	0.0408592
Gmpr_j3	4.82911	4.89629	0.0199317	0.857973	0.954917
5033430I15Rik_j1	0.487224	0.300759	-0.695979	0.388819	0.716161
AK053225_j1	0.164183	0.152161	-0.109705	0.896826	0.967071
Aspn	0.108783	0.103633	-0.0699703	0.945617	1
Iars_j1	0.138875	0 -1.79769e+308	4.57E-05	0.0011052	
Iars_j2	4.70145	4.51517	-0.0583266	0.832463	0.945929
Spin1_j1	6.52786	6.79127	0	1	1
Sykb_j5	0.0500844	0 -1.79769e+308	0.0107263	0.0107263	1
AK030238_j1	0.110746	0.047731	-1.21426	0.332165	1
Sfxn1_j1	0.651624	0.435255	0	1	1
Hrh2_j1	0.311206	0.251367	-0.308076	0.410497	0.730308
Arl10_j2	0.858569	0.275204	-1.64143	0.0953379	0.381208

Tgfbj_j2	6.1137	11.5341	0	1	1
XLOC_008237	0.330459	0.185965	-0.829442	0.202432	0.546076
AK015814_j3	0.0950268	0.0737752	-0.3652	0.783277	1
Ntrk2	3.25359	2.25155	0	1	1
XLOC_008243	0.156699	0	-1.79769e+308	0.0146673	0.113107
Dapk1	10.282	9.389	0	1	1
XLOC_008248	0.69583	0.291109	-1.25718	0.172095	0.509298
Gm16133_j3	0.111148	0.06182	-0.846338	0.615378	1
Gm16133_j4	0.0944007	0.0901712	-0.0661311	0.969128	1
0610007P08Rik_j1	0.545416	7.34E-05	0	1	1
XLOC_008259	0.213548	0.174118	-0.294496	0.703987	0.891644
XLOC_008269	0.255173	0.185286	-0.461723	0.188144	0.529425
1700001L19Rik_j1	1.0342	1.12799	0.125232	0.741256	0.909259
1700001L19Rik_j5	0.354677	0	-1.79769e+308	0.0144543	0.111996
Nsun2_j1	6.38872	8.35481	0	1	1
Mrpl36_j1	4.90673	5.58292	0.186257	0.28662	0.635428
Lpcat1_j4	0.529669	0.60928	0	1	1
XLOC_008282	0.104198	0.0330509	-1.65657	0.206662	1
Slc12a7_j2	1.76758	1.69729	0	1	1
Brd9_j1	1.41295	1.34254	0	1	1
Brd9_j3	0.866593	1.57928	0	1	1
XLOC_008292	0.216362	0.101771	-1.08813	0.158305	0.492505
Ttc37_j5	1.62901	1.22821	0	1	1
Mctp1	0	0.116046	1.79769e+308	0.0023729	1
2210408I21Rik_j4	0.184305	0.000138791	0	1	1
Fam172a	0.559739	0.378755	0	1	1
XLOC_008306	0.242354	0.108004	-1.16603	0.199547	0.542558
Cetn3_j3	1.76104	0.997824	-0.819573	0.204192	0.548341
Mef2c_j6	0.0477098	0	0	1	1
C130071C03Rik_j5	0.299084	0.0924706	-1.69349	0.233189	0.580492
Tmem161b_j3	0.372826	0.0921472	0	1	1
Edil3_j2	9.2841	4.03941	0	1	1
Ssbp2_j2	0.0913217	0.103698	0.183356	0.893384	1
Ssbp2_j3	0.407087	0.312003	-0.383779	0.177891	0.517237
Serinc5_j1	11.2853	13.2887	0	1	1
Serinc5_j2	1.42974	0.430346	0	1	1
Lhfpl2_j1	4.20502	4.22385	0	1	1
Lhfpl2_j3	8.13159	9.91877	0	1	1
Ap3b1_j6	0.124685	0.00564133	-4.46611	0.16117	1
Tbca_j1	0.312481	0.30582	0	1	1
Zbed3_j1	0.588774	0.622715	0.0808577	0.851882	0.952976
F2rl2_j1	28.9599	24.7627	-0.225887	0.0201819	0.141747
Col4a3bp_j1	10.8184	6.43355	0	1	1
Gcnt4_j2	0.675945	0.10645	-2.66673	1.08E-06	4.42E-05
Gfm2	0.694816	0.703828	0	1	1
Gfm2	1.70075	1.86587	0	1	1
Ankra2_j1	1.3458	1.87439	0.477956	0.102692	0.39702

Zfp366	0.158688	0.0492509	-1.68797	0.118167	0.427924
XLOC_008354	0.0639765	0.0450604	-0.505683	0.736253	1
Smn1_j1	3.05135	3.99619	0.389178	0.128826	0.447279
XLOC_008360	0.113014	0.0568416	-0.991481	0.37596	1
Adamts6_j1	0.144081	0.0909916	-0.663077	0.321161	0.664254
Dimt1_j5	0.710595	0.728463	0	1	1
3830408C21Rik	0.0835882	0.0613106	-0.447164	0.712524	1
3830408C21Rik_j3	0	0.0841193 1.79769e+308		0.0360368	1
2810008M24Rik_j1	3.11486	1.4126	0	1	1
Elov17_j3	2.23859	1.66183	0	1	1
Depdc1b_j1	0.0870441	0 -1.79769e+308		0.0229874	1
Il6st_j1	0.606836	0.000545656	0	1	1
Slc38a9_j2	1.28225	1.24211	0	1	1
BC067074_j1	0.184336	0.136054	-0.438152	0.256403	0.60531
XLOC_008392	0.160575	0.138082	-0.217724	0.656852	0.869092
Arl15_j2	2.82339	2.51587	0	1	1
AK016040_j1	0.293374	0.859503	1.55076	0.0092095	0.0806249
Mocs2_j2	0.178223	0 -1.79769e+308		0.0487107	0.254271
XLOC_008398	0.240037	9.43E-05	-11.3129	0.981687	0.994414
XLOC_008402	0.228528	0.135298	-0.756227	0.195756	0.538344
Net1_j8	0.143217	0 -1.79769e+308		0.0172451	0.127054
Pfcp_j4	0.65761	0.338528	0	1	1
Zmynd11_j6	1.91904	3.52064	0	1	1
Zmynd11_j11	4.56517	4.40637	0	1	1
Zmynd11_j7	5.77118	6.18882	0	1	1
Chrm3_j2	0.272736	0.132781	-1.03845	0.0601469	0.288809
Ryr2_j14	0.201678	0.0563165	-1.84042	3.49E-05	0.0008785
Actn2_j6	0.132195	0.137873	0.0606748	0.954891	1
Actn2_j8	0.108377	0.0433372	-1.32238	0.254871	1
Gpr137b_j1	0.351532	0.000545615	0	1	1
Tbce_j1	4.66128	4.90142	0	1	1
Ggps1_j2	4.26225	3.30285	0	1	1
Ggps1_j1	0.00320898	0.374238	0	1	1
Hecw1_j1	4.44873	3.54974	0	1	1
AK085253_j1	0.521951	0.1063	-2.29577	0.030279	0.186863
Pou6f2_j3	0.230692	0.105688	-1.12616	0.293162	0.640163
Zfp187_j5	2.23265	1.98139	0	1	1
Zfp187	1.45114	0.780771	0	1	1
Zfp322a_j1	0.416051	0.220205	0	1	1
C230035116Rik_j1	0.101535	1.18E-05	-13.066	0.995772	1
Scgn_j2	0.162238	0.236299	0.542507	0.617141	0.849331
Lrrc16a_j4	1.84835	1.66519	-0.150554	0.679493	0.879493
Lrrc16a_j5	1.30341	0.996074	-0.387966	0.108633	0.409839
Lrrc16a_j7	0.614028	0.57292	-0.0999717	0.719718	0.899338
Nrsn1_j3	1.02778	0	0	1	1
XLOC_008472	0.361538	0.23279	-0.635117	0.0338018	0.201237
XLOC_008473	0.274347	0.0665583	-2.04331	0.207257	0.551757

BC025054_j4	0.0877001	0.0149659	-2.5509	0.0369273	1
Cdkal1_j1	0.398695	0	-1.79769e+308	3.84E-06	0.0001348
E2f3_j4	0.395907	0	0	1	1
Serpinb1a_j4	59.4058	141.287	1.24995	0	0
Serpinb6a_j3	0.622833	0.494584	0	1	1
Serpinb6a_j8	7.98473	11.7529	0	1	1
Serpinb6a_j9	58.2162	69.2864	0	1	1
Peci_j1	9.44516	9.51131	0	1	1
Peci_j2	7.74502	11.3555	0	1	1
XLOC_008492	0.104851	0	-1.79769e+308	0.0074485	1
Txndc5_j2	9.51114	11.6844	0	1	1
Slc35b3_j4	0.425922	0.0617845	-2.78527	0.0204208	0.142972
Slc35b3	0.24026	0.125444	-0.937556	0.249859	0.597301
9530008L14Rik_j1	0.123258	0	-1.79769e+308	0.0290468	1
Dtnbp1_j2	9.40824	9.30862	-0.0153579	0.934318	0.979958
Atxn1_j6	0.0473361	0	-1.79769e+308	0.0018358	1
Atxn1_j5	0.0770546	0.25596	1.73196	0.0003378	0.005888
Kif13a_j4	3.07387	4.47926	0	1	1
Kif13a_j6	1.16052	0.856662	0	1	1
Kif13a_j8	1.53691	1.37416	0	1	1
Kif13a_j7	0.076741	0.256018	0	1	1
Dek_j2	0.140966	0.265706	0.91448	0.326766	0.669905
4931429P17Rik_j1	0.235551	0.184037	-0.356044	0.567269	0.824855
AK039372	0.376019	0.141637	-1.40861	0.0072295	0.0675391
Zfp169_j2	0.20489	0.290377	0	1	1
Wnk2_j5	0.155564	0.0648446	0	1	1
1110007C09Rik_j2	0.211958	0.275771	0	1	1
Auh_j1	18.1918	8.55488	0	1	1
Ror2_j2	0.243794	0	0	1	1
Ror2_j3	0.289763	0	0	1	1
Ror2_j4	0.568074	0.118669	0	1	1
Sptlc1_j2	2.61467	2.38001	-0.135665	0.631611	0.856746
4833439L19Rik_j4	0.130174	0	0	1	1
Rnf44_j2	1.75589	2.25683	0	1	1
Rnf44_j3	0.264911	0	0	1	1
Rnf44_j6	1.59808	0.32024	0	1	1
Rnf44_j5	0.663288	0.679145	0	1	1
Gprin1_j3	0.552574	0.192244	0	1	1
Uimc1_j6	0.0779971	0	-1.79769e+308	0.0120595	1
Pdlim7_j8	47.6431	50.3128	0.0786567	0.538327	0.807888
Pdlim7	35.025	47.3145	0.433899	6.96E-05	0.0015758
Tifab_j2	0.945514	0.817271	-0.210285	0.565117	0.823689
Tifab_j1	0.253728	0.279708	0.140637	0.749878	0.913026
Trp7_j5	0.123869	0.250714	1.01723	0.353815	0.690055
Trpc7	0.118018	0.123397	0.0643028	0.924941	1
XLOC_008578	0.0972394	0	-1.79769e+308	0.0066095	1
Spock1_j4	12.6354	12.2532	0	1	1

Spock1_j5	4.25083	1.32434	0	1	1
Klhl3_j10	0.319697	0.261252	-0.291264	0.390617	0.717412
Klhl3_j1	0.196446	0 -1.79769e+308		3.92E-10	3.51E-08
Gkap1_j1	0.056487	0.0295351	-0.935488	0.670116	1
Gkap1_j4	0.428297	0.284335	-0.591021	0.360007	0.69504
Gkap1_j9	0.167876	0.144708	-0.214247	0.809578	0.937682
Hnrnpk_j4	17.2366	8.34243	0	1	1
Hnrnpk_j6	2.10344	1.75467	0	1	1
XLOC_008588	0.121584	0.0821885	-0.564943	0.592045	1
Isca1_j1	44.2208	40.5924	-0.123515	0.183418	0.524055
XLOC_008605	34.1592	34.9103	0.0313798	0.744417	0.910803
Fancc_j3	1.72837	1.50893	-0.195882	0.540307	0.808817
Fancc	2.93814	2.34037	-0.328166	0.0784577	0.339656
Ptch1_j6	0.545646	0.593643	0	1	1
Slc35d2_j8	0.211369	0.0351061	-2.58997	0.0538261	0.270346
Cntnap3_j6	0.181917	0.548827	1.59307	9.81E-06	0.0003051
Zfp712_j1	0.331529	0 -1.79769e+308		2.36E-09	1.85E-07
Zfp708_j8	0.164357	0 -1.79769e+308		0.0029988	0.0343998
Zfp458_j1	0.0911714	0 -1.79769e+308		0.0012048	1
XLOC_008623	0.207111	0.20808	0.00673426	0.990119	0.997014
Zfp595	0.195247	0.0871054	-1.16446	0.111489	0.415571
Rsl1_j2	0.179028	1.22E-05	-13.8353	0.989422	0.996683
Zfp874a	5.34147	5.55622	0.0568666	0.655333	0.868271
Zfp874b_j2	1.71525	0.833897	0	1	1
Zfp58	1.45229	1.02615	-0.501091	0.0656271	0.305409
Zfp58	0.422457	0.256802	-0.718148	0.210554	0.555109
Adcy2_j4	4.30179	5.29299	0	1	1
Adamts16_j7	0.188588	0.139882	-0.431032	0.616315	0.848764
Ahrr_j3	0.332311	0.30969	-0.101711	0.875575	0.960411
Ahrr_j5	0.167269	0 -1.79769e+308		1.39E-06	5.52E-05
XLOC_008661	0.231608	0.255251	0.140236	0.728665	0.903788
Rfesd	3.09837	3.66255	0.241338	0.531132	0.803433
Gpr150	0.615039	0.602659	-0.0293366	0.916837	0.97399
Arsk_j2	0.133437	0.0907807	-0.555701	0.519644	1
Ankrd32_j4	0.533023	0.640415	0	1	1
Nr2f1_j3	4.17452	2.95691	0	1	1
Rasa1_j3	2.36808	2.44815	0	1	1
4833422C13Rik	0.428584	0.287844	-0.574292	0.0548617	0.273143
Zcchc9_j1	2.48239	2.05859	-0.270073	0.485195	0.776889
Rasgrf2_j6	0.0108028	1.76284	0	1	1
Rasgrf2_j7	0.505915	0.846551	0	1	1
Msh3_j7	2.05167	2.47451	0	1	1
Thbs4	0.213079	0.348858	0.711248	0.100259	0.391938
Papd4_j3	0.279295	0.174385	-0.679511	0.385598	0.71417
Papd4_j4	0.253718	0.211989	-0.259235	0.452828	0.757789
Pde8b_j4	0.513991	0.353786	0	1	1
lqgap2_j1	0.241851	0.135542	-0.835378	0.159176	0.493821

Sv2c_j2	0.517816	1.06947	0	1	1
Sv2c_j3	15.463	12.3541	0	1	1
XLOC_008705	0.22787	0.183766	-0.310347	0.678297	0.879015
Polk_j1	0.720871	0.910544	0	1	1
Polk_j3	0.262839	0.0729237	0	1	1
Polk_j4	0.253145	0.117867	0	1	1
Polk	0.785154	0.914787	0	1	1
Rgref_j1	1.63412	1.84553	0.175522	0.2921	0.638961
Btf3_j2	0.692542	0.709307	0.0345073	0.937737	0.980993
Fcho2_j4	2.34848	2.74975	0	1	1
Tnpo1_j5	0.639808	0.166699	-1.94039	0.0266561	0.17177
XLOC_008721	0.125833	0.0832866	-0.595359	0.415229	1
Bdp1_j3	0.189238	0.25095	0.407196	0.2182	0.564577
Gtf2h2	3.66061	3.41128	0	1	1
Mrps36_j1	1.07549	0.212362	-2.34039	0.0769776	0.335484
Slc30a5_j1	1.11743	0.699639	0	1	1
Slc30a5_j2	2.66959	2.21268	0	1	1
Pik3r1	12.2543	10.3086	0	1	1
XLOC_008740	0.221575	0.113045	-0.970897	0.332921	0.674018
Srsf12_j1	0.57221	0.420713	0	1	1
Erbp2ip	0.130869	0.0395471	0	1	1
2410002O22Rik	0.550564	0	0	1	1
Ppwd1_j1	1.11693	1.21016	0	1	1
Rgs7bp_j2	25.0195	10.9021	0	1	1
Rnf180_j3	0.16823	0.0761897	0	1	1
Gppb1_j6	3.52239	5.00794	0	1	1
Map3k1	0.578177	0.406048	0	1	1
Il31ra_j3	0.165612	0.102411	0	1	1
Il31ra	0.123899	0.033581	0	1	1
Skiv2l2_j3	7.52176	6.424	0	1	1
Snx18_j3	6.06612	5.32435	0	1	1
Itga2_j1	0.0786034	0.100914	0.360456	0.555522	1
Isl1_j4	0.324788	0.587294	0	1	1
Parp8_j3	0.168801	0 -1.79769e+308		2.75E-09	2.12E-07
Parp8_j2	0.166867	0.174636	0.0656584	0.876915	0.96086
Parp8_j9	0.767789	0.314372	-1.28824	0.0203161	0.142415
Mrps30_j2	10.8967	11.1229	0.029639	0.890188	0.965178
Gdi2_j2	22.2173	29.836	0	1	1
Asb13_j3	11.768	8.16868	0	1	1
Akr1c14_j1	0	0.200168 1.79769e+308		0.0031158	0.0354993
Akr1c13_j1	0	0.090797 1.79769e+308		0.12315	1
XLOC_008066	0	0.137845 1.79769e+308		0.0601211	1
Heatr1_j1	2.04257	2.27268	0	1	1
Lyst_j4	0	0.0506821	0	1	1
Arid4b_j3	1.63968	2.1118	0	1	1
Vps41_j5	1.33654	0.691608	0	1	1
Vps41_j8	0.711481	0.749073	0	1	1

Sfrp4_j1	2.19292	3.19006	0.54073	0.0479965	0.251853
Aoah_j4	0	0.0490751 1.79769e+308		0.123582	1
Fam65b_j2	0	0.126732 1.79769e+308		0.0553167	1
Fam65b_j4	0	0.0864453 1.79769e+308		0.115681	1
TTRAP	1.46324	2.03287	0.474355	0.0962591	0.383094
AK020728_j3	0.948645	1.50436	0	1	1
AK020728_j7	0.0507635	0.0473253	0	1	1
Mboat1_j2	0	0.179907 1.79769e+308		0.0025143	0.0299872
XLOC_008129	0.0312581	0.174422	2.48028	0.0628798	0.296948
Prpf4b_j4	0.100788	0.13582	0	1	1
XLOC_008139	0.136259	0.192347	0.497357	0.50487	0.787934
XLOC_008140	0.158781	0.206039	0.375879	0.77218	0.922655
Rreb1_j3	0.0863476	0.137929	0.675696	0.575773	1
Sirt5_j2	0.296449	0.391791	0.402301	0.627032	0.854469
Rnf182_j1	0.0431671	0.207952	2.26824	0.0103353	0.0876488
Rnf182_j2	0.000187143	0.814849	12.0882	0.718541	0.898689
Bicd2_j4	1.93764	2.36027	0.284654	0.0957079	0.38193
Omd	0.14507	0.23905	0.72057	0.179541	0.519188
Nol8_j3	0.838138	1.44531	0	1	1
Iars_j3	28.5273	27.8534	-0.0344864	0.817809	0.940908
S1pr3_j2	2.91204	3.27226	0	1	1
Cks2_j1	0.109414	0.225208	1.04146	0.23109	0.578128
XLOC_008204	0.052821	0.164444	1.63842	0.0552078	0.274204
Sykb_j4	0.025832	0.192449	2.89724	0.0024291	0.0291764
AK030238_j2	0.132915	0.13671	0.0406111	0.972525	1
Hrh2	0	0.129213 1.79769e+308		0.0112464	1
XLOC_008209	0.0204764	0.056794	1.47178	0.233062	1
4732471D19Rik	1.25555	1.38563	0	1	1
XLOC_008214	0	0.0546204 1.79769e+308		0.106152	1
Tspan17_j5	4.66716	4.75395	0.0265789	0.92137	0.975363
Zfp346_j5	0.614939	1.63644	0	1	1
Nsd1_j4	6.33889	6.49276	0.0346019	0.704769	0.892134
Tmed9	11.9695	13.8611	0.211676	0.184326	0.524843
B4galt7_j1	1.09978	1.51634	0	1	1
AK043531_j1	0.268242	0.394032	0	1	1
Tgfbj1	0.00448282	0.730404	0	1	1
AK015814_j2	0	0.0886812 1.79769e+308		0.15384	1
AK015814_j7	0	0.0688554 1.79769e+308		0.11875	1
XLOC_008243	0.0446165	0.0798795	0.840248	0.369141	1
XLOC_008247	2.31276	1.71429	-0.432008	0.406453	0.727764
Gm16133_j5	0.0275549	0.200014	2.85972	0.156596	0.49018
0610007P08Rik_j6	0.568287	0.884004	0	1	1
Zfp369_j2	0	0.0787811 1.79769e+308		0.0012567	1
Zfp369	0.382315	0.465318	0.283456	0.287889	0.635869
Zfp369_j3	0.113925	0.110975	-0.037848	0.939721	1
Zfp759_j1	0.660397	0.980087	0.569577	0.0129507	0.103778
Zfp455_j1	0.0950634	0.148344	0.641987	0.44854	1

Zfp455_j2	0	0.0501	1.79769e+308	0.0843168	1
Zfp455	0.442467	0.271393	-0.705186	0.10775	0.407985
BC100427_j3	0.011888	0.448252	5.23673	0.290747	0.638092
BC100427_j1	0.112825	0.200603	0.830251	0.482011	0.775384
BC100427_j4	0.251136	0.209339	-0.262626	0.782226	0.926386
XLOC_008276	0.0685565	0.0632854	-0.115422	0.933941	1
XLOC_008276	0	0.0905065	1.79769e+308	0.061762	1
Slc9a3_j4	1.28E-05	0.0846936	12.6921	0.979119	1
XLOC_008292	2.01276	1.56874	-0.359569	0.0816027	0.347964
XLOC_008292	1.90042	2.39927	0.336276	0.0849527	0.355671
Ttc37_j1	0	0.0758668	0	1	1
2210408I21Rik	0.175775	0.468583	0	1	1
Mef2c_j5	0.986667	1.40181	0	1	1
Mef2c_j8	0.332959	0.197271	0	1	1
Tmem161b_j5	0.884269	0.709631	0	1	1
Tmem161b_j6	0.689651	1.16583	0	1	1
Edil3_j1	0.187135	1.31575	0	1	1
Ankrd34b_j1	0	0.0533521	1.79769e+308	0.0811743	1
XLOC_008345	0.0749084	0.243158	1.6987	0.0361944	0.210104
XLOC_008350	0.132063	0.136125	0.0437067	0.945113	1
Zfp366_j1	0	0.069957	1.79769e+308	0.0288363	1
Zfp366_j2	0.0304451	0.298483	3.29336	3.21E-05	0.0008183
XLOC_008354	0.0910681	0.110577	0.28004	0.770202	1
XLOC_008354	0	0.0611293	1.79769e+308	0.124549	1
Taf9_j2	2.87669	3.54107	0	1	1
Cd180	0.171128	0.213224	0.317296	0.510958	0.79135
Cd180_j2	0.0826322	0.189364	1.19639	0.0727362	0.324527
Dimt1_j2	0	0.196467	0	1	1
Dimt1_j3	0	0.0665188	0	1	1
3830408C21Rik_j2	3.92E-05	0.0974531	11.2794	0.952189	1
Ercc8_j1	0.884701	0.791307	-0.160951	0.610825	0.846628
XLOC_008373	0.0960588	0.110971	0	1	1
Elovl7	10.1029	7.97242	0	1	1
Mier3_j3	0	0.125896	0	1	1
Il6st_j4	7.68856	14.9866	0	1	1
XLOC_008392	0.0360505	0.0543554	0.592406	0.689749	1
XLOC_008400	0	0.1108	1.79769e+308	0.0361407	1
Emb_j3	18.0488	19.0029	0.0743158	0.628894	0.855705
Hcn1_j3	0.139345	0.288539	1.05011	0.317139	0.66048
Akr1e1_j1	0.133642	0.101006	-0.403933	0.392804	1
Wdr37_j2	1.80137	1.33803	0	1	1
Gtpbp4_j4	0	0.88389	1.79769e+308	7.11E-06	0.0002306
Ryr2_j4	1.95724	1.41944	-0.463497	0.0062648	0.0606068
Ryr2_j8	0.213738	0.45647	1.09468	1.06E-06	4.35E-05
Mtr_j1	6.35E-05	0.0571611	9.815	0.788216	1
Actn2_j3	0.0359209	0.0991286	1.46448	0.127514	1
Actn2_j9	0	0.0506879	1.79769e+308	0.1142	1

Lgals8_j4	16.0914	24.4044	0	1	1
Gpr137b	0.520916	1.55359	0	1	1
Ggps1	9.45937	9.3018	0	1	1
Hecw1_j2	14.6541	11.1296	0	1	1
Cdk13_j3	2.67039	2.60916	-0.0334666	0.886934	0.964085
Cdk13_j4	2.08689	2.33737	0.163528	0.389403	0.71658
Pou6f2_j1	0	0.0473988	1.79769e+308	0.0751232	1
Stard3nl	4.93102	8.87689	0.848167	0.0006873	0.0105683
Zfp187_j3	0.567429	0.651838	0	1	1
Zfp187_j4	0.569368	0.837904	0	1	1
Zfp322a_j2	0.654513	0.982846	0	1	1
Lrrc16a_j8	0.326745	0.279385	-0.22591	0.554878	0.817853
Nrsn1_j2	14.3644	16.321	0	1	1
XLOC_008472	0.600756	0.588498	-0.0297418	0.915634	0.973691
BC025054_j1	0	0.170729	1.79769e+308	0.0045343	0.0471812
BC025054_j2	0.061624	0.126979	1.04303	0.127045	1
BC025054_j3	0.127766	0.21494	0.75043	0.0823108	0.349548
Exoc2_j1	6.70839	6.76196	0	1	1
AK090209_j1	0.100336	0.143128	0.512467	0.671253	1
AK090209_j2	0	0.16284	1.79769e+308	0.0715648	0.321704
Gmds_j2	2.9661	2.2449	-0.401913	0.308512	0.653459
Serpinb6a_j2	4.50761	5.87833	0	1	1
Tubb2a_j1	179.723	133.195	0	1	1
Rpp40_j1	2.86594	2.70487	-0.0834492	0.758759	0.917041
Lymr4_j1	28.5655	27.0985	-0.0760587	0.630533	0.85633
Ssr1_j2	5.71753	6.64811	0.217554	0.0354516	0.207411
Slc35b3_j5	0	0.172701	1.79769e+308	0.0415525	0.229767
Tcfap2a_j4	0.28299	0.320847	0.181135	0.685458	0.882655
Gfod1_j2	0.210213	2.44446	0	1	1
Ranbp9_j2	0.344199	1.98441	0	1	1
Ccdc90a_j1	0.0518726	0.0866474	0.740184	0.397318	1
XLOC_008518	0.0931668	0.41108	2.14153	0.0472769	0.249594
Atxn1_j1	0.466447	0.394639	-0.241179	0.380591	0.711466
Atxn1_j2	0.158821	0.139572	-0.186392	0.681809	0.880565
Kif13a_j5	0.0571336	0.201017	0	1	1
Tpmt_j2	1.0451	1.66865	0.675049	0.0198502	0.140074
Ptpdc1_j1	1.32245	3.30422	0	1	1
Fam120a_j3	19.3598	19.3436	-0.00120752	0.991581	0.997559
Wnk2_j6	0	0.0868386	0	1	1
Wnk2_j7	0.57834	0.416665	0	1	1
Susd3_j1	0.0511787	0.225099	2.13695	0.106112	0.404436
Cenpp_j1	0.103593	0.139634	0.430727	0.70626	1
Shc3_j4	0	0.101819	0	1	1
Sema4d_j3	0.234499	0.46114	0	1	1
Sema4d_j4	1.09839	1.30819	0	1	1
Nfil3_j1	0.269434	0.645932	0	1	1
4833439L19Rik_j2	0.616034	0.300839	0	1	1

4833439L19Rik_j7	0.36301	2.42702	0	1	1
Cltb_j2	36.8829	49.1	0	1	1
Rnf44_j8	0.258288	0.22402	0	1	1
Rnf44_j9	2.71181	5.30273	0	1	1
Sncb_j3	0	0.376783 1.79769e+308	0.0021072	0.0260416	
Hk3_j5	0	0.0850157	0	1	1
Uimc1_j4	0.827039	1.56473	0.919883	0.0223343	0.152214
Pdlim7_j5	1.72927	0 -1.79769e+308	3.69E-34	1.26E-31	
Pdlim7_j10	0.323558	0.312928	-0.0481921	0.954994	0.987081
Ddx41_j3	0.0614698	0.106111	0	1	1
Fam193b_j3	2.13774	2.5208	0	1	1
Fam193b_j6	0	0.183288	0	1	1
XLOC_008578	0.0101876	0.147113	3.85204	0.256944	1
Spock1_j6	5.78688	5.18943	0	1	1
Klhl3_j9	0.0343576	0.119497	1.79827	0.0158018	1
XLOC_008582	0.720068	0.584115	-0.30188	0.299578	0.646333
Ubqln1_j1	0.180181	0.175445	0	1	1
Gkap1_j8	0.557681	0.60534	0.118304	0.792431	0.930853
Kif27_j1	0.000660792	0.17433	8.04341	0.625372	0.853869
Hnrnpk_j5	0.543251	0.887365	0	1	1
Agtpbp1_j4	0.465044	1.17087	1.33214	8.97E-06	0.0002831
Zcchc6_j4	0.115646	0.128595	0	1	1
XLOC_008599	0.579254	0.315862	-0.874903	0.101432	0.394501
Zfp934_j1	0	0.671566	0	1	1
6720489N17Rik_j1	0.148228	0.118969	0	1	1
XLOC_008604	0.142631	0.170459	0	1	1
XLOC_008604	0.208479	0.142911	0	1	1
AK139826_j1	0.117079	0.106067	0	1	1
AK139826_j2	0.1856	0.212864	0	1	1
Fancc_j1	0.20847	0.184067	-0.179607	0.800593	0.93355
Fancc_j2	0.148619	0.38181	1.36124	0.0294107	0.183244
Fancc	0.281164	0.514588	0.872005	0.068349	0.313025
Ptch1_j5	0.699624	0.486276	0	1	1
Slc35d2_j7	0.0984679	0.384884	1.9667	0.0041455	0.044054
Cdc14b_j3	1.47086	1.6087	0	1	1
Hiatl1_j1	3.07548	3.0977	0.010383	0.963752	0.989792
Zfp712_j3	0	0.0777218 1.79769e+308	0.0207142		1
Zfp708_j5	0.101006	0.0969043	-0.059814	0.929123	1
Zfp458_j4	0.17265	0 -1.79769e+308	2.02E-05	0.0005581	
Zfp458_j3	0	0.0969438 1.79769e+308	0.0139552		1
Zfp953	0.232316	0.26435	0.186359	0.783662	0.9271
Rsl1_j3	0.447765	0.32832	-0.447639	0.375721	0.707996
Rsl1_j4	0	0.177375 1.79769e+308	0.0204965	0.143276	
Zfp58_j1	0.110673	0.583748	2.39905	0.0002821	0.005083
Zfp58_j2	0	0.172489 1.79769e+308	0.0091245	0.0800631	
Adcy2_j1	0	0.111795	0	1	1
Srd5a1_j1	2.77628	3.26175	0	1	1

Srd5a1	3.05107	2.79161	0	1	1
BC018507_j4	0.150891	0.959938	0	1	1
Adamts16_j5	0.0342849	0.0553852	0.691929	0.593141	1
Adamts16_j8	0.110218	0.134587	0.288182	0.640154	1
Ndufs6_j1	18.3044	20.1316	0.13727	0.249449	0.596861
Trip13_j2	0.0629715	0.113167	0.845683	0.512155	1
Trip13_j4	0.17563	0.170669	-0.0413359	0.961473	0.989105
Cep72_j3	0	0.0953363	1.79769e+308	0.0577854	1
Ahrr_j2	0.00968135	0.092361	3.254	0.0366058	1
Sdha_j2	0.394926	1.86001	0	1	1
Cast_j7	0.292035	1.39731	0	1	1
Arsk_j1	0	0.217647	1.79769e+308	0.0151841	0.115936
Ankrd32_j2	0.000451851	0.0849913	0	1	1
AK053270	0.140694	0.122959	-0.194384	0.860182	0.95576
Rasa1_j5	1.43415	0.400319	0	1	1
Msh3_j1	1.2504	1.24023	0	1	1
Msh3_j4	1.73716	1.72649	0	1	1
Papd4_j6	0.40977	0.485764	0.245441	0.714209	0.896527
Pde8b_j3	1.14331	0.610898	0	1	1
Pde8b_j2	1.25316	1.37555	0	1	1
Sv2c_j5	0	0.312761	0	1	1
Nsa2_j3	0.630745	0.577906	0	1	1
Hexb_j1	39.3346	41.1088	0	1	1
Rgnesf_j3	3.18395	3.69185	0.213527	0.234799	0.582023
Rgnesf_j4	0.0683564	0	-1.79769e+308	0.0008518	1
Rgnesf_j5	0.896321	0.931755	0.0559354	0.824742	0.943424
Rgnesf_j6	1.47621	1.57197	0.0906762	0.621023	0.851431
Btf3_j4	0.642338	1.30945	1.02755	0.118273	0.428203
Ptcd2_j3	0	0.482749	0	1	1
Cartpt_j3	0	0.0791274	1.79769e+308	0.143967	1
Mccc2_j2	0.336272	0.83993	1.32064	0.0062629	0.0606004
Bdp1	0.378606	0.388658	0.0378033	0.88433	0.963396
Marveld2	0.378917	0.391157	0.0458648	0.906153	0.97031
Rad17_j2	0.240835	0.645337	0	1	1
Rad17_j1	2.75357	0.391974	0	1	1
Slc30a5_j3	5.18085	3.52519	0	1	1
Pik3r1_j1	11.5077	15.0968	0	1	1
Pik3r1	4.14034	4.11865	0	1	1
Mast4_j2	0.0635613	0.0840574	0	1	1
ErbB2ip_j4	0	0.123034	0	1	1
ErbB2ip_j5	0	0.0617072	0	1	1
Cwc27_j1	2.11017	3.02131	0.517814	0.0778515	0.337832
Rgs7bp_j5	0	2.0962	0	1	1
Rgs7bp_j8	39.0447	33.101	0	1	1
Rnf180_j5	1.50731	1.31252	0	1	1
Kif2a_j4	7.55254	9.28116	0	1	1
Ndufaf2	17.9939	15.4771	-0.21737	0.108146	0.408811

Rab3c	9.2342	10.991	0	1	1
Gppb1_j3	6.54918	6.18757	0	1	1
Map3k1_j1	0.346824	0.548796	0	1	1
Map3k1_j2	0.237721	0.128941	0	1	1
Itga1_j2	0.163692	0.116347	-0.49255	0.498786	0.78413
Parp8_j8	1.18107	1.30184	0.140457	0.634512	0.858242
XLOC_008059	0.859003	0.876307	0.0287728	0.95867	0.988071
Asb13_j2	0.386881	0.487365	0	1	1
Heatr1_j2	0.211233	0.00226649	0	1	1
Heatr1_j3	0	0.0935913	0	1	1
Ero1lb_j2	0.0674492	0.0758188	0	1	1
Lyst_j1	0.811095	0.764969	0	1	1
Psm2_j1	0.397413	0.353587	-0.168574	0.572056	0.827134
Psm2_j5	0.407462	0.131351	-1.63323	0.314012	0.658298
2810021B07Rik_j2	1.07146	1.6693	0.639664	0.128215	0.44626
XLOC_008087	0.0729453	0.132801	0.86438	0.48029	1
Amph_j2	2.26053	1.85913	-0.282036	0.29593	0.642657
Elmo1_j5	2.58676	2.8424	0.135962	0.542289	0.810117
Aoah	0.0369484	0.158643	2.1022	0.0330043	0.197926
Zscan12	1.51998	1.57663	0.0527924	0.815153	0.9398
D130043K22Rik_j3	4.40451	3.08595	0	1	1
XLOC_008119	0.18779	0.0840257	0	1	1
AK020728_j6	0.498704	0.447534	0	1	1
XLOC_008128	0.0251575	0.273797	3.44405	0.0200075	0.140868
XLOC_008128	0.0697036	0.276024	1.98549	0.0843839	0.354539
XLOC_008128	0	0.132932	1.79769e+308	0.118216	1
Wrnip1_j1	19.0798	25.1342	0.397606	0.0014983	0.0197253
Serpinb9_j2	0.153867	0.73442	2.25492	4.79E-05	0.0011513
Bphl_j1	11.6056	14.3438	0	1	1
Prpf4b_j5	0.678959	1.18105	0	1	1
XLOC_008151	0.160884	0.233788	0.539177	0.357414	0.693302
Pak1ip1_j5	5.07032	6.64614	0	1	1
Hivep1_j3	1.19457	0.429497	-1.47577	2.30E-09	1.81E-07
Hivep1_j5	0.0940922	0.0371939	-1.33901	0.0733775	1
Edn1	0.0882792	0.202397	1.19704	0.064327	0.301189
XLOC_008186	0.659804	0.924919	0.48729	0.204713	0.548976
Bicd2_j3	0.916145	1.92716	1.07283	1.32E-07	6.86E-06
S1pr3_j3	19.2423	24.3725	0	1	1
Sykb_j2	0	0.128586	1.79769e+308	0.0458574	1
Tspan17_j2	2.35495	4.21307	0.839176	0.0020203	0.0251843
Tspan17_j8	54.6152	82.8848	0.601804	1.11E-08	7.70E-07
Unc5a	0.785424	0.823277	0	1	1
Zfp346_j3	0.00927871	0.340592	0	1	1
Prelid1_j1	49.4634	55.0855	0.155313	0.172499	0.510021
Tmed9_j2	0	0.875089	1.79769e+308	0.0002188	0.004127
B4galt7	1.09871	0.987858	0	1	1
AK043531_j2	0.681179	0.711127	0	1	1

Smad5_j1	0.000915713	0.103027	0	1	1
5133401N09Rik_j1	8.12634	7.4997	-0.115774	0.639367	0.860441
Ntrk2_j1	6.51446	8.36149	0	1	1
Ntrk2_j2	5.81332	3.67278	0	1	1
Ntrk2_j5	0.694137	0.942716	0	1	1
Naa35_j2	13.8658	16.3757	0.240025	0.0706408	0.319497
Dapk1_j3	3.6754	3.34982	0	1	1
2010111I01Rik_j1	16.0741	19.3437	0	1	1
XLOC_008255	0.147347	0.136914	0	1	1
0610007P08Rik_j8	0.749843	0.561505	0	1	1
Habp4_j1	1.10974	1.38579	0.320495	0.462818	0.763401
AK002708_j2	0.0167805	0.117919	0	1	1
Zfp369_j7	0.0976476	0.144705	0.567463	0.260005	1
Zfp493_j1	0.0734265	0.0346914	-1.08172	0.605338	1
Zfp273_j2	0.160707	0.422219	1.39356	0.0110037	0.0919408
Med10_j2	18.8689	23.4934	0.316247	0.0328856	0.197493
Slc9a3_j3	0	0.0985253	1.79769e+308	0.0041718	1
Slc9a3_j2	0.0733767	0.104863	0.515113	0.460091	1
Eil2_j2	3.6009	5.25013	0	1	1
Mctp1_j1	0.421287	0.35113	-0.262798	0.379358	0.710836
Mctp1_j6	0.668337	0.866154	0.374048	0.155685	0.488975
Fam172a_j1	0.470516	0.37077	0	1	1
Fam172a_j4	0	0.308982	0	1	1
Mblac2_j1	4.11207	3.22369	0	1	1
Cetn3_j1	0.105964	0.12851	0.278307	0.850137	1
Ccnh_j1	6.66939	5.60803	0	1	1
Ssbp2_j8	0	0.211971	1.79769e+308	0.0337317	0.200869
Homer1_j1	1.11941	1.16171	0.0535049	0.829843	0.944999
Lhfp12_j4	0.946942	1.06174	0	1	1
Ap3b1_j3	1.32696	1.29209	-0.0384077	0.874406	0.960101
Ap3b1_j2	0.392422	0.975865	1.31427	7.54E-05	0.0016839
Ap3b1_j5	0.569159	0.631798	0.150631	0.67592	0.878059
Tbca_j3	3.00899	5.12863	0	1	1
Tbca_j5	30.9666	32.9128	0	1	1
Wdr41_j1	1.04595	0.510478	0	1	1
Wdr41_j3	3.64132	2.89335	0	1	1
Zbed3_j2	1.92706	1.97846	0.037973	0.877029	0.96086
Gcnt4_j1	0.0133081	0.29467	4.46873	0.0001776	0.0034783
Gfm2_j2	0.287484	0.27869	0	1	1
Gm9828_j2	0	0.148991	1.79769e+308	0.0071273	1
Gm9828_j1	0.0899223	0.0944892	0.07147	0.953707	1
XLOC_008350	0.0904713	0.100159	0.146761	0.866446	1
Mrps27_j1	1.38592	1.42334	0	1	1
Taf9_j1	22.1632	25.727	0	1	1
3830408C21Rik_j12	0.188912	0.391298	1.05056	0.261668	0.610795
Ercc8	1.69994	1.46209	-0.217457	0.349909	0.687511
XLOC_008373	0.0326821	0.114648	0	1	1

Elovl7	1.09018	0.860332	0	1	1
Pde4d_j1	0.0832031	0.116422	0.484659	0.703528	1
Mier3_j5	0.841887	0.728157	0	1	1
Il6st_j3	0.367336	0.303466	0	1	1
Ppap2a_j1	11.8068	9.98899	0	1	1
BC016423_j3	57.4423	57.0761	0	1	1
Net1_j2	0.210583	0.389434	0.886992	0.0405526	0.22589
Zmynd11_j4	0.15844	0.94969	0	1	1
Chrm3_j1	0.0327593	0.301773	3.20349	1	1
Ryr2_j11	0	0.0781195	1.79769e+308	1.99E-05	1
Mtr_j2	2.68533	2.9523	0.136744	0.336958	0.677294
Lgals8_j1	7.90977	2.53358	0	1	1
Hecw1_j5	0.313325	0.185573	0	1	1
5033411D12Rik_j1	0.265825	0.405522	0.609305	0.330676	0.672484
5033411D12Rik_j2	0.0879151	0.112782	0.359349	0.600453	1
5033411D12Rik_j5	0.000822903	0.0579003	6.1367	0.317896	1
AK038969_j2	0	0.107395	1.79769e+308	0.0731993	1
Cdk13_j2	2.39725	2.19072	-0.129977	0.467791	0.766747
Rala_j3	0.589001	1.20697	0	1	1
Zfp187_j7	2.49182	4.30629	0	1	1
Zfp187_j6	0.499965	0.255447	0	1	1
Zfp192_j2	1.88458	1.75072	0	1	1
Zfp322a_j3	0.25483	0.454655	0	1	1
Hist1h2be	0.443013	1.04104	0	1	1
Aldh5a1_j1	0.753006	0.584531	0	1	1
Mrs2_j1	1.03677	1.94122	0	1	1
XLOC_008472	0.423061	0.304196	-0.475865	0.430265	0.743094
Cdkal1_j2	0.00218434	0.836264	8.58062	0.105359	0.403145
Exoc2_j2	6.97308	8.26821	0	1	1
Serpib1a_j5	2.52805	5.58253	1.1429	1.15E-07	6.06E-06
Serpib6a_j5	8.58138	11.7024	0	1	1
Serpib6a	22.2761	23.3655	0	1	1
Serpib6a_j6	0.811658	1.42339	0	1	1
Tubb2b_j2	145.16	210.18	0	1	1
1300014I06Rik_j2	2.2499	5.46422	0	1	1
Peci	1.62331	1.64142	0	1	1
Nrn1_j3	0	0.0962884	0	1	1
Ccdc90a_j2	1.04577	1.13987	0.124296	0.644773	0.863009
AK034282_j1	0.160138	0.183126	0.193522	0.860446	0.955855
Zfp169	0.05654	0.43011	0	1	1
Ptpdc1_j2	0.289253	0.318843	0	1	1
Ptpdc1_j7	2.53684	1.98406	0	1	1
Fam120a_j1	3.60351	3.36493	-0.0988278	0.635088	0.858471
Fgd3_j1	0.116318	0.221872	0.931658	0.0759132	0.332839
XLOC_008543	0.277215	0.323776	0.223989	0.779159	0.925601
Sema4d_j2	0.169235	0.137247	0	1	1
Sema4d_j1	0.321022	0.187699	0	1	1

Auh_j2	0.299689	3.28458	0	1	1
Auh_j3	0.00170303	4.36567	0	1	1
Auh	15.7237	14.3241	0	1	1
Nfil3_j3	0.0197375	1.07381	0	1	1
4833439L19Rik_j3	23.7204	27.6991	0	1	1
4833439L19Rik	11.4819	9.22295	0	1	1
Nop16_j2	0.0808041	0.22329	1.46642	0.240203	0.587475
Rnf44	4.43366	4.77713	0	1	1
Hk3_j3	0.149831	0.173753	0	1	1
Hk3_j4	0	0.170635	0	1	1
Hk3_j6	0	0.0637415	0	1	1
Uimc1_j5	0	0.21718	1.79769e+308	0.0127224	0.102403
Mxd3_j1	22.8055	26.2019	0.200289	0.0563164	0.277694
Pdlim7_j9	5.85342	7.45641	0.349202	0.136688	0.459705
Ddx41_j1	0.34605	0.777289	0	1	1
Fam193b_j4	0.328902	0.123424	0	1	1
Trp7_j6	0	0.0911479	1.79769e+308	0.0172526	1
Trp7_j8	0.051286	0.0441933	-0.214736	0.857226	1
Trp7_j7	0.0385475	0.209501	2.44225	0.005189	0.0521674
AK045807	0.0432433	0.11755	1.44272	0.348523	1
Ctla2a_j1	2.0731	4.02966	0.95887	0.0209862	0.145695
Ctla2a_j2	0.561061	0.958376	0.772434	0.134341	0.456189
Slc35d2_j1	0.12963	0.419167	1.69312	0.0145073	0.112282
Cdc14b_j1	0.269302	0.208574	0	1	1
Cdc14b_j2	1.51684	1.29667	0	1	1
Cntnap3_j5	0.291155	0.0910997	-1.67627	0.0041497	0.0440735
Zfp708_j1	0	0.0591901	1.79769e+308	0.0542776	1
Zfp708_j9	0.082985	0.17867	1.10638	0.345366	0.684733
Zfp458_j5	0.208122	0.190356	-0.128728	0.794152	0.931387
Zfp458_j7	0.0511908	0.113974	1.15475	0.13597	1
Zfp874b_j5	0.0925616	0.276856	0	1	1
A530054K11Rik_j1	2.49634	2.74428	0.136613	0.335547	0.676258
Adcy2_j2	0	3.07389	0	1	1
Adcy2_j3	0.253914	0.291198	0	1	1
Adamts16_j2	0.0166145	0.065279	1.97418	0.207168	1
Nkd2_j1	0	0.0773799	1.79769e+308	0.0166491	1
Trip13_j3	0	0.0944067	1.79769e+308	0.0979369	1
Exoc3_j4	13.0079	12.637	0	1	1
XLOC_008661	0.46748	0.161017	-1.53769	0.0346684	0.204522
Cast	8.35492	8.77841	0	1	1
Rhobtb3_j1	0.100486	0.239166	0	1	1
Arsk_j6	2.41E-05	0.133767	12.4411	0.971134	1
Rasa1_j2	9.08906	9.30264	0	1	1
Xrcc4_j1	0.497865	0.930049	0.901551	0.0562435	0.277482
Atp6ap1l_j1	0.0601535	0.255816	2.08838	0.187866	0.52901
Atp6ap1l_j3	0	0.281568	1.79769e+308	0.0241968	0.160606
Rasgrf2_j8	1.16041	2.33704	0	1	1

Scamp1_j1	32.3134	28.8502	0	1	1
Pde8b_j5	0	0.53581	0	1	1
Polk_j2	0.0408938	0.0560033	0	1	1
Hmgcr_j4	16.3381	21.408	0	1	1
Btf3_j1	5.14284	4.99124	-0.0431673	0.808974	0.937258
Btf3_j5	13.5016	15.4062	0.190381	0.377705	0.709365
Fcho2_j1	0.505604	0.6148	0	1	1
Fcho2_j2	0.115707	0.0743114	0	1	1
Tnpo1_j4	1.3022	0.903316	-0.527644	0.167615	0.504117
Tnpo1_j7	0.0955131	0.113792	0.25263	0.847273	1
Cartpt_j1	0.0687853	0.140198	1.02729	0.51984	1
Bdp1_j5	0.287858	0.206539	-0.478943	0.171739	0.508904
Slc30a5_j4	0.109872	0.238198	0	1	1
Mast4_j1	0.543708	0.769854	0	1	1
Mast4_j7	0.0167652	0.217242	0	1	1
Mast4_j8	0.0392322	0.124467	0	1	1
Erbp2ip_j3	1.43113	1.91977	0	1	1
2410002O22Rik_j1	0	1.7958	0	1	1
Rgs7bp_j1	0	1.32694	0	1	1
Rnf180_j1	0.496024	0.462315	0	1	1
Kif2a	2.67228	1.98271	0	1	1
Zswim6_j1	1.29517	1.80856	0.481695	0.0407027	0.226441
Rab3c_j1	2.81936	3.79816	0	1	1
Map3k1_j6	0.923811	0.756344	0	1	1
Ddx4_j1	0	0.0625494	1.79769e+308	0.0729552	1
Skiv2l2_j4	0.719271	3.37887	0	1	1
Ndufs4_j2	21.493	23.4445	0.125385	0.252568	0.600518
Fst_j1	1.87962	7.05066	1.90732	0	0
Itga2_j6	0.0869502	0.14176	0.705188	0.52075	1
Itga1	0.339844	0.268333	-0.340847	0.251091	0.598953
Isl1_j2	11.8737	12.4005	0	1	1
Parp8_j1	0.433623	0.367086	-0.240322	0.439583	0.74915
Parp8_j6	3.93172	4.64244	0.239725	0.129922	0.448911
2810429I04Rik_j1	0.0982602	0.127225	0.372706	0.665196	1
Dip2c_j3	0.12842	0	-1.79769e+308	5.02E-07	1
XLOC_008076	0.201348	0.0991966	-1.02133	0.475572	0.771443
Psm2_j2	32.9725	35.713	0.115189	0.450699	0.756228
AW209491_j1	0	0.849678	0	1	1
2810021B07Rik	0.598803	0.399335	-0.584481	0.151742	0.483048
XLOC_008086	0.80617	0.795055	-0.0200297	0.939849	0.981755
XLOC_008087	0	0.115689	1.79769e+308	0.0502759	1
Vps41_j2	0	0.137069	0	1	1
Sfrp4_j3	0	0.254784	1.79769e+308	0.0364998	0.21121
Elmo1_j3	11.2401	8.12864	-0.467572	0.0004501	0.0074608
Aoah	0.123815	0.105606	-0.229499	0.872796	1
Aoah_j3	0	0.182048	1.79769e+308	0.0144486	0.11197
Gm11274_j1	0	0.189726	1.79769e+308	0.0094258	0.0820157

Fam65b_j3	0.0209345	0.0934374	2.15812	1	1
XLOC_008130	0.268175	0.436399	0.702473	0.370353	0.703609
Serpib9_j1	2.43666	1.90514	-0.355013	0.0555141	0.27529
Cdyl_j1	0.159423	0.232069	0.541691	0.402248	0.725446
Fars2_j2	10.0909	10.1395	0.00692076	0.957993	0.987996
XLOC_008140	0.122931	0.184935	0.589172	0.580481	0.831589
Rreb1_j6	0	0.0554691	1.79769e+308	0.007503	1
Rreb1_j8	0.212451	0.219709	0.048465	0.918633	0.974658
Pak1ip1_j1	0.54958	0.796736	0	1	1
Sirt5_j3	0.40947	0.382123	-0.0997195	0.900445	0.968327
Nol7_j1	15.5862	16.2457	0	1	1
Nol7_j2	1.92062	1.81972	0	1	1
Cd83_j1	0.194135	0.241414	0.314447	0.634783	0.858242
Jarid2_j4	0.0202073	0.557694	4.78653	1.67E-07	8.41E-06
Jarid2_j5	1.07396	1.53426	0.514598	0.0589115	0.285415
Rnf144b_j5	0.156064	0.594817	0	1	1
Gm8619_j1	0.238286	0.26277	0.141104	0.835209	0.946964
Bicd2_j5	0	0.184894	1.79769e+308	0.0012196	0.0167593
Nol8_j4	2.25749	2.9655	0	1	1
Fbxw17_j2	1.10428	1.35684	0	1	1
Nxnl2_j3	0.273016	0.550884	1.01276	0.148123	0.476931
S1pr3_j1	27.7164	26.5852	0	1	1
Gadd45g_j2	0.115541	0.603889	2.38588	0.151271	0.48235
Sykb	0.0902937	0.17986	0.994179	0.0565889	0.278347
Sykb_j6	0.142755	0.211542	0.5674	0.28921	0.636786
AK030238_j3	0.261237	0.282572	0.113259	0.822378	0.942695
Sfxn1_j2	0.840427	1.04675	0	1	1
Arl10_j1	0.0194474	0.0580148	1.57684	0.294483	1
Tspan17_j7	25.5282	33.7232	0.401649	0.0007786	0.0117246
Zfp346_j2	0.0809788	0.505436	0	1	1
CamI_j1	13.4951	16.9632	0.329972	0.02398	0.159678
Ddx46_j2	1.13875	1.01172	-0.170644	0.522835	0.799134
Catsper3_j1	0.0357899	0.124403	1.7974	0.190971	1
Fbxl21	0.314253	0.376061	0.259038	0.743867	0.91043
AK015814_j4	0.0416526	0.107621	1.36947	0.309005	1
AK015814_j6	0.048586	0.0739216	0.605454	0.675518	1
Rmi1_j1	3.31867	3.63454	0	1	1
Dapk1_j4	4.73224	5.39286	0	1	1
XLOC_008251	0.261381	0.332969	0	1	1
2010111101Rik_j2	14.4813	14.7592	0	1	1
0610007P08Rik_j5	0.0142746	0.0788096	0	1	1
AK002708_j1	0.0783716	0.282522	0	1	1
Zfp369_j6	3.24739	4.47883	0.463841	0.109034	0.410755
Zfp273_j1	0	0.29692	1.79769e+308	0.000267	0.0048634
1700001L19Rik_j2	0.135575	0.164113	0.275595	0.794627	0.931482
Mrpl36_j2	12.5325	13.4549	0.102458	0.471701	0.769131
Lpcat1_j2	5.32222	5.96607	0	1	1

AK017337_j1	0.0546428	0.125202	1.19615	0.393098	1
XLOC_008292	0.301938	0.41879	0.471974	0.257667	0.606446
Pcsk1_j1	1.97225	3.03667	0.622645	0.0093475	0.081531
Ttc37_j3	1.12664	2.22747	0	1	1
2210408I21Rik_j2	1.56227	1.38512	0	1	1
XLOC_008307	2.08002	1.93626	-0.103324	0.808936	0.937258
Lysmd3_j2	0.259279	0.297605	0.198893	0.663986	0.872726
Mef2c_j2	0.315528	0.000334118	0	1	1
Mef2c_j1	0.428187	1.19714	0	1	1
Tmem161b_j4	0.419045	0.364632	0	1	1
Ssbp2_j1	0	0.272671	1.79769e+308	0.030082	0.186072
Ssbp2	1.54626	1.40883	-0.134288	0.358338	0.693844
Mtx3_j1	3.05374	3.34677	0	1	1
Tbca_j6	12.6224	11.2327	0	1	1
Gfm2_j1	4.84788	4.47155	0	1	1
XLOC_008345	0	0.0988284	1.79769e+308	0.0887016	1
XLOC_008345	0	0.144817	1.79769e+308	0.065473	1
3830408C21Rik_j6	0	0.142701	1.79769e+308	0.0181648	1
Elovl7_j2	0.779777	1.54929	0	1	1
Mier3_j2	0.0490335	0.0604718	0	1	1
Mier3_j1	0.0679334	0.111113	0	1	1
Ankrd55_j2	0.197608	0.241347	0.288473	0.661843	0.871788
Arl15_j1	1.06167	0.910597	0	1	1
XLOC_008399	0.0924689	0.128454	0.47421	0.758582	1
Hcn1_j2	10.7433	9.47454	-0.181304	0.21299	0.55791
XLOC_008403	0.0851428	0.266397	1.64562	0.131793	0.451722
BC016423_j1	0.0994428	0.270403	0	1	1
BC016423_j5	0.468234	0.601997	0.362527	0.514765	0.793837
Net1_j4	0.263531	0.371234	0.494357	0.293846	0.640663
Akr1e1_j2	4.28443	4.41989	0.0449065	0.792822	0.931005
XLOC_008412	0.0468276	0.149517	1.67488	0.0388691	1
XLOC_008413	3.50E-07	0.297676	19.6986	0.999877	0.999918
XLOC_008413	0.0342969	0.214553	2.64518	0.238741	0.585819
Pfkp_j2	0	1.06367	0	1	1
Pfkp_j3	111.647	115.682	0	1	1
Wdr37_j1	2.48921	3.8364	0	1	1
Gtpbp4_j3	1.24394	2.76548	1.15261	0.0004229	0.0070836
Zmynd11_j8	4.99828	5.7446	0	1	1
Zmynd11_j9	0.214127	0.450898	0	1	1
Ryr2_j9	6.21484	5.36745	-0.211479	0.244439	0.592004
Ryr2_j10	0.413779	0.207929	-0.99277	0.0005764	0.0091761
Ryr2_j16	0.0337091	0.0931016	1.46567	0.308502	1
Actn2_j5	0	0.130496	1.79769e+308	0.0070201	1
Lgals8_j3	3.52414	3.3686	0	1	1
Lgals8_j2	3.37275	4.10264	0	1	1
Tbce_j2	0.0535539	0.0147314	0	1	1
Cdk13_j1	1.14413	0.947642	-0.271838	0.137902	0.461717

Rala_j2	11.964	19.7138	0	1	1
Epdr1_j1	70.0644	65.5479	0	1	1
Pgbd1	0.0270023	0.0942311	1.80312	0.121667	1
Pgbd1	0.112434	0.0804775	-0.482423	0.54933	1
Lrrc16a_j3	0	0.0738811	1.79769e+308	0.0086651	1
Acot13_j1	7.17479	6.77207	-0.0833405	0.421364	0.73755
XLOC_008472	0.422336	0.424301	0.00669735	0.987961	0.996422
XLOC_008473	0	0.126663	1.79769e+308	0.1044	1
XLOC_008473	0	0.181579	1.79769e+308	0.0172848	0.12725
BC025054_j10	0.146851	0.276313	0.911947	0.199197	0.542218
BC025054_j11	0.183835	0.0399082	-2.20365	0.0914922	0.371729
Serpinb6a_j10	22.1388	55.199	0	1	1
Serpinb6a_j11	2.8251	3.29114	0	1	1
Tubb2a_j5	9.98058	218.13	0	1	1
Tubb2b_j1	83.4779	150.24	0	1	1
1300014106Rik_j1	1.40109	3.6362	0	1	1
Peci_j5	0.907414	1.69683	0	1	1
Txndc5_j1	1.58303	3.2408	0	1	1
Slc35b3_j2	0.287387	0.383623	0.41669	0.512623	0.792284
Tcfap2a_j3	0.558559	0.600482	0.104411	0.759463	0.91718
Atxn1_j3	0.0156052	0.0872636	2.48335	0.0132528	1
AK039480	0.195545	0.1371	-0.512271	0.576949	0.829228
Ptpdc1_j5	4.69122	3.89445	0	1	1
Ptpdc1_j6	0.117303	0.30413	0	1	1
Phf2_j1	2.60794	2.5579	-0.0279502	0.893977	0.966325
Wnk2_j1	1.17622	0.990809	0	1	1
Fgd3_j4	0	0.093748	1.79769e+308	0.029019	1
Fgd3_j3	0.318234	0.319713	0.00668957	0.98795	0.996422
Auh_j4	4.37971	5.42168	0	1	1
Auh_j5	0.507646	0.478537	0	1	1
Nfil3_j2	0.993066	3.93507	0	1	1
Ror2_j1	0.698246	0.895724	0	1	1
Sptlc1_j1	1.76177	2.46347	0.483669	0.0810579	0.346632
Cltb_j1	0.591238	0.546256	0	1	1
Rnf44_j7	0.688668	1.41758	0	1	1
Gprin1_j1	0	0.0925362	0	1	1
Sncb_j2	14.0792	14.1644	0.00869505	0.95752	0.987909
Hk3_j1	1.11174	1.21596	0	1	1
Uimc1_j1	0.316412	0.402676	0.347814	0.591692	0.83728
Uimc1_j3	0.0496458	0.290291	2.54776	0.0043917	0.0460917
Uimc1_j2	0.328746	0.527621	0.68253	0.169528	0.506494
Rab24_j1	0.156069	0.246843	0.661413	0.141842	0.468503
Dbn1_j1	0	0.334763	0	1	1
Pdlim7_j12	0.343052	0.00261534	-7.03529	0.595632	0.838891
Fam193b_j5	1.13354	1.34506	0	1	1
H2afy	4.47231	5.22661	0	1	1
Cxcl14_j1	0	0.0867543	1.79769e+308	0.0776075	1

Spock1_j1	0.50256	0.693017	0	1	1
Klhl3_j6	0.0956128	0.171214	0.840522	0.145368	0.473254
Klhl3_j11	0	0.141189	1.79769e+308	0.0977913	1
Klhl3_j12	0.299211	0.262015	-0.191513	0.748824	0.912687
Hnrnpk_j1	45.4773	43.3534	0	1	1
Hnrnpk_j9	0.155225	0.171985	0	1	1
Agtpbp1_j5	0.182295	1.23123	2.75576	8.27E-12	1.03E-09
Agtpbp1_j6	0.418961	0.539872	0.3658	0.320113	0.66344
Zcchc6_j6	3.33202	4.3868	0	1	1
Zcchc6_j7	0.327463	0.116833	0	1	1
Ctla2a	3.50319	8.12293	1.21333	2.78E-07	1.33E-05
Gm3604_j1	0.422792	0.319381	-0.404669	0.369704	0.703138
Zfp934_j2	0.943903	0.865896	0	1	1
Fbp1_j1	0.123028	0.266845	1.11702	0.275777	0.624703
Fbp1_j2	0.261054	0.293664	0.169817	0.777362	0.924696
Slc35d2_j4	0.163429	0.167082	0.0318855	0.970544	0.991668
Ctsl_j1	64.646	53.5728	0	1	1
Cntnap3_j3	0.77926	1.02319	0.392895	0.0847735	0.355482
Uqcrb	8.16264	7.91145	0	1	1
Zfp708_j3	0	0.0638916	1.79769e+308	0.0718854	1
Zfp708_j6	0.232311	0.310518	0.418621	0.461772	0.762976
Zfp458_j8	0.190841	0.0758048	-1.33201	0.0834374	0.352255
Zfp458_j9	0	0.0702166	1.79769e+308	0.033008	1
Zfp595_j2	0	0.295688	1.79769e+308	4.89E-06	0.0001658
Zfp874b_j4	1.67816	1.78125	0	1	1
Mtrr_j1	0.072014	0.23316	1.69497	0.0419696	0.23135
A530095I07Rik	0.123256	0.204063	0	1	1
Adamts16_j6	0.066666	0.118388	0.828494	0.49169	1
Exoc3_j3	0	0.0872039	0	1	1
Ahrr_j4	0	0.0841493	1.79769e+308	0.0139856	1
Sdha_j1	46.8935	48.2197	0	1	1
XLOC_008659	0	0.0816296	1.79769e+308	0.11522	1
XLOC_008661	0.00586879	0.191585	5.02878	0.156604	0.49018
XLOC_008661	0.110203	0.197013	0.838128	0.492311	0.780929
XLOC_008661	0.341277	0.385086	0.174236	0.785758	0.928253
Cast_j3	8.7848	8.02451	0	1	1
Nr2f1_j1	0.102806	4.38765	0	1	1
Rasa1_j4	0.188576	0.330777	0	1	1
Cox7c_j4	23.543	23.4178	-0.00769251	0.96058	0.988869
Cox7c_j3	2.58593	3.08435	0.254282	0.280128	0.628973
Atp6ap1l_j2	1.3312	0.984369	-0.435455	0.528526	0.802073
4833422C13Rik_j2	0.642966	0.540719	-0.249863	0.363042	0.697188
Rasgrf2_j5	0.0411565	0.111013	0	1	1
Msh3_j3	1.23744	0.89718	0	1	1
Msh3_j2	0	0.460764	0	1	1
Zfyve16_j1	1.89651	1.68523	-0.170403	0.256421	0.60531
Papd4_j1	0.752111	1.16529	0.631674	0.0509943	0.261718

Papd4_j8	1.13543	1.43434	0.337154	0.46631	0.766007
F2rl1_j1	0.0737827	0.0728562	-0.0182297	0.986989	1
lqgap2_j3	0.137453	0.510448	1.89283	0.0001135	0.0023959
lqgap2_j5	0	0.118741	1.79769e+308	0.001131	1
Hmgcr_j2	11.9207	19.1971	0	1	1
Utp15_j2	0.527337	0.7308	0.470752	0.192264	0.534507
Tnpo1_j3	0	0.12197	1.79769e+308	0.0460376	1
Tnpo1_j2	4.49E-05	0.063768	10.4729	0.973133	1
Tnpo1_j6	0.0773386	0.114884	0.570914	0.592456	1
Cartpt_j4	12.9837	11.6345	-0.158298	0.316045	0.659956
Mccc2_j1	0.127062	1.10139	3.11572	2.57E-06	9.48E-05
Bdp1_j4	0.0769347	0.105896	0.460936	0.390208	1
Marveld2	0.298571	0.160687	-0.893822	0.244812	0.592355
Rad17	1.14354	3.69805	0	1	1
Slc30a5_j5	5.5132	7.47772	0	1	1
XLOC_008740	0	0.197737	1.79769e+308	0.0136112	0.107311
Mast4_j3	0	0.17639	0	1	1
Nln_j2	0.187317	0.202009	0.108942	0.855208	0.954239
Rgs7bp_j6	0.0867408	0.175199	0	1	1
Rgs7bp_j7	2.50914	0.89756	0	1	1
Rnf180_j4	0	0.108339	0	1	1
Gpbp1_j1	4.67712	4.64325	0	1	1
Gpbp1_j2	0	0.452007	0	1	1
Map3k1_j5	2.53549	2.32366	0	1	1
Il31ra_j5	0	0.514233	0	1	1
Il31ra_j7	1.82755	1.65846	0	1	1
Il31ra_j6	0	0.503453	0	1	1
Ddx4_j4	0	0.239657	1.79769e+308	0.0010074	0.0144036
Itga1_j1	0	0.0685958	1.79769e+308	0.0361108	1
XLOC_008773	0.0969492	0.0499179	-0.957672	0.350796	1
Parp8_j7	0	0.0565373	1.79769e+308	0.100499	1
Gm17048	8.76405	13.9146	0.666927	2.82E-06	0.000103
Gm17128	6.55691	11.6554	0.829909	4.38E-08	2.62E-06
Gm5456	35.2256	56.2726	0.67581	1.52E-11	1.79E-09
Gm17121	41.9934	64.731	0.624294	1.62E-10	1.57E-08
Gm8396	2.74123	3.22645	0.235122	0.282299	0.630871
Flnb_j2	1.38959	0.930064	0	1	1
Flnb_j6	1.15144	0	0	1	1
Flnb_j7	2.39005	2.6445	0	1	1
Abhd6_j1	4.93388	4.65056	-0.0853177	0.692973	0.886259
Rpp14	1.97887	1.78759	-0.146663	0.364266	0.698391
Kctd6_j2	21.6614	18.0786	-0.260843	0.0273606	0.174853
Ptprg	3.59911	3.00188	0	1	1
Ptprg	4.50791	4.6823	0	1	1
3830406C13Rik	0.101553	0.0654406	-0.633973	0.746213	1
3830406C13Rik_j7	2.49697	3.17103	0.344775	0.307011	0.652122
Gm5457	5.36939	4.96309	-0.113518	0.666508	0.873739

Synpr	96.6489	69.4897	-0.475954	4.28E-08	2.57E-06
Atxn7_j2	0.103099	0.0246739	-2.06298	0.0512626	1
Atxn7	0.638361	0.619006	-0.0444183	0.862446	0.956422
Atxn7_j1	0.0777498	0.0794739	0.0316424	0.960842	1
Il3ra_j7	0.320902	0.582336	0.85972	0.133675	0.455069
Il3ra_j10	0.566783	0.738406	0.381618	0.337292	0.677824
Il3ra_j15	0.219556	0.46911	1.09534	0.0566874	0.278516
Slc4a7_j2	0.18188	0	0	1	1
Slc4a7_j4	0.181293	0.27001	0	1	1
AK080648_j2	0.560343	0.416453	0	1	1
AK080648_j1	0.103514	0.132478	0	1	1
AK080648	0.178113	0.1505	0	1	1
XLOC_009555	0.137603	0.119186	0	1	1
Ngly1	14.3753	12.3634	-0.217517	0.0510443	0.26188
Top2b_j1	0.470878	0.260434	0	1	1
Top2b_j3	2.90144	2.4974	0	1	1
Top2b_j6	8.15735	10.6075	0	1	1
Thrb	0.217228	3.82E-05	-12.4727	0.898698	0.967622
Nkiras1	8.89337	6.76628	-0.394368	2.20E-05	0.0005998
Nid2	0.168798	0.119505	-0.498235	0.16349	0.498839
Nudt13_j2	0.110538	0.14545	0	1	1
Nudt13_j1	0.0255973	0.0980805	0	1	1
XLOC_009563	0.0546013	0.0591697	0	1	1
Fam149b	5.54262	4.76436	-0.218285	0.140982	0.466982
Sec24c_j6	2.58421	1.17827	-1.13305	6.41E-09	4.69E-07
Sec24c_j8	2.94216	2.6386	-0.157102	0.24605	0.593583
2310021P13Rik	6.19004	6.01827	0	1	1
2310021P13Rik_j4	0.54854	0.471907	0	1	1
Plau	2.70342	4.00559	0	1	1
Plau_j2	0.584369	0.671614	0	1	1
Vcl	7.29826	6.39707	0	1	1
Vcl_j4	1.32598	1.71903	0	1	1
Adk	0.205196	0.209412	0.0293382	0.967575	0.990858
Adk	110.816	103.331	-0.100885	0.252989	0.600981
Myst4_j3	0.123287	0	0	1	1
Myst4_j5	0.147083	0.0950961	0	1	1
Myst4_j9	0.763085	0.881172	0	1	1
Samd8	2.40113	1.76464	0	1	1
Samd8	1.89769	2.25478	0	1	1
Vdac2_j3	47.526	51.8974	0	1	1
1700112E06Rik_j3	0.87459	0 -1.79769e+308		2.68E-05	0.0007031
Rps24_j2	0.953965	1.04339	0	1	1
Rps24_j3	1.28258	0	0	1	1
Zmiz1	0.0449461	0.473151	3.39603	4.74E-08	2.81E-06
Zmiz1_j3	0.700309	0 -1.79769e+308		1.78E-14	3.28E-12
Zmiz1_j5	0	0.40534 1.79769e+308		4.68E-07	2.12E-05
Zmiz1_j7	1.61141	2.25614	0.485538	0.0571836	0.280191

Ppif	7.04623	6.77427	-0.0567872	0.721096	0.90017
Ppif_j2	8.39286	7.58649	-0.14573	0.43114	0.743472
Anxa11_j4	0.190864	0.0231015	-3.04649	0.0635465	0.298867
Anxa11_j3	18.6527	18.4701	-0.0141969	0.892325	0.965882
Fam116a_j1	3.49941	4.03325	0	1	1
Fam116a	1.23204	1.11863	0	1	1
Arf4	46.9549	52.3925	0.158084	0.0820786	0.349173
Il17rd_j1	0.0939694	0.0229893	-2.03123	0.261005	1
D14Abb1e	1.13721	0.844804	-0.428805	0.0072354	0.0675736
D14Abb1e_j7	1.01388	1.08859	0.102573	0.623079	0.852674
Erc2_j2	3.37683	4.62305	0	1	1
Erc2_j1	0.985878	0.0891363	0	1	1
Erc2_j12	7.87407	9.52586	0	1	1
Wnt5a_j1	0.478384	0.834906	0	1	1
Wnt5a	1.24021	1.26121	0	1	1
Wnt5a_j4	0.757694	0.539105	0	1	1
Selk	7.41512	7.27376	-0.027767	0.837954	0.948329
Actr8	0.564457	0.529858	-0.0912592	0.72989	0.904547
Chdh	0.208529	0.218189	0	1	1
Dcp1a	1.29584	1.14369	0	1	1
Tkt_j3	81.7019	87.0082	0	1	1
Tkt_j6	0.0854298	0.0719204	0	1	1
Rft1	0.125552	0.0154895	-3.01892	0.236486	1
Rft1	4.58633	4.62349	0.0116433	0.938878	0.981348
Sfmbt1	1.66484	1.94328	0	1	1
Sfmbt1_j1	0.329569	0.210301	0	1	1
Sfmbt1_j3	0.750222	0.55703	0	1	1
Tmem110_j1	0.393562	0.477399	0.278603	0.512884	0.7923
Tmem110_j2	0.329094	0 -1.79769e+308		1.54E-10	1.50E-08
Mustn1	1.42941	2.185	0.612212	0.004865	0.0496708
XLOC_009601	0.238335	0.0860291	-1.4701	0.133297	0.454257
Nek4	1.00306	0.961339	-0.0612918	0.800774	0.933693
Glt8d1	2.70329	2.38582	0	1	1
Glt8d1_j1	5.48963	5.18234	0	1	1
Pbrm1_j5	0.236755	0.158885	0	1	1
Nt5dc2_j1	1.00221	0.770628	-0.379085	0.174916	0.513197
Tnnc1_j2	0.0511094	0	0	1	1
Tnnc1_j7	0.171417	0.182457	0	1	1
Tnnc1_j6	0.0857488	0	0	1	1
Tnnc1_j8	0.41842	0	0	1	1
Sema3g	2.43124	2.83579	0	1	1
Bap1	30.4715	27.5868	-0.143484	0.111746	0.416081
Capn7	4.30502	3.80582	0	1	1
Eaf1	9.60689	10.9208	0	1	1
Btd	1.88109	2.23151	0	1	1
Btd_j1	1.05684	1.21856	0	1	1
D830044D21Rik_j1	0.0575196	0 -1.79769e+308		0.0543595	1

GalntI2	0.182995	0.441578	1.27086	0.0001127	0.0023815
Oxnad1	1.76022	1.75848	-0.00142462	0.992481	0.997846
Ncoa4_j2	0.896762	0	-1.79769e+308	6.01E-08	3.48E-06
Parg_j2	2.22545	2.2364	0	1	1
Parg	4.67581	5.11242	0	1	1
Ogdhl_j1	4.57757	2.83466	0	1	1
Ogdhl_j2	3.94301	3.82528	0	1	1
Ercc6	0.332042	0.121124	-1.45488	0.000703	0.0107588
Ercc6_j1	0.291427	0.391888	0.427308	0.143012	0.469978
Ercc6_j10	0.278446	0.127493	-1.12698	0.0184655	0.133443
Prrxl1	0.690063	0.37673	0	1	1
Prrxl1_j4	14.3168	8.99962	0	1	1
1810011H11Rik	0.146677	0.0965504	-0.603291	0.576461	0.829016
E130203B14Rik	1.19832	1.12294	-0.093731	0.712433	0.895739
Arhgap22_j1	1.96907	1.77772	0	1	1
Arhgap22_j2	0.471052	0.59328	0	1	1
Arhgap22_j4	0.272503	0.0832543	0	1	1
Arhgap22_j6	1.19544	1.24552	0	1	1
Glud1	51.7505	50.0917	-0.0470013	0.584559	0.833464
XLOC_009629	0.0818979	2.74E-06	-14.866	0.997661	1
XLOC_009629	0.0741426	0.0947025	0.3531	0.641391	1
Mmrn2	1.84151	1.49639	-0.299402	0.10303	0.397858
XLOC_009631	0.12449	0.0451875	0	1	1
Wapal	1.74848	1.66758	0	1	1
Wapal	2.57776	2.74708	0	1	1
Grid1_j1	1.39393	0.822882	-0.760405	0.0199179	0.140419
Grid1	1.77687	1.81847	0.0333835	0.83427	0.946759
Gm5057	0.336136	0.45044	0.422292	0.36302	0.697185
XLOC_009637	0.27476	0.057429	-2.25832	0.0814314	0.347588
Gm8104_j1	0.155405	0.0793713	-0.969343	0.498842	0.784147
Gm8104_j3	0.830617	0.295007	-1.49343	0.0017384	0.0223337
Gm5057_j1	0.130699	0.148894	0.188039	0.759397	1
Gpr137c	4.26408	3.72552	0	1	1
Psmc6	71.9535	70.5166	-0.0291018	0.739727	0.908719
Styx_j1	0.312408	0.34493	0.142874	0.521055	0.798005
Gm6580	8.67791	8.97268	0.0481916	0.749128	0.912835
Cdkn3_j2	1.74379	2.43704	0.4829	0.0004346	0.0072352
Samd4	0.182287	0	-1.79769e+308	2.77E-05	0.0007213
Socs4	2.40473	2.00535	0	1	1
Mapk1ip1l	14.8447	14.2164	-0.0623968	0.518689	0.79652
Lgals3	24.0535	48.3968	1.00866	0	0
Fbxo34	1.37106	1.12777	-0.281817	0.283524	0.631898
Fbxo34	1.27471	1.12755	-0.176976	0.509954	0.790883
Fbxo34_j4	0.0311828	0.101918	1.70859	0.126577	1
Ktn1_j6	5.77394	7.27763	0	1	1
Peli2	1.09785	0.951598	0	1	1
Peli2_j1	2.41759	2.35403	0	1	1

6720456H2ORik_j1	0.742902	0.584097	0	1	1
6720456H2ORik	1.4933	1.12443	0	1	1
Mudeng	3.38546	3.05705	-0.147212	0.235969	0.583297
Naa30	10.0568	8.7475	-0.201223	0.0536933	0.269984
Parp2	5.21763	5.52988	0.0838526	0.585535	0.833966
Apex1_j2	25.8369	27.4267	0.0861465	0.383534	0.713056
Pnp	0.379486	0.449106	0.243011	0.663637	0.872641
Pnp_j4	0.763076	0.846184	0.149144	0.762291	0.918113
Pnp2	4.38804	7.63582	0.799206	0.0003316	0.0058027
Rnase4	5.15951	10.026	0	1	1
Rnase4_j2	1.47424	4.26285	0	1	1
Mett11d1_j2	2.08431	2.09105	0.00465939	0.984402	0.995386
Mett11d1_j7	0.0362352	0.186946	2.36716	0.050845	0.261215
Slc39a2_j3	0.191823	0.204836	0.0946887	0.8727	0.959723
Slc39a2_j1	0.0673823	0.189023	1.48812	0.096611	0.383933
Arhgef40_j1	0.0957582	0.126731	0	1	1
Arhgef40_j5	0.981063	1.37489	0	1	1
Rpgrip1_j1	4.16429	5.16288	0.310108	0.0813536	0.347413
Tox4	0.338634	0.426989	0.334469	0.191822	0.534008
Tcra_j3	0.414274	0.143231	-1.53224	0.0646869	0.302381
Abhd4	60.9586	54.7136	-0.15593	0.0749547	0.330361
Oxa1l_j1	18.2032	16.9718	-0.101055	0.361333	0.695972
Mrpl52	14.1574	14.2411	0.00850033	0.951605	0.986024
Mmp14	2.7906	2.23329	-0.321404	0.0773802	0.336726
Mmp14_j1	8.93633	10.5113	0.234191	0.0384965	0.218356
Lrp10	14.3162	13.4441	0	1	1
Lrp10_j2	26.7383	27.4381	0	1	1
Rem2	9.10972	5.23565	-0.799038	2.14E-08	1.40E-06
Pabpn1_j6	16.2665	16.5162	0.0219816	0.849611	0.952228
Cmtm5_j4	0.556135	0.368855	-0.59238	0.0804909	0.345164
Cmtm5_j5	0.281787	0.269919	-0.062081	0.863576	0.956634
Ngdn	2.67099	3.43868	0.364479	0.122123	0.435216
Ngdn_j3	1.08983	1.15224	0.0803336	0.853308	0.953525
Dhrs2_j3	1.29232	0.912874	-0.501473	0.154461	0.487639
Cpne6	32.8998	31.032	-0.0843229	0.384108	0.71322
Cpne6_j7	1.96655	3.82484	0.959731	1.36E-05	0.0004036
Pck2	3.73013	3.46317	-0.107136	0.408279	0.728619
Pck2_j1	1.00652	0.920648	-0.128654	0.567155	0.82484
Dcaf11_j4	0.155857	0 -1.79769e+308		0.0047854	0.0491023
Dcaf11	15.3793	14.0392	-0.131527	0.231712	0.578797
Psme1	3.15768	3.18146	0.0108258	0.936868	0.980702
Rnf31_j4	2.02957	2.08422	0	1	1
Rnf31_j5	0.504405	0.367262	0	1	1
Rec8	0.26154	0.1435	-0.865984	0.160238	0.494798
Rec8_j2	0.163528	3.56E-06	-15.4865	0.99683	0.999085
Rec8_j3	0.0473343	0 -1.79769e+308		0.0782593	1
Gmpr2	7.44809	7.54741	0	1	1

2610027L16Rik	2.10415	2.64089	0	1	1
Nfatc4_j4	0.0662886	0	-1.79769e+308	0.0686918	1
Nynrin_j1	0.137605	0.000125975	-10.0932	0.671071	0.875594
Khynyn	3.34324	3.09566	0	1	1
Rnf17_j2	0.173328	0.0240126	-2.85164	0.220413	0.567289
Parp4	3.42349	3.10635	0	1	1
Parp4_j2	2.49085	3.3419	0	1	1
Mphosph8	10.9968	10.6138	0	1	1
Zmym2_j1	6.61802	4.24205	0	1	1
Zmym2_j2	4.40557	6.54188	0	1	1
Ift88	2.61011	2.55804	-0.029072	0.864363	0.956828
Mrp63	2.91435	2.88109	-0.0165584	0.920483	0.975139
Fgf9	3.8477	1.53219	0	1	1
Rcbbt1	7.05979	5.85072	0	1	1
Rcbbt1_j3	0.54283	0.396753	0	1	1
Cab39l	18.9614	17.3895	0	1	1
Cab39l	27.8885	27.2022	0	1	1
Shisa2	0.951181	0.890827	-0.0945739	0.72448	0.901947
Mtmr6_j3	4.48179	2.27065	0	1	1
Mtmr6	59.6592	41.1552	0	1	1
Fam123a	1.61205	2.2193	0	1	1
Spata13	10.7846	7.90261	0	1	1
Spata13_j5	1.29532	0.598246	0	1	1
Mipep	3.41763	3.06077	-0.159105	0.242472	0.589952
Sacs_j2	0.125158	0	-1.79769e+308	2.66E-12	1
Sacs_j1	0.350824	0.320766	-0.129225	0.594623	0.838568
Arl11	0.123582	0.273089	1.14391	0.10132	0.394191
Trim13	2.42301	3.03961	0.327086	0.120074	0.431402
Rnaseh2b_j2	6.4675	6.93763	0.101236	0.56985	0.826046
AK200207_j2	1.46108	1.91047	0.386889	0.0609679	0.291265
AK200207_j1	2.60319	4.66236	0.84078	4.23E-07	1.92E-05
Wdfy2_j3	0.331006	0.165077	0	1	1
Wdfy2_j5	1.52326	1.03602	0	1	1
Defb42	1.55468	1.06104	-0.551138	0.0809652	0.346426
Defb42_j1	2.61423	2.02946	-0.365288	0.0487558	0.254425
Ctsb	6.82405	7.80745	0	1	1
Ctsb_j2	211.453	253.217	0	1	1
Fam167a	0.835693	0.483156	0	1	1
Fam167a_j1	0.345283	0.473175	0	1	1
Fam167a_j2	1.00484	1.08151	0	1	1
Fam167a_j3	1.27156	1.21481	0	1	1
Xkr6_j1	0.835662	0.766885	-0.123908	0.725174	0.902421
Xkr6	0.28964	0.430375	0.571332	0.15654	0.490077
Pinx1	1.41747	1.71761	0.277092	0.235415	0.582636
Sox7	0.450659	0.996254	1.14448	2.66E-07	1.28E-05
AK044422_j1	0.0578562	0.026561	-1.12316	0.678768	1
Kif13b_j2	1.99812	1.85316	0	1	1

Kif13b_j4	1.03079	1.1271	0	1	1
Kif13b_j5	6.07911	8.36201	0	1	1
Ints9	9.32618	9.29004	0	1	1
Fbxo16_j1	0.777594	0.939353	0.272651	0.488222	0.778737
Fbxo16	0.504886	0.644093	0.351313	0.228621	0.575633
Fbxo16_j2	0.379243	0.310829	-0.287	0.459319	0.761406
Fbxo16	0.214808	0.219032	0.0280933	0.953665	0.98654
Zfp395_j3	0.156203	0 -1.79769e+308		1.65E-05	0.0004734
Zfp395_j2	0.222371	1.44E-05	-13.9175	0.970983	0.991858
Scara5_j2	0.116424	0 -1.79769e+308		0.000432	1
Scara5	0.557556	1.16308	1.06076	1.24E-06	4.96E-05
Scara5_j1	0.111791	0 -1.79769e+308		0.000553	1
Ccdc25	0.068764	0.079567	0.210517	0.701137	1
Clu	35.1247	27.8534	-0.334634	0.0011213	0.0156694
Clu_j6	214.232	191.374	-0.162778	0.0601013	0.288687
Trim35	3.86345	4.2746	0	1	1
Trim35_j3	23.4623	24.9479	0	1	1
Stmn4	0.539982	0.625777	0.212738	0.739561	0.908646
Stmn4	13.1205	39.5652	1.59241	0	0
Adra1a_j1	0.0726734	0.194222	1.41821	0.0493979	0.256438
Pnma2_j1	10.3332	8.82287	0	1	1
Kctd9	31.4124	25.3133	-0.311439	0.0008214	0.0122257
Kctd9_j4	1.54475	0.74094	-1.05994	0.0322881	0.195009
Gnrh1_j1	0.0480554	0.239825	2.31921	0.0040435	0.0432478
Entpd4_j6	48.2829	47.0841	-0.036272	0.684269	0.881982
Loxl2	0.742797	1.76015	1.24466	1.70E-10	1.64E-08
Loxl2	1.14079	4.55164	1.99635	0	0
AK133329_j4	0.0821672	0 -1.79769e+308		0.0045738	1
AK133329_j5	0.0860625	0 -1.79769e+308		0.0036925	1
Bin3	1.53461	1.58291	0.0447091	0.728191	0.903669
Phyhip	1.10081	0.664739	-0.727712	0.0185742	0.13395
Lgi3	3.7212	2.13478	-0.80168	1.21E-06	4.86E-05
Lgi3_j2	27.4379	13.9222	-0.978786	2.18E-11	2.50E-09
Reep4	2.64424	3.26398	0.303777	0.139908	0.465344
Reep4_j1	1.32617	1.77454	0.420179	0.128432	0.446733
Hr_j1	4.74175	7.8608	0.729255	1.07E-11	1.30E-09
Nudt18	10.6891	10.7417	0.0070851	0.949208	0.985343
Dok2	0.0531007	0.104431	0.975741	0.378843	1
Dok2_j4	0.241848	0.0771977	-1.64747	0.0785293	0.339822
XLOC_009792	0.144809	0.0654782	-1.14506	0.423653	0.739059
XLOC_009792	0.0841005	0.0426397	-0.979918	0.438836	1
Gfra2	26.7283	18.6069	0	1	1
Gfra2_j5	1.32728	0	0	1	1
Rcbtb2_j1	2.94776	2.54106	0	1	1
Med4	0.138213	0.0815007	-0.762004	0.298016	0.644621
Med4_j3	1.0978	0.614531	-0.837054	0.0032722	0.0369523
Sucla2	108.947	95.4115	-0.191395	0.025941	0.168724

Htr2a	1.64854	1.35261	-0.285442	0.122112	0.435216
Esd	13.9878	17.9276	0	1	1
Esd_j2	22.9442	37.5023	0	1	1
Esd_j3	1.10658	2.07638	0	1	1
Lcp1_j2	12.5654	8.66735	0	1	1
Zc3h13_j2	0.0540343	0.0326019	0	1	1
Zc3h13	2.4651	1.48499	0	1	1
Zc3h13_j3	0.475745	0.349069	0	1	1
Siah3	3.71759	2.16524	0	1	1
XLOC_009810	0.149277	0.148427	-0.00823303	0.990265	0.997044
Nufip1	6.38334	7.35191	0.203808	0.141232	0.467373
Tsc22d1_j2	1.94059	4.83116	1.31587	8.88E-16	1.98E-13
Tsc22d1	165.024	191.806	0.216969	0.0117343	0.09649
Enox1_j8	3.44405	1.86084	0	1	1
Epsti1	0.373058	0.845103	1.17973	0.0001922	0.0037123
Mtrf1	3.62735	3.51212	-0.0465727	0.781583	0.926309
Kbtbd7	5.00426	4.20906	-0.249657	0.0377725	0.215754
Elf1_j1	0.909491	1.05326	0	1	1
Sugt1	13.5079	11.7482	-0.201358	0.0271259	0.173951
Pcdh17	3.38417	3.68887	0.124376	0.2491	0.59657
Tdrd3	0.272832	0.290626	0.0911498	0.773275	0.923105
Tdrd3_j3	0.198411	0.239582	0.272024	0.652313	0.86677
Tdrd3_j5	0.0600855	0.0141756	-2.08361	0.269013	1
6720463M24Rik	0.164812	0.0649757	-1.34285	0.0179063	0.130485
Pibf1	1.74203	1.56335	-0.156137	0.413521	0.732302
Klf5	2.78533	1.98769	-0.486759	0.0126021	0.101805
Uchl3_j1	0.404714	0.330884	-0.290575	0.728917	0.903872
Uchl3_j3	0.215193	0.315093	0.550146	0.570416	0.826291
Uchl3_j5	4.12503	2.39537	-0.784154	0.0036354	0.0401066
Lmo7_j1	0.062931	0 -1.79769e+308		0.0043249	1
Lmo7_j5	1.00706	3.81072	1.91991	0	0
Lmo7_j10	0.147419	1.62641	3.46369	0	0
Cln5	12.9792	14.9885	0.207659	0.0506809	0.260729
XLOC_009838	0.366558	0 -1.79769e+308		8.63E-10	7.32E-08
XLOC_009838	0.0948747	0.165541	0.803093	0.282387	0.630923
AK079958_j1	0.189447	0.0795597	-1.25168	0.130295	0.449403
Scel_j1	0.134442	0.0707126	-0.926948	0.294252	1
Scel_j3	0.148961	0 -1.79769e+308		0.0003911	0.0066528
Slain1	1.20669	1.26302	0.0658196	0.780175	0.925824
AK043219_j1	0.124643	0.0926635	-0.427731	0.633412	1
D130009I18Rik_j4	4.59066	3.098	-0.567365	0.0089562	0.0788679
D130009I18Rik_j5	2.27028	1.7275	-0.394181	0.0258859	0.168478
Ndfip2	50.074	39.9552	0	1	1
FJ744746_j5	0.129312	0.0886083	-0.545347	0.701385	1
XLOC_009849	0.148483	0.0405837	-1.87132	0.106216	0.404647
Slitrk5_j1	0.914881	0.572375	0	1	1
Slitrk5_j2	2.5367	1.33207	0	1	1

Tpm3-rs7	7.8649	9.66657	0.297577	0.0146734	0.113118
Mir17hg	0.521891	0.53536	0.0367622	0.897947	0.967557
Gpc5_j1	2.01004	1.77901	-0.17615	0.416857	0.733932
Gpc6	0.222073	0.286421	0.367104	0.297804	0.644392
Gpc6	0.258417	0 -1.79769e+308		1.22E-12	1.72E-10
Gpc6_j3	0.562966	0.343474	-0.712848	0.0479316	0.25166
Gpr180	6.58323	6.49869	0	1	1
Gpr180	3.49723	2.12652	0	1	1
Dnajc3	2.76376	2.34407	-0.237612	0.0519644	0.264512
Mbnl2_j2	8.51037	1.56534	-2.44274	0	0
Rap2a	19.4174	20.3497	0.0676589	0.464211	0.764606
Ipo5	27.143	31.927	0.234196	0.0080889	0.0731966
XLOC_009865	0.103947	0.0469576	-1.14641	0.275783	1
Farp1_j1	1.43846	1.32274	-0.120986	0.484308	0.776337
Ubac2	13.7633	12.9697	-0.0856832	0.438572	0.748203
Tm9sf2_j1	0.231191	0	0	1	1
Clybl_j1	2.71936	2.74809	0.0151621	0.958432	0.988063
Clybl	11.8056	11.6618	-0.0176784	0.89803	0.967557
Pcca	7.32215	7.20652	-0.0229657	0.852528	0.953272
Dnase1l3_j2	1.20225	1.02123	-0.235435	0.358028	0.693676
Pdhb	1.35892	1.18025	-0.203375	0.177058	0.516175
Fam107a	1.28548	1.40448	0.127732	0.547904	0.813901
4930452B06Rik_j1	1.95836	1.62262	0	1	1
4930452B06Rik	2.0531	1.70665	0	1	1
Fhit_j2	0.416726	0 -1.79769e+308		0.0099428	0.0853151
Fhit_j7	0	0.0567515 1.79769e+308		0.206967	1
Cadps_j1	24.4081	19.2809	0	1	1
Cadps_j13	12.1393	9.53595	0	1	1
Cadps_j11	9.68958	3.74912	0	1	1
Thoc7_j3	4.75977	3.21536	0	1	1
Thoc7	10.3119	10.4913	0	1	1
Psm6	61.7488	64.3862	0.0603409	0.516972	0.795313
Lrrc3b_j1	4.7796	0	0	1	1
Lrrc3b	0.882612	2.5891	0	1	1
Lrrc3b_j2	0.868579	1.84534	0	1	1
Lrrc3b	1.51377	1.33267	0	1	1
Oxsm	0.312293	0.52349	0.74526	0.0735296	0.326799
Rarb	0.653115	0.575821	0	1	1
XLOC_009893	0.19766	0.04805	-2.04041	0.265988	0.615069
XLOC_009893	0.0884838	0.0672492	-0.395897	0.713204	1
Ube2e1	12.7552	11.8404	-0.107375	0.281715	0.630261
Ube2e2	36.4038	33.7047	-0.111138	0.277678	0.626549
2700060E02Rik_j1	0.145605	0.0429799	-1.76033	0.0384814	0.218296
Gng2_j1	7.37649	6.45655	-0.19217	0.167013	0.503276
Gng2	5.62791	3.87119	-0.539823	0.0003966	0.0067278
1810063B07Rik	4.20907	4.95338	0.23491	0.245355	0.592815
Kcnk5_j2	0.454481	0.274268	-0.728635	0.152216	0.483673

Kcnk5	0.980861	0.871155	-0.171119	0.49991	0.784898
Kcnk16_j1	0.641987	1.35782	0	1	1
Ecd	12.4924	13.0154	0.0591704	0.55431	0.817472
Dnajc9	1.64137	1.34994	-0.282012	0.146365	0.474658
Mrps16_j3	1.05668	1.13351	0.101261	0.846582	0.951509
Mrps16	3.62587	3.81295	0.0725809	0.760005	0.917326
Ttc18_j4	0.0510294	0 -1.79769e+308		0.0158356	1
Ttc18_j10	0.188692	0.113083	-0.738656	0.438336	0.748123
Anxa7	14.7709	15.6411	0	1	1
Anxa7_j2	4.60909	4.14049	0	1	1
Anxa7_j3	14.5287	13.6967	0	1	1
Ppp3cb	7.61586	8.21217	0	1	1
Ppp3cb_j4	13.2807	9.14226	0	1	1
Ndst2_j2	0.79831	0.447042	0	1	1
Ndst2_j1	0.380159	0.0383269	0	1	1
Camk2g_j8	0.293517	0.0658473	0	1	1
Camk2g_j1	55.8732	43.6385	0	1	1
Ap3m1_j6	0	0.27846 1.79769e+308		0.028568	0.179787
Ap3m1_j9	6.10887	6.57055	0.105111	0.723412	0.90149
Comtd1_j2	8.61212	9.26091	0	1	1
Zfp503_j1	0.29422	0.369383	0.328224	0.359966	0.695038
Kcnma1_j1	0.190845	0.118816	0	1	1
Kcnma1	0.708987	0.481167	0	1	1
Kcnma1_j3	0.15997	0.201847	0	1	1
Dlg5_j5	0.642891	0.22586	0	1	1
Dlg5	1.93529	2.59185	0	1	1
Polr3a	0.935579	0.83484	0	1	1
Zcchc24_j1	0.128032	0	0	1	1
Zcchc24	3.25586	3.15521	0	1	1
D14Ert449e_j3	6.29349	6.28457	-0.00204536	0.992901	0.997939
Plac9	6.43092	9.33295	0.537309	0.0022111	0.0270083
D14Ert449e	21.662	22.5436	0.0575528	0.628773	0.855636
Slmap_j1	4.01774	2.56961	0	1	1
Slmap_j2	0.739146	0.878247	0	1	1
Pde12	2.40991	2.3136	-0.0588428	0.625138	0.853774
Appl1_j1	0.0604172	0.117607	0	1	1
Appl1	3.8481	3.3874	0	1	1
Ccdc66_j2	0.0875242	0.0345357	-1.34159	0.164365	1
Cacna2d3_j2	7.28672	5.50386	0	1	1
Cacna2d3_j1	5.63753	4.30703	0	1	1
Cacna2d3_j3	10.8898	9.69967	0	1	1
Cacna1d_j1	0.17397	0.226427	0	1	1
Cacna1d_j2	0.263354	0.0669653	0	1	1
Cacna1d_j3	0.288343	0.183662	0	1	1
Prkcd_j2	5.597	2.75696	0	1	1
Prkcd	18.4809	17.2174	0	1	1
Spcs1	52.5024	52.2382	0	1	1

Gnl3	7.3144	7.72414	0	1	1
2010107H07Rik	8.97657	8.45143	0	1	1
2010107H07Rik	0.700111	0.761811	0	1	1
Stab1_j3	0.133617	0.110396	-0.275414	0.707542	1
Stab1_j6	0.814648	1.32756	0.704532	2.83E-05	0.0007359
Phf7_j2	0.170167	0 -1.79769e+308	0.0009748	0.0140043	
Phf7	0.774121	0.88783	0.197725	0.535708	0.80631
Phf7	0.432068	0.318595	-0.439538	0.389982	0.717083
Dnahc1_j3	0.0709321	0.035323	-1.00583	0.44549	1
Sh3bp5	0.94158	0.876043	0	1	1
Colq_j1	0.0879158	0 -1.79769e+308	0.009948	1	1
Colq	1.27068	0.533425	-1.25224	3.81E-05	0.0009473
Hacl1_j2	0.417255	0.240814	0	1	1
Ankrd28_j1	1.05178	0.868772	0	1	1
Ankrd28_j2	0.101488	0	0	1	1
Dph3	8.88086	8.31381	-0.0951897	0.406601	0.727764
Wdfy4_j5	0.15984	0.130018	-0.297919	0.671922	0.876137
Wdfy4_j6	0.0575456	0.00289619	-4.31248	0.496688	1
Mapk8_j1	6.66777	5.51025	0	1	1
Mapk8	3.56809	3.28561	0	1	1
Mapk8	2.87731	4.3403	0	1	1
AK041587_j2	0.551143	2.53523	2.20162	1.87E-07	9.29E-06
Gprin2	0.557059	0.552725	-0.0112687	0.957414	0.987843
Gprin2_j1	0.283531	0.0905775	-1.64628	0.0002396	0.0044524
Fam35a_j2	0.193712	0.117138	-0.725709	0.0907848	0.370321
Fam35a_j5	0.131217	0.0386998	-1.76156	0.0355211	1
Sncg	1091.93	1208.98	0.146912	0.119629	0.43047
Bmpr1a_j3	5.56021	5.72881	0	1	1
Bmpr1a_j1	2.9818	2.33016	0	1	1
Bmpr1a	5.69017	4.57852	0	1	1
Ldb3_j2	0.342801	0.219515	0	1	1
Ldb3	1.51509	1.06312	0	1	1
Opn4_j2	0.179177	0.150439	-0.252202	0.758723	0.917041
Gcap14_j6	1.5077	0.76032	0	1	1
Gcap14_j7	1.44212	1.70175	0	1	1
Gcap14_j1	25.6819	20.1588	0	1	1
Cdhr1_j1	6.85337	11.1632	0	1	1
Cdhr1	4.13325	5.20235	0	1	1
Ghitm_j2	44.245	47.7129	0	1	1
Ghitm_j1	19.0608	14.3637	0	1	1
Ghitm	40.6464	34.6895	0	1	1
Ghitm	140.639	118.022	0	1	1
Nrg3_j7	1.71012	1.51823	-0.171707	0.292502	0.639479
Nrg3_j5	1.35714	1.23949	-0.130828	0.474264	0.770621
Nrg3_j4	0.874045	0.877886	0.00632491	0.976625	0.993228
Nrg3_j10	0.109231	0.163178	0.57906	0.606708	0.845067
Nrg3_j12	0.239015	0.168719	-0.502484	0.627013	0.854469

Tspan14_j1	10.9585	9.49421	0	1	1
Tspan14	9.31251	8.41536	0	1	1
5730469M10Rik	7.13737	7.87307	0	1	1
5730469M10Rik	10.7121	10.8676	0	1	1
Dydc2_j2	0.505115	0.461567	-0.130071	0.750464	0.913412
Dydc2_j1	0.235454	0.434124	0.882661	0.0940809	0.377895
Dydc2_j3	0.0911733	0	-1.79769e+308	0.0146121	1
Ptgdr	8.14983	6.42509	-0.343054	0.0016308	0.0211735
Txndc16_j2	0.206549	0.0718375	-1.52367	0.0367482	0.212043
Txndc16_j3	0	0.074548	1.79769e+308	0.0141463	1
Ero1l_j2	6.074	5.79556	0	1	1
Fermt2	11.9532	9.7919	0	1	1
Fermt2_j1	1.3575	0.70566	0	1	1
Ddhd1_j6	1.21449	1.25732	0.050003	0.820007	0.941743
Ddhd1_j8	0.08672	0.152684	0.816117	0.0719606	1
Ddhd1_j7	1.72929	1.27455	-0.440192	0.0546103	0.272543
XLOC_009985	0.129864	0.0442678	-1.55268	0.298629	1
Cnih_j3	0.169586	0	-1.79769e+308	0.0227065	0.153825
Gmfb	11.8244	12.1756	0	1	1
Gch1	1.57029	2.39466	0.608785	0.0005526	0.0088727
Wdhd1_j6	0.314318	0.056951	-2.46443	0.0529893	0.267688
Wdhd1_j7	1.01193	1.01545	0.00500735	0.980993	0.994152
Dlgap5_j1	0.162486	0.215645	0.408339	0.548866	0.814457
Atg14_j1	0.0620667	0.0471566	0	1	1
Atg14	2.71435	2.6162	0	1	1
XLOC_009998	0.143435	0.165655	0.207786	0.775154	0.923761
Gm6055	169.008	195.914	0.213127	0.0159881	0.120341
Exoc5_j4	16.8569	18.5087	0.134859	0.195864	0.538405
Exoc5	0.51372	0	-1.79769e+308	8.91E-30	2.95E-27
Exoc5_j6	3.85388	5.64881	0.551637	0.0053596	0.0534634
Slc35f4	0.948253	0.539105	-0.814706	0.0488603	0.25467
Slc35f4_j4	0.0658634	0	-1.79769e+308	0.100058	1
3632451O06Rik	1.596	2.11841	0	1	1
3632451O06Rik_j7	0.083223	0.0839582	0	1	1
Ttc5_j1	0.424313	0.525279	0.307956	0.347004	0.68578
Ttc5_j5	3.0061	3.47858	0.210606	0.318452	0.661834
Tep1_j2	3.05485	3.11029	0.0259482	0.828698	0.944654
Tep1	0.510156	0.464871	-0.134107	0.486634	0.777737
Klhl33	0.0607225	0.137639	1.18058	0.253668	1
Klhl33_j2	1.50712	0.929458	-0.697333	0.0008453	0.0125194
Osgep_j2	0.692632	0.880546	0.34631	0.21172	0.556588
Ndrj2_j6	1.78922	0	0	1	1
Ndrj2	13.2981	12.9356	0	1	1
Ndrj2	10.7163	15.2777	0	1	1
Hnrnpc_j3	6.10696	8.87147	0	1	1
Hnrnpc	13.318	13.1977	0	1	1
Chd8_j12	0.0698419	0	-1.79769e+308	2.88E-05	1

Rab2b	0.198853	0.106352	-0.902855	0.254437	0.602729
Mettl3	7.83476	8.8063	0.168646	0.102364	0.396414
Sall2	2.23714	0.977712	0	1	1
Dad1	77.3392	79.5057	0.0398602	0.660289	0.871049
Slc7a7_j1	13.1672	13.4104	0.0264022	0.79505	0.931579
Prmt5	11.9802	11.0537	0	1	1
Haus4_j1	0.381779	0.200686	-0.927798	0.136947	0.460133
Haus4	1.6944	1.21744	-0.476928	0.0913953	0.371609
Jub_j2	0.208294	0.103996	-1.00209	0.319883	0.66333
Jub	0.12045	0.148455	0.301593	0.701515	1
Jub	0.435345	0.553443	0.346277	0.23294	0.580163
4931414P19Rik	0.839773	0.830981	-0.0151844	0.956384	0.987617
Psm5	37.1062	37.487	0	1	1
Cdh24_j2	0.363661	0.142578	-1.35085	0.0258264	0.168201
Acin1_j5	6.77671	6.96357	0	1	1
Acin1_j6	0.0742732	0	0	1	1
Cebpe_j1	0.196024	0.120836	-0.697986	0.235842	0.583098
Slc7a8	4.76935	5.1468	0	1	1
Homez	0.850752	0.67379	-0.336439	0.164488	0.500522
Ppp1r3e	0.651339	0.698982	0.101848	0.708707	0.893844
Slc22a17_j1	0.133379	0.0904853	0	1	1
Slc22a17_j5	0.0764764	0.101771	0	1	1
Efs	2.57792	2.92847	0.183939	0.20723	0.551728
Zfhx2_j3	0.417322	0.191429	0	1	1
Jph4	26.5879	23.6345	0	1	1
Fam158a	35.2599	32.6691	-0.110103	0.285216	0.633988
Ipo4_j1	7.46601	7.17637	0	1	1
Ipo4_j2	2.54005	2.94178	0	1	1
Mdp1	9.736	8.25989	0	1	1
Mdp1_j1	5.85065	7.44663	0	1	1
Nedd8_j4	57.0109	66.494	0	1	1
Rabggta	12.5023	13.3626	0.0960138	0.399049	0.722657
Dhrs1_j3	1.20595	1.51254	0	1	1
Dhrs1	0.118446	0.038631	0	1	1
Sdr39u1	1.47041	1.44399	0	1	1
Cma1	0.170958	0.569996	1.73731	0.0002889	0.0051804
Ube2j2	12.8826	12.6944	-0.0212302	0.886193	0.963821
Cenpj_j2	0.220226	0.18633	-0.241121	0.622393	0.852322
Cenpj_j3	0.611592	0.857625	0.487779	0.0512928	0.26237
Cenpj_j1	0.638352	0.443673	-0.524857	0.0769173	0.335371
Pspc1	5.63376	4.53799	0	1	1
Zmym5_j11	0.321283	0	0	1	1
Zmym5_j13	0.811244	0.642143	0	1	1
Zmym5_j14	0	0.399233	0	1	1
Gjb2	0.578753	0.597101	0.0450276	0.867417	0.95814
Cryl1	5.5875	5.9958	0.101751	0.517103	0.795422
N6amt2_j1	12.1007	14.2058	0.231387	0.137826	0.461663

N6amt2	4.64417	3.62374	-0.357942	0.187735	0.528826
Xpo4_j1	2.30158	2.21383	-0.0560809	0.725555	0.902457
Xpo4_j6	0.173425	0.0445136	-1.96199	0.108724	0.410095
Lats2_j4	2.10583	2.06017	0	1	1
Lats2	1.73363	1.21833	0	1	1
F630043A04Rik	0.195295	0.127106	-0.619627	0.0912941	0.371341
Zdhhc20_j4	1.11359	1.36087	0	1	1
Zdhhc20	4.22492	4.59008	0	1	1
Efha1	8.71735	10.1961	0.226059	0.0477676	0.251144
Phf11_j1	0.20085	0.163959	-0.292786	0.686427	0.883186
Gm4902_j1	0.484684	0.161494	-1.58557	0.0710284	0.320446
Setdb2_j4	0.299031	0.131706	-1.18297	0.0377135	0.215545
Setdb2	0.47684	0.312104	-0.611481	0.0631196	0.297779
Cdad1	14.8078	14.6089	0	1	1
Atp8a2_j1	7.9532	1.62281	0	1	1
Atp8a2_j2	1.688	1.0112	0	1	1
Atp8a2_j3	12.4233	7.06669	0	1	1
Nupl1	13.4922	12.9405	-0.0602358	0.54573	0.812617
Tnfrsf19	0.515514	0.459915	-0.164645	0.588219	0.835413
Ebpl	11.1727	11.555	0.0485345	0.761497	0.917949
Kpna3_j3	0.147418	0.0389293	0	1	1
Kpna3	9.84464	9.21536	0	1	1
6330409N04Rik_j1	33.7784	29.7462	-0.183393	0.069229	0.315454
6330409N04Rik	5.21823	4.41208	-0.242101	0.0449133	0.242234
Ints6_j4	0	0.0520651	0	1	1
Ints6_j5	0.156499	0.259638	0	1	1
Fdft1_j3	48.1782	48.7563	0	1	1
Neil2_j2	0.502319	0.454301	-0.144954	0.749586	0.913026
Neil2_j1	0.154472	0.189376	0.293906	0.727358	0.903478
Mttr9_j2	2.06003	0.745458	-1.46646	1.36E-10	1.35E-08
Msra_j6	4.03498	4.5346	0	1	1
Msra	3.55045	3.7475	0	1	1
Hmbox1_j6	8.6418	7.72564	0	1	1
Hmbox1_j7	1.50559	2.01176	0	1	1
Hmbox1_j8	15.7822	17.7522	0	1	1
Hmbox1_j9	12.9722	14.1232	0	1	1
Extl3_j1	0.0625745	0.0810642	0	1	1
Extl3_j2	0.20859	0.172839	0	1	1
Fzd3	3.15091	2.49035	-0.339418	0.0020677	0.0256449
Pnoc	0.326513	0.247663	-0.39876	0.527822	0.801757
Elp3	24.6473	20.6114	0	1	1
Scara3	1.06791	1.65856	0.635147	0.0027478	0.0321689
Scara3_j1	1.13281	0.81185	-0.480615	0.0842323	0.354161
Ephx2_j1	0.595714	0.647474	0.120202	0.826998	0.94428
Ephx2	1.53976	1.23066	-0.323268	0.18746	0.528387
Ptk2b_j1	6.42413	4.49807	0	1	1
Dpysl2_j5	58.6998	59.4942	0.0193928	0.823838	0.943114

Dpysl2	5.76631	4.36553	-0.401492	0.0018632	0.0236255
Ppp2r2d_j1	2.22055	2.56808	0.209772	0.410844	0.730497
Ppp2r2a	24.631	26.386	0.0992953	0.315865	0.659833
Cdca2_j1	0.102407	0.0115835	-3.14418	0.238114	1
Dock5_j2	1.21395	1.76497	0	1	1
Dock5	4.30404	3.69389	0	1	1
Nefm	1.03896	1.01601	-0.0322284	0.86112	0.956083
Slc25a37	1.44308	1.28418	0	1	1
Slc25a37_j4	0.444314	0.515847	0	1	1
R3hcc1	6.67073	7.73574	0	1	1
Chmp7	25.7488	29.0861	0	1	1
Rhobtb2_j1	5.63116	3.72333	0	1	1
Rhobtb2	6.35826	4.54453	0	1	1
2610301G19Rik_j4	1.84235	1.55487	-0.244752	0.372704	0.705702
9930012K11Rik	0.243539	0.585585	1.26572	0.0123466	0.100256
9930012K11Rik_j1	0.556081	0.238158	-1.22338	0.0247358	0.163072
9930012K11Rik	0.633999	0.47504	-0.416432	0.317598	0.660897
Pdlim2_j2	17.5176	19.5867	0.161068	0.249304	0.596796
Sorbs3_j2	0.584286	0.238809	0	1	1
Sorbs3	3.20716	3.2751	0	1	1
Ppp3cc	13.2134	12.126	0	1	1
Slc39a14_j4	0.695269	0.76155	0	1	1
Slc39a14	1.35958	1.07629	0	1	1
Piwil2_j2	0.221298	0.303114	0.453874	0.441769	0.750327
Polr3d	3.3986	3.92619	0	1	1
Bmp1_j3	0.342255	0	0	1	1
Fam160b2	0.546294	0.86519	0	1	1
Epb4.9_j4	0.406989	0	0	1	1
Epb4.9_j6	0.1088	0.107254	0	1	1
Npm2_j3	0.0918194	0.0461164	-0.993519	0.366865	1
Xpo7	7.64784	6.97876	0	1	1
Xpo7_j1	1.80122	1.74461	0	1	1
Fndc3a_j1	1.52294	0.802414	0	1	1
Fndc3a	1.70938	1.72966	0	1	1
Cysltr2_j1	0.56409	1.50637	1.41708	3.61E-10	3.27E-08
Cysltr2_j2	1.50378	1.72245	0.19587	0.558811	0.82019
Rb1_j2	2.87701	3.25022	0	1	1
Rb1	4.34791	4.03068	0	1	1
Itm2b	372.37	371.553	-0.00317221	0.971422	0.991962
Lrch1	1.45255	1.33113	0	1	1
Lrch1_j3	1.24018	1.06486	0	1	1
Cog3_j1	5.69163	5.06984	0	1	1
Cog3	4.0663	2.91773	0	1	1
Slc25a30_j2	0.14589	0.105826	-0.463186	0.576422	0.829009
Slc25a30	9.17988	8.29527	-0.146187	0.206022	0.550518
Gtf2f2	7.26494	7.31615	0.0101343	0.945327	0.983703
1200011I18Rik	7.38919	6.98111	-0.0819592	0.43332	0.744727

Serp2	29.4256	29.746	0.0156282	0.902062	0.968734
9030625A04Rik_j2	1.08436	0.953348	-0.185767	0.53171	0.803676
9030625A04Rik_j1	0.578686	0.386549	-0.58213	0.231283	0.578377
9030625A04Rik	2.2901	2.32988	0.0248433	0.900207	0.968284
Dnajc15	4.01189	3.53123	0	1	1
Akap11_j1	4.10697	1.46308	0	1	1
Akap11_j3	1.58137	1.75776	0	1	1
Akap11_j2	7.9098	4.33662	0	1	1
Akap11	2.45203	0.0014285	0	1	1
Dgkh_j1	17.0773	10.9378	0	1	1
Dgkh	0.051204	0.0151474	0	1	1
Dgkh_j2	16.8877	12.5984	0	1	1
1190002H23Rik_j1	15.896	15.3249	-0.052785	0.801496	0.933853
1190002H23Rik	8.89484	13.1229	0.56105	0.0008339	0.012393
1190002H23Rik_j2	9.22393	8.40636	-0.1339	0.626231	0.854124
Naa16_j5	0.0686277	0.246222	1.8431	0.0470258	0.248626
Naa16_j4	0.36616	0.631177	0.785571	0.0094513	0.0821531
Naa16	0.34892	0 -1.79769e+308		1.57E-11	1.84E-09
Wbp4	8.78021	7.78939	-0.172745	0.128546	0.446769
Lect1	2.6314	2.55996	0	1	1
Lect1_j1	0.248688	0.340109	0	1	1
Pcdh8	0.894308	0.822828	-0.120181	0.646854	0.863936
Pcdh8	1.26051	0.720393	-0.807157	0.0014172	0.0188742
XLOC_010150	0.156915	0.0933331	-0.749524	0.592929	0.83794
Diap3_j2	1.06699	1.47836	0.47045	0.14439	0.471579
Diap3_j1	0.902432	0.131295	-2.781	0.0035989	0.0398023
Diap3_j3	0.174107	0.0479067	-1.86167	0.393626	0.719597
Diap3_j4	0.42985	0.314159	-0.452339	0.491678	0.780573
Gm10119	137.962	157.31	0.189344	0.0309846	0.189775
Pcdh9_j1	9.4537	7.86866	-0.264761	0.348508	0.686685
Pcdh9_j2	1.00824	0.838009	-0.266806	0.723606	0.901555
Pcdh9_j4	1.14585	0.545982	-1.0695	0.163338	0.49864
Dach1_j1	0.206351	0.0527714	-1.96727	0.0892994	0.366337
Dach1	0.240282	0.0826382	-1.53985	0.0166996	0.124219
Dach1	0.720691	0.461678	-0.642495	0.0289537	0.181278
Mzt1	17.4687	14.7094	-0.248034	0.0150028	0.115003
Dis3	0.463398	0.402027	-0.204962	0.426125	0.740933
Dis3_j3	0.927687	0.994841	0.100827	0.696382	0.888069
Klf12_j7	0.24966	0.137596	-0.859534	0.0261263	0.169612
Tbc1d4_j1	0.96162	0.389394	0	1	1
Tbc1d4_j2	0.516431	0.13576	0	1	1
Commd6	2.12309	2.60043	0.292586	0.191473	0.533645
Commd6	6.39248	6.02874	-0.0845194	0.560131	0.821025
Fbxl3	8.36757	6.82496	0	1	1
Fbxl3	2.61381	2.07658	0	1	1
Fbxl3_j2	2.31935	1.81913	0	1	1
Mycbp2_j4	19.9134	18.7699	-0.0853164	0.338291	0.678713

Mycbp2_j11	0.922805	1.12302	0.283284	0.069559	0.316277
Ednrb	22.264	20.9963	0	1	1
Pou4f1_j2	37.4832	35.7591	0	1	1
Rbm26_j1	2.64986	2.37614	0	1	1
Rbm26_j6	1.07112	0.885643	0	1	1
XLOC_010170	0.117165	0.134556	0	1	1
Spry2	7.09576	6.57542	-0.109875	0.419473	0.736117
Slitrk1	5.06347	3.92222	0	1	1
XLOC_010177	0.175624	0.130138	-0.432443	0.633214	0.857492
Tgds_j1	0.145226	0 -1.79769e+308		0.0203179	0.142415
Tgds_j3	0.123168	0.0522502	-1.23711	0.390119	1
Tgds_j2	0.155163	0.159842	0.0428549	0.962459	0.989507
Tgds	1.19469	1.36201	0.1891	0.503201	0.78696
Abcc4_j6	0.392262	0.332214	0	1	1
Abcc4	0.878273	0.729686	0	1	1
Dzip1_j1	1.36037	1.26177	0	1	1
Dzip1_j12	0.252946	0.300638	0	1	1
Dzip1_j9	0.0587469	0.0311521	0	1	1
Uggt2	0.0615783	0.0369643	-0.73629	0.241273	1
XLOC_010184	0.21127	0.0768689	-1.45862	0.116279	0.424336
Stk24_j5	17.6802	17.1543	0	1	1
Stk24_j1	4.54862	2.21553	0	1	1
Slc15a1_j1	0.138965	0.0766356	-0.858631	0.530102	0.802942
Dock9_j12	0.121899	0 -1.79769e+308		8.81E-07	1
Dock9_j13	0.229292	0.114607	-1.0005	0.0424256	0.232811
Dock9_j14	0.473069	0.0671702	-2.81616	1.51E-06	5.92E-05
A2ld1	14.3868	11.7942	0	1	1
a2ld1_j1	13.7694	12.1294	0	1	1
Tmtc4_j3	0.797898	1.29827	0	1	1
Nalcn	1.10545	7.37E-05	-13.8732	0.741693	0.909396
Nalcn_j1	0.0705788	0 -1.79769e+308		0.0003799	1
Flnb_j8	5.79575	8.57422	0	1	1
Kctd6	3.18318	2.59257	-0.296088	0.164074	0.499855
Kctd6_j5	1.22004	1.15788	-0.0754484	0.781778	0.926329
Ptprg_j1	2.91088	2.8315	0	1	1
3830406C13Rik_j3	1.62755	1.36969	-0.248853	0.381923	0.712127
3830406C13Rik_j5	0.882149	0.572072	-0.624827	0.111941	0.416333
Synpr_j6	1.91788	0.242268	-2.98483	2.24E-06	8.42E-05
XLOC_009550	1.48958	2.27932	0.613695	0.105963	0.404152
Il3ra_j4	0.0829637	0.171527	1.04789	0.247279	0.594858
Il3ra_j2	0.229485	0.174171	-0.397893	0.637012	0.859465
AK080648_j3	0.0701009	0.138278	0	1	1
AK080648_j4	0.061666	0	0	1	1
Top2b_j4	3.77713	4.71549	0	1	1
Nid2_j2	1.36544	0.89467	-0.609939	0.0167788	0.124626
Nid2_j3	1.55153	1.7108	0.140982	0.359892	0.695038
Nudt13_j3	0.964483	1.67329	0	1	1

Nudt13_j4	0.828997	0.717205	0	1	1
Nudt13_j5	1.2785	1.49136	0	1	1
Fam149b_j2	2.43631	2.56582	0.0747203	0.709186	0.894136
Fam149b_j3	1.08024	0.792818	-0.446293	0.230699	0.577701
Sec24c_j5	6.68377	6.40123	-0.0623122	0.584328	0.833405
Sec24c_j12	2.86052	4.79066	0.743945	5.64E-06	0.0001879
Chchd1	9.14892	10.2292	0.161015	0.235603	0.582812
2310021P13Rik_j2	5.50087	5.08362	0	1	1
2310021P13Rik_j6	10.0067	11.0703	0	1	1
Vcl_j3	0.873454	1.77255	0	1	1
Adk_j2	0.818986	0.527402	-0.634938	0.285598	0.634449
Myst4_j7	0	0.107627	0	1	1
Vdac2_j2	4.5585	4.71704	0	1	1
1700112E06Rik_j5	0.161885	0.247851	0.614503	0.615981	0.848633
XLOC_009576	0.606318	0.627448	0.0494204	0.911922	0.972279
Rps24_j5	0	2.05094	0	1	1
Zmiz1_j2	0.166315	0.155852	-0.0937381	0.857948	0.954916
Fam116a	3.44273	2.53766	0	1	1
XLOC_009585	0.0573922	0.0732286	0.351551	0.809895	1
Arhgef3	2.07332	1.59472	0	1	1
Erc2_j5	1.44705	0.394791	0	1	1
Erc2_j4	1.0873	2.01625	0	1	1
Erc2_j10	0.637875	0.846552	0	1	1
Selk_j1	0.810067	0.651537	-0.314193	0.432896	0.74455
Actr8_j2	0.190608	0.213924	0.166485	0.740981	0.909195
Chdh_j3	0.266001	0.206577	0	1	1
Tkt_j5	0.386446	0.368945	0	1	1
Tmem110	0.846093	1.09298	0.369384	0.129429	0.448367
Tmem110_j4	4.75675	4.85245	0.0287354	0.833563	0.946371
Glt8d1	1.49959	2.84163	0	1	1
Pbrm1_j8	2.44936	1.94787	0	1	1
Pbrm1_j9	7.71312	8.12594	0	1	1
Nt5dc2_j2	0.420358	0.533842	0.344796	0.210463	0.55502
XLOC_009610	0.306664	0.446975	0.543533	0.104464	0.401025
Ercc6_j5	0.223251	0.207445	-0.105938	0.915541	0.973645
Prrxl1_j3	30.3392	32.2713	0	1	1
XLOC_009619	0.249891	0.13387	-0.900461	0.159857	0.494363
Arhgap22_j3	4.28232	7.2801	0	1	1
Arhgap22_j5	1.7562	2.56251	0	1	1
Glud1_j2	0.0707077	0.0590742	-0.259338	0.862695	1
Glud1_j1	0	0.0967728	1.79769e+308	0.0556932	1
Mmrn2_j2	0	0.194003	1.79769e+308	0.0005596	0.0089557
Ptger2	0.517876	0.54815	0.0819648	0.770634	0.922024
XLOC_009649	0.116806	0.131352	0.169328	0.792681	1
Cdkn3_j1	0.302345	0.768954	1.3467	0.003701	0.0406303
Cgrrf1	7.62415	7.29121	-0.0644173	0.671994	0.876138
Cgrrf1_j1	2.77371	2.99706	0.111734	0.771469	0.922331

Samd4_j2	0	0.110047	1.79769e+308	0.0128014	1
Fbxo34_j2	0	0.0925091	1.79769e+308	0.022511	1
Fbxo34_j3	1.25648	0.592295	-1.085	0.0024146	0.0290595
Ktn1_j5	2.24154	2.71731	0	1	1
Ktn1_j4	2.07441	3.53222	0	1	1
Ktn1_j9	3.2508	5.39694	0	1	1
6720456H20Rik_j4	8.75E-05	0.242514	0	1	1
Apex1_j1	0	0.0813951	1.79769e+308	0.0644721	1
Rnase4_j1	1.36856	0	0	1	1
Mett11d1_j1	0.2125	0.540097	1.34575	0.0156231	0.118199
Mett11d1	0.472537	0.524148	0.149547	0.769591	0.921491
Slc39a2	0.0916973	0.178923	0.964391	0.245022	0.592452
Arhgef40_j3	4.55737	5.35349	0	1	1
Arhgef40	2.68805	3.93388	0	1	1
Arhgef40_j8	0.681398	1.13891	0	1	1
Tox4_j2	0.203038	0.112889	-0.846851	1	1
Tcrd	0.0261939	0.102158	1.9635	0.535587	1
Tcra_j1	0	0.0931088	1.79769e+308	0.0847873	1
Bcl2l2_j1	46.9054	42.231	-0.151451	0.0827108	0.350562
Pabpn1_j5	0.137852	0	-1.79769e+308	0.0129074	0.103541
Cmtm5_j3	0.238684	0.190465	-0.325577	0.782964	0.92681
Dhrs2_j2	1.58282	1.65912	0.0679213	0.820007	0.941743
Lrrc16b_j3	0.739416	0.61849	0	1	1
Cpne6_j4	0.0363619	0.0553679	0.606624	0.683471	1
Cpne6_j8	7.92692	9.99379	0.334271	0.0310706	0.190042
Pck2_j2	19.0162	19.6113	0.0444552	0.68746	0.883849
Dcaf11_j7	13.7688	15.6667	0.186291	0.179842	0.519509
Rnf31_j2	2.55521	2.80193	0	1	1
Rec8_j5	4.42E-05	0.157632	11.7996	0.980709	0.994152
Rec8_j6	0.0806036	0	-1.79769e+308	0.191308	1
Nynrin_j3	0.230255	0.159272	-0.531743	0.291787	0.638689
Mphosph8_j3	3.2539	4.85657	0	1	1
Fgf9_j3	2.07337	1.16129	0	1	1
Fgf9	1.48425	1.07422	0	1	1
Cab39l_j1	0.258105	0.197828	0	1	1
Mttr6_j2	23.5047	24.999	0	1	1
Mttr6_j1	52.7573	48.7278	0	1	1
Spata13_j3	10.5582	15.9584	0	1	1
XLOC_009739	0.0848508	0.0946755	0.158063	0.828678	1
Rnaseh2b	1.37895	1.84797	0.422368	0.158792	0.49326
Serpine3_j2	0.065606	0.00897933	0	1	1
Serpine3_j3	0	0.135159	0	1	1
Wdfy2	2.27332	1.98672	0	1	1
Ctsb_j3	50.4097	49.3084	0	1	1
Kif13b_j3	0	0.727652	0	1	1
Kif13b_j7	2.38843	2.26541	0	1	1
Zfp395	0.543459	0.211457	-1.3618	0.0023991	0.0288938

Stmn4_j2	1.77658	7.52729	2.08303	1.03E-12	1.46E-10
Pnma2	6.48024	6.77417	0	1	1
Entpd4_j4	0.282799	0.288871	0.0306496	0.932477	0.97953
Tnfrsf10b	0.118804	0.173786	0.548735	0.614213	0.847685
Egr3	0.984372	1.26948	0	1	1
Egr3_j1	1.57158	1.84221	0	1	1
Bin3_j1	14.3835	15.2608	0.0854155	0.573067	0.827416
XLOC_009784	0.0375218	0.0706816	0.913605	0.466604	1
Lgi3_j1	20.0273	10.5372	-0.926481	7.01E-11	7.36E-09
Hr_j2	0.263175	0.412739	0.649207	0.0782627	0.339143
Dok2_j2	0	0.0542941	1.79769e+308	0.126192	1
Gfra2_j2	0	0.970924	0	1	1
XLOC_009794	0.0189669	0.0478112	1.33387	0.668027	1
Rcctb2	3.2343	3.00981	0	1	1
Esd_j1	1.74446	1.82419	0	1	1
Esd	0	4.05615	0	1	1
5031414D18Rik_j1	0.0572582	0	-1.79769e+308	0.0005144	1
5031414D18Rik_j3	0.563982	0.643928	0.191251	0.50989	0.790859
Lcp1_j1	5.81264	4.31488	0	1	1
Tsc22d1_j1	24.1663	20.3758	-0.246144	0.0094673	0.0822634
Enox1_j10	2.62061	2.32865	0	1	1
1300010F03Rik	8.43271	7.01549	-0.265452	0.0078342	0.0714627
1300010F03Rik_j3	0.419706	0	-1.79769e+308	1.86E-06	7.10E-05
Elf1	4.23456	3.02768	0	1	1
Tdrd3	1.47252	1.45351	-0.0187517	0.943959	0.983288
Tdrd3_j1	0.400924	0.439396	0.132193	0.712039	0.895567
Tdrd3_j2	0.573596	0.695953	0.278956	0.458082	0.7608
6720463M24Rik_j3	0.34003	0.418006	0.297861	0.481694	0.775249
Pibf1_j1	1.0442	1.30924	0.326336	0.224455	0.571576
Pibf1_j2	0.0969125	0.019259	-2.33115	0.190131	1
Uchl3_j4	0.327161	0.460036	0.491746	0.441011	0.749878
Lmo7_j11	0.494398	1.96469	1.99056	4.44E-16	1.02E-13
XLOC_009838	0.394796	0.291817	-0.436044	0.48249	0.775667
Scel_j4	0	0.139809	1.79769e+308	0.075383	1
Scel_j8	0.0886437	0.0727312	-0.285444	0.809686	1
XLOC_009842	0.0467343	0.0677522	0.535785	0.635481	1
Ndfip2_j2	16.2426	17.3041	0	1	1
Ndfip2_j4	16.4031	19.4301	0	1	1
AK166274	0.223219	0.184029	-0.278527	0.786522	0.928645
FJ744746_j4	0.0410021	0.156437	1.93181	0.285184	1
FJ744746_j7	0.0736346	0	-1.79769e+308	0.157978	1
Slitrk5	3.61154	4.75989	0	1	1
XLOC_009851	0.207009	0.286343	0	1	1
XLOC_009851	0.117557	0.126062	0	1	1
Gpc5_j3	0.298172	0.0890668	-1.74319	0.0763393	0.333806
Gpc6_j1	0.517056	0.396336	-0.383596	0.4047	0.726779
AK147121_j7	0.154426	0.199566	0.36995	0.487606	0.77841

Mbnl2	7.8163	7.26039	-0.106439	0.509825	0.790859
Mbnl2_j3	19.663	18.9154	-0.0559208	0.627914	0.855065
Mbnl2_j7	47.8952	39.5651	-0.275651	0.0054233	0.0539947
Farp1_j3	2.23104	2.54393	0.189342	0.244652	0.592233
Farp1_j2	0	0.6507	1.79769e+308	2.76E-09	2.13E-07
Tm9sf2	0.323839	0.219364	0	1	1
Tm9sf2_j3	47.5331	39.3535	0	1	1
Zic2	4.07E-05	0.253881	12.6054	0.954208	0.98677
Itgbl1	0.14789	0.0616555	-1.26223	0.0271938	0.174221
AK041589_j4	0.0703311	0.0733976	0.0615701	0.975991	1
Pdhb_j1	45.8667	41.5167	-0.143754	0.14251	0.469152
XLOC_009882	0.0526216	0.106579	1.0182	0.638384	1
4930452B06Rik_j3	1.24647	0.749961	0	1	1
Fhit_j1	4.99374	7.22715	0.533306	0.0116275	0.09579
Cadps_j4	0	2.07211	0	1	1
Cadps_j2	30.0101	21.0209	0	1	1
Cadps_j3	5.95763	7.9217	0	1	1
Oxsm_j1	0.812332	0.288926	-1.49137	0.0006312	0.0098863
Nr1d2_j3	0.027325	0.160327	0	1	1
Nr1d2	4.52374	2.83514	0	1	1
Rpl15_j2	0.0366966	0.125354	1.77229	0.0630576	1
Ube2e2_j1	12.4029	11.9689	-0.0513884	0.781875	0.926329
2700060E02Rik_j3	0.300323	0.468682	0.642092	0.0892886	0.366337
Gng2_j3	72.1849	82.7305	0.196723	0.0221998	0.151467
Mrps16_j1	2.98049	2.75764	-0.112113	0.75305	0.914675
Anxa7	0.110776	0.0233677	0	1	1
Ppp3cb_j1	8.29038	5.75578	0	1	1
Ndst2_j6	1.45087	1.96936	0	1	1
Ndst2_j4	1.10968	1.26488	0	1	1
Ndst2	0.458189	0.492658	0	1	1
Kcnma1_j1	0.351939	0.298345	0	1	1
Kcnma1_j4	0.268071	0.465326	0	1	1
Kcnma1_j2	2.04739	2.25867	0	1	1
AK086741_j1	0.0515985	0.154124	1.57869	0.313038	1
Slmap_j5	1.7149	1.65971	0	1	1
Slmap_j3	3.42095	3.64557	0	1	1
Appl1_j3	0.363786	0.0758467	0	1	1
Il17rb_j2	0.17022	0.0940634	-0.855693	0.315067	0.659071
Cacna1d_j7	0.183016	0.218297	0	1	1
Stab1_j4	0.762471	1.85118	1.27969	3.53E-08	2.17E-06
Stab1_j10	0.0696175	0.0822403	0.240396	0.869879	1
Stab1_j11	0.116796	0.18498	0.663378	0.447798	0.754548
Phf7_j4	0.0461103	0.145185	1.65473	0.238947	1
Phf7	0.238653	0.0650541	-1.8752	0.115162	0.422095
Dnahc1_j4	0.0658559	0	-1.79769e+308	0.0681621	1
Sh3bp5_j1	4.96962	5.1421	0	1	1
Hacl1	1.94414	1.51958	0	1	1

Ankrd28_j4	0.430626	0.398585	0	1	1
Timm23_j1	0.660637	0.349891	0	1	1
Wdfy4_j3	0.365589	0.439676	0.266221	1	1
Fam35a_j4	0.470075	0.490928	0.0626198	0.826921	0.94428
Fam35a_j10	0.300065	0.246217	-0.285345	0.483195	0.77593
Nrg3_j6	0.474368	0.474889	0.00158185	0.995584	0.998772
Nrg3_j14	2.7561	0.000126064	-14.4162	0.95038	0.985656
Nrg3_j13	2.39951	5.00898	1.06178	3.29E-05	0.0008388
Sh2d4b	0.250381	0.271132	0	1	1
Tspan14_j2	0	0.572619	0	1	1
Tspan14	0.548383	0.163701	0	1	1
Tspan14_j3	1.13225	1.08341	0	1	1
5730469M10Rik_j1	4.03616	3.0626	0	1	1
5730469M10Rik_j2	1.56872	2.41743	0	1	1
Txndc16_j6	0.0866076	0.0531906	-0.703324	0.431511	1
Txndc16	6.60076	5.5398	-0.2528	0.0271266	0.173951
Gnpnat1_j3	0.603236	0.892075	0.564443	0.0310155	0.189865
Ddhd1_j1	0.147807	0.0173293	-3.09243	0.0089603	0.0788679
Cnih_j1	8.4082	9.6259	0.195125	0.282268	0.63083
Cnih	6.76364	7.74757	0.195944	0.108889	0.410527
Wdhd1_j1	1.32289	1.57184	0.248757	0.449322	0.755468
Slc35f4_j3	0.0795832	0.186808	1.23102	0.309415	0.654092
3632451O06Rik_j8	1.53462	10.1296	0	1	1
Ttc5	1.5229	0.94316	-0.691247	0.050015	0.258408
Klhl33_j1	0.712607	0.444887	-0.679667	0.0145932	0.112642
Ndr2_j1	15.2307	21.5658	0	1	1
Ndr2_j2	18.7827	27.4381	0	1	1
Ndr2_j3	15.9414	27.4863	0	1	1
Zfp219_j2	0.666067	0.548598	-0.279919	0.483247	0.775954
Hnrnpc_j6	4.44218	5.19412	0	1	1
Hnrnpc_j5	9.74284	10.1978	0	1	1
Chd8_j1	5.42063	4.59127	-0.239567	0.0376363	0.215281
Sall2_j1	2.24027	1.95903	0	1	1
Prmt5_j3	5.29315	4.11811	0	1	1
Haus4_j2	6.46371	6.66365	0.0439498	0.789072	0.929637
Jub_j1	0.078855	0.375275	2.25067	0.0089681	0.0788679
4931414P19Rik_j2	0	0.0625837	1.79769e+308	0.062173	1
Psb5_j1	4.87817	7.7043	0	1	1
Acin1_j7	7.58583	10.4093	0	1	1
Slc7a8_j6	0.140986	0	0	1	1
Slc22a17_j3	26.3691	20.7207	0	1	1
Zfhx2_j1	0.926612	0.658932	0	1	1
Ap1g2_j2	3.96004	4.12138	0	1	1
Tm9sf1_j1	0.556501	0.577911	0	1	1
Tm9sf1	6.25459	5.74362	0	1	1
Nedd8_j2	1.48014	1.64302	0	1	1
Nedd8	25.5747	28.5045	0	1	1

Dhrs1_j1	65.5323	88.9533	0	1	1
Dhrs1_j5	31.4768	40.3535	0	1	1
Ripk3_j2	0.0214354	0.107206	2.32231	0.401574	1
Mcpt4	0.315925	0.85516	1.43661	0.0006501	0.0101108
Pspc1_j2	0.374274	0	0	1	1
Zmym5_j5	0	0.47412	0	1	1
Cryl1_j1	0.59487	0.0790705	-2.91136	0.0892564	0.366263
Xpo4_j9	0.202963	0.213662	0.0741118	0.892289	0.965873
Lats2_j1	4.84409	4.75874	0	1	1
Zdhhc20_j2	0.354529	0.247124	0	1	1
Zdhhc20_j1	0.369824	0.375784	0	1	1
Setdb2_j7	0.420771	0.450363	0.0980528	0.812774	0.938836
Dleu7	0.603238	0.686064	0.185617	0.540148	0.808768
Ints6_j7	1.7822	1.86587	0	1	1
Fdft1_j2	1.4921	1.64396	0	1	1
Mttr9	6.98832	6.491	-0.106506	0.341158	0.681074
Hmbox1_j11	0.127141	0.14666	0	1	1
Extl3_j7	6.6616	4.84674	0	1	1
Ptk2b_j4	3.11518	2.50715	0	1	1
Dpysl2_j3	0.128449	0 -1.79769e+308		4.84E-05	1
Bnip3l_j2	5.7028	4.9575	-0.202056	0.675158	0.877609
Ppp2r2d_j3	0.10781	0.0948671	-0.184509	0.859919	1
Nefm_j3	1052.79	817.849	-0.364311	0.0005468	0.0087942
Nefm_j4	228.695	161.407	-0.502726	1.59E-07	8.04E-06
AK086749_j1	3.98482	4.3359	0.121816	0.461909	0.763021
R3hcc1	5.66585	8.11609	0	1	1
Chmp7_j2	6.72885	9.68911	0	1	1
Rhobtb2_j2	0.543853	1.29936	0	1	1
2610301G19Rik_j1	1.57046	2.12146	0.433875	0.073718	0.327189
Pdlim2_j3	1.59489	2.0113	0.334675	0.222962	0.570019
Sorbs3_j3	2.17114	3.12033	0	1	1
Sorbs3_j1	4.00563	4.55324	0	1	1
Ppp3cc	9.41087	9.58087	0	1	1
Slc39a14_j1	0.714756	0.518203	0	1	1
Polr3d_j2	4.37742	5.2238	0	1	1
Bmp1	0.202963	0.358459	0	1	1
Bmp1_j1	0.386268	0.409321	0	1	1
Fam160b2_j10	0.127973	0	0	1	1
Epb4.9_j9	0.446564	0.0812615	0	1	1
Epb4.9_j1	0.067749	0.0640401	0	1	1
Fgf17_j1	0.0948695	0.131818	0.474529	0.557764	1
Fndc3a_j4	2.68325	3.54451	0	1	1
Fndc3a_j5	0.0856471	0.191413	0	1	1
Cysltr2_j5	0.275567	0.099099	-1.47546	0.0116982	0.0962435
Lrch1_j2	0.310982	0.739328	0	1	1
Lrch1_j4	0.190092	0.237679	0	1	1
XLOC_010129	0.114529	0.483469	2.07772	0.0837592	0.352949

XLOC_010129	1.17059	1.54039	0.396049	0.253825	0.601967
Cog3_j4	0	0.300621	0	1	1
Cog3_j2	0.795893	1.39865	0	1	1
Slc25a30_j1	4.59124	5.05304	0.138268	0.404187	0.72669
Dnajc15_j5	0.172114	0.19479	0	1	1
Lect1_j2	3.09599	3.50816	0	1	1
Lect1	6.66014	6.81452	0	1	1
Klhl1_j4	0.0525415	0.0494102	-0.0886484	1	1
Dach1_j2	0.0941268	0 -1.79769e+308	0.0640593	1	1
Dach1_j4	0.322164	0.264996	-0.281826	0.62109	0.851483
Dach1_j3	0.0597267	0.0309676	-0.947616	0.547249	1
Dis3_j2	0.638993	0.679574	0.0888314	0.742627	0.90994
Tbc1d4_j3	0	0.648253	0	1	1
Tbc1d4_j4	0.178662	0.586619	0	1	1
Tbc1d4_j5	0.64722	0.715152	0	1	1
Fbxl3_j4	3.0248	4.82607	0	1	1
Fbxl3_j5	2.24859	1.90401	0	1	1
Mycbp2_j3	2.52251	2.16864	-0.218071	0.0647969	0.30276
Mycbp2_j2	0	0.0512463 1.79769e+308	0.0006514	1	1
Mycbp2_j1	0.0628003	0.0179041	-1.81048	0.0224284	1
Ednrb_j1	0	0.1755	0	1	1
Pou4f1_j1	14.1628	12.4754	0	1	1
Rnf219	5.63477	4.34667	-0.374446	0.0047252	0.0485971
Rbm26	1.30883	1.04464	0	1	1
XLOC_010177	0.0861387	0 -1.79769e+308	0.026507	1	1
XLOC_010177	0	0.121816 1.79769e+308	0.075568	1	1
XLOC_010177	0.388976	0.664776	0.773189	0.0538696	0.270481
XLOC_010177	0.165899	0.172491	0.0562112	0.944681	0.983577
XLOC_010178	0.374068	0.579881	0.632456	0.2768	0.625815
XLOC_010177	0.139117	0.11854	-0.230923	0.86155	0.956211
Tgds_j5	0.233023	0.669351	1.52229	0.0676125	0.31119
Abcc4_j5	0.840892	1.3895	0	1	1
Dzip1_j4	1.18658	0.541127	0	1	1
Dzip1_j5	1.11716	0.684307	0	1	1
Uggt2_j4	0.110705	0.303056	1.45287	0.0082353	0.0742319
Stk24_j3	21.0017	10.0331	0	1	1
Dock9_j16	2.72821	2.79495	0.0348714	0.860677	0.955865
Tmtc4_j4	1.87206	5.0015	0	1	1
Tmtc4	8.27906	15.8532	0	1	1
Nalcn_j5	2.13066	1.04148	-1.03267	7.96E-07	3.42E-05
Nalcn_j4	0	0.243422 1.79769e+308	1.62E-06	6.27E-05	
Flnb_j5	0.623093	1.64116	0	1	1
XLOC_009546	0.0622691	0.0631719	0	1	1
3830406C13Rik_j4	12.8853	11.7176	-0.137047	0.246812	0.594332
Atxn7_j4	0.674347	0.630512	-0.0969655	0.683623	0.881559
Atxn7_j5	0.604135	0.341976	-0.820978	0.009712	0.0838659
Il3ra_j6	0.3189	0.463904	0.540719	0.255539	0.604238

Il3ra_j8	0.731476	0.593386	-0.30184	0.392531	0.718786
Thrb_j1	0.101485	0.114115	0.169234	0.754677	1
Thrb_j7	0.0988345	0	-1.79769e+308	0.0001303	1
Fam149b_j4	0.304986	0.282216	-0.111943	0.657576	0.869529
Sec24c_j4	1.12864	0.996917	-0.179041	0.34639	0.685483
2310021P13Rik_j7	0.164223	0	0	1	1
Plau_j1	0.998064	2.15452	0	1	1
Vcl_j2	0.397763	0	0	1	1
Myst4_j2	0.0442107	0.0657011	0	1	1
Myst4_j1	0.138619	0.11482	0	1	1
Vdac2_j5	0.126369	0.123093	0	1	1
1700112E06Rik_j4	1.53794	0.651816	-1.23846	0.0335824	0.200268
Rps24	7.51074	13.5438	0	1	1
Rps24	22.7768	25.0419	0	1	1
Rps24_j7	7.8678	8.43767	0	1	1
Zmiz1_j1	0.851222	0.204825	-2.05514	3.47E-07	1.61E-05
Zmiz1_j6	3.72466	2.45017	-0.604228	9.52E-05	0.0020639
Fam116a_j5	3.69091	3.84511	0	1	1
Arhgef3	1.87723	1.9601	0	1	1
Arhgef3_j2	1.19045	0.784936	0	1	1
D14Abb1e_j1	0.183921	0	-1.79769e+308	1.71E-13	2.76E-11
Erc2_j3	1.60026	2.61669	0	1	1
Erc2_j7	1.02573	1.50775	0	1	1
Erc2_j8	3.24113	3.30867	0	1	1
Erc2_j11	1.15637	0.000620403	0	1	1
Wnt5a_j2	0.0989956	0	0	1	1
Dcp1a_j2	0.984909	1.10684	0	1	1
Tkt_j1	0.167226	0	0	1	1
Sfmbt1_j2	0.341179	0.113888	0	1	1
XLOC_009600	0.0489122	0.0334279	-0.549144	0.725241	1
Nek4_j4	0.573791	0.622132	0.116697	0.788216	0.929506
Tnnc1_j3	0.208918	0.28143	0	1	1
Tnnc1_j4	0.211767	0.0800338	0	1	1
Sema3g_j1	2.85381	2.4546	0	1	1
Galnt12_j2	0.209557	0.00584077	-5.16504	0.0101027	0.0861559
Galnt12_j1	0.082242	0	-1.79769e+308	7.00E-05	1
Ncoa4_j3	1.0092	1.2131	0.265493	0.507582	0.789728
Ogdhl_j4	1.8159	1.52134	0	1	1
Ogdhl_j5	4.04233	4.44772	0	1	1
Ercc6_j2	0	0.11601	1.79769e+308	0.0001653	1
Ercc6_j6	0.397229	0.447712	0.172602	0.565899	0.824157
Ercc6_j11	0.760953	0.859327	0.175401	0.476567	0.772209
XLOC_009619	0.108086	0.0427733	-1.3374	0.365376	1
1810011H11Rik_j1	0.185591	0.0199671	-3.21643	0.242833	0.590261
E130203B14Rik_j1	2.12313	2.56101	0.270517	0.222542	0.56956
Rpl23a-ps3	107.43	123.78	0.204377	0.0334745	0.199875
Syt15_j4	0.231254	2.22E-05	-13.3453	0.925468	0.976854

Grid1_j4	1.26258	1.21715	-0.0528702	0.854396	0.953902
Gm8104_j4	0.177564	0	-1.79769e+308	0.0006728	0.0104079
XLOC_009649	0.131062	0.0428189	-1.61393	0.226276	1
Socs4_j2	2.23645	1.73544	0	1	1
Lgals3	3.43083	7.09167	1.04757	3.90E-05	0.0009647
Peli2	0.79058	0.910258	0	1	1
6720456H2ORik	0.405137	0.146838	0	1	1
6720456H2ORik_j2	0.650291	0.771131	0	1	1
XLOC_009667	334.004	405.484	0.279777	0.0388691	0.219867
Pnp_j2	1.31763	1.38283	0.0696766	0.696901	0.888405
Rnase6	0.133784	0.291446	1.12333	0.0572466	0.280387
Mett11d1_j4	0.561719	0.350413	-0.680791	0.159619	0.494017
Arhgef40_j2	0.13563	0	0	1	1
Tcra_j2	0.185089	0	-1.79769e+308	0.0107387	0.0901908
Ngdn_j4	9.00846	10.3657	0.202459	0.205352	0.549744
Gm10364	0.149286	0.169749	0.185321	0.772579	0.922879
Dcaf11_j5	2.42864	2.76084	0.184957	0.483523	0.77601
Nfatc4_j3	0.0729498	0	-1.79769e+308	0.0044512	1
Nynrin	0.676888	0.695765	0.0396815	0.852625	0.953298
XLOC_009725	0.0713197	0.0699972	-0.0270039	0.972222	1
Gm10094_j1	9.30516	9.47548	0.0261689	0.800244	0.933436
AK014273	0.711294	0.620338	-0.197392	0.682045	0.880617
AK014273_j1	0.261303	0.22972	-0.185844	0.859978	0.955708
Rcbtb1_j4	4.32883	4.4865	0	1	1
Wdfy2_j1	0.25021	0	0	1	1
Xkr6_j2	0.311318	0.158084	-0.977693	0.143769	0.470722
Pinx1_j1	1.49715	1.31	-0.192659	0.65366	0.867529
Fbxo16_j3	1.04398	0.725723	-0.524605	0.29476	0.641359
Zfp395_j1	0.235664	0	-1.79769e+308	1.09E-07	5.82E-06
Clu_j2	4.85484	4.64528	-0.0636581	0.765852	0.920008
Clu_j4	0.751784	0.668122	-0.170208	0.734049	0.90626
Clu_j5	0.1604	0.0533765	-1.5874	0.371034	0.703973
XLOC_009767	0.166171	0.10095	0	1	1
Stmn4_j3	6.4375	19.7852	1.61985	0	0
Ebf2	0.248171	0.301513	0.280889	0.44534	0.752905
Ebf2_j2	0.512309	0.267746	-0.936146	0.0264216	0.170801
Kctd9_j1	0.975033	0.556227	-0.809777	0.191867	0.534088
XLOC_009773	0.138546	0.181914	0.392885	0.669482	0.874851
Gnrh1_j2	0.103712	0.107419	0.0506707	0.957056	1
Entpd4_j5	14.9244	13.1848	-0.178793	0.173733	0.511655
AK133329_j2	0.169363	0.110229	-0.619612	0.32311	0.666115
Tnfrsf10b_j1	0.255542	0.209988	-0.283258	0.625685	0.853962
Phyhip_j1	1.54949	1.4564	-0.0893935	0.708693	0.893844
Nudt18_j1	0.654724	0.174027	-1.91158	0.125768	0.441571
XLOC_009792	0.145898	0.0928092	-0.652617	0.160289	0.49487
Med4_j2	0.195539	0	-1.79769e+308	0.0045572	0.0473672
XLOC_009799	0.090801	0	-1.79769e+308	0.021981	1

Zc3h13_j7	2.17535	2.82487	0	1	1
Enox1_j3	0.973835	0.707434	0	1	1
Enox1_j9	3.3511	5.17651	0	1	1
Olfm4_j2	0.0769082	0 -1.79769e+308	0.0118046		1
Pcdh17_j1	0.589228	0.690078	0.227933	0.289405	0.636908
Tdrd3_j6	1.81449	1.40694	-0.366999	0.142157	0.468814
Tdrd3_j7	1.2397	2.1246	0.777195	0.0013789	0.0185109
Klf5_j1	7.01767	7.00396	-0.00282185	0.982787	0.994708
Uchl3_j8	0.674056	0.770447	0.192827	0.725303	0.902457
Lmo7_j2	0.0931374	0.509358	2.45125	4.22E-06	0.0001458
Lmo7_j9	0.090323	1.37008	3.92302	2.22E-15	4.62E-13
Lmo7_j12	2.09603	7.96656	1.92629	0	0
Scel_j2	0.164254	0.118677	-0.468893	0.493595	0.78204
Scel_j5	0.108579	0 -1.79769e+308	0.0031466		1
Ndfip2_j1	32.8301	32.119	0	1	1
FJ744746	0.480738	0.394623	-0.284774	0.568761	0.825676
FJ744746_j1	0.145091	0 -1.79769e+308	0.0097999	0.0844436	
Gpc5_j2	0.187763	0.0679188	-1.46703	0.150103	0.48004
AK147121_j1	0.253305	0.12319	-1.03999	0.0444797	0.240614
Mbnl2_j4	0.761854	0.423719	-0.846408	0.125014	0.440439
Mbnl2_j5	0.130737	0 -1.79769e+308	0.0102994		1
Mbnl2_j6	1.83066	4.60985	1.33236	8.20E-08	4.51E-06
XLOC_009865	0.197237	0.137957	-0.515709	0.275618	0.624585
AK041589_j2	0.103988	0 -1.79769e+308	0.0133943		1
Fhit_j3	0.54444	0.683494	0.328158	0.658311	0.870123
Fhit_j4	6.326	8.11477	0.359256	0.292005	0.638936
Fhit_j10	1.15438	0.988929	-0.223183	0.721791	0.900696
Cadps_j9	8.78654	9.55912	0	1	1
Cadps_j10	0.227027	0.151687	0	1	1
Thoc7_j1	14.4388	12.6498	0	1	1
Thoc7_j2	2.66566	2.72015	0	1	1
Oxsm_j2	0.240711	0 -1.79769e+308	4.38E-06	0.0001508	
Oxsm	1.36154	1.62638	0.256419	0.230324	0.577332
Nr1d2_j4	1.69174	1.36319	0	1	1
2700060E02Rik	0.397185	0.415865	0.0663028	0.846072	0.951378
Gng2_j4	0.285897	0 -1.79769e+308	6.16E-07	2.72E-05	
1810063B07Rik_j1	2.85567	3.03108	0.0860013	0.790214	0.930148
Dnajc9_j1	3.30185	3.53501	0.0984391	0.498721	0.78413
Ttc18_j8	0.23771	0.197227	-0.269346	0.641937	0.86192
Ttc18_j11	0.067865	0 -1.79769e+308	0.0686852		1
Zmynd17_j2	0.190556	0.0915223	-1.05802	0.320279	0.663642
Ppp3cb_j2	16.456	15.8329	0	1	1
Ppp3cb_j3	2.59559	1.69551	0	1	1
Camk2g	17.9671	18.0661	0	1	1
Camk2g	12.5784	16.0227	0	1	1
Kcnma1_j2	4.12601	3.81691	0	1	1
Kcnma1_j6	0.0643065	0	0	1	1

Dlg5_j6	0.442826	0.18858	0	1	1
Polr3a_j1	3.57022	3.26992	0	1	1
AK086741_j2	0.22905	0.0071589	-4.99978	0.505018	0.788044
D14Ertd449e_j2	0	0.0502575	1.79769e+308	0.19551	1
D14Ertd449e_j1	5.71667	6.39491	0.161749	0.414551	0.732858
Smap_j12	0.780094	0.561132	0	1	1
Appl1_j4	0.545995	0.413464	0	1	1
Ccdc66	0.640751	0.565502	-0.180231	0.522424	0.798883
Cacna1d	0.38695	0.480723	0	1	1
Cacna1d_j14	0.0451432	0.0669592	0	1	1
Itih3_j5	0.054284	0	-1.79769e+308	0.0253167	1
Gnl3_j2	0.243334	0.58335	0	1	1
2010107H07Rik_j2	0.173024	0.0863777	0	1	1
Stab1_j2	0.200582	0.196711	-0.0281123	0.958481	0.988065
Nisch_j1	2.68686	1.69467	0	1	1
Nisch_j2	36.3575	35.58	0	1	1
Hacl1_j1	0.58928	0.634224	0	1	1
Ankrd28	1.84112	2.14774	0	1	1
3425401B19Rik	0.440096	0.464951	0.0792605	0.746288	0.911608
Fam35a_j8	0.129306	0	-1.79769e+308	6.07E-05	1
Sncg_j1	545.848	675.932	0.308378	0.0004338	0.0072243
Ldb3_j1	0.257236	0.00211047	0	1	1
Ldb3_j4	1.68546	1.14347	0	1	1
Opn4_j1	0.1125	0.0774137	-0.539259	0.663703	1
Gcap14_j2	34.166	25.8855	0	1	1
Gcap14_j3	0.249742	0	0	1	1
Cdhr1_j2	5.60516	8.13776	0	1	1
Nrg3_j11	11.5663	7.14888	-0.694138	0.121092	0.433262
Txndc16_j4	0.296548	0.250891	-0.241206	0.613108	0.847467
Ddhd1_j10	3.79418	3.97796	0.0682433	0.63189	0.856815
Ddhd1_j9	0.374343	0	-1.79769e+308	2.33E-19	6.40E-17
Ddhd1	2.02081	1.6393	-0.301851	0.0436154	0.237298
Gmfb_j2	39.8971	33.3845	0	1	1
XLOC_009992	0.11713	0.0881126	-0.410684	0.729891	1
Wdhd1_j2	0.21208	0.0211905	-3.32312	0.0274511	0.175242
Wdhd1_j3	0.0846095	0	-1.79769e+308	0.0015726	1
Wdhd1_j4	0.114055	0.102923	-0.148164	0.827942	1
Slc35f4_j1	4.5236	3.41191	-0.406893	0.0366887	0.211804
Slc35f4_j5	0.00417877	0.0497112	3.57242	0.499879	1
3632451O06Rik_j1	0.520648	0.810585	0	1	1
3632451O06Rik_j5	0.407418	0.291113	0	1	1
Ttc5_j3	1.43553	1.33826	-0.101225	0.568016	0.825207
Osgep_j1	3.13909	2.98124	-0.0744328	0.614671	0.847787
Ndrp2_j7	1.10333	0	0	1	1
Zfp219_j1	2.42735	2.68993	0.148182	0.2725	0.621353
Zfp219	0.148702	0.302742	1.02566	0.0045408	0.0472289
Hnrnpj4	0.00625716	0.0487717	0	1	1

Chd8_j8	2.71691	2.8503	0.0691475	0.630863	0.856455
Sall2_j2	0.498224	0.453051	0	1	1
Sall2	3.2456	3.37031	0	1	1
Prmt5_j1	0.681846	1.38586	0	1	1
4931414P19Rik_j3	0.392083	0.119486	-1.71432	0.0221659	0.151299
Cdh24_j3	0.746149	1.08175	0.535834	0.099399	0.390293
Cdh24_j8	0.0428353	0.0865029	1.01395	0.491304	1
Acin1	3.85557	3.94133	0	1	1
Acin1_j4	1.17909	1.34501	0	1	1
Slc7a8_j2	0.112471	0	0	1	1
Slc7a8_j3	1.16508	0.00030026	0	1	1
Slc7a8_j4	1.16416	1.97971	0	1	1
Zfx2_j4	1.56936	1.30772	0	1	1
Psme2_j1	0.040174	0.0651894	0.698376	0.570642	1
Psme2_j2	0.0718668	0.0575132	-0.321434	0.754086	1
Psme2_j4	0.590614	0.448853	-0.395972	0.533944	0.805317
Ipo4_j3	17.9916	20.2939	0	1	1
Ipo4_j4	1.2744	2.21972	0	1	1
Rabggta_j3	0.428838	0.686564	0.678961	0.109904	0.412503
Adcy4_j3	0.133549	0.0136156	-3.29404	0.06635	1
Adcy4_j5	0.0572348	0 -1.79769e+308	0.0100284	0.0100284	1
Ripk3_j1	0.110703	0.0506016	-1.12943	0.45054	1
Sdr39u1_j2	2.02136	1.50169	0	1	1
Sdr39u1_j1	11.0785	9.1816	0	1	1
Zmym5_j9	0.750514	0.511216	0	1	1
Zmym5_j10	0.744368	0.608777	0	1	1
Zmym5_j15	2.02933	0.361162	0	1	1
Gjb6_j1	0.141278	0.157522	0.157018	0.841564	0.949932
Gjb6	0.138064	0.13657	-0.0156955	0.983624	0.995188
Tnfrsf19	0.33213	0.089342	-1.89434	0.0054313	0.0540236
Kpna3_j2	3.9636	6.00729	0	1	1
Fdft1_j4	24.6555	31.5495	0	1	1
Neil2_j3	0.0969225	0 -1.79769e+308	0.0177684	0.0177684	1
Neil2	0.169114	0.248988	0.558084	0.491528	0.780571
Msra_j1	2.38217	2.91347	0	1	1
Msra_j2	1.63552	0	0	1	1
Hmbox1_j2	2.39533	1.46684	0	1	1
Extl3_j6	15.835	21.7683	0	1	1
Fzd3_j1	0.23151	0 -1.79769e+308	3.17E-16	7.58E-14	1
Ephx2_j2	0.331315	0.589351	0.830924	0.191709	0.533938
Ptk2b_j2	0.261168	0	0	1	1
Bnip3l_j1	0.23441	0.0434183	-2.43266	0.0428135	0.234279
Nefm_j1	24.8819	4.62043	-2.429	0	0
AK086749_j2	0.125925	0.0706133	-0.834553	0.262737	1
Chmp7_j1	2.24455	3.32989	0	1	1
Rhobtb2_j5	2.69794	2.85916	0	1	1
9930012K11Rik_j2	0.582121	0.466989	-0.317931	0.626761	0.854266

Ppp3cc_j1	0.481719	0.162157	0	1	1
Polr3d_j1	1.38649	2.29624	0	1	1
Bmp1_j2	1.56137	2.57874	0	1	1
Fam160b2_j6	0.788501	1.33934	0	1	1
Fam160b2_j5	3.03514	2.53691	0	1	1
Fam160b2_j4	3.12286	2.68533	0	1	1
Cysltr2	0.206511	0 -1.79769e+308		2.97E-08	1.87E-06
Dnajc15_j3	0.0686174	0.028219	0	1	1
Dnajc15_j2	3.64179	3.32353	0	1	1
Dgkh_j6	16.6022	15.0782	0	1	1
Naa16_j1	0.0682272	0 -1.79769e+308		0.0207426	1
Naa16_j2	0.0770906	0 -1.79769e+308		0.007038	1
Wbp4_j1	21.0925	22.4995	0.0931585	0.380699	0.71156
XLOC_010150	0.231289	0.196977	-0.23167	0.788184	0.929506
Pcdh9_j7	0.0695106	0 -1.79769e+308		0.181396	1
Pcdh9_j9	3.73593	3.22113	0	1	1
Pcdh9_j10	0.743169	0.893405	0	1	1
Klf12_j6	0.262252	0.301352	0.200496	0.500207	0.785035
Tbc1d4_j7	0.533517	0.367743	0	1	1
Tbc1d4_j6	0.327673	0.256058	0	1	1
Fbxl3_j1	2.15778	2.53741	0	1	1
Fbxl3_j3	0.0128132	0.268479	0	1	1
Ednrb_j2	8.26362	9.49596	0	1	1
Ednrb	7.20225	5.43493	0	1	1
Rbm26_j2	2.56226	2.81722	0	1	1
XLOC_010170	0.183417	0	0	1	1
Tgds_j4	0.217717	0 -1.79769e+308		0.0081085	0.0733328
Uggt2_j3	0.218704	0.199611	-0.131792	0.759443	0.91718
Uggt2_j2	0.0544553	0.0469872	-0.212805	0.74799	1
Uggt2_j7	0.354692	0.239535	-0.566332	0.178752	0.51826
Stk24_j4	1.4984	0	0	1	1
Stk24	1.77744	1.98203	0	1	1
Dock9_j11	0.984567	1.01613	0.0455241	0.818829	0.941291
Nalcn_j3	0.727134	0.554157	-0.391926	0.139853	0.465246
Nalcn_j9	0.862037	0.789148	-0.127454	0.575135	0.828142
Nalcn_j8	1.17802	1.02915	-0.194912	0.389254	0.716466
FGF-14C (FHF-4C)_j1	0.351494	0.141909	-1.30853	0.308444	0.653344
Flnb_j1	0.467609	0.591512	0	1	1
Abhd6	0.193171	0.213859	0.14678	0.735073	0.906609
Pxk	2.60011	2.48059	-0.0678854	0.588236	0.835413
Pxk	1.94765	1.83423	-0.0865549	0.53664	0.807022
3830406C13Rik_j1	0.405565	0.325519	-0.317193	0.521123	0.798005
3830406C13Rik	1.12976	1.25412	0.150661	0.606716	0.845067
Synpr_j1	18.4136	19.2099	0.06108	0.741047	0.90924
Atxn7_j6	0	0.130403 1.79769e+308		0.0005422	1
Il3ra_j5	0	0.0807624 1.79769e+308		0.081691	1
Slc4a7	0.246453	0.0641456	0	1	1

Slc4a7_j6	0.381441	0.377966	0	1	1
Top2b_j5	0	0.23859	0	1	1
Thrb_j3	0	0.136558	1.79769e+308	0.0002635	1
Thrb_j2	0.243645	0.123124	-0.984664	0.046993	0.24858
Nid2_j1	2.28767	3.13564	0.45488	0.0024994	0.0298369
Sec24c_j2	0.48996	0.61412	0.325856	0.25015	0.597732
Sec24c_j7	2.94835	4.09183	0.472839	0.0001523	0.0030554
Sec24c_j9	0.222579	0.151398	-0.555969	0.186898	0.527882
2310021P13Rik_j5	3.33062	3.60411	0	1	1
Vcl_j1	6.18194	8.11463	0	1	1
Adk_j1	21.5861	21.9827	0.0262624	0.860512	0.955855
Myst4_j4	0.426419	0.549475	0	1	1
Samd8_j1	0.339273	0.782982	0	1	1
Samd8_j2	0.00160618	0.283386	0	1	1
Rps24_j4	2.13929	1.87981	0	1	1
Ppif_j1	2.23151	1.93558	-0.205253	0.649424	0.865303
Il17rd_j3	5.67E-05	0.289422	12.3174	0.899682	0.967998
D14Abb1e_j4	0.14769	0.268664	0.863229	0.0088648	0.0782984
Erc2_j13	0	1.12774	0	1	1
Wnt5a	0.0591779	0.417712	0	1	1
Actr8_j1	15.2937	15.0741	-0.0208721	0.847215	0.951638
Tkt_j8	1.14151	2.27054	0	1	1
Nek4_j1	1.21646	0.994505	-0.290643	0.281209	0.629634
Nek4_j3	1.60903	1.35087	-0.252301	0.341611	0.68153
Pbrm1_j4	0.801672	0.714922	0	1	1
Pbrm1_j3	1.68602	2.1971	0	1	1
Tnnc1_j1	0	0.301213	0	1	1
Tnnc1_j5	0.364547	2.69036	0	1	1
Bap1_j1	0.0647704	0.0950223	0.552931	0.645982	1
Erc6_j7	0.108295	0	-1.79769e+308	4.76E-06	1
Prrxl1_j1	0.569107	0.557135	0	1	1
1810011H11Rik_j2	4.65E-06	0.332815	16.1256	0.996748	0.999085
Grid1_j2	0.273009	0.61087	1.16192	0.0143691	0.111552
XLOC_009634	0.0369318	0.187914	2.34714	0.248772	0.59633
Gm8104_j2	0.13457	0.140603	0.0632647	0.950958	1
Ptger2_j1	0.143385	0.147112	0.037028	0.970986	0.991858
XLOC_009649	0.0405738	0.133963	1.72321	0.359404	1
Socs4_j1	0	0.0593628	0	1	1
Ktn1_j1	0	0.618887	0	1	1
Ktn1_j10	1.28999	0	0	1	1
Ktn1_j11	9.32472	18.862	0	1	1
Mudeng_j1	1.71736	1.21157	-0.503309	0.0829056	0.350922
Pnp_j3	2.1882	4.02218	0.878232	0.0019029	0.0240105
Rnase4_j3	10.0148	23.8995	0	1	1
Mett11d1_j8	1.20019	1.11307	-0.108719	0.750393	0.913378
Slc39a2_j4	0	0.0921014	1.79769e+308	0.101339	1
Arhgef40_j6	0.0578935	0.147407	0	1	1

Arhgef40_j7	3.333	4.29492	0	1	1
Trdv1	0.0384638	0.146722	1.93151	0.0343076	1
Tcrd_j1	0	0.242169	1.79769e+308	0.0164162	0.122653
Tcra_j4	1.89E-05	0.310209	14.0032	0.99064	0.997044
Mmp14_j2	0.063433	0.335657	2.40368	0.0010138	0.0144661
Pabpn1_j1	1.20067	1.04534	-0.199871	0.214342	0.559705
Pabpn1_j3	0.532979	0.473359	-0.171143	0.459113	0.761406
Cmtm5	14.7218	14.4987	-0.0220308	0.883555	0.963043
Cmtm5_j6	2.52598	2.25833	-0.161591	0.514042	0.793041
Cmtm5_j7	0.21371	0.274855	0.363016	0.258755	0.60754
Ngdn_j2	0	0.20161	1.79769e+308	0.0456883	0.24468
Lrrc16b_j1	1.14246	1.12887	0	1	1
Lrrc16b_j4	6.74593	6.65837	0	1	1
Cpne6_j6	5.92313	7.55215	0.350527	0.03465	0.204438
Cpne6_j5	133.652	126.313	-0.0814825	0.346376	0.685483
Dcaf11_j2	0.793785	0.82202	0.0504251	0.871524	0.959237
Dcaf11_j1	0.203358	0.168284	-0.273122	0.664788	0.873063
Dcaf11_j6	0	0.0852467	1.79769e+308	0.136888	1
Nfatc4_j1	0	0.050978	1.79769e+308	0.0530081	1
Nfatc4	0.0381392	0.252978	2.72966	0.0006029	0.0095225
Rnf17_j1	0.0377803	0.0932198	1.303	0.340304	1
Rnf17_j3	0.0341562	0.119562	1.80754	0.363841	1
Parp4_j1	2.13259	2.25061	0	1	1
Parp4_j3	2.68391	6.59831	0	1	1
XLOC_009723	0.0650716	0.121564	0.901611	0.490069	1
Ift88_j1	3.1892	3.23602	0.0210278	0.911347	0.972265
Rcbtb1_j2	0	0.468654	0	1	1
Spata13_j2	0.336219	1.05081	0	1	1
Trim13_j2	2.33515	1.77763	-0.393563	0.15644	0.489919
Kcng	0.150442	0.169733	0.17406	0.663697	0.872653
Serpine3_j1	0.157485	0.154912	0	1	1
Wdfy2_j4	0.850981	0.585172	0	1	1
Prss51_j1	0.041354	0.31884	2.94673	0.0039135	0.0422463
Kif13b_j1	0.26363	0.194387	0	1	1
Zfp395_j5	0.25804	0.759597	1.55764	6.70E-06	0.0002193
XLOC_009765	0.0580483	0.120333	1.05171	0.32183	1
Clu_j3	0	0.706607	1.79769e+308	0.0001783	0.0034906
Pnma2_j2	2.53379	1.48061	0	1	1
XLOC_009773	0.135722	0.264293	0.961487	0.165587	0.502238
Entpd4_j1	2.623	1.6844	-0.638983	0.0002353	0.0043846
AK133329_j3	0.0978269	0.114199	0.223248	0.871611	1
Nudt18_j2	2.04824	2.60561	0.347237	0.125625	0.441544
Dok2_j1	0.031202	0.0799946	1.35826	0.32207	1
Gfra2_j4	0	0.104044	0	1	1
Med4_j1	7.27299	8.51035	0.226669	0.137967	0.461744
XLOC_009802	0.0707375	0.142681	1.01225	0.200165	1
Esd_j4	8.45365	13.7484	0	1	1

Lcp1	30.0321	23.2847	0	1	1
Tpt1_j1	9.81753	10.2833	0.0668648	0.561732	0.821809
XLOC_009813	0.0720395	0.1305	0.85719	0.297573	1
Enox1_j2	1.50624	1.2842	0	1	1
Epsti1_j1	0	0.0836256	1.79769e+308	0.0650143	1
Sugt1_j2	14.8543	18.2224	0.294828	0.0235742	0.157686
Olfm4_j3	2.04E-05	0.183367	13.1322	0.975417	0.992893
Olfm4_j4	0.214147	0.195041	-0.134821	0.826936	0.94428
Tdrd3_j9	0.839243	1.04363	0.314447	0.381774	0.712068
6720463M24Rik_j1	0	0.143478	1.79769e+308	4.95E-05	1
Uchl3_j7	0.189617	0.126514	-0.583792	0.641384	0.861715
Lmo7_j3	0	0.0616645	1.79769e+308	0.0322411	1
Lmo7_j4	0	0.68669	1.79769e+308	6.87E-11	7.23E-09
XLOC_009838	0.317726	0.268936	-0.240522	0.6059	0.844806
XLOC_009838	0.316425	0.192489	-0.717085	0.154508	0.48769
XLOC_009838	0.509831	0.69374	0.444376	0.160529	0.495121
Scel_j6	0.0832431	0.296793	1.83406	0.0111107	0.0926604
FJ744746_j3	0.0671914	0.075013	0.158863	0.915107	1
FJ744746_j6	0.0222283	0.086445	1.95938	0.413164	1
Gpc6_j2	0.616806	0.456891	-0.432968	0.134482	0.456349
Gpr180_j1	0.278072	1.03758	0	1	1
Hs6st3_j2	2.75163	2.86929	0	1	1
XLOC_009864	0	0.0523422	1.79769e+308	0.0920875	1
Tm9sf2_j5	3.40102	4.07676	0	1	1
AK041589_j1	0.09689	0.0661145	-0.55138	0.757807	1
Fam107a	0.1222	0.110228	-0.148762	0.84541	1
4930452B06Rik_j2	0.125154	0.475852	0	1	1
Fhit_j8	0.0478853	0.185448	1.95336	0.498204	0.783887
Fhit_j9	0.0268657	0.168511	2.649	0.530459	0.803081
Cadps_j7	32.7772	33.0787	0	1	1
Cadps_j14	1.97257	1.12908	0	1	1
Thoc7_j6	6.45813	7.0847	0	1	1
Psm6_j1	22.1266	21.3754	-0.04983	0.71741	0.89808
Lrrc3b_j4	2.86549	4.70052	0	1	1
Gng2_j2	0	0.330734	1.79769e+308	8.30E-05	0.001831
XLOC_009903	0.0972514	0.356254	1.87312	0.0066357	0.0631794
Kcnk16_j4	0	0.661524	0	1	1
Kcnk16	0.218314	0.555647	0	1	1
Ttc18_j9	0.0564035	0.0911789	0.692915	0.633445	1
Zmynd17_j3	0.0913386	0.110947	0.280573	0.820413	1
Zmynd17_j1	0	0.0796189	1.79769e+308	0.0648981	1
Ppp3cb_j6	19.0564	16.3459	0	1	1
Camk2g_j2	0.946119	0.196668	0	1	1
Camk2g_j6	0.394739	0.340606	0	1	1
Ap3m1_j4	0.377525	0.252492	-0.580332	0.602331	0.842837
Ap3m1_j5	1.50144	1.60149	0.093071	0.824729	0.943424
Slmap_j7	4.65232	3.24436	0	1	1

Appl1_j5	7.47811	7.24892	0	1	1
Ccdc66_j1	0.803584	0.848341	0.0781965	0.756576	0.916114
Cacna2d3_j4	0	0.0703343	0	1	1
Cacna1d_j6	0.106749	0.104553	0	1	1
Cacna1d_j5	0	0.0550135	0	1	1
Cacna1d_j11	0.0159727	0.0956176	0	1	1
Cacna1d_j12	0.0994311	0.0769048	0	1	1
Prkcd_j1	71.0121	75.3068	0	1	1
Itih3_j1	0.034048	0.0872536	1.35765	0.512535	1
Itih3_j4	0	0.107491	1.79769e+308	0.0857013	1
Itih3_j9	0.040807	0.133738	1.71252	0.270753	1
Itih3_j10	0.00829745	0.0639299	2.94575	0.422632	1
2010107H07Rik_j1	0.290207	0.280975	0	1	1
Stab1_j1	1.51959	3.1443	1.04905	1.97E-07	9.75E-06
Stab1_j9	0	0.113763	1.79769e+308	0.0006554	1
Nisch_j4	28.4074	36.5104	0	1	1
Dnahc1_j1	0	0.0924366	1.79769e+308	0.0910689	1
Dph3	0.971345	1.50326	0.630041	0.0127316	0.102443
Wdfy4_j4	0.102469	0.1544	0.591476	0.362655	1
Wdfy4_j7	0.0533853	0.212097	1.99021	0.077569	0.337104
XLOC_009960	0.0755768	0.105375	0.479523	0.633239	1
Fam35a_j11	0.0695378	0.0954441	0.456857	0.616069	1
Fam35a_j12	0.491252	0.416002	-0.239873	0.526815	0.801222
Fam35a_j6	0	0.167761	1.79769e+308	5.33E-05	0.0012613
Ldb3_j3	0.200554	0.511265	0	1	1
Opn4_j3	0	0.198672	1.79769e+308	0.029381	0.183133
Gcap14_j4	3.96599	3.93629	0	1	1
Sh2d4b_j3	0.378727	0.350071	0	1	1
Sh2d4b_j4	0.270158	0.148733	0	1	1
Tspan14_j5	0.467247	0.244362	0	1	1
Txndc16_j8	0.860024	1.1532	0.423194	0.11518	0.422095
Gnpnat1_j4	0.324259	0.437995	0.43377	0.204468	0.548611
Gnpnat1_j5	0.610737	1.58911	1.3796	1.73E-09	1.40E-07
Fermt2_j3	5.09239	5.0313	0	1	1
Ddhd1_j3	0	0.0536731	1.79769e+308	0.0214416	1
Ddhd1_j11	2.98481	3.46842	0.216641	0.0695432	0.316258
XLOC_009988	0.0716792	0.123921	0.789791	0.42723	1
XLOC_009988	0	0.108253	1.79769e+308	0.0405486	1
Cnih_j2	78.2461	68.5006	-0.191901	0.0472549	0.249533
Gch1_j1	0	0.0968967	1.79769e+308	0.0464673	1
Wdhd1_j5	0	0.202021	1.79769e+308	0.0130153	0.104227
Atg14_j3	1.01403	1.36866	0	1	1
Exoc5_j1	8.90133	8.58637	-0.0519718	0.707171	0.893202
Exoc5_j2	0.47914	0.875383	0.869465	2.21E-05	0.0006002
Exoc5_j3	0	0.0542124	1.79769e+308	0.0040661	1
Slc35f4	2.16841	1.75867	-0.302151	0.216752	0.562923
3632451O06Rik_j4	44.1382	60.3087	0	1	1

Tep1_j3	1.21697	1.71681	0.496436	0.187059	0.528052
Ndr2_j8	0	0.368923	0	1	1
Ndr2_j9	0.224455	0.498607	0	1	1
Zfp219_j4	10.3842	10.4981	0.0157508	0.893828	0.966325
Chd8_j6	1.59519	2.03567	0.35177	0.0247118	0.162971
Chd8_j7	2.12115	1.875	-0.177961	0.163245	0.498589
Slc7a7_j2	28.957	35.0521	0.275588	0.0146778	0.113118
Prmt5_j2	0.48815	0.879644	0	1	1
Cdh24_j4	0.247534	0.219511	-0.173334	0.751292	0.913895
Cdh24_j7	0.12263	0.146892	0.260452	0.7411	1
Acin1_j2	0	0.235242	0	1	1
Acin1_j3	0.739633	0.737068	0	1	1
Slc7a8_j1	3.98467	5.68821	0	1	1
Slc22a17_j9	8.26207	5.8009	0	1	1
Slc22a17_j4	39.0217	32.3842	0	1	1
Ap1g2_j1	0.185459	0.131354	0	1	1
Nedd8_j3	0	6.38993	0	1	1
Rabggta_j2	1.00384	1.58013	0.654511	0.0274715	0.175332
Adcy4	0.25616	0.40552	0.662727	0.0714551	0.321458
Pspc1_j3	6.74701	6.73996	0	1	1
Zmym5_j3	0.226821	0.352847	0	1	1
Xpo4_j4	0.157999	0.216976	0.457621	0.460666	0.762129
Xpo4_j5	0.0239678	0.12719	2.40782	0.0421662	1
Lats2_j3	4.67594	5.24239	0	1	1
Zdhhc20	0.192285	0.340733	0	1	1
Setdb2_j3	0.0375971	0.0483547	0.363035	0.752836	1
Setdb2_j2	0	0.310708	1.79769e+308	1.34E-05	0.0003977
Atp8a2_j5	0	1.20483	0	1	1
Kpna3_j1	0.104328	0	0	1	1
6330409N04Rik_j2	13.4391	13.159	-0.030388	0.849543	0.952228
Neil2_j4	1.52776	1.28068	-0.254503	0.505231	0.788165
Neil2_j5	0	0.111865	1.79769e+308	0.128205	1
Msra_j5	0	0.52651	0	1	1
Hmbox1_j3	15.2309	18.2397	0	1	1
Hmbox1_j5	1.71612	0.652167	0	1	1
Extl3_j3	0.694896	0.470574	0	1	1
Extl3_j4	0.09816	0.0502971	0	1	1
Extl3_j5	0.160848	0.589578	0	1	1
Pnoc_j1	0	0.0641523	1.79769e+308	0.112568	1
Ptk2b_j3	1.78756	3.35051	0	1	1
Dpysl2_j4	23.8404	22.6599	-0.0732671	0.433551	0.744887
Nefm_j5	1.11611	0.515976	-1.11311	0.0104555	0.0883454
Slc25a37_j2	0.688904	0.48092	0	1	1
R3hcc1_j1	0.132433	0.348522	0	1	1
Rhobtb2_j3	0.733644	0.906757	0	1	1
Sorbs3_j4	2.62915	2.87932	0	1	1
Slc39a14_j2	0	0.122549	0	1	1

Slc39a14_j3	0.276794	0.385413	0	1	1
Fam160b2_j1	2.45489	2.17491	0	1	1
Fam160b2_j2	0.0409414	0.0695373	0	1	1
Fam160b2_j3	0.141154	0.184659	0	1	1
Epb4.9_j5	39.6664	35.5383	0	1	1
Epb4.9_j8	36.9292	31.537	0	1	1
Fndc3a_j6	0	0.667702	0	1	1
Cysltr2_j8	0.490097	0.211985	-1.2091	0.0190455	0.136262
Cysltr2_j6	0.731376	0.496666	-0.558338	0.123187	0.436948
Rb1_j1	3.45799	3.96504	0	1	1
9030625A04Rik_j3	0.170324	0.119047	-0.51675	0.538918	0.80821
Akap11_j5	1.82549	3.78782	0	1	1
Naa16_j3	0	0.0686136 1.79769e+308		0.0254402	1
Wbp4_j2	0.768327	0.578493	-0.40942	0.308036	0.653037
Diap3_j5	0	0.118334 1.79769e+308		0.0993814	1
Diap3_j6	0	0.101334 1.79769e+308		0.108752	1
Pcdh9_j3	0	0.107677 1.79769e+308		0.142847	1
Klf12_j1	1.01109	0.867162	-0.221544	0.218768	0.565038
Klf12_j3	0	0.0648809 1.79769e+308		0.0017526	1
Tbc1d4	0.00245337	0.407428	0	1	1
Mycbp2_j12	6.38095	8.51027	0.415434	0.0364331	0.211083
Mycbp2_j13	0.744699	0.391211	-0.928712	1.57E-05	0.0004558
AK047857_j1	0.976798	0.638726	-0.612865	0.0355867	0.207851
Tgds	0	0.375444 1.79769e+308		0.0012333	0.0168983
Abcc4_j1	0.80537	0.43453	0	1	1
Dzip1_j3	0.197762	0.294719	0	1	1
Dzip1_j2	0.502622	0.43293	0	1	1
Dock9_j1	7.0445	7.70607	0.129499	0.425712	0.740663
Dock9_j2	0.236647	0.107502	-1.13838	0.0975481	0.385892
Dock9_j3	1.17635	1.23679	0.0722793	0.700849	0.890006
Tmtc4_j1	1.04991	2.29452	0	1	1
Tmtc4_j2	0.0379551	0.0558266	0	1	1
Nalcn_j6	0	0.193999 1.79769e+308		2.21E-05	0.0005998
Flnb_j4	1.07346	1.332	0	1	1
Kctd6_j1	0.105146	0.0893499	-0.234852	0.821479	1
Kctd6_j3	0.442927	0.288441	-0.618793	0.252982	0.600981
Kctd6_j4	0.203087	0.366168	0.850408	0.13314	0.454156
Synpr_j2	1.22428	1.27191	0.0550623	0.924179	0.976334
Il3ra_j1	0.0530631	0.0648634	0.289696	0.778289	1
Thrb_j5	1.15E-05	0.0975073	13.0491	0.96529	1
Fam149b_j1	2.20184	2.55789	0.216246	0.179732	0.519398
Sec24c_j11	0.096579	0.0615072	-0.650954	0.275387	1
2310021P13Rik_j3	0	0.0783641	0	1	1
Vdac2_j4	3.10747	2.79187	0	1	1
1700112E06Rik_j7	0.196906	0.177575	-0.149071	0.899792	0.968073
1700112E06Rik_j8	4.18E-05	0.592719	13.7923	0.985576	0.995707
Rps24_j8	1.90908	1.36103	0	1	1

Zmiz1	0.721	1.2911	0.840534	0.0002027	0.0038805
Zmiz1_j4	0.00207404	0.0764645	5.20427	0.113873	1
Anxa11_j1	6.52154	6.28163	-0.0540731	0.753205	0.914692
Duxbl_j1	0.432927	0.531863	0.296932	0.416798	0.733917
Fam116a_j2	0.137367	0.118474	0	1	1
Fam116a_j3	0.44312	0.474943	0	1	1
Il17rd	0.0716294	0.149899	1.06537	0.0999156	1
Arhgef3_j1	1.39553	1.20051	0	1	1
Erc2_j14	0	0.420193	0	1	1
Selk_j3	44.9196	47.9109	0.0930075	0.395426	0.720525
Chdh_j1	0.156573	0.180826	0	1	1
Tkt_j4	0	0.22516	0	1	1
Tmem110_j3	0.158476	0.241481	0.607646	0.301233	0.647609
Nek4_j2	1.10136	1.0481	-0.0715093	0.835259	0.946964
Pbrm1_j1	0.686271	0.742375	0	1	1
Bap1_j2	5.12995	6.30163	0.296781	0.0635588	0.298867
Galnt12_j3	0.456897	0.538616	0.237388	0.374842	0.707307
Parg_j1	0.760663	0.597277	0	1	1
Ogdhl_j3	1.56085	1.12236	0	1	1
Erc6_j8	5.22E-05	0.137109	11.3603	0.837012	1
Prrxl1_j2	4.32267	3.37037	0	1	1
XLOC_009619	0.0415444	0.0598273	0.526152	0.75834	1
Gdf10	0.0965923	0.112894	0.224994	0.760359	1
Syt15_j3	0.0695113	0.0249225	-1.4798	0.255033	1
Syt15_j6	0	0.23257	1.79769e+308	0.0008391	0.0124502
Wapal_j2	4.78998	4.54387	0	1	1
XLOC_009634	0.114367	0.443395	1.95493	0.0699953	0.317567
XLOC_009649	0.0836469	0.149218	0.835035	0.132434	1
Samd4_j1	0.00917808	0.266987	4.86243	0.350381	0.687791
Samd4_j4	0	0.0550759	1.79769e+308	0.112262	1
Ktn1_j2	0.0588604	1.94123	0	1	1
Ktn1_j8	2.26936	4.43517	0	1	1
Parp2_j1	0.753392	0.88903	0.238832	0.479105	0.773493
Mett11d1_j5	0.620289	0.534541	-0.214639	0.721949	0.900833
Mett11d1	0.91653	1.30401	0.508695	0.172786	0.510409
G630016D24Rik_j1	0.138282	0.111302	-0.313133	0.644036	0.862786
Tox4_j1	6.72655	6.26829	-0.101795	0.354861	0.690914
Mrpl52_j1	12.6946	16.5073	0.378883	0.163991	0.499725
Lrp10_j3	11.412	13.69	0	1	1
Pabpn1	0.33979	0.517612	0.607229	0.0328912	0.197493
Pabpn1_j4	36.9582	42.3434	0.196241	0.0476874	0.250838
Pabpn1_j7	0	0.319047	1.79769e+308	0.0051112	0.0515663
Lrrc16b_j5	0.298181	0.351782	0	1	1
Lrrc16b_j7	4.08272	3.89193	0	1	1
Lrrc16b_j6	3.24815	3.34008	0	1	1
Cpne6_j1	0	0.129475	1.79769e+308	0.0185392	1
Rnf31_j6	0.882914	1.47992	0	1	1

Rec8_j4	0	0.0562523	1.79769e+308	0.18424	1
Nfatc4_j6	0.0212577	0.0751733	1.82223	0.40664	1
Mphosph8_j1	7.11462	5.54453	0	1	1
XLOC_009723	0.0630702	0.155601	1.30282	0.0398294	1
Mrp63_j1	20.1307	20.0036	-0.00913327	0.957971	0.987996
Fgf9_j1	0.683308	0.679163	0	1	1
Fgf9_j2	0.737767	0.946578	0	1	1
Fgf9_j4	1.84826	1.57762	0	1	1
Rcctb1_j1	0	0.493884	0	1	1
Spata13_j1	1.91665	2.78939	0	1	1
C1qtnf9_j1	0.146412	0.300737	1.03847	0.0391095	0.220626
Mipep_j1	4.21746	3.41079	-0.306267	0.116729	0.424896
Sacs	0.918919	0.40071	-1.19738	2.15E-08	1.40E-06
XLOC_009743	0.0922488	0.303728	1.71918	0.086564	0.359624
Rnaseh2b_j3	0	0.178643	1.79769e+308	0.0540178	0.270834
Wdfy2_j2	0.000253522	0.463279	0	1	1
Wdfy2_j6	1.61811	1.76079	0	1	1
Ctsb_j4	563.69	700.993	0	1	1
AK044422_j2	21.2387	19.8179	-0.0998923	0.290909	0.638208
Kif13b_j6	0.137204	0.304858	0	1	1
XLOC_009765	0.0600059	0.0925655	0.625369	0.543557	1
Clu_j1	0.162148	1.2912	2.99332	9.31E-06	0.0002919
Trim35_j1	29.5508	36.5652	0	1	1
XLOC_009767	0.160136	0.169028	0	1	1
Kctd9_j3	2.59729	2.66173	0.0353603	0.864969	0.957021
Lgi3_j3	53.7427	28.9622	-0.891898	0	0
XLOC_009792	0	0.0738919	1.79769e+308	0.135672	1
Gfra2_j3	19.0412	17.3371	0	1	1
Rcctb2_j3	1.29895	0.823917	0	1	1
Rcctb2_j4	1.50289	2.30608	0	1	1
XLOC_009799	0.0837603	0.155164	0.889457	0.437451	1
XLOC_009802	0	0.119572	1.79769e+308	0.0301917	1
Zc3h13_j5	0.000240366	1.23328	0	1	1
Ccdc122	1.70546	1.01039	0	1	1
Ccdc122	2.22187	1.49827	0	1	1
Enox1_j7	0.362757	0.191412	0	1	1
Enox1_j5	0.350438	0.308133	0	1	1
Enox1_j6	0.397542	0.344424	0	1	1
1300010F03Rik_j2	4.59586	5.39852	0.23223	0.173163	0.510747
Elf1_j2	0.0626839	1.48148	0	1	1
6720463M24Rik_j2	0.202737	0.194155	-0.0624041	0.938069	0.981032
6720463M24Rik_j4	0.234502	0.241831	0.0444003	0.897324	0.967349
Lmo7_j6	0.553631	1.27712	1.2059	3.03E-07	1.44E-05
XLOC_009838	0.335797	0.192568	-0.80222	0.230846	0.577874
Slain1_j1	0.90782	0.815522	-0.154682	0.614878	0.847925
D130009I18Rik_j1	1.1347	0.688382	-0.721029	0.0039163	0.0422576
D130009I18Rik_j2	0.861132	0.817155	-0.0756243	0.889927	0.965032

D130009I18Rik_j3	1.94302	1.62366	-0.259049	0.166265	0.502849
Ndfip2_j3	30.6665	21.6918	0	1	1
Gpc5_j4	0.152516	0.383	1.32838	0.0566016	0.278347
AK147121_j4	0.0687362	0.131008	0.930513	0.398134	1
AK147121_j5	0.0584415	0.149587	1.35592	0.211449	1
AK147121_j6	0.3182	0.136615	-1.21981	0.148332	0.477277
Mbnl2_j1	0	0.139438 1.79769e+308		0.0320051	1
Mbnl2	7.42044	5.05522	-0.553732	0.0014415	0.0191239
XLOC_009865	0.331039	0.303057	-0.127411	0.666162	0.873522
XLOC_009865	0.137102	0.167488	0.288801	0.599733	0.841292
AK136126_j2	0.0669629	0.0904532	0.43381	0.779681	1
AK136126_j1	0	0.490839 1.79769e+308		0.0024903	0.0297493
AK136126_j3	0	0.267171 1.79769e+308		0.0073003	0.0680375
AK041589_j3	0	0.136378 1.79769e+308		0.0208438	1
Dnase1l3_j3	1.44883	1.95325	0.43099	0.039374	0.221682
Fam107a_j1	0.131497	0.140958	0.100232	0.892338	1
Fhit_j6	0.395603	0.317858	-0.31567	0.769498	0.921491
Cadps_j12	1.03441	0.922672	0	1	1
Thoc7_j4	0.671825	3.29309	0	1	1
Lrrc3b_j3	0.371345	1.30781	0	1	1
Nr1d2_j1	1.02616	0.926884	0	1	1
Nr1d2_j2	0	0.0696686	0	1	1
2700060E02Rik_j4	5.40062	5.36793	-0.00875962	0.949282	0.985343
Kcnk5_j1	0.148768	0.756119	2.34555	5.98E-06	0.000198
Ttc18_j2	0.0226784	0.0467634	1.04406	0.556287	1
Zmynd17_j4	0.0477151	0.139157	1.5442	0.141017	1
Ndst2_j5	0.286921	0.751841	0	1	1
Camk2g_j7	31.1611	50.5704	0	1	1
Camk2g_j9	0.815056	2.14282	0	1	1
Ap3m1_j1	1.04869	0.877304	-0.257435	0.210853	0.555568
Dlg5_j1	3.17867	3.57637	0	1	1
Slmap_j8	0.231815	1.62743	0	1	1
Ccdc66_j3	1.03201	1.17007	0.181144	0.383239	0.71289
Il17rb_j1	0.0868552	0.124914	0.524247	0.265791	1
Cacna1d_j4	0	0.131625	0	1	1
Prkcd_j3	10.1545	8.70288	0	1	1
Itih3	0.207654	0.153088	-0.43982	0.446748	0.75351
Stab1_j7	0.275435	0.689071	1.32294	0.0002199	0.0041468
Nisch_j3	47.9151	58.9524	0	1	1
Phf7_j1	0.0334033	0.172585	2.36924	0.0705105	0.319172
Dnahc1_j2	0.0945553	0.108061	0.19262	0.870828	1
Mettl6	3.05376	3.11228	0.0273826	0.853229	0.953469
Ankrd28_j6	1.57652	2.33935	0	1	1
Ankrd28_j7	0	0.208014	0	1	1
Timm23_j2	12.0146	15.0634	0	1	1
Wdfy4_j2	0	0.0683588 1.79769e+308		0.047539	1
AK041587_j1	0.0853248	0.275481	1.69092	0.116099	0.42406

Ldb3	0.533892	0.425729	0	1	1
Sh2d4b_j1	0.462363	0.704049	0	1	1
Sh2d4b_j2	0.369464	0.101989	0	1	1
Tspan14_j4	4.78179	8.07886	0	1	1
Ero1l_j4	4.87771	4.46554	0	1	1
Gnpnat1_j2	0.790437	0.586823	-0.429725	0.135106	0.457301
Cnih_j4	7.77615	21.5794	1.47252	0	0
Gmfb_j1	23.0839	20.7514	0	1	1
Wdhd1_j8	0	0.338052	1.79769e+308	0.000162	0.0032202
XLOC_009996	0.0383066	0.204269	2.41481	0.0070815	0.0664784
Exoc5_j5	0.151509	0.369656	1.28678	0.0148286	0.113954
Slc35f4_j2	0	0.243376	1.79769e+308	0.0099675	0.08545
3632451O06Rik_j3	3.60857	3.97499	0	1	1
Osgep_j4	40.4615	36.4882	-0.149119	0.133798	0.455174
Ndr2_j5	0	3.20989	0	1	1
Ndr2_j11	13.0161	12.733	0	1	1
Ndr2_j10	9.38651	14.2331	0	1	1
Hnrnpc_j2	0.141758	0.441762	0	1	1
Chd8_j10	3.52489	4.44767	0.335474	0.0986056	0.388153
Chd8_j11	1.78308	1.57866	-0.175667	0.266709	0.615721
4931414P19Rik_j1	0.225911	0.419326	0.892315	0.196764	0.539538
Cdh24_j6	0.158922	0.261665	0.719401	0.210655	0.555287
Acin1_j1	3.41171	3.50284	0	1	1
Slc22a17_j7	35.4483	35.0107	0	1	1
Slc22a17_j8	0.110222	0.411009	0	1	1
Zfhx2_j5	2.26798	2.08081	0	1	1
Ap1g2_j4	0.680224	0.586484	0	1	1
Ap1g2_j6	13.7893	14.8368	0	1	1
Dhrs1_j4	63.6672	88.7381	0	1	1
Adcy4_j2	0.0751258	0.300588	2.00041	0.0182168	0.132057
Adcy4_j7	1.74E-05	0.118074	12.7306	0.978517	1
Ripk3	0.134988	0.232158	0.782273	0.170732	0.507662
Sdr39u1_j3	0.390072	0.683057	0	1	1
Pspc1_j1	0.505776	0.51223	0	1	1
Zmym5_j4	0	0.184991	0	1	1
Lats2_j2	0.457258	0.300469	0	1	1
Setdb2_j1	0.116217	0.173696	0.579749	0.344154	0.683976
D14Ertd668e	0.428416	0.550829	0.362593	0.307758	0.652771
Cdad1_j1	1.30153	1.37363	0	1	1
Atp8a2_j6	0	0.158303	0	1	1
Atp8a2	7.58692	11.6588	0	1	1
Tnfrsf19_j2	0	0.0530017	1.79769e+308	0.0371147	1
Ints6_j6	0.985068	0.897257	0	1	1
Ints6_j8	0.42051	0.725779	0	1	1
Fdft1_j1	0.416475	0.566105	0	1	1
Msra_j3	0.100923	0.289062	0	1	1
Elp3	2.31478	3.52328	0	1	1

Dock5_j1	2.14313	1.5608	0	1	1
Slc25a37_j1	1.00048	1.19094	0	1	1
Rhobtb2_j4	0.45046	0.307159	0	1	1
2610301G19Rik_j3	0.0271895	0.0484012	0.831995	0.478412	1
2610301G19Rik_j8	0.128936	0.182844	0.50395	0.453598	0.758086
Pdlim2_j5	0.724754	0.591201	-0.293843	0.610038	0.846292
Slc39a14_j5	0	0.415925	0	1	1
mKIAA4159	3.52526	5.80631	0	1	1
Fam160b2_j9	0	0.183828	0	1	1
Epb4.9_j3	13.9933	22.2031	0	1	1
Epb4.9_j7	0.576651	0.329676	0	1	1
Epb4.9_j12	29.1098	31.4037	0	1	1
Epb4.9_j13	0	0.0765426	0	1	1
Xpo7_j3	2.36261	1.65482	0	1	1
Fndc3a	0	0.0488254	0	1	1
Nudt15_j1	0.510105	0.652358	0.35487	0.589268	0.836005
Dnajc15_j1	0.55856	1.06524	0	1	1
Dnajc15_j6	0.190535	0.943992	0	1	1
Akap11_j6	1.34407	3.79852	0	1	1
Dgkh_j4	16.686	15.557	0	1	1
Lect1_j3	0.0808012	0.063953	0	1	1
XLOC_010149	0.0692912	0.156721	1.17745	0.285973	1
Klhl1	0.0445735	0.243252	2.44819	0.0007823	0.0117614
Klf12_j5	0	0.0968451	1.79769e+308	0.0001802	1
Kctd12	2.21781	2.92665	0.400112	0.0039003	0.0421503
Mycbp2_j9	1.70266	2.07314	0.284028	0.358439	0.693853
Mycbp2_j10	0.195721	0.155873	-0.32843	0.311386	0.656124
Rbm26_j4	0.564861	0.845611	0	1	1
Spry2_j2	2.09801	1.64219	-0.353405	0.219926	0.566665
Abcc4_j2	0.0138067	0.414966	0	1	1
Dzip1_j10	1.65654	2.22677	0	1	1
Dzip1_j13	0.224229	0.149287	0	1	1
Dock9_j8	1.16522	1.29588	0.153324	0.532454	0.804257
Dock9_j9	0.37368	0.625022	0.742103	0.0283206	0.178761
Dock9_j10	0.542744	0.406187	-0.41813	0.147466	0.476139
A330035P11Rik_j1	0.183647	0.174032	0	1	1
Nalcn_j2	4.85738	4.49179	-0.112887	0.551162	0.815748
Flnb_j3	0.0836044	0.106387	0	1	1
Abhd6	8.66582	7.92991	-0.128031	0.332358	0.67369
Rpp14_j1	14.0966	12.631	-0.158388	0.174303	0.512311
Pxk_j2	10.2552	10.1587	-0.0136434	0.930276	0.978636
3830406C13Rik_j9	0.19888	0.175996	-0.176357	0.813386	0.939062
Synpr_j3	0	0.279764	1.79769e+308	0.0444046	0.240368
Synpr_j4	0.905818	0.914237	0.0133476	0.969168	0.991369
Synpr_j5	13.0991	14.6897	0.16534	0.22597	0.573193
Slc4a7_j5	0.498586	0.642248	0	1	1
Ngly1_j1	7.88775	8.36911	0.0854601	0.585682	0.834044

Top2b	1.67187	0.980195	0	1	1
Top2b_j2	0	0.807097	0	1	1
Thrb_j4	0	0.0802676	1.79769e+308	0.0494324	1
2310021P13Rik_j1	0.0409289	0.0850618	0	1	1
Myst4_j6	0.0869164	0.0721786	0	1	1
Myst4_j8	0.040427	0.214717	0	1	1
Myst4_j10	0.0863495	0.14652	0	1	1
Vdac2_j1	0.351171	0.22151	0	1	1
1700112E06Rik_j2	0.46738	0.363458	-0.362809	0.771741	0.922465
1700112E06Rik_j6	0.0416898	0.086073	1.04587	0.562763	1
Rps24_j1	1.8208	1.9397	0	1	1
XLOC_009578	0.110737	0.125725	0.183145	0.806488	1
Anxa11_j2	6.73038	5.45007	-0.304413	0.170166	0.507195
Arhgef3_j3	0.417597	0.180212	0	1	1
D14Abb1e_j2	0.0160944	0.154958	3.26725	2.67E-06	1
D14Abb1e_j3	0.139828	0.130355	-0.101209	0.800353	0.933449
D14Abb1e_j8	0.143162	0.217468	0.60315	0.182686	0.523127
Erc2_j6	0.0110283	1.27364	0	1	1
Erc2_j9	0	0.179066	0	1	1
Wnt5a_j3	0.225878	0.271213	0	1	1
Dcp1a_j4	0.359292	0.495396	0	1	1
Tkt_j7	59.4754	79.5862	0	1	1
Rft1_j1	1.11149	1.46943	0.402763	0.20008	0.543279
Capn7_j1	1.96535	2.1309	0	1	1
Btd_j2	4.86813	4.70585	0	1	1
Arhgap22_j7	0	0.463363	0	1	1
Syt15_j2	0.120137	0.110527	-0.120282	0.889738	1
Mmrn2_j1	0.422777	0.437262	0.0486001	0.896949	0.967171
Grid1_j3	0	0.154218	1.79769e+308	0.0142137	1
XLOC_009634	8.54E-06	0.0988809	13.4999	0.991252	1
XLOC_009634	0	0.807277	1.79769e+308	0.0123319	0.100153
XLOC_009634	0.0511551	0.0549464	0.103147	0.935098	1
Ear2	0.109562	0.187485	0.775023	0.417277	0.734352
Psmc6_j1	20.0804	27.9217	0.475598	0.0032205	0.0364935
Samd4_j3	0.0613347	0.0685688	0.160848	0.887114	1
Fbxo34_j5	8.5866	8.37468	-0.0360522	0.766854	0.920508
6720456H20Rik_j3	1.03162	1.53214	0	1	1
Parp2_j2	0.797079	0.616321	-0.371042	0.538253	0.807862
Pnp_j1	0.677515	0.615862	-0.137645	0.599113	0.841178
Rnase4	0.267745	0.222793	0	1	1
Arhgef40_j4	1.28123	1.70023	0	1	1
Gm17002_j1	0.334208	0.36668	0.133778	0.816372	0.940246
XLOC_009686	2.49892	3.08433	0.303653	0.0540727	0.271004
Oxa1l_j2	0.73231	0.699894	-0.0653186	0.696278	0.888054
Lrp10_j1	27.17	27.4049	0	1	1
Pabpn1_j2	3.43031	3.79	0.143859	0.347363	0.686002
Cmtm5_j1	6.2034	6.24649	0.00998548	0.946037	0.983895

Ngdn_j1	0	0.343904	1.79769e+308	0.0088438	0.0782138
Lrrc16b_j8	3.0126	3.85884		0	1
Cpne6_j2	0.155114	0.774501		2.31994	0.0001049
Psme1_j1	11.0722	12.9583		0.226931	0.162514
Psme1_j2	2.82679	2.34819		-0.267614	0.381923
Rec8_j1	0.0532821	0.0458143		-0.217854	0.875066
Nfatc4_j2	0.0884854	0.04002		-1.14472	0.377655
Nfatc4_j5	0.0803401	0.116223		0.532699	0.629645
Ift88_j2	5.22222	5.80852		0.153507	0.489764
Fgf9_j5	0	0.397385		0	1
Cab39l_j3	0.242329	0.132355		0	1
XLOC_009743	0	0.149906	1.79769e+308	0.050712	1
Rnaseh2b_j1	0.689036	0.773966		0.167691	0.791884
Ctsb_j1	2.28237	1.76203		0	1
Pinx1_j2	0.000342753	1.00343		11.5155	0.865913
Zfp395_j4	0.000163212	0.448708		11.4248	0.697362
Pbk	0.284726	0.451733		0.665895	0.110201
Ccdc25_j1	5.3127	4.89078		-0.119382	0.230059
Entpd4_j2	3.48383	4.21932		0.276336	0.0549861
AK133329_j1	0.019098	0.15194		2.99201	0.191995
Phyhip_j2	0.240826	0.293675		0.286228	0.598511
Gfra2_j1	0	0.0603088		0	1
Rcctb2_j2	1.14716	0.539157		0	1
Zc3h13_j1	0.0654683	0.0535504		0	1
Tsc22d1_j3	0.348401	0.422633		0.278653	0.539451
Enox1_j1	0.169201	0.0725075		0	1
1300010F03Rik_j1	1.30961	0.898967		-0.542798	0.0569058
Sugt1_j1	0.107766	0.101636		-0.0845005	0.877955
Olfm4_j1	0.030252	0.243371		3.00805	0.0026837
XLOC_009826	0	1.52351	1.79769e+308	0.0147247	0.113385
Klf5_j2	0	0.0818058	1.79769e+308	0.0731282	1
Uchl3_j6	0.152733	0.8188		2.4225	0.0477384
Lmo7_j7	0.0383863	0.128261		1.74042	0.0465248
Lmo7_j8	0.0948437	0.385809		2.02426	0.0001891
Lmo7_j13	0.420139	3.9087		3.21775	7.02E-10
Scel_j7	0	0.0662585	1.79769e+308	0.0896207	1
FJ744746_j2	0.0222272	0.210509		3.24348	0.316148
XLOC_009851	0.219599	0.0985207		0	1
Dnajc3_j1	10.1316	9.44744		-0.100863	0.346576
AK147121_j3	0	0.186109	1.79769e+308	0.0138003	0.108424
Hs6st3_j1	0.643294	0.571089		-0.171763	0.544307
Ipo5_j2	0.095049	0.225687		1.24758	0.0587565
Tm9sf2_j2	23.3937	21.1512		0	1
Tm9sf2_j4	0.0863746	0.203997		0	1
Zic2_j1	0.243884	0.0434001		-2.49043	0.0310967
AK136126_j5	0.0239561	0.100841		2.07362	0.420398
Iitgbl1_j2	0	0.0660905	1.79769e+308	0.0190887	1

Itgbl1_j1	0.271725	0.579769	1.09333	0.0001624	0.0032251
Fhit_j5	2.41433	2.54345	0.0751633	0.834313	0.946759
Cadps_j5	7.05576	8.49008	0	1	1
Cadps_j6	39.4591	31.3324	0	1	1
Thoc7_j5	4.60194	4.43583	0	1	1
Rpl15_j1	11.9942	16.6986	0.477387	3.51E-06	0.0001242
Kcnk16_j3	0.676567	1.80143	0	1	1
Mrps16_j2	14.267	17.3548	0.28266	0.15971	0.49416
Ttc18_j5	0.0744285	0.182652	1.29517	0.308345	0.653275
Anxa7_j1	70.1809	70.0839	0	1	1
Ppp3cb	7.77329	8.79328	0	1	1
Usp54_j2	0.735962	0.709474	0	1	1
Usp54_j1	0.706634	0.673925	0	1	1
Ndst2_j3	0	0.0695312	0	1	1
Ndst2_j7	0.410848	0.446676	0	1	1
Camk2g_j3	0.801005	0.574379	0	1	1
Camk2g_j4	11.5992	10.8741	0	1	1
Camk2g_j5	7.78993	7.54899	0	1	1
Ap3m1_j2	9.51772	9.51877	0.000159519	0.998824	0.99946
Ap3m1_j3	0.151346	0.165647	0.130256	0.871255	0.959097
Ap3m1_j7	0.892152	0.384048	-1.216	0.0526251	0.266469
Comtd1_j1	1.81668	2.01786	0	1	1
Zfp503_j2	5.45455	4.25451	-0.358466	0.0051419	0.0517901
Kcnma1_j5	0.0224644	0.144557	0	1	1
Dlg5_j3	3.11332	3.87428	0	1	1
Dlg5_j4	0	0.157284	0	1	1
Zcchc24_j2	4.57017	4.65497	0	1	1
Zcchc24_j3	0.000117369	0.512304	0	1	1
Slmap_j6	1.00065	0.811721	0	1	1
Cacna2d3_j5	11.5512	15.649	0	1	1
Cacna2d3_j6	3.39203	5.69799	0	1	1
Itih3_j2	0.0812268	0.0828217	0.0280521	0.980035	1
Gnl3_j1	4.08564	5.01887	0	1	1
Phf7_j3	0.0729064	0.189147	1.37539	0.158306	0.492505
Hacl1_j3	0.654839	1.2559	0	1	1
Wdfy4_j1	0	0.0916307	1.79769e+308	0.0066568	1
XLOC_009960	0.0419999	0.20969	2.3198	0.121891	0.434788
Bmpr1a_j2	0	0.317301	0	1	1
Gcap14_j5	15.2372	19.1719	0	1	1
Nrg3_j9	0.090022	0.221928	1.30174	0.174856	0.513194
Sh2d4b_j5	0.0788362	0.0984806	0	1	1
Txndc16_j7	0.104511	0	-1.79769e+308	0.0001884	1
Ero1_j3	2.91104	2.94407	0	1	1
Fermt2_j2	19.4293	18.3305	0	1	1
Ddhd1_j4	0.217651	0.199374	-0.126537	0.821583	0.942464
XLOC_009988	0.0149674	0.0896836	2.58302	0.197225	1
Gmfb_j4	10.8576	16.35	0	1	1

Atg14_j2	0	0.147346	0	1	1
3632451O06Rik_j2	0.326166	0.582394	0	1	1
Ttc5_j6	0.205709	0.296718	0.528492	0.572487	0.827134
Tep1_j1	5.10841	6.1144	0.259338	0.120676	0.43269
Ndrj2_j4	0	0.723864	0	1	1
Hnrnpc_j1	9.93027	8.26394	0	1	1
Chd8_j3	0	0.790136	1.79769e+308	3.90E-13	5.96E-11
Rab2b_j1	13.4432	13.5677	0.013299	0.900427	0.968327
Prmt5_j4	2.54305	3.50748	0	1	1
Haus4_j3	1.06934	1.03619	-0.0454257	0.901879	0.968734
Cdh24_j1	0	0.0520217	1.79769e+308	0.066804	1
Cdh24_j5	0.0491822	0.130551	1.40841	0.193767	1
Cebpe_j2	0	0.0909811	1.79769e+308	0.083743	1
Zfhx2_j2	3.83429	4.3309	0	1	1
Ap1g2_j3	0.136148	0.0945139	0	1	1
Ipo4_j5	0.330911	0.271258	0	1	1
Nedd8_j1	114.761	110.799	0	1	1
Rabggta_j1	0.780467	0.775441	-0.00932193	0.979717	0.994006
Dhrs1_j2	0	0.49565	0	1	1
Adcy4_j1	0.0558273	0.0568967	0.0273753	0.982005	1
Zmym5_j6	0	0.472932	0	1	1
Zmym5_j7	1.15736	1.18487	0	1	1
Zmym5_j8	0	0.804885	0	1	1
Xpo4_j2	0.238033	0.364171	0.613457	0.26895	0.61796
Xpo4_j8	0	0.065313	1.79769e+308	0.113046	1
Zdhhc20_j3	0.823212	0.51557	0	1	1
Gm4902_j2	0.719192	1.20602	0.745808	0.0267452	0.172139
Setdb2_j6	0.530609	0.326413	-0.700949	0.0635555	0.298867
Atp8a2_j7	0	0.924073	0	1	1
Ints6_j1	0.134567	0.266701	0	1	1
Ints6_j2	0.103988	0.0748672	0	1	1
XLOC_010078	0.16684	0.185522	0.153128	0.837033	0.947826
Mtmr9_j1	31.6871	34.0432	0.103474	0.234123	0.581507
Msra_j4	0.720623	0.928827	0	1	1
Extl3_j9	10.5175	11.4674	0	1	1
Extl3_j8	3.24419	2.47397	0	1	1
Fzd3_j2	4.10E-05	0.689876	14.0395	0.738724	0.908177
Esco2_j1	0.128141	0.167664	0.387836	0.622358	0.852322
Ppp2r2d_j2	6.33219	8.84171	0.48162	0.0156354	0.118265
Dock5_j3	1.79949	2.22556	0	1	1
XLOC_010100	0.068707	0.104407	0.603696	0.585478	1
Nefm_j2	241.455	178.853	-0.432982	9.01E-07	3.79E-05
Slc25a37_j3	0.880752	1.62151	0	1	1
2610301G19Rik	10.8945	10.3586	-0.0727762	0.496098	0.783139
Pdlim2_j4	0.34104	0.460289	0.432598	0.472163	0.769302
Slc39a14_j6	0.368477	0.176342	0	1	1
Piwil2_j1	0.0957197	0.0740667	-0.369992	0.702924	1

Fam160b2_j7	0.32786	0.109728	0	1	1
Epb4.9_j2	8.36746	9.6456	0	1	1
Npm2_j1	0.0950126	0.16967	0.836537	0.270314	0.619522
Xpo7_j2	6.34501	6.97787	0	1	1
Fndc3a_j2	0	0.14239	0	1	1
Fndc3a_j3	0	0.269158	0	1	1
Cysltr2_j4	0.000804839	0.23273	8.17574	0.248919	0.596414
Cog3_j5	1.62522	2.75407	0	1	1
Gtf2f2_j1	0	0.789787	1.79769e+308	0.0007161	0.010925
Serp2_j1	3.74548	4.9548	0.403676	0.291539	0.638573
Serp2_j2	5.16269	7.36563	0.512686	0.127796	0.445418
Serp2_j3	7.68911	6.90183	-0.155837	0.526984	0.801327
Serp2_j4	1.21558	1.3853	0.188555	0.412964	0.731915
Akap11_j4	17.4923	18.9199	0	1	1
Dgkh_j5	4.55977	5.74406	0	1	1
Naa16_j6	0.481439	0.651434	0.436267	0.217705	0.563773
Klf12_j8	0.169742	0.196006	0.207553	0.835016	0.946943
Tbc1d4_j8	2.42776	1.73079	0	1	1
Mycbp2_j5	26.8643	26.6671	-0.0106323	0.923398	0.97612
Mycbp2_j6	0.357721	0.279963	-0.353598	0.163519	0.498849
Mycbp2_j7	0.111234	0.0450993	-1.30243	0.0114497	1
Rbm26_j5	1.36243	1.09139	0	1	1
Rbm26	1.85702	1.75012	0	1	1
Spry2_j1	0	0.672819	1.79769e+308	3.33E-05	0.0008476
Abcc4_j3	1.21994	1.43651	0	1	1
Abcc4_j4	0.558581	0.299788	0	1	1
Dzip1_j6	0.119299	0.26396	0	1	1
Dzip1_j7	0.000256095	0.10632	0	1	1
Dzip1_j8	0.244404	0.0889372	0	1	1
Uggt2_j5	0.435955	0.307681	-0.502743	0.1801	0.519782
Uggt2_j6	0.75358	0.875748	0.216755	0.3678	0.701102
XLOC_010184	0.206632	0.129877	-0.669913	0.565133	0.823689
Dock9_j4	0.800264	0.724754	-0.142984	0.751839	0.914176
Dock9_j5	0.4763	0.568331	0.254861	0.487865	0.778453
Dock9_j6	1.24774	1.21571	-0.0375201	0.840472	0.949579
A330035P11Rik	0.244493	0.150052	0	1	1
Nalcn_j7	0.146057	0.704907	2.2709	1.42E-09	1.16E-07
Sepp1	24.2246	23.8942	-0.019812	0.825921	0.943863
Oxct1	47.588	48.8817	0	1	1
Plcx3	0.000122318	1.03153	0	1	1
Rpl37_j2	4.64803	7.16194	0	1	1
Prkaa1	24.1642	20.22	-0.257085	0.0047793	0.0490603
Ttc33	3.24301	2.7497	0	1	1
Ttc33	7.68576	8.26958	0	1	1
Ttc33	0.433466	0.000267055	0	1	1
Dab2	1.35712	1.9405	0	1	1
Rictor	1.65986	1.32566	-0.324346	0.0382956	0.217673

Rictor_j5	5.10812	5.51636	0.110924	0.376749	0.708706
Lifr	15.1991	14.4754	0	1	1
Lifr	1.80149	1.616	0	1	1
XLOC_010943	0.171874	0.18867	0	1	1
XLOC_010944	0.15921	0.101079	-0.655448	0.461863	0.763021
Nup155	2.67241	1.64545	0	1	1
2410089E03Rik_j2	0.444992	0.367958	-0.274236	0.31281	0.657266
2410089E03Rik_j15	0.716412	0.737268	0.0414014	0.892581	0.966031
XLOC_010947	0.099925	0.119522	0.258358	0.755428	1
1110020G09Rik	0.47601	0.182964	-1.37943	0.0120281	0.0983906
1110020G09Rik	0.172675	0.480505	1.47649	0.0026453	0.0311971
1110020G09Rik_j2	1.97538	1.43791	-0.458154	0.0358654	0.208958
1110020G09Rik_j3	0.0362448	0.351839	3.27907	0.0012821	0.017441
Lmbrd2	4.68767	2.89929	0	1	1
Rad1_j1	0.920444	0.730808	-0.332838	0.577924	0.830091
Rad1	6.45675	6.17962	-0.0632904	0.688139	0.884104
AK047938	0.222567	0.187189	-0.249745	0.576928	0.829228
Amacr	7.84185	7.44849	-0.0742468	0.577834	0.830014
Zfr	27.2159	26.8827	0	1	1
Zfr_j3	0.096135	0.0876969	0	1	1
Mtmr12	1.69073	1.49433	-0.178149	0.270752	0.619965
Mtmr12	0.4	0.422079	0.0775129	0.799658	0.933125
Golph3	25.0826	24.2663	0	1	1
Drosha	13.2439	11.9466	0	1	1
Drosha_j5	2.28011	2.89727	0	1	1
Cdh9_j1	0.816405	0.625122	0	1	1
Cdh10	0.748161	0.224009	-1.73979	2.68E-06	9.83E-05
Cdh12	0.761363	0.204061	-1.89959	2.82E-10	2.61E-08
Cdh12_j1	0.149863	0.314733	1.07048	0.0015433	0.0202104
Cdh12_j2	0.138657	0 -1.79769e+308		2.26E-08	1.46E-06
XLOC_010965	0.245437	0.0910219	-1.43107	0.0339441	0.201735
Cdh18	4.43911	3.40532	-0.382479	0.002478	0.0296324
Cdh18_j3	1.15164	1.13692	-0.0185593	0.953308	0.986435
Myo10	2.83949	4.18792	0	1	1
Myo10_j1	0.126727	0.0244932	0	1	1
Myo10_j4	0.436289	2.21644	0	1	1
Fam134b	8.82824	9.05618	0	1	1
Fam134b	6.20758	8.37371	0	1	1
Zfp622	7.50051	7.97208	0.0879675	0.46813	0.766788
March11	0.811563	0.579721	-0.485344	0.253531	0.601622
March11	4.63934	3.38573	-0.454453	0.010143	0.0864174
XLOC_010972	0.164141	0.0462677	-1.82686	0.11007	0.412846
XLOC_010973	0.251732	0.153503	-0.713626	0.0656777	0.305528
Ank	18.1467	14.6395	0	1	1
Ank_j1	19.8983	20.395	0	1	1
XLOC_010975	0.115741	0.014784	-2.96879	0.2359	1
Ctnnd2	3.29775	2.81582	0	1	1

Ctnnd2_j6	0.186867	0.026454	0	1	1
Dap	5.79471	7.70681	0.411398	0.009708	0.083861
Cmb1_j2	2.24549	1.80942	-0.311504	0.409595	0.729874
Cmb1	7.07336	8.57082	0.277039	0.129511	0.448468
Sema5a_j1	0.278657	0.160862	-0.792666	0.0311401	0.190296
Sema5a	1.49984	1.57748	0.072815	0.621007	0.851431
Sdc2	7.17478	6.87166	-0.0622756	0.585774	0.834076
Pgcp	6.19453	5.5194	-0.166483	0.283692	0.632071
XLOC_010984	0.227532	0.265241	0	1	1
Mtdh_j4	3.28397	3.48705	0	1	1
Mtdh_j3	0.879539	0.973101	0	1	1
Mtdh	4.37339	4.29917	0	1	1
Laptm4b	23.9829	20.4918	0	1	1
Laptm4b_j2	23.231	20.0995	0	1	1
Matn2	5.58081	5.18785	0	1	1
Matn2_j2	14.9308	16.6661	0	1	1
Pop1	1.42276	1.24789	-0.189208	0.244533	0.592073
Kcns2	0.284653	0.189236	-0.589013	0.112791	0.418089
Vps13b_j3	2.66108	2.47454	-0.104854	0.345944	0.685212
Spag1_j2	1.69485	1.64982	-0.0388445	0.888439	0.964658
XLOC_010992	0.11757	0 -1.79769e+308		0.0211659	1
XLOC_010993	0.151965	0.0777482	-0.966859	0.222354	0.569453
XLOC_010993	0.101559	0.0422814	-1.26422	0.170484	1
XLOC_010993	0.05582	0.00102938	-5.76093	0.692988	1
XLOC_010995	0.115772	0.00753375	-3.94177	0.270351	1
XLOC_010997	0.0855536	0.0389967	-1.13348	0.492318	1
XLOC_010998	0.0613875	0.132526	1.11026	0.358886	1
XLOC_010998	0.244434	0.181747	-0.427513	0.529372	0.802396
Atp6v1c1	62.8602	57.0757	-0.13927	0.119445	0.430027
Baalc_j1	0.442523	0 -1.79769e+308		3.11E-07	1.47E-05
Fzd6	0.969505	0.46058	-1.0738	0.0001872	0.0036316
Cthrc1	4.35493	4.24685	-0.036257	0.853402	0.953554
Cthrc1_j1	1.13988	0.506204	-1.1711	0.0616663	0.293537
Dcaf13	4.44138	4.18665	0	1	1
Dcaf13_j2	4.35038	4.0785	0	1	1
Rims2_j2	0.309431	0 -1.79769e+308		2.44E-17	6.35E-15
Rims2_j9	0.137561	0.050364	-1.44961	0.0250389	0.164481
Rims2_j15	0.158496	0.173376	0.129459	0.794488	0.931431
XLOC_011007	0.101072	0 -1.79769e+308		0.022508	1
Zfpm2	0.385142	0.489123	0.344808	0.238457	0.585379
Zfpm2_j2	0.431778	0.183694	-1.23298	0.0029229	0.0337515
Oxr1	8.72103	4.77989	-0.867523	2.58E-12	3.45E-10
Oxr1	0.361601	0.110167	-1.7147	0.0052432	0.0525386
Ttc35	6.00047	5.84053	-0.0389777	0.715433	0.897199
Eny2	2.31417	2.76356	0	1	1
Eny2	7.98235	7.35476	0	1	1
Ebag9	2.77738	2.12981	0	1	1

Ebag9	3.21468	3.33547	0	1	1
A930017M01Rik_j2	0.372793	0.219372	-0.764997	0.0984957	0.388034
XLOC_011019	0.129233	0.111465	-0.213385	0.871385	1
Utp23	1.59954	1.74806	0.128099	0.483551	0.77601
Aard	3.1149	2.14862	-0.535774	0.0049967	0.0507046
Med30	11.1058	10.3703	-0.0988535	0.565158	0.8237
Mal2	23.4626	16.6049	-0.49875	3.25E-06	0.0001167
Mal2_j2	1.45214	0 -1.79769e+308		2.30E-17	6.03E-15
Nov	2.16985	3.99006	0.878816	1.53E-12	2.12E-10
Deptor	1.70222	1.17508	0	1	1
Deptor_j1	1.52437	0.260018	0	1	1
Deptor_j2	4.41239	3.42848	0	1	1
Col14a1_j3	0.427271	5.22E-05	-12.9999	0.842461	0.95025
Col14a1_j1	0.418374	0.164016	-1.35095	0.001491	0.0196476
Zhx2	1.2148	1.04462	0	1	1
Zhx2_j2	1.39471	0.292186	0	1	1
Wdr67	0.399256	0.109982	-1.86005	0.0050796	0.0513219
Wdr67_j7	0.134929	0 -1.79769e+308		0.0013935	1
Wdr67_j13	0.406933	0.324679	-0.325778	0.482179	0.775494
Wdr67_j15	0.485691	0.373859	-0.377544	0.548281	0.814119
Wdyhv1	7.7049	8.66556	0.169516	0.274091	0.623288
Wdyhv1_j1	5.31325	5.42543	0.0301423	0.894809	0.966832
D15Erttd621e	9.8042	9.02722	0	1	1
Trmt12	1.82974	1.96642	0.103928	0.500094	0.784967
Ndufb9	137.939	132.15	-0.0618468	0.496822	0.783599
Sqle	94.756	107.497	0	1	1
Nsmce2_j1	1.21997	0.873006	0	1	1
Nsmce2	4.66288	4.44159	0	1	1
Trib1	2.27975	2.16449	-0.0748483	0.671191	0.875675
Myc	0.216092	0.206891	-0.0627784	0.911626	0.972265
Myc	0.53074	0.643431	0.277778	0.369823	0.70328
Pvt1_j12	1.2353	0.849723	-0.539794	0.190065	0.531884
Efr3a	6.52327	4.46843	0	1	1
Phf20l1	1.08159	0.929453	0	1	1
Phf20l1_j2	0.00012901	0.173434	0	1	1
Phf20l1_j6	0.061131	0.117142	0	1	1
Khdrbs3	2.24906	2.00538	0	1	1
Gm3150	16.2352	18.4193	0	1	1
XLOC_011060	0.14753	0.00195796	-6.23551	0.682594	0.880953
mKIAA0870_j1	0.0644657	0.0705047	0.129186	0.900602	1
mKIAA0870_j2	0.0486315	0 -1.79769e+308		0.0175809	1
Ptp4a3	14.2615	15.7915	0.147024	0.268674	0.617595
Ptp4a3	6.39253	4.72611	-0.435732	0.0421951	0.232106
Bai1_j1	1.71513	1.54974	-0.146293	0.44159	0.750262
4930572J05Rik	69.5724	70.2357	0	1	1
4930572J05Rik_j1	54.4087	60.2057	0	1	1
Ly6e	3.43664	5.69937	0	1	1

Ly6e	7.29064	10.9198	0	1	1
Ly6e_j5	5.77083	9.42218	0	1	1
Gpihbp1_j1	1.20247	0.900766	-0.416777	0.233214	0.580492
Gpihbp1	0.166026	0.119953	-0.468947	0.49787	0.783786
Zfp41	0.197899	0.120703	-0.713301	0.0889588	0.365503
Zfp41	0.130492	0.141216	0.113951	0.788504	1
AK084954	0.176992	0.242746	0.455764	0.524794	0.800322
Rhpn1_j1	0.195245	0.303808	0.637876	0.255513	0.604208
Rhpn1	1.15967	0.885084	-0.389834	0.125763	0.441571
Rhpn1_j8	1.31338	1.52579	0.21627	0.566334	0.824486
XLOC_011075	0.0854183	0.0743367	-0.20047	0.864067	1
Gsdmd	0.222748	0.42694	0.938618	0.101544	0.39484
Gsdmd_j6	0.162246	0.0292263	-2.47284	0.149143	0.478226
Zfp623	0.817591	0.764131	-0.0975605	0.762364	0.918113
Zfp623_j2	0.49618	0 -1.79769e+308		2.05E-09	1.64E-07
Zfp707	2.44078	2.35955	-0.0488342	0.798375	0.933105
Grina_j1	0.319504	0.267532	-0.256121	0.38789	0.715434
Gpaa1_j1	7.87372	7.6262	0	1	1
Cyc1	12.0948	11.6376	0	1	1
Maf1	2.32269	2.37269	0	1	1
XLOC_011089	0.0806578	0.0949178	0.234864	0.794718	1
Brp16_j3	1.61074	1.50472	-0.0982324	0.71125	0.89506
Brp16	0.72856	0.770473	0.0806963	0.813384	0.939062
Brp16_j4	0.258219	0.410333	0.6682	0.299015	0.645893
Heatr7a_j3	10.1964	11.5286	0	1	1
Hsf1	0.386604	0.369026	-0.0671353	0.766477	0.920335
Gpr172b	2.75032	2.88627	0.0696088	0.589091	0.836005
Adck5	0.741488	0.680454	0	1	1
Ppp1r16a_j1	0.315906	0.233635	-0.435238	0.312849	0.657266
Zfp7	2.18888	2.18841	0	1	1
Commd5	0.796286	0.861304	0	1	1
Rpl8	38.8541	58.656	0	1	1
1110038F14Rik	0.15619	0.207442	0.409403	0.669787	0.875085
1110038F14Rik	7.64709	7.60674	-0.00763223	0.963126	0.989734
XLOC_011105	0.077485	0.0179716	-2.1082	0.447024	1
XLOC_011105	0.139103	0.0663296	-1.06842	0.280133	0.628973
Apol9b_j1	0.134096	0.0948965	-0.498835	0.616561	1
XLOC_011108	0.302161	0.169588	-0.833281	0.0148968	0.114388
Ncf4_j2	0.132676	0.0590147	-1.16876	0.475768	1
Mpst	0.942257	0.447954	-1.07277	0.0605598	0.290153
Mpst	7.50798	8.38881	0.160041	0.308073	0.653037
Mpst_j1	0.216815	0.246206	0.183404	0.845644	0.951227
Kctd17_j2	22.9904	22.4529	0	1	1
Kctd17_j1	21.2379	18.2799	0	1	1
XLOC_011113	0.157637	0.0449617	-1.80984	0.18065	0.520451
Cyth4	1.04178	2.16512	1.05539	8.50E-07	3.59E-05
Cyth4_j2	0.420915	1.11334	1.40329	4.12E-05	0.0010102

Cdc42ep1	4.50007	4.75899	0.0807076	0.580692	0.831731
Sh3bp1_j2	0.387303	0.384333	-0.0111046	0.980219	0.994006
Pdpx	4.82132	4.32052	-0.158224	0.368383	0.701715
Lgals1	31.5359	57.1747	0.85838	0	0
Lgals1_j2	0.534512	0 -1.79769e+308		0.0069418	0.0654286
Nol12	11.4341	15.6717	0.454824	0.0018914	0.0238941
Nol12_j2	1.33287	1.83103	0.458125	0.179424	0.519116
Nol12_j1	3.15278	3.01583	-0.0640699	0.806303	0.93593
Triobp_j1	0.196383	0.0866405	-1.18056	0.0229386	0.154827
Triobp	1.49349	1.3756	-0.118633	0.624585	0.853434
H1f0	26.7034	26.7086	0.000277682	0.997621	0.999228
Gcat	4.69073	4.75298	0.0190222	0.905893	0.970135
Eif3l_j1	22.6546	22.3334	-0.0206031	0.844974	0.950962
Eif3l_j2	0.877762	2.0796	1.24441	3.49E-05	0.0008783
Micall1	3.59939	4.0292	0	1	1
Polr2f	9.55172	11.5277	0	1	1
Gm10863_j1	0.269921	0.181492	-0.572627	0.163766	0.499258
Pick1_j2	0.398541	0.511281	0.35939	0.558757	0.82019
Pick1	14.101	13.7516	-0.0361914	0.753971	0.915071
Cby1	0.603549	0.49885	-0.274864	0.404732	0.726779
Tomm22	0.299354	0 -1.79769e+308		4.05E-05	0.0009956
Tomm22_j2	8.05546	6.79083	-0.246378	0.0991244	0.389598
Gtpbp1_j1	0.529204	0.850569	0.684604	0.0393037	0.221389
Gtpbp1	5.00885	4.67381	-0.099881	0.448306	0.754855
XLOC_011139	0.203505	0 -1.79769e+308		0.0006064	0.0095716
Syng1	8.47333	6.4166	0	1	1
Tab1	5.39498	4.96225	-0.120623	0.377683	0.709365
Mgat3	4.04047	2.71426	0	1	1
Mgat3_j2	20.6346	27.712	0	1	1
Atf4	85.5355	105.978	0	1	1
Cacna1i_j3	0.147219	0.117761	-0.3221	0.512625	0.792284
Cacna1i_j11	0.502294	0.106528	-2.2373	0.0154313	0.117303
Fam83f	0.0432907	0.0679955	0.651383	0.474551	1
Fam83f_j4	0.0709208	0 -1.79769e+308		0.0020401	1
XLOC_011148	0.0916831	0.104328	0.186403	0.818125	1
Tnrc6b	6.07E-05	0.04919	9.6627	0.82303	1
Tnrc6b_j5	0.248838	0.260964	0.0686445	0.838067	0.948335
Adsl	14.9382	15.4452	0.0481517	0.664471	0.872968
Sgsm3	9.91662	9.33237	-0.0876047	0.400487	0.723924
Mchr1	1.72346	3.15421	0.871973	3.97E-06	0.0001385
Rbx1_j1	3.75383	4.89202	0	1	1
Rbx1_j2	2.3198	2.97503	0	1	1
Rbx1_j4	4.89014	5.76976	0	1	1
Rbx1_j5	0.665131	0	0	1	1
XLOC_011155	0.25121	0.00836737	-4.90797	0.477305	0.772673
Ep300	1.30853	1.16977	0	1	1
L3mbtl2	2.42355	2.60608	0.104761	0.366289	0.700066

Zc3h7b_j1	7.63297	1.96247	0	1	1
Tef	9.22358	6.42343	-0.521984	1.76E-05	0.0004999
Tef_j2	0.631685	0	-1.79769e+308	9.44E-14	1.56E-11
Aco2	46.9955	40.1443	-0.227326	0.0104721	0.0884394
Xrcc6	5.92836	6.56939	0	1	1
Mei1_j2	1.03756	0.90379	-0.19913	0.578995	0.830622
Ccdc134	0.580368	0.840913	0	1	1
Ccdc134_j3	0.523967	0.472023	0	1	1
Srebf2	11.7301	11.6107	0	1	1
Srebf2	28.2662	26.1501	0	1	1
Srebf2_j1	0.777562	0.517155	0	1	1
Sept3	17.6713	15.6024	-0.179645	0.0583223	0.28357
Sept3_j3	1.35877	0.407029	-1.7391	7.12E-06	0.0002308
1500032L24Rik	11.8139	12.5169	0.0833925	0.373728	0.706553
AK080278_j1	0.26811	0.309561	0	1	1
Bik	0.495073	0.588479	0.24935	0.530188	0.802944
Tspo	9.74091	13.4992	0	1	1
Mpped1	1.1209	0.739665	-0.599715	0.0342223	0.2027
Mpped1_j3	0.192867	0	-1.79769e+308	0.0001498	0.0030124
Pnpla3_j2	0.149262	0	-1.79769e+308	3.09E-05	0.000793
Samm50_j1	1.10719	0.872973	-0.342892	0.288931	0.636698
Samm50_j3	4.35566	4.37829	0.00747591	0.969667	0.99148
Parvb_j1	0.094769	0.0925798	0	1	1
Parvb	14.2338	11.3665	0	1	1
Parvg_j1	0.119582	0.037589	-1.66962	0.200744	1
Prr5_j1	0.642528	0	-1.79769e+308	4.51E-16	1.03E-13
Prr5	1.00567	0.619243	-0.699576	0.0096103	0.0832087
Prr5_j3	0.654252	0.668303	0.030656	0.920903	0.97524
Nup50	1.02256	0.96285	-0.0868025	0.566353	0.824486
Fam118a	4.57889	4.97716	0.120326	0.40828	0.728619
Fbln1_j1	0.0794962	0	-1.79769e+308	0.0147271	1
Fbln1	0.169067	0.235791	0.479918	0.358815	0.694085
Fbln1_j2	0.173357	0.124033	-0.483023	0.528242	0.801996
Atxn10	11.3617	10.9026	0	1	1
XLOC_011188	0.139633	0.0812101	0	1	1
Ppara_j2	0.0862995	0.0140282	-2.62103	0.261704	1
Ttc38_j2	3.94067	3.78986	-0.0562958	0.721356	0.900355
Gtse1_j5	0.0952244	0.0437698	-1.12139	0.492554	1
Trmu_j1	1.49764	1.58633	0.0830025	0.751427	0.913952
Trmu_j2	0.174118	0.178836	0.0385732	0.954526	0.986881
Gramd4_j2	1.40113	1.22227	0	1	1
Gramd4_j4	0.0605169	0	0	1	1
Tbc1d22a_j1	10.2051	10.7936	0.080884	0.490467	0.780025
Tbc1d22a	2.55836	2.55773	-0.000355595	0.998255	0.999237
Fam19a5	5.62189	6.88722	0	1	1
Fam19a5	11.2796	9.90727	0	1	1
Fam19a5_j1	3.35945	5.15469	0	1	1

Zbed4_j1	1.45112	1.81382	0.321866	0.0391488	0.22072
CrelD2	4.7699	5.5269	0.212512	0.178645	0.518168
Pim3	6.25893	6.90815	0.142384	0.248118	0.595431
Pim3_j1	0.453905	0 -1.79769e+308		5.37E-05	0.0012688
Panx2	23.5994	17.6697	0	1	1
Trabd_j1	0.512436	0.662855	0.371322	0.334277	0.675107
XLOC_011206	0.0688995	0.0436121	-0.659765	0.646397	1
1300018J18Rik_j1	2.70753	2.11025	0	1	1
1300018J18Rik	4.7471	4.89341	0	1	1
Adm2	0.316763	1.21782	1.94282	2.94E-07	1.40E-05
Ncaph2_j7	6.92801	5.63318	0	1	1
Mapk8ip2_j3	16.735	14.13	0	1	1
Mapk8ip2_j5	0.536875	0.472916	0	1	1
AK082325_j1	0.500385	0.412636	-0.278167	0.386467	0.714571
Shank3_j8	0.870118	0.685317	-0.344439	0.176503	0.515252
Shank3_j7	0.183314	0.0259598	-2.81997	0.0076414	0.0703353
Acr_j2	0.146431	0.168632	0.203652	0.654177	0.86772
Alg10b	1.23622	1.8993	0	1	1
Alg10b	4.9969	4.23208	0	1	1
Lrrk2	4.21382	3.25814	-0.37108	0.0013931	0.0186499
Cntn1_j2	0.732769	0.341603	0	1	1
AK035742_j2	0.480345	0.636355	0.405761	0.288361	0.636119
AK035742_j3	0.096769	0 -1.79769e+308		0.0246669	1
XLOC_011224	0.402825	0.338751	-0.249928	0.772375	0.922771
XLOC_011225	0.20355	0.0789266	-1.3668	0.101828	0.395315
Pphln1	1.86861	2.24163	0	1	1
Pphln1_j6	0.638129	0.217429	0	1	1
Irak4_j2	0.292518	0.34932	0.256021	0.446457	0.753343
Tmem117	11.5969	8.75825	0	1	1
Ano6	1.64032	2.03144	0	1	1
Gm4371_j1	0.114775	0.0286613	-2.00163	0.238207	1
Gm4371	0.0370265	0.369296	3.31815	0.0056274	0.0555773
Gm4371_j5	0.0606561	0.0326516	-0.893501	0.654853	1
Arid2	2.69993	2.93688	0.121359	0.300864	0.647316
Slc48a1	13.3487	13.4142	0	1	1
Tmem106c	10.3085	9.46608	-0.122994	0.452667	0.757721
Tmem106c_j3	0.63263	0.449527	-0.492954	0.367668	0.701079
Pfkm	72.1399	54.9585	0	1	1
Cacnb3	61.2188	73.1896	0	1	1
Prph_j3	0.70904	0.468663	0	1	1
Prph_j4	0.249441	1.43071	0	1	1
Prph_j6	41.9288	47.2804	0	1	1
Troap_j1	0.128015	0.0659798	-0.956222	0.484171	1
Troap_j2	0.0825188	0.0223524	-1.88429	0.450096	1
Dnajc22_j4	0.138891	0.0947482	-0.551787	0.538763	0.808163
Dnajc22_j7	0.171712	0.0800765	-1.10054	0.284742	0.633445
Dnajc22	0.201828	0.0974776	-1.04998	0.287427	0.635587

Spats2_j4	0.356999	0.49432	0	1	1
Spats2	3.38377	3.96658	0	1	1
Prpf40b_j8	1.49416	1.27596	-0.227755	0.333784	0.674658
Prpf40b_j7	1.28081	1.45521	0.184173	0.487058	0.778108
Tmbim6	0.270359	0.260225	0	1	1
XLOC_011260	0.138247	0.0372144	-1.89332	0.0432582	0.235998
XLOC_011260	0.0912251	0.0682721	-0.418134	0.616851	1
Smarcd1_j4	16.9897	13.596	-0.321483	0.0003483	0.0060289
Gpd1	7.58564	6.32481	0	1	1
2310016M24Rik	44.8775	45.0716	0.00622616	0.957063	0.987657
Larp4_j2	0.784043	0.454885	-0.785433	0.0105597	0.0889942
Dip2b_j2	0.62142	0.136002	0	1	1
Dip2b_j1	1.63278	0.833341	0	1	1
Atf1_j5	0.561438	0.648708	0.208444	0.6596	0.870764
Mettl7a1	7.56765	7.99829	0	1	1
Gm10035	14.5897	29.055	0	1	1
Letmd1	11.7126	12.6945	0.116145	0.43972	0.749296
Letmd1	8.5383	10.5945	0.311291	0.0014743	0.0194685
Dazap2_j2	2.30748	0.33921	0	1	1
Slc4a8	1.25483	1.70341	0	1	1
Scn8a_j2	9.79742	4.58218	0	1	1
XLOC_011277	0.611511	0.188125	-1.70069	0.0207357	0.144471
Ankrd33_j1	0.196939	0.101876	-0.950935	0.233314	0.580621
Acvrl1	1.0065	0.436557	0	1	1
Acvrl1_j1	0.480684	1.03615	0	1	1
Acvrl1_j2	0.596335	0.492247	0	1	1
Acvr1b	10.0872	8.87113	-0.185331	0.0723666	0.323756
Grasp	0.581157	0.552967	-0.0717361	0.78423	0.927408
Grasp_j2	0.058325	0.0914997	0.649653	0.572113	1
Nr4a1	4.68345	4.64565	0	1	1
9430023L20Rik	17.5705	18.6885	0.0889952	0.457601	0.760491
6030408B16Rik	0.540523	0.636646	0.236137	0.528581	0.802131
Eif4b	24.783	23.7584	0	1	1
Tenc1_j2	0.117616	0.0932171	0	1	1
Tenc1	0.277829	0.232593	0	1	1
Tenc1_j4	0.315863	0.160444	0	1	1
Igfbp6	3.74011	5.72312	0	1	1
Mfsd5	4.08472	3.71411	-0.137219	0.483824	0.776148
Espl1_j1	0.057048	0.0232979	-1.29198	0.297482	1
Espl1_j7	0.0608296	0	-1.79769e+308	0.0483401	1
Myg1_j2	12.5971	12.469	-0.0147465	0.897358	0.967349
Sp1	2.7164	1.66356	0	1	1
Amhr2_j5	1.16867	0.72001	-0.698774	0.0981285	0.387205
Prr13	43.8711	68.9521	0	1	1
Prr13	22.8816	33.3733	0	1	1
Prr13_j3	110.879	133.426	0	1	1
XLOC_011296	0.236824	0.260988	0.140166	0.723109	0.901433

Pcbp2_j3	61.6854	61.1389	-0.0128384	0.891086	0.965576
Pcbp2_j2	56.408	56.4398	0.000813383	0.993269	0.997985
Pcbp2	5.45666	4.60268	-0.245542	0.0618743	0.29424
Tarbp2_j4	0.79448	1.10875	0.480845	0.166912	0.503257
Tarbp2_j5	0.941802	0.96384	0.0333701	0.922025	0.975601
Hoxc11_j1	0.18669	0.0925609	-1.01217	0.346984	0.68578
Hoxc11	0.615517	0.609947	-0.0131146	0.969136	0.991369
Hoxc10	6.11883	5.85377	-0.063889	0.646783	0.863885
Hoxc9_j1	0.369091	0.203296	0	1	1
Hoxc9	0.293258	0.526107	0	1	1
XLOC_011304	0.0662915	0.0259357	0	1	1
Hoxc8	2.05126	1.48747	0	1	1
Hoxc6	2.13059	2.54188	0	1	1
Hnrnpa1_j3	0.0260713	0.0619558	1.24878	0.412326	1
Copz1	45.7116	49.5769	0.117106	0.202685	0.546378
Ghr_j2	3.09126	2.48904	0	1	1
Ghr	6.13547	4.46873	0	1	1
AW549877_j1	7.90832	9.41673	0	1	1
AW549877_j3	0.509889	2.2475	0	1	1
Card6_j2	0.524892	0.329859	0	1	1
Card6_j5	3.45108	2.33593	0	1	1
Ptger4	1.21421	0.868282	0	1	1
Ptger4	1.34249	1.34283	0	1	1
Osmr	0.649828	0.721415	0	1	1
Egflam_j1	1.04775	0.81084	0	1	1
Egflam	1.28786	1.32063	0	1	1
Wdr70_j4	0.275993	0.297767	0	1	1
Nipbl	0.416084	0.335537	-0.310406	0.227301	0.57446
Slc1a3	2.07536	2.10939	0.0234667	0.893492	0.966325
Dnajc21_j1	0.351358	0.0813088	0	1	1
Brix1	6.32213	6.62761	0.0680777	0.585709	0.834044
Rai14	1.53834	1.19723	0	1	1
Rai14_j3	0.124764	0	0	1	1
Tars	12.705	13.9182	0.131575	0.207876	0.552228
Npr3	0.0220134	0.055085	1.32328	0.429906	1
Sub1	26.6836	24.8614	-0.102045	0.266973	0.61606
Pdzd2_j7	0.161193	0.0395543	0	1	1
Pdzd2_j1	1.27754	0.951382	0	1	1
6030458C11Rik	7.16221	6.0356	0	1	1
Cdh6	1.5889	0.820704	0	1	1
Acot10	15.771	15.4751	-0.0273182	0.826273	0.943999
Basp1	111.19	154.511	0.474685	3.05E-08	1.91E-06
Fbxl7	0.764286	0.708811	-0.108711	0.651165	0.866096
XLOC_011346	0.207327	0.108752	-0.930867	0.108955	0.410718
Fam105b_j3	6.48952	6.79778	0.0669536	0.694655	0.887401
Fam105b	0.434243	0 -1.79769e+308		1.06E-05	0.0003241
Fam105a	2.94935	3.71672	0.333632	0.0639501	0.30009

Trio_j2	4.56521	3.94616	0	1	1
Trio_j9	0.138094	0	0	1	1
Trio_j10	0.397707	0.241069	0	1	1
Trio_j14	10.115	8.01897	0	1	1
Ankrd33b	0.726773	0.392039	0	1	1
Ankrd33b	0.130317	0.384972	0	1	1
Ropn1l	0.604078	0.526891	-0.197229	0.685772	0.882833
March6	18.9409	14.903	0	1	1
Cct5_j1	20.7939	28.6762	0.463692	3.65E-05	0.0009131
Cct5	62.2953	64.5916	0.0522254	0.548871	0.814457
AK007719	2.41735	2.79125	0.207485	0.283636	0.632004
Tspyl5	4.75484	4.00863	-0.246287	0.061412	0.292698
Rpl30_j6	0.232416	0.136729	-0.765394	0.353089	0.689667
Rpl30_j3	0.467005	0.402703	-0.213721	0.700533	0.889857
Rpl30_j5	0.649745	0.383208	-0.761746	0.0555223	0.27529
Rpl30_j1	0.0599121	0.0846466	0.498604	0.619292	1
Hrsp12	14.7961	12.6892	-0.221621	0.118685	0.428709
Nipal2_j1	0.552949	0 -1.79769e+308		1.93E-11	2.24E-09
Nipal2	3.50757	2.95982	-0.244961	0.104206	0.400432
Stk3_j2	0.219205	0.141614	0	1	1
Stk3_j3	1.17843	1.27666	0	1	1
Cox6c	24.4086	25.1636	0.0439478	0.639085	0.860252
Rnf19a_j1	19.4914	15.0153	0	1	1
Rnf19a	4.86547	2.9531	0	1	1
Ankrd46_j3	51.9616	54.9314	0	1	1
Ankrd46_j4	33.9679	30.6146	0	1	1
Ankrd46	39.5455	35.9899	0	1	1
Pabpc1	9.69936	6.45614	0	1	1
Ywhaz_j3	8.30915	8.60558	0.050572	0.700757	0.890005
Zfp706_j1	7.01293	5.0402	0	1	1
Zfp706	13.3303	13.5457	0	1	1
Ncald_j5	1.4588	0.545528	0	1	1
Ncald_j6	5.22043	3.21368	0	1	1
Ncald_j7	2.67451	1.63272	0	1	1
Ncald_j4	4.93777	3.47954	0	1	1
Rrm2b_j6	0.31213	0.476622	0	1	1
Rrm2b	0.428744	0.122071	0	1	1
Ubr5	6.43326	5.14767	0	1	1
Ubr5_j5	1.35215	0.626037	0	1	1
Klf10_j1	0.298673	0.16338	0	1	1
Klf10	1.97489	2.00836	0	1	1
Azin1	43.8007	48.928	0.159707	0.066154	0.307128
Slc25a32	1.96583	1.66807	0	1	1
XLOC_011380	0.670995	0.62698	-0.0978837	0.718826	0.898857
Dpys_j1	0.271097	0.18866	-0.523018	0.538573	0.807968
Dpys_j2	0.0655767	0 -1.79769e+308		0.0465496	1
Dpys_j5	0.159581	0.0774582	-1.0428	0.349812	0.687467

Lrp12	0.940376	1.4121	0.586531	0.0178362	0.130129
Lrp12	8.38142	7.2778	-0.203693	0.0673374	0.310319
XLOC_011383	2.95401	2.78704	-0.0839447	0.65205	0.866572
Rspo2_j11	0.798313	1.51658	0	1	1
Rspo2_j12	8.53788	9.3351	0	1	1
Eif3e_j2	0.452643	1.30444	1.52698	0.001428	0.0189918
Eif3e_j3	1.50943	0.792385	-0.929734	0.0446998	0.241506
Tmem74	6.88658	5.67857	-0.27826	0.0071132	0.0667213
Nudcd1	0.589023	0.566793	0	1	1
Nudcd1	2.6509	2.16594	0	1	1
Sybu_j1	6.93333	8.1017	0	1	1
Sybu	17.0727	15.5413	0	1	1
Kcnv1_j6	2.15793	2.01797	0	1	1
Kcnv1_j3	2.07045	0.679183	0	1	1
Csmd3_j1	0.182307	0.047125	-1.95181	0.0444634	0.240553
Csmd3_j7	0.159684	0.0809252	-0.980557	0.10466	0.401541
Csmd3_j8	0.12538	0.0958653	-0.387228	0.719774	1
Eif3h	1.10172	0.330267	-1.73806	0.0067211	0.0637802
Rad21	21.4423	20.3973	-0.0720842	0.442483	0.750625
Ext1	5.16326	4.2515	-0.280308	0.0381673	0.217146
Samd12_j6	0.712871	0.209242	0	1	1
Samd12_j2	0.262596	9.62E-05	0	1	1
Enpp2	0.490451	0.394333	-0.314697	0.445648	0.753058
Enpp2_j9	1.11593	1.29545	0.215202	0.406779	0.727764
Taf2	4.14775	4.02989	-0.0415884	0.742949	0.909993
Taf2_j2	0.224513	0.147217	-0.608852	0.2735	0.622618
Dscc1_j1	0.18824	0.209227	0.152495	0.822869	0.942847
Mrpl13_j2	13.9986	13.1034	0	1	1
Mrpl13	14.266	14.7713	0	1	1
MRPL13	3.66364	4.33987	0	1	1
Sntb1_j3	2.15708	2.13025	0	1	1
Sntb1_j2	0.767026	0.702161	0	1	1
Der1_j1	20.9146	20.1953	0	1	1
Zhx1	3.57489	3.51254	0	1	1
Atad2_j3	0.513848	0.422635	0	1	1
Atad2	1.07091	0.881458	0	1	1
Fbxo32	1.46949	1.39786	-0.0720891	0.640113	0.860827
Klhl38_j1	0.0961892	0.0233455	-2.04273	0.200686	1
Tmem65	13.3815	14.1158	0	1	1
Tatdn1	10.9219	10.9064	-0.00205664	0.984297	0.995386
Mtss1_j1	1.61523	1.69098	0.0661134	0.647819	0.864344
E430025E21Rik_j1	5.32834	6.53362	0	1	1
Fam49b_j3	1.2294	1.01245	0	1	1
Fam49b	1.98774	2.88149	0	1	1
Fam49b	2.04328	1.61306	0	1	1
Asap1_j4	0.279798	0.195747	0	1	1
Asap1_j6	1.11104	0.714135	0	1	1

Asap1_j7	4.71242	0.0505587	0	1	1
Asap1_j17	13.1001	8.88428	0	1	1
Adcy8_j1	0.913887	0.625919	0	1	1
Adcy8	0.231881	0.585341	0	1	1
Adcy8	0.834194	0.567318	0	1	1
Oc90_j1	0.0924543	0 -1.79769e+308	0.0141704		1
Kcnq3_j2	0.303066	0.0602158	0	1	1
Kcnq3	1.87352	2.05633	0	1	1
Lrrc6	0.465564	0.0971939	-2.26004	0.0019238	0.0242294
Sla	0.310401	0.108164	-1.52091	0.0470165	0.248626
Sla	0.128591	0.557432	2.11601	3.39E-05	0.0008576
Ndr1_j4	4.41139	0.870498	0	1	1
Ndr1	58.4539	64.3265	0	1	1
St3gal1	0.405082	0.236551	0	1	1
St3gal1	2.05796	1.44447	0	1	1
Zfat_j1	0.430927	0.617085	0.518026	0.330301	0.672202
Zfat_j2	0.0687983	0 -1.79769e+308	0.0037778		1
Zfat_j6	0.368204	0.267345	-0.461806	0.222694	0.569646
XLOC_011435	0.0353129	0.0879523	1.31653	0.476138	1
Col22a1_j2	0.12871	0.142332	0.145136	0.856881	1
Kcnk9	0.138736	0.14061	0.0193631	0.964193	0.989953
Eif2c2_j2	0.14829	0.0388701	-1.93169	0.23476	0.582023
Ptk2_j12	1.04087	0.97133	0	1	1
Ptk2_j11	2.38262	1.82858	0	1	1
Slc45a4_j5	0.817143	0.206016	0	1	1
Slc45a4_j6	9.31001	5.44646	0	1	1
Gm7935	15.3944	15.9415	0.0503827	0.665995	0.873396
Arc_j1	1.69013	2.08831	0.305205	0.360417	0.695432
Arc	0.515108	0.863629	0.745537	0.0160885	0.120835
Arc	0.873617	1.28452	0.556161	0.0223957	0.152567
Jrk	2.28985	2.29555	0.00358932	0.980918	0.994152
Lypd2	0.657493	1.15934	0.818263	0.0462126	0.246432
2300005B03Rik	2.05362	1.21952	-0.751864	0.0171503	0.126567
Lynx1_j2	32.7693	59.8698	0	1	1
Lynx1	64.5824	57.7645	0	1	1
Ly6a	5.38522	10.8147	0	1	1
Ly6c1_j1	5.73459	5.15372	0	1	1
Ly6h	3.74488	2.86187	-0.387961	0.246955	0.594488
Ly6h	5.04706	3.87594	-0.380894	0.0606619	0.290288
Top1mt	1.17961	1.42793	0.275616	0.147992	0.4767
Zc3h3_j4	0.2589	0.155813	-0.732579	1	1
Naprt1_j5	0.387689	0.441117	0.186262	0.759438	0.91718
Naprt1_j6	0.479604	0.381852	-0.328831	0.534825	0.805935
Eef1d	0	0.0693245 1.79769e+308	0.0953493		1
Eef1d	14.0073	16.594	0.244484	0.0154739	0.117492
Eef1d_j1	1.24667	1.83673	0.559061	0.0021101	0.026064
Pycrl_j1	7.88017	9.0079	0.192965	0.205638	0.550043

Pycrl	0.918152	1.02262	0.15547	0.514047	0.793041
Tsta3	13.3753	14.2753	0.0939441	0.488182	0.778703
Tsta3	2.69679	2.15783	-0.321664	0.24803	0.595382
2410075B13Rik	0.54151	0.768272	0.504629	0.130182	0.449234
Fam83h_j1	0.278423	5.60E-05	-12.2803	0.869548	0.958473
Fam83h	2.24312	2.74105	0.289226	0.0403491	0.225117
Scrib_j11	0.806356	0.815064	0	1	1
Puf60_j1	18.6899	15.2921	0	1	1
Puf60	13.3842	11.5423	0	1	1
Nrbp2_j1	23.7701	23.0371	0	1	1
Nrbp2_j5	0.115622	0.161371	0	1	1
Plec_j1	2.97479	2.79146	-0.0917708	0.417335	0.734428
Oplah	0.442609	0.324102	0	1	1
Sharpin	5.07416	4.98064	0	1	1
Bop1_j4	7.41515	8.36807	0	1	1
Bop1	6.08996	5.39965	0	1	1
Scrt1_j1	31.5288	19.3298	-0.705844	8.86E-14	1.47E-11
Scrt1	0.545755	0.372427	-0.551297	0.0423883	0.232763
Fbxl6	1.04443	0.930492	-0.166655	0.611337	0.846879
Cpsf1_j1	0.0643206	0.0999337	0	1	1
Vps28_j3	75.0908	80.594	0.102035	0.283576	0.631938
Tonsl_j2	4.26695	3.99199	-0.0960989	0.433839	0.745068
Cyhr1_j1	19.2527	18.3367	-0.0703316	0.465283	0.765197
Arhgap39_j7	2.4061	2.15692	-0.157723	0.255981	0.604701
Zfp251_j3	0.893183	0.551984	0	1	1
Zfp251	3.84942	3.84882	0	1	1
Zfp647	0.840113	0.995362	0.244637	0.380129	0.711149
Rbfox2_j4	3.51852	2.28743	0	1	1
Rbfox2_j6	8.92046	8.0382	0	1	1
Rbfox2_j5	2.42444	3.14904	0	1	1
Apol9a_j2	0.0579398	0 -1.79769e+308	0.0366293	0.0366293	1
Apol9a_j1	0.116626	0.268215	1.2015	0.090893	0.370619
Apol8_j1	0.229763	0.0163164	-3.81575	0.0101112	0.086213
Apol8	0.344178	0.0932348	-1.88421	0.002957	0.0340717
Myh9_j2	1.25368	0.195501	0	1	1
Myh9	14.9417	14.7609	0	1	1
Txn2	24.1515	29.1402	0	1	1
Foxred2	0.3721	0.209247	-0.830484	0.0405746	0.225987
Eif3d_j1	9.86052	12.7124	0	1	1
Eif3d_j2	8.95325	6.67349	0	1	1
Eif3d	6.34138	6.5029	0	1	1
Cacng2	4.48595	3.04232	-0.560244	4.52E-05	0.0010943
Cacng2_j2	1.05544	0.624986	-0.755943	0.0032418	0.0366859
Ift27_j1	1.48688	0.469356	-1.66353	0.0004363	0.0072568
Ift27_j2	0.121575	0 -1.79769e+308	0.0234857	0.0234857	1
Pvalb_j2	0.536357	0.117613	-2.18914	0.0294433	0.183424
Csf2rb2_j3	0.161272	0.400625	1.31276	0.0143799	0.111597

Csf2rb2_j2	0.180592	0.234793	0.378652	0.433568	0.744891
Csf2rb2_j7	0.0597161	0.0300366	-0.991397	0.442153	1
Tst	1.95667	2.09319	0.0973056	0.583249	0.833121
Tmprss6_j2	0.0658047	0.0456622	-0.527189	0.791605	1
Tmprss6_j3	0.0774563	0 -1.79769e+308		0.0154604	1
Il2rb_j3	0.143514	0.115468	-0.313691	0.614876	0.847925
C1qtnf6	0.485622	0.61751	0.346629	0.327667	0.670398
Rac2	0.599622	1.1235	0.905868	0.0012456	0.0170395
Elfn2_j2	0.286669	0.131034	0	1	1
Elfn2	0.427954	0.581077	0	1	1
Mfng_j1	0.0965039	0.212474	1.13863	0.249235	0.596716
Mfng	0.860467	1.00224	0.220042	0.418505	0.735325
Card10_j1	4.16279	2.33253	0	1	1
Card10	0.404578	0.413061	0	1	1
Ankrd54	4.08936	4.04976	-0.0140388	0.935709	0.98034
Sox10_j3	0.424938	0.548251	0	1	1
Sox10	0.239937	1.47584	0	1	1
Baiap2l2_j2	0.112762	0.0580302	-0.958405	0.501495	1
Baiap2l2_j4	0.100055	0.0272179	-1.87817	0.363744	1
Pla2g6	8.4115	8.96282	0	1	1
Pla2g6_j3	1.60315	0	0	1	1
Tmem184b_j1	14.3456	13.34	0	1	1
Tmem184b	19.4397	17.4321	0	1	1
Csnk1e	11.8306	19.2409	0	1	1
Csnk1e	11.9922	10.4686	0	1	1
Kcnj4_j2	0.567348	0.358931	-0.660526	0.16474	0.500803
Kcnj4	0.392166	0.304081	-0.367006	0.198221	0.54132
Ddx17_j3	0.0761101	0.0864934	0	1	1
Ddx17	0.966261	0.73135	0	1	1
Dmc1_j1	0.14873	0.00517211	-4.8458	0.259954	0.608587
4933432B09Rik_j4	0.132268	0.08223	-0.68573	0.312512	1
4933432B09Rik_j5	0.100333	0.098373	-0.0284683	0.962446	1
Sun2_j2	2.54118	3.52679	0	1	1
Sun2	9.58465	10.2732	0	1	1
Dnalc4	9.01496	8.11242	0	1	1
Nptxr	8.83786	7.7396	0	1	1
Cbx6	47.6232	44.7056	0	1	1
Pdgfb	0.96095	0.950594	-0.0156319	0.949458	0.985359
Rpl3_j1	1.89977	2.3212	0	1	1
Rpl3_j2	1.11578	0.797108	0	1	1
Rps19bp1_j2	3.66417	4.37869	0.257014	0.369526	0.702946
Rps19bp1	7.20101	9.62642	0.4188	0.0162	0.121522
Mkl1	6.03806	6.21428	0.0415018	0.718226	0.898594
Slc25a17	23.5075	23.4316	-0.00466799	0.963912	0.989793
St13_j3	0.548509	0.571224	0	1	1
St13_j4	0.19683	0.155761	0	1	1
Chadl	5.84334	5.34935	-0.127431	0.348108	0.686627

Rangap1_j1	47.5631	54.4577	0	1	1
Tob2_j2	0.221026	0	-1.79769e+308	4.16E-08	2.50E-06
Phf5a	35.5681	35.601	0.00133195	0.990586	0.997044
Polr3h	6.44751	6.65145	0.0449278	0.640109	0.860827
Pmm1	70.7978	85.4931	0.272102	0.0015558	0.0203408
Pppde2	11.1807	10.2613	0	1	1
Nhp2l1_j1	0.202809	0.148635	0	1	1
Al848285_j1	0.113563	0	-1.79769e+308	0.0396956	1
Cenpm	0.321355	0.26963	-0.253191	0.427709	0.741858
Cenpm_j2	0.724042	0.698864	-0.0510617	0.930907	0.978859
Naga	8.62152	8.04881	-0.099166	0.467923	0.766747
Naga_j5	0.5313	0.392752	-0.43591	0.43762	0.747795
Ndufa6_j1	84.781	74.5401	-0.185724	0.161419	0.496287
Ndufa6	32.7849	30.8605	-0.0872673	0.432597	0.744299
Cyp2d22_j3	3.76017	3.53375	-0.0895952	0.704244	0.89177
Cyp2d22_j5	1.66736	1.20525	-0.468229	0.13486	0.457099
Cyp2d22_j6	2.44135	2.26863	-0.105859	0.653634	0.867521
Nfam1_j1	0.0606756	0.0422762	-0.521272	0.698518	1
Poldip3	18.5507	20.3162	0.131159	0.170304	0.507195
Cyb5r3_j2	0.600726	0.719062	0	1	1
Arfgap3	1.7727	0	-1.79769e+308	1.31E-25	4.18E-23
1700001L05Rik_j3	2.6978	1.78579	0	1	1
1700001L05Rik_j2	4.03892	2.8893	0	1	1
Pacsin2_j1	1.89508	2.17447	0	1	1
Pacsin2_j2	2.07949	2.93237	0	1	1
Ttll1	30.9441	34.2344	0.145783	0.124333	0.439475
Mcat_j5	0.318069	0.172289	0	1	1
Mcat	2.65492	2.97144	0	1	1
Mcat_j2	0.538544	0.251791	0	1	1
Ttll12	0.511088	0.510881	-0.000584767	0.998166	0.999228
Efcab6_j2	0.0468304	0	-1.79769e+308	0.0582599	1
Efcab6_j1	0.0936296	0	-1.79769e+308	0.0106053	1
Sult4a1	109.488	103.13	0	1	1
1810041L15Rik_j2	0.71268	0.300812	0	1	1
1810041L15Rik_j4	0.21444	0.0485889	0	1	1
1810041L15Rik_j5	0.485599	0	0	1	1
1810041L15Rik_j3	3.23279	1.28954	0	1	1
Ldoc1l	10.1614	9.92339	-0.0341956	0.733231	0.905831
Phf21b_j2	0.145879	0	-1.79769e+308	0.0009155	0.0133284
Phf21b_j3	0.253982	0	-1.79769e+308	1.87E-07	9.29E-06
5031439G07Rik_j2	4.74653	7.0001	0	1	1
5031439G07Rik	8.22816	7.35532	0	1	1
XLOC_011571	0.0515322	0	-1.79769e+308	0.0485023	1
2210021J22Rik_j1	0.638308	0.946743	0	1	1
2210021J22Rik_j2	5.46226	6.11471	0	1	1
2210021J22Rik	1.53288	1.99032	0	1	1
Celsr1_j5	0.0896089	0.0572617	-0.646071	0.179149	1

Celsr1_j7	0.15	0	-1.79769e+308	1.08E-11	1.31E-09
Celsr1_j6	0.175413	0.334025	0.929197	0.0014593	0.0193076
Cerk_j5	12.0007	14.6369	0	1	1
Cerk_j2	5.87387	6.05552	0	1	1
Cerk	4.59851	4.1311	0	1	1
Brd1_j1	2.52315	0.592779	0	1	1
Alg12	5.02027	4.72229	-0.0882782	0.55458	0.81765
Ttll8_j2	0.21577	0.330277	0.614181	0.3586	0.693917
AK006138	0.338693	0	-1.79769e+308	0.0002121	0.004028
Mlc1	0.749437	0.807372	0	1	1
Tubgcp6_j1	0.353007	0.158318	0	1	1
Hdac10_j1	2.24973	2.55344	0	1	1
Hdac10	0.44073	0.613564	0	1	1
Hdac10_j2	2.83774	2.76876	0	1	1
Mapk11	14.704	12.5208	0	1	1
Plxnb2	0.182975	0.24908	0	1	1
Plxnb2_j6	1.11608	1.4937	0	1	1
Fam116b_j2	0.327128	0.354563	0	1	1
Fam116b_j1	0.187365	0	0	1	1
Sbf1_j6	8.19144	8.8881	0	1	1
Lmf2_j1	0.0550258	0	0	1	1
Lmf2_j2	0.55244	0.48857	0	1	1
Tymp_j3	4.64692	5.56455	0	1	1
Odf3b	0.137078	0.0397298	-1.7867	0.302268	1
Cpt1b_j12	0.0618131	0	-1.79769e+308	0.0510873	1
Cpt1b_j13	0.0945031	0.209456	1.14822	0.139854	0.465246
Cpt1b_j16	0.102781	0.110412	0.10332	0.916553	1
Chkb_j1	3.47057	3.22956	0	1	1
Chkb	6.55248	6.23967	0	1	1
Arsa	0.374366	0.412804	0.141009	0.676671	0.87838
Rabl2_j1	1.97903	2.09032	0	1	1
Rabl2	3.39612	2.13346	0	1	1
Syt10_j3	0.0602995	0	-1.79769e+308	0.0834856	1
Cpne8_j1	2.865	2.36543	-0.276433	0.252595	0.600518
Cpne8_j2	0.609698	0	-1.79769e+308	3.93E-10	3.51E-08
Cpne8	0.867774	0.809903	-0.0995701	0.711371	0.895165
Cpne8	8.7854	9.47779	0.109443	0.41139	0.730688
Gm8759	158.809	194.462	0.292196	0.0014366	0.0190759
Kif21a_j15	3.11616	42.5223	0	1	1
Kif21a_j6	2.49903	6.50469	0	1	1
Kif21a_j16	35.7867	21.0645	0	1	1
Abcd2	2.29547	1.28114	0	1	1
Slc2a13	1.30497	0.911766	-0.517278	0.0096007	0.0831408
Gxylt1_j3	0.203084	0.19818	-0.0352697	0.945857	0.983787
Gxylt1_j6	0.252516	0.24914	-0.0194197	0.962038	0.989366
YAF2	14.4811	11.3305	0	1	1
Yaf2	10.9014	8.37761	0	1	1

Zcrb1	2.70784	2.27057	0	1	1
Prickle1	0.0532704	0 -1.79769e+308	0.0075344		1
Prickle1	0.666063	0.000125973	-12.3683	0.783361	0.926989
Adamts20_j4	0.0811463	0 -1.79769e+308	1.36E-05		1
Adamts20_j2	0.0491783	4.99E-05	-9.94379	0.862305	1
Pus7l_j1	0.285924	0.322107	0.171906	0.724443	0.901947
Pus7l	0.683796	0.796938	0.220902	0.388731	0.716153
Twf1_j5	0.196521	0.0714642	-1.45939	0.120121	0.431505
Nell2_j3	0.604847	0.554031	0	1	1
Nell2_j4	0.489126	0.870815	0	1	1
Nell2	0.798436	0.570583	0	1	1
Nell2	1.38788	1.16824	0	1	1
Nell2_j5	0.615164	0.136135	0	1	1
Dbx2_j1	0.193417	0.113641	-0.767226	0.523035	0.799177
AK163711_j4	0.175802	0.152505	-0.2051	0.687776	0.883941
AK163711_j5	0.245758	0.208808	-0.235059	0.686214	0.883052
AK163711_j6	0.58877	0.314699	-0.90373	0.201931	0.545319
Scaf11_j2	5.68027	5.50652	-0.0448162	0.672859	0.876537
Slc38a1_j2	2.43238	4.60824	0	1	1
Slc38a1_j3	0.540938	0.282514	0	1	1
Slc38a1	2.05539	1.0983	0	1	1
Slc38a2_j3	0.336945	0.200108	0	1	1
Slc38a2_j5	1.22659	0.556581	0	1	1
Slc38a2	23.1948	20.1292	0	1	1
Amigo2	8.27489	5.335	0	1	1
Rpap3	7.92122	7.35906	-0.1062	0.387713	0.715426
Rapgef3_j1	0.204522	0.220362	0.107619	0.837455	0.948017
HDAC7	8.1779	7.16191	0	1	1
Vdr_j1	0.162735	0.0970843	-0.745219	0.320671	0.663889
Asb8	9.95966	9.27838	0	1	1
Asb8	4.81318	3.64067	0	1	1
Zfp641_j6	0.701971	0.442498	-0.665741	0.0321583	0.194495
Zfp641_j5	0.143912	0.246528	0.776559	0.0974952	0.385892
Zfp641_j2	0.3357	0.225477	-0.574195	0.117846	0.427133
Zfp641_j7	0.119629	0.0885008	-0.434804	0.501334	1
Zfp641	0.376676	0.63461	0.752544	0.0209197	0.145317
Ccnt1_j2	0.228333	0.704524	0	1	1
Adcy6_j1	0.275178	0.228607	-0.267492	0.494493	0.782504
Adcy6_j4	0.256027	0.204355	-0.325222	0.416533	0.733896
Ddx23	47.5476	52.5226	0.143566	0.0933138	0.376016
Rnd1	1.42615	4.07523	1.51476	2.22E-16	5.36E-14
Arf3_j4	6.80304	4.92861	0	1	1
Arf3	10.5779	10.3119	0	1	1
Ddn	0.992551	0.620383	0	1	1
Prkag1	22.1448	22.3981	0.0164109	0.883611	0.963053
Mll2_j4	0.551767	0.539029	-0.0336958	0.865978	0.957278
Mll2_j3	0.171616	0.137932	-0.315226	0.358484	0.693858

Dhh	11.2679	11.1153	-0.0196719	0.843852	0.950604
Lmbr1_lj6	0.435543	0.508722	0	1	1
Lmbr1_lj2	1.85906	2.47849	0	1	1
Lmbr1_lj3	0.720369	0.202849	0	1	1
Lmbr1_lj4	0.67119	0.148368	0	1	1
Lmbr1	2.82263	3.56219	0	1	1
C1ql4	7.60406	4.61277	-0.721137	4.05E-07	1.85E-05
Fmnl3_j3	0.21263	0.287235	0.433887	0.330953	0.672743
Fmnl3	0.618393	0.0862858	-2.84133	9.06E-06	0.000285
Nckap5l_j7	0.243497	0	0	1	1
Nckap5l_j3	2.06157	0.647093	0	1	1
Nckap5l	4.42632	4.36626	0	1	1
Bcdin3d	3.18284	3.39546	0.0932944	0.653461	0.867469
Faim2_j1	0.152512	0 -1.79769e+308		0.000119	0.0024865
Faim2	35.075	20.7302	-0.758707	0	0
Racgap1_j3	0.115875	0 -1.79769e+308		0.0014013	1
Racgap1_j5	0.997391	0.762407	-0.387598	0.188964	0.530568
Lass5	6.71304	6.106	0	1	1
Lass5_j6	1.43307	1.79281	0	1	1
Lima1	1.45978	2.09704	0	1	1
Lima1	0.90468	0.635503	0	1	1
Slc11a2	0	1.35835	0	1	1
Slc11a2_j3	0.0339511	0.33368	0	1	1
Slc11a2	5.33598	3.89088	0	1	1
Csrnp2	1.16352	1.19693	0.040843	0.846232	0.951378
Tcfcp2_j1	0.0727999	0.0410035	0	1	1
Tcfcp2	1.4138	0.911487	0	1	1
Pou6f1_j4	3.59321	3.03998	0	1	1
Pou6f1	1.08589	0.979299	0	1	1
Pou6f1_j3	4.47948	3.47811	0	1	1
Smagp	1.05207	1.55763	0.566127	0.0916152	0.371965
Smagp	0.338754	0.54276	0.680077	0.231965	0.57898
BC141885_j2	0.0486667	0.0525276	0.110142	0.941759	1
Cela1_j2	0.542487	0.397846	-0.447376	0.418789	0.735525
Galnt6	0.772211	1.92285	0	1	1
AK146183	0.523985	0.383136	0	1	1
AK146183_j1	0.524589	0.5261	0	1	1
Spryd3_j2	49.4872	38.7321	0	1	1
Csad_j1	0.620635	0.569162	0	1	1
Itgb7	0.259169	0.256781	0	1	1
Rarg_j3	0.956363	0	0	1	1
Rarg	7.1305	6.02029	0	1	1
Aaas	7.80185	8.26293	0.0828374	0.528212	0.801996
Map3k12_j4	8.68369	9.19748	0	1	1
Atf7_j2	0.819587	0.885601	0.111759	0.518043	0.796161
Calcoco1	13.9832	14.5566	0.0579861	0.571516	0.826908
AK035706	0.167424	0.195331	0.222417	0.617812	0.849619

XLOC_011689	0.0928571	0.0586537	-0.662791	0.503426	1
Smug1_j2	1.08287	0.448783	-1.27078	0.0006742	0.0104123
Cbx5	7.63341	7.04386	-0.115963	0.231629	0.578702
Zfp385a_j1	14.6516	10.5379	0	1	1
Zfp385a_j2	0.190939	0	0	1	1
ltga5_j4	0.21807	0.0904109	0	1	1
Ppp1r1a	5.1136	4.59688	-0.153686	0.204508	0.548638
Plcx3_j1	3.02944	1.14616	0	1	1
Ttc33_j3	0.711422	1.08945	0	1	1
Ttc33_j4	1.9272	0.971106	0	1	1
Dab2_j2	0.416395	0.246252	0	1	1
Dab2_j1	0	0.0999768	0	1	1
Fyb_j5	0.568843	0.424531	-0.422161	0.170221	0.507195
Nup155_j1	0.586192	1.20696	0	1	1
2410089E03Rik_j9	0.34712	0.422958	0.285083	0.410428	0.730298
2410089E03Rik_j11	0.134655	0	-1.79769e+308	0.000238	1
2410089E03Rik_j14	1.70736	2.41837	0.502267	0.0563638	0.277794
2410089E03Rik_j17	0.114089	0	-1.79769e+308	0.0433451	1
2410089E03Rik_j20	1.46599	1.83652	0.325094	0.630953	0.856499
XLOC_010947	0.823165	0.80182	-0.037903	0.87502	0.96023
Capsl_j1	0.17685	0.0651814	-1.44	0.130792	0.450257
Drosha_j2	4.4724	2.56927	0	1	1
Drosha_j6	18.5122	19.2951	0	1	1
Cdh9_j4	0.551751	0.445983	0	1	1
Cdh9_j5	0.383584	0.426049	0	1	1
Cdh10_j2	2.56424	1.97012	-0.380245	0.0385882	0.2188
Myo10_j3	0.707434	0.3251	0	1	1
March11_j4	0.0599758	0	-1.79769e+308	0.176543	1
XLOC_010975	0.156683	0.154962	-0.0159351	0.976641	0.993228
Ctnnd2_j2	0.891198	0.17747	0	1	1
Ctnnd2_j5	0	0.0661056	0	1	1
Cmb1_j1	0.00996409	0.30422	4.93223	0.260769	0.609596
Mtdh_j2	0.162048	0.119628	0	1	1
Matn2_j1	0.396903	0.307102	0	1	1
Kcns2_j1	0.00622832	0.0896588	3.84753	0.436487	1
Osr2_j3	0.189035	0.0632322	-1.57992	0.294005	0.640867
Osr2	0.117591	0.369564	1.65204	0.016521	0.12319
Vps13b_j5	0.14849	0.112854	-0.395915	0.569864	0.826046
Spag1	0.443514	0.147168	-1.59151	0.0014555	0.0192631
Spag1_j8	0.161849	0.0885186	-0.870598	0.243893	0.591133
XLOC_010995	0.0495428	0.037368	-0.406872	0.819947	1
Baalc	2.12008	2.75875	0.379897	0.0867804	0.360114
Fzd6_j1	0.229596	0.240338	0.0659664	0.951148	0.985865
Fzd6_j2	0.165113	0.46025	1.47897	0.0011606	0.0161023
Rims2_j5	0.815273	1.37116	0.750038	0.0001061	0.0022658
Rims2_j10	0.837283	0.319898	-1.3881	4.10E-05	0.0010074
Rims2	8.33785	6.70597	-0.314228	0.0113329	0.0940621

XLOC_011008	0.11615	0.0785842	-0.563672	0.715957	1
A930017M01Rik	0.110769	0.208201	0.910429	0.128064	0.445967
XLOC_011018	1.79946	1.96191	0.124698	0.764561	0.919275
AK171902	7.92749	5.50294	0	1	1
Mtbp_j2	0.0583074	0	0	1	1
Wdr67_j10	0.0471465	0 -1.79769e+308		0.0576491	1
D15Ertd621e_j1	0.13536	0.173556	0	1	1
9930014A18Rik	0.0550793	0.0436799	-0.334539	0.849919	1
Myc	6.69678	8.74386	0.384803	0.0034006	0.038051
Pvt1_j9	0.74704	0.465028	-0.683869	0.0312967	0.190967
Efr3a_j3	5.05398	3.51507	0	1	1
Efr3a_j5	8.37214	7.42916	0	1	1
XLOC_011050	2.84757	3.78595	0	1	1
Phf20l1_j3	0.758987	0.819028	0	1	1
Phf20l1_j5	0.927265	0.812335	0	1	1
Phf20l1_j4	0.164093	0.0236876	0	1	1
Elm1	0	0.236233 1.79769e+308		4.38E-05	0.0010657
Khdrbs3_j2	0.679061	1.1157	0	1	1
Khdrbs3_j1	8.84034	14.1534	0	1	1
Chrac1	7.91601	8.53183	0.108082	0.468116	0.766788
Bai1_j5	0.540956	0.625358	0.209171	0.62503	0.853689
Bai1_j10	4.63485	4.53848	-0.0303147	0.889723	0.964993
Ly6e	0.126111	0.244013	0	1	1
Ly6g_j2	0.421668	2.406	0	1	1
Rhpn1_j7	0.987087	1.25886	0.350866	0.4546	0.758767
Gsdmd_j5	0.0503752	0.32738	2.70018	0.0122028	0.0994196
Zfp707	0.0550934	0.0738021	0.421783	0.766566	1
Grina	338.328	335.093	-0.0138611	0.874775	0.960191
Gpaa1_j3	0.0568075	0.0690771	0	1	1
Gpaa1_j4	0.0901517	0.129784	0	1	1
Cyc1_j2	45.4751	48.5158	0	1	1
Maf1_j1	0.285531	0.319876	0	1	1
Brp16_j5	0.0818972	0.207049	1.33809	0.187344	0.528303
Heatr7a_j4	1.65666	1.85783	0	1	1
Kifc2_j5	0.20911	0.392388	0	1	1
Ppp1r16a_j10	0.0942817	0.124836	0.404984	0.47223	1
Ppp1r16a_j11	0.221794	0.304805	0.458669	0.23258	0.579685
XLOC_011102	0.0838643	0.154269	0.879316	0.495855	1
Rpl8_j2	30.8002	19.5683	0	1	1
XLOC_011105	0.133671	0 -1.79769e+308		0.0108663	1
Apol9b	0.195719	0.16208	-0.27208	0.730592	0.904795
Apol9b	0	0.174825 1.79769e+308		0.0101503	0.0864559
Mpst	0.890721	1.16642	0.389047	0.355733	0.691582
Kctd17	10.2809	10.0909	0	1	1
Kctd17_j3	31.118	30.8386	0	1	1
XLOC_011113	0.17193	0.12455	-0.465094	0.500025	0.784934
Cyth4_j1	0.0992455	0.0839592	-0.241312	0.823201	1

Gga1	17.5756	18.3201	0.0598556	0.540704	0.809004
Sh3bp1_j1	0.25058	0.279407	0.157097	0.696352	0.888069
Sh3bp1_j4	0.415221	0.451774	0.121723	0.797221	0.932581
Pdpx_j1	5.73669	5.46304	-0.0705146	0.699858	0.889482
Eif3l	0.0501857	0.446471	3.15322	0.0002158	0.0040823
Gm10863_j5	0.961347	0.759154	-0.340664	0.374225	0.706986
Maff	0.526369	0.500336	0	1	1
XLOC_011139	0.0802541	0.140545	0.808389	0.409097	1
XLOC_011139	0.195859	0.141833	-0.465623	0.618345	0.850061
XLOC_011139	0.578601	0	-1.79769e+308	2.25E-06	8.44E-05
Syng1_j3	107.257	91.8867	0	1	1
Cacna1i_j9	0.00252405	0.1056	5.38673	0.117704	1
Rbx1_j3	40.3727	41.4473	0	1	1
Ep300_j2	1.31436	1.3087	0	1	1
Zc3h7b	6.89804	5.15495	0	1	1
Aco2_j1	9.32156	6.32427	-0.559673	0.0001025	0.002204
Csdc2	12.8736	17.5974	0.45094	1.14E-05	0.0003472
Ccdc134_j1	1.67486	2.04288	0	1	1
Sept3	1.6103	1.42247	-0.178931	0.450597	0.756203
1500032L24Rik	67.6187	71.0894	0.0722135	0.513268	0.792548
Tspo_j1	2.1936	2.15002	0	1	1
Mpped1_j4	0.172433	0.898458	2.38141	2.03E-06	7.67E-05
Samm50	6.54609	7.27003	0.151328	0.177564	0.516957
Parvb_j3	0.523705	0.360728	0	1	1
Prr5	0.541356	0.418365	-0.371814	0.263514	0.612282
Nup50_j2	0.103142	0.253166	1.29545	0.0235633	0.157635
Fbln1	0.268814	0.42403	0.657559	0.150151	0.480121
Fbln1_j3	0.121888	0.232428	0.931235	0.166993	0.503276
Atxn10_j1	0.233076	1.9089	0	1	1
Atxn10_j4	27.1335	26.9231	0	1	1
Gm4825	0.0792327	0.117088	0.563425	0.686695	1
XLOC_011191	0.143951	0.0650124	-1.14679	0.397559	0.721918
Gramd4_j5	2.74995	3.44166	0	1	1
Tbc1d22a_j7	1.46982	1.19214	-0.302093	0.482585	0.775744
Tbc1d22a_j8	0.0487152	0.11588	1.25018	0.346348	1
Pim3_j3	25.9109	29.8742	0.205341	0.0599873	0.28839
XLOC_011202	0.998701	1.26696	0.343251	0.454669	0.758773
Mov10l1_j1	0.0991275	0.13008	0.392038	0.67726	1
Panx2_j2	0.823056	1.05903	0	1	1
XLOC_011206	0.0818777	0.0969142	0.243237	0.792387	1
Ncaph2_j1	6.65628	8.2265	0	1	1
Ncaph2_j6	2.3997	2.33067	0	1	1
XLOC_011213	0.602665	0.556374	-0.115302	0.616086	0.848645
Shank3_j4	0.0921758	0.115836	0.32962	0.552551	1
Ano6	1.10571	0.813789	0	1	1
Gm4371_j6	0.0611855	0.274731	2.16676	0.0874315	0.361852
XLOC_011235	0	0.10824	1.79769e+308	0.174206	1

Fam113b_j1	1.82489	1.27319	0	1	1
Tmem106c	1.40174	1.54596	0.141277	0.731325	0.904922
Dnajc22_j8	0.0243445	0.115305	2.24379	0.332234	1
Prpf40b_j1	0.677273	0.172622	-1.97212	0.000933	0.0135229
Tmbim6_j1	5.16361	3.25257	0	1	1
Smarcd1_j1	0.451059	0.209375	-1.10722	0.0036103	0.0399016
Larp4_j7	7.46057	6.39121	-0.223196	1	1
Dip2b_j6	5.41875	5.74214	0	1	1
Gm5474	0.889584	0.720574	-0.303985	0.51121	0.791493
Mettl7a1_j1	9.06673	8.44082	0	1	1
Dazap2	25.0248	24.2217	0	1	1
Scn8a_j1	1.57419	1.80876	0	1	1
Grasp_j1	1.98609	1.23143	-0.689603	0.0089196	0.0786254
Nr4a1_j4	5.99589	5.92322	0	1	1
6030408B16Rik_j1	0.0705963	0.120925	0.776443	0.527135	1
Tenc1_j3	3.31851	3.1491	0	1	1
Igfbp6_j1	6.58769	11.8225	0	1	1
Soat2_j4	1.55171	1.46508	-0.0828778	0.794389	0.931431
Zfp740_j2	1.40765	0.211426	0	1	1
Mfsd5_j1	24.4429	24.7987	0.0208492	0.84749	0.951788
XLOC_011290	0.0322246	0.0508482	0.658036	0.669154	1
Pfdn5	11.4855	13.9341	0.278811	0.0961952	0.382903
Myg1_j4	1.13807	2.0854	0.873731	0.046797	0.248163
Amhr2_j6	1.04651	1.0403	-0.00859545	0.985295	0.995689
Tarbp2_j3	3.2822	3.58876	0.128826	0.523721	0.799537
Hoxc10_j1	0.31206	0.425133	0.446088	0.550476	0.815351
Hoxc9_j3	0.218939	0.533966	0	1	1
Hoxc6_j1	2.29803	1.71438	0	1	1
Hoxc4_j3	0.278467	0.0613291	0	1	1
Nckap1l_j1	0.0764301	0.0483095	-0.661834	0.807629	1
AW549877	9.26167	7.87718	0	1	1
BC157982_j2	0.161182	0.0236956	-2.766	0.0836532	0.352594
Osmr_j3	6.29985	6.33844	0	1	1
Osmr_j5	3.94201	2.84093	0	1	1
Egflam_j2	0.509279	1.43181	0	1	1
Wdr70_j1	1.17281	0.914207	0	1	1
Wdr70	1.74713	1.77873	0	1	1
Slc1a3	0.567567	0.723998	0.351195	0.306512	0.65175
Skp2	0.000182808	0.237297	10.3421	0.769188	0.921491
Dnajc21	6.06116	4.40426	0	1	1
Rai14_j2	0.35629	0.65424	0	1	1
Pdzd2_j3	4.94652	3.95193	0	1	1
Pdzd2_j4	0.197878	0.53744	0	1	1
Pdzd2_j11	0.13672	0.038233	0	1	1
Cdh6_j2	0.0597819	0.107531	0	1	1
XLOC_011345	0.0182632	0.0509182	1.47924	0.432785	1
Fam105b_j2	1.2041	1.52692	0.34267	0.223363	0.570386

Fam105b_j1	0.249192	0.00178409	-7.12593	0.299179	0.646115
Fam105a_j1	0.129855	0.0336947	-1.94631	0.21915	1
Trio_j1	0.403427	0.745359	0	1	1
Trio_j4	0.0985762	0.128266	0	1	1
March6_j1	0.227068	0.531347	0	1	1
Rpl30_j4	2.93292	3.2504	0.148278	0.523699	0.799527
Hrsp12_j1	11.996	9.36161	-0.357723	0.141921	0.46851
Nipal2_j2	3.14152	3.74372	0.25301	0.125382	0.441136
Ankrd46_j2	7.23097	4.25899	0	1	1
Snx31	0.0849797	0.0288818	-1.55696	0.291755	1
Snx31	3.32E-06	0.13523	15.3152	0.994826	1
Pabpc1_j2	8.86164	14.094	0	1	1
XLOC_011367	0.12887	0.135773	0.0752809	0.955171	1
Ywhaz_j1	2.2531	2.17546	-0.0505868	0.790434	0.930178
Ncald	13.7797	12.1186	0	1	1
Rrm2b_j5	0.319547	0.200486	0	1	1
Ubr5_j1	2.07729	2.21332	0	1	1
Ubr5_j2	0.523644	1.93773	0	1	1
Azin1_j1	7.54596	8.59675	0.188086	0.132374	0.452706
Rspo2_j3	0.181085	0.100844	0	1	1
Eif3e_j1	16.9456	17.9734	0.0849565	0.473378	0.770096
Eif3e	0.301198	1.15762	1.94238	0.0002994	0.005336
Nudcd1_j2	1.45724	1.337	0	1	1
Sybu_j6	2.45784	4.90786	0	1	1
Kcnv1_j5	1.06967	1.50812	0	1	1
Ext1_j1	0.224288	0.946294	2.07694	0.003978	0.0427297
Samd12_j1	0	0.177984	0	1	1
Enpp2_j6	0.160835	0 -1.79769e+308	0.0001914	0.0036987	
Mrpl13_j4	0.0526986	0	0	1	1
Sntb1	1.52885	2.2014	0	1	1
Der1	8.45323	8.6961	0	1	1
Atad2_j5	0.0479558	0.112324	0	1	1
Tmem65_j2	0.104029	0.397803	0	1	1
E430025E21Rik	3.57463	1.72471	0	1	1
Asap1_j10	4.4641	5.46874	0	1	1
Asap1	4.04454	2.95341	0	1	1
Lrrc6_j1	0.000934156	0.0987265	6.72363	0.482266	1
Ndr1_j1	0	1.25473	0	1	1
St3gal1_j1	0.16255	0	0	1	1
Zfat_j3	0.0823076	0.0557574	-0.561862	0.578544	1
Trappc9_j1	23.903	22.6447	0	1	1
Ptk2_j1	0.87468	0.453393	0	1	1
Ptk2_j3	0.897988	0.617504	0	1	1
Ly6c1	1.64662	2.38418	0	1	1
Ly6h_j2	0.5105	0.4979	-0.0360551	0.96239	0.989501
Top1mt_j2	0.155231	0.0789143	-0.976055	0.0628672	0.296948
Top1mt_j3	0.085659	0.0792375	-0.112422	0.844209	1

Naprt1_j10	0.141106	0.0822283	-0.77907	0.476274	0.772016
Tsta3_j1	5.11321	6.2178	0.282175	0.345141	0.684606
2410075B13Rik	1.1141	0.993275	-0.165612	0.578662	0.830487
Scrib_j13	0.590129	0.914105	0	1	1
Puf60_j5	0.518231	0.626833	0	1	1
Puf60_j4	0.280186	0.234977	0	1	1
Nrbp2_j8	1.60063	1.62963	0	1	1
Sharpin_j2	10.4953	9.93221	0	1	1
Dgat1	1.78351	1.67483	-0.0907012	0.546395	0.81297
Fbxl6	4.47993	5.19469	0.213563	0.18131	0.521211
Cpsf1	0.491323	0.449784	0	1	1
Vps28_j1	2.67174	3.67721	0.460834	0.206928	0.551484
Cyhr1	19.7314	19.6442	-0.00638904	0.956758	0.987617
Cyhr1_j2	13.2309	11.6266	-0.186483	0.208056	0.55225
C030006K11Rik	2.95024	2.48254	-0.249015	0.289599	0.637033
Arhgap39_j9	8.10679	9.25846	0.191642	0.194456	0.536757
Arhgap39_j10	1.33338	1.33568	0.00249075	0.991532	0.99753
Arhgap39_j11	9.70859	8.31714	-0.223174	0.049419	0.256485
Zfp251	0.464315	0.455525	0	1	1
Apol9a	0.287713	0.361755	0.330383	0.554998	0.817944
Txn2_j1	35.3643	36.8759	0	1	1
Pvalb_j1	21.3591	7.17267	-1.57427	0	0
Pvalb_j5	1.41851	1.12901	-0.329316	0.526598	0.801166
Tmprss6_j1	0.124636	0.167016	0.422265	0.632105	0.856974
Tmprss6_j6	0.0771789	0.011367	-2.76335	0.629954	1
AK085438	0.143916	0.283212	0.976661	0.449024	0.755281
Card10	1.29507	1.06367	0	1	1
Lgals2_j1	0.880383	1.03426	0.232401	0.470494	0.768322
Sox10_j6	0.697466	1.26891	0	1	1
Pla2g6_j1	0.48474	0.599762	0	1	1
Pla2g6_j2	1.71366	0.972105	0	1	1
Csnk1e_j1	1.05115	0.885148	0	1	1
Ddx17_j1	25.236	26.7777	0	1	1
Ddx17_j2	7.11839	8.74909	0	1	1
Ddx17	22.9705	24.3957	0	1	1
4933432B09Rik_j6	0.0442874	0.211193	2.25359	0.0131304	0.104753
4933432B09Rik_j8	0.037221	0.0714644	0.941108	0.435649	1
4933432B09Rik_j7	0.0606469	0.172507	1.50815	0.0705166	0.319172
Sun2	0.293824	0.323263	0	1	1
Dnalc4_j1	1.43067	1.67258	0	1	1
Npcd	0.729803	0.574542	0	1	1
Cbx7_j3	3.06524	2.99547	0	1	1
Cbx7_j2	0	0.100548	0	1	1
Pdgfb_j4	0.955147	0 -1.79769e+308		9.82E-14	1.62E-11
Rpl3_j3	4.34244	4.28375	0	1	1
Rpl3_j4	72.6911	74.9736	0	1	1
Rps19bp1_j1	2.65248	2.14859	-0.303951	0.442096	0.750452

St13	47.748	43.7931	0	1	1
Rangap1_j2	31.5368	35.606	0	1	1
Rangap1	0.639335	1.23745	0	1	1
Tob2	4.02308	4.10131	0.0277826	0.828295	0.944579
Naga_j4	1.84004	1.96878	0.0975635	0.700107	0.8896
Tcf20_j1	3.84481	1.82729	0	1	1
Tcf20_j2	4.03728	4.31146	0	1	1
Rrp7a_j1	6.01355	6.26205	0	1	1
Poldip3	2.06227	1.3725	-0.587426	0.019004	0.136135
Cyb5r3_j6	2.04609	4.81415	0	1	1
Arfgap3_j2	0.375182	0.897693	1.25863	0.0049843	0.0506106
1700001L05Rik_j1	0.00216904	0.147139	0	1	1
Pacsin2_j5	1.76	0.871263	0	1	1
Pacsin2	13.9743	5.08025	0	1	1
Mcat_j1	2.64172	4.40508	0	1	1
Ttll12_j1	5.99558	5.74589	-0.06137	0.64302	0.862213
Ttll12_j2	0.149009	0.275841	0.888439	0.148645	0.477528
Efcab6_j5	0	0.0529499	1.79769e+308	0.173597	1
Sult4a1_j2	289.312	291.201	0	1	1
1810041L15Rik_j1	1.4398	0.678568	0	1	1
2210021J22Rik	3.88265	4.10151	0	1	1
Cerk_j4	3.3739	3.27207	0	1	1
Brd1_j2	3.06038	6.16855	0	1	1
Alg12_j2	0.402127	0.562368	0.483863	0.610335	0.846502
Ttll8_j3	0.0578838	0.0336842	-0.78109	0.662532	1
Mlc1_j3	1.04415	0.688205	0	1	1
Mapk11_j1	12.171	13.308	0	1	1
Mapk11_j2	25.722	28.4973	0	1	1
Plxnb2_j1	1.6651	0.714572	0	1	1
Fam116b_j6	2.6872	2.59229	0	1	1
Fam116b_j7	4.10752	3.5642	0	1	1
Fam116b_j8	0.149385	0.0554035	0	1	1
Lmf2	6.17802	6.24188	0	1	1
Tymp_j2	0.224	0.00398089	0	1	1
Odf3b_j2	0.054788	0.0438308	-0.321915	0.819669	1
Cpt1b_j14	0.0355455	0.0499717	0.491445	0.764818	1
Chkb_j2	4.2631	4.57801	0	1	1
Kif21a_j10	26.8922	27.5178	0	1	1
Kif21a_j11	0.297162	0.137114	0	1	1
Kif21a_j9	10.1171	13.4208	0	1	1
Zcrb1_j3	3.09977	3.21428	0	1	1
Prickle1_j2	0.895431	1.06281	0.247229	0.277457	0.62639
Adamts20	0.320565	0.338883	0.0801706	0.857783	0.954916
Twf1_j1	0.558438	0.3504	-0.672395	0.0919752	0.37296
AK163711_j3	0.10462	0.157562	0.590762	0.555104	0.818015
Scaf11_j3	1.03593	1.67958	0.697168	0.0001341	0.0027368
Slc38a1	1.36526	4.2164	0	1	1

Slc38a1	2.00531	2.13068	0	1	1
Slc38a2_j2	1.99021	3.36976	0	1	1
Rapgef3	0.416482	0.356346	-0.224973	0.551158	0.815748
Zfp641	0.230837	0.146828	-0.652745	0.248986	0.596471
2310037I24Rik_j5	0.728098	0.949852	0.383569	0.170178	0.507195
2310037I24Rik_j7	0.0914013	0 -1.79769e+308	0.0174781		1
2310037I24Rik_j6	0.0806814	0.0708467	-0.187535	0.883869	1
Adcy6_j5	0.0549281	0.0201955	-1.44351	0.529266	1
Adcy6_j6	0.706948	0.43204	-0.710439	0.029551	0.183907
Adcy6	0.18993	0.208334	0.133428	0.784482	0.927523
Mll2_j6	0.812188	1.06752	0.394377	0.014833	0.11397
Mll2_j10	0.283941	2.83E-05	-13.2904	0.970202	0.991582
Rhebl1_j3	5.94476	5.91582	0	1	1
Mcrs1_j5	0.570402	0.85818	0.589301	0.186982	0.527962
Nckap5l_j4	5.15244	5.27174	0	1	1
Faim2	7.83639	4.7713	-0.715807	7.57E-08	4.24E-06
Racgap1_j2	0.113685	0.239705	1.07623	0.092012	0.373078
Lass5_j1	0.172431	0.377089	0	1	1
Lass5_j2	5.27941	4.84206	0	1	1
Lima1_j2	0.113062	0.0378961	0	1	1
Gm9763	9.74643	8.4894	-0.199211	0.457084	0.760257
Slc11a2_j1	1.06027	0.48882	0	1	1
Tcfcp2_j4	2.22886	2.42227	0	1	1
Tcfcp2_j2	2.82325	2.18152	0	1	1
Cela1	12.9917	15.8074	0.283014	0.0339413	0.201735
Galnt6	0.818641	0.643782	0	1	1
AK038079	0.0801564	0 -1.79769e+308	0.0597927		1
AK039268_j1	0	0.0805343 1.79769e+308	0.105704		1
AK039268	0.0795715	0.137015	0.784008	0.402915	1
Krt1_j1	0.785799	0.843981	0.10305	0.820317	0.941821
Spryd3_j4	0.0688846	0.0143342	0	1	1
Csad_j4	0.0588451	0.0655772	0	1	1
Rarg_j5	0.666061	0.943593	0	1	1
Map3k12_j1	0.576467	0.380239	0	1	1
Cbx5	1.27352	1.34508	0.0788641	0.64988	0.865521
Zfp385a	7.44708	4.34483	0	1	1
Itga5_j5	0.0296904	0.110643	0	1	1
Itga5	0.228136	0.438253	0	1	1
Ppp1r1a_j1	1.98738	1.80099	-0.142077	0.668136	0.874424
Heatr7b2_j1	0.136937	0.110709	-0.306739	0.752016	1
Rpl37_j4	11.2712	10.117	0	1	1
Fyb_j6	0.280414	0.667765	1.25178	0.0025962	0.0307386
Rictor_j3	0.449784	0.1151	-1.96634	0.0003228	0.0056848
2410089E03Rik_j5	0.0715468	4.15E-05	-10.7521	0.872106	1
2410089E03Rik_j8	0.102595	0.100789	-0.0256226	0.961367	1
2410089E03Rik_j19	2.69614	4.09346	0.602426	0.0086568	0.0769773
XLOC_010947	0.320126	0.254682	-0.329941	0.350054	0.687648

Lmbrd2_j2	0.439174	0.370292	0	1	1
Gm19276_j1	0.138738	0.107372	-0.369745	0.573373	0.827542
XLOC_010955	0.150855	0.167574	0.151642	0.833307	0.946329
Adamts12_j1	0.0832748	0.0347655	-1.26022	0.57063	1
Zfr_j4	10.3892	12.8265	0	1	1
Mtmr12_j1	0.0944483	0.000681871	-7.11388	0.326349	1
Mtmr12_j2	0.137549	0.200118	0.540905	0.266407	0.615515
XLOC_010965	0.0614509	0.0118128	-2.37909	0.221672	1
Cdh18_j2	1.92738	1.16344	-0.728246	0.0134717	0.10662
Myo10_j2	0.184752	0.350675	0	1	1
Myo10_j5	2.98663	5.04626	0	1	1
Fam134b_j1	24.7333	20.6441	0	1	1
March11_j2	0.603483	0.403086	-0.582225	0.0622652	0.295391
March11_j5	5.03512	4.70108	-0.0990344	0.730585	0.904795
XLOC_010973	0.138579	0.167515	0.273585	0.725514	0.902457
Ank_j2	8.55885	9.92164	0	1	1
XLOC_010978	0.223673	0.173225	-0.368741	0.710675	0.894752
Cmb1_j3	0.00454109	0.140192	4.94822	0.51021	1
XLOC_010981	0.288398	0.247859	-0.218541	0.665803	0.873346
Mtdh_j1	0.0344927	0.0653477	0	1	1
Laptn4b_j1	0.112321	0.752387	0	1	1
Matn2_j3	3.43296	4.56757	0	1	1
Osr2_j2	0.0637878	0.131674	1.04561	0.340951	1
Vps13b	0.359967	0.266819	-0.432005	0.1011	0.393646
Spag1_j1	0.113635	0.109246	-0.0568192	0.903935	1
Dcaf13_j3	0.437156	0.30588	0	1	1
Rims2_j7	0.524205	0.0690101	-2.92525	5.42E-05	0.0012764
XLOC_011007	0.123103	0.0572124	-1.10546	0.496491	1
Zfpm2_j1	0.0619995	0 -1.79769e+308	0.0015327	0.0015327	1
Oxr1_j1	0.62404	1.71942	1.46221	2.35E-06	8.76E-05
Ttc35_j1	27.5868	27.7276	0.00734596	0.951977	0.986165
XLOC_011022	0.0706812	0.0578592	-0.288781	0.833589	1
Wdr67_j2	0.00380025	0.180879	5.57279	0.0367154	0.211904
Wdr67_j5	0.14722	0 -1.79769e+308	0.0001068	0.0001068	0.0022791
D15Ert621e_j3	8.56315	9.14553	0	1	1
Trib1_j1	2.49676	2.84777	0.18978	0.314053	0.658298
Pvt1_j3	0.140111	0.125373	-0.160335	0.79535	0.931782
Pvt1_j2	0.363724	0.000113415	-11.647	0.785227	0.927978
Pvt1_j1	0.119153	0 -1.79769e+308	0.0001289	0.0001289	1
XLOC_011047	11.8848	11.8444	-0.00491909	0.977786	0.993579
Efr3a_j2	1.26624	0.820775	0	1	1
XLOC_011050	9.51912	11.3133	0	1	1
Phf20l1_j8	0.415424	0.295394	0	1	1
Phf20l1_j9	0.0289997	0.0498146	0	1	1
Khdrbs3_j4	16.0896	18.9004	0	1	1
XLOC_011059	0.159769	0.171097	0.0988203	0.91779	0.9744
mKIAA0870_j5	0.111302	0 -1.79769e+308	0.0180724	0.0180724	1

mKIAA0870_j10	0.316755	0.218412	-0.536314	0.40508	0.726949
Bai1_j2	0.79304	0.293367	-1.43469	8.92E-05	0.0019463
Ly6e	0	0.526374	0	1	1
Ly6e_j3	0.151293	0.106449	0	1	1
Ly6e_j4	10.2655	16.9104	0	1	1
Gsdmd_j1	0.203187	0.149854	-0.439251	0.547605	0.813768
AK158547	0.361448	0.425432	0.235138	0.39815	0.722336
Grina_j3	2.32561	2.43478	0.0661869	0.830661	0.945436
XLOC_011089	0.104603	0.0389161	-1.42649	0.484794	1
XLOC_011089	0.0864854	0.0905659	0.0665105	0.952381	1
XLOC_011089	0.17752	0.0089714	-4.30651	0.136285	0.459302
Brp16_j2	4.02E-05	0.200994	12.287	0.963797	0.989793
Scx	1.74088	1.33576	-0.382149	0.0342962	0.202965
Hsf1_j3	2.11103	2.27068	0.105174	0.357124	0.693052
Hsf1_j2	0.164856	0.142893	-0.206272	0.453056	0.757983
Kifc2_j7	0.275228	0.00168025	0	1	1
Ppp1r16a_j13	0.4667	0.472183	0.0168517	0.953862	0.98656
Ppp1r16a_j14	3.05263	2.57491	-0.245531	0.332805	0.673923
Mfsd3	4.05229	4.11147	0.0209179	0.902286	0.968814
Rpl8_j1	0.547296	0.39129	0	1	1
Rpl8_j3	117.189	143.594	0	1	1
1110038F14Rik_j2	2.69003	3.96832	0.560908	0.0350385	0.205809
XLOC_011105	0.160661	0.0557071	-1.52809	0.196504	0.53931
XLOC_011106	0.218639	0.208038	-0.0717043	0.882584	0.962648
Ncf4	0.183812	0.453986	1.30441	0.0145493	0.112446
Ncf4_j3	0.266289	0.358762	0.43003	0.688471	0.884206
Csf2rb_j4	0.435725	0 -1.79769e+308		1.01E-17	2.70E-15
Gga1_j1	5.52651	5.8983	0.0939312	0.588128	0.835359
Lgals1_j3	14.8077	25.0403	0.757903	0.0005076	0.0082426
XLOC_011121	0.133258	0.0745662	-0.837626	0.415237	1
Eif3l_j3	34.2827	34.5194	0.0099255	0.921904	0.975553
Gm10863_j2	0.141793	0.188824	0.413255	0.351971	0.689134
Gm10863_j4	0.185349	0.536466	1.53324	6.61E-06	0.0002166
Pick1_j3	1.01086	0.888387	-0.186323	0.663813	0.872653
Maff_j2	0.38818	0.349691	0	1	1
Kdelr3	3.54846	3.9714	0	1	1
Cby1_j3	9.37685	9.45026	0.0112497	0.932423	0.979529
Apobec3_j2	0.291146	0.200723	0	1	1
XLOC_011140	0.219805	0.214514	-0.0351511	0.946933	0.98431
Tab1_j2	0.638167	1.28882	1.01404	0.0020591	0.0255766
Smcr7l	0.945746	0.307674	0	1	1
Smcr7l_j1	0.441944	0.385094	0	1	1
Atf4_j1	29.3339	42.6909	0	1	1
Cacna1i_j7	0.604172	0.154538	-1.967	9.56E-07	3.98E-05
XLOC_011148	0.108117	0.125894	0.219606	0.734395	1
Tnrc6b_j2	0.527137	0.217781	-1.2753	0.0002793	0.0050423
Tnrc6b_j3	0.0587447	0.0298172	-0.978312	0.32867	1

Ep300_j3	3.07525	3.44766	0	1	1
Tef_j1	3.32923	3.68408	0.146114	0.654424	0.867888
Aco2_j2	0.0711629	0.0513888	-0.469673	0.727648	1
Csdc2_j1	0.675107	1.61015	1.254	1.39E-05	0.0004098
Srebf2_j2	17.3782	19.8659	0	1	1
Pnpla3_j1	6.2716	5.35233	-0.228666	0.0469755	0.24858
Parvb_j2	0.230068	0.129606	0	1	1
Parvg_j3	0.170882	0 -1.79769e+308		0.0001817	0.0035424
Atxn10_j2	3.13809	5.70414	0	1	1
XLOC_011191	0.244224	0.225423	-0.11557	0.714727	0.896683
Ppara_j1	0.141027	0.0603744	-1.22397	0.24945	0.596861
Trmu_j4	0.138594	0.0610759	-1.18219	0.148367	0.477277
Gramd4_j3	7.55154	6.91326	0	1	1
Tbc1d22a_j3	2.85023	2.86692	0.00842214	0.966932	0.990574
Tbc1d22a_j6	0.0710596	0 -1.79769e+308		0.02706	1
Trabd	8.98634	9.84986	0.13237	0.276184	0.624943
Ppp6r2	8.15348	7.37894	0	1	1
Ncaph2_j3	0.999509	1.42346	0	1	1
Mapk8ip2_j1	1.9528	1.87478	0	1	1
Shank3_j1	0.147614	0.074972	-0.977401	0.198497	0.541655
Cntn1	48.7893	36.3715	0	1	1
AK035742_j1	0.140662	0 -1.79769e+308		0.0075513	0.0697435
Pphln1_j1	0.0835881	0.0247752	0	1	1
Pphln1_j2	0.228515	0.0697064	0	1	1
Tmem117_j1	5.71079	5.73616	0	1	1
Ano6_j2	12.6886	17.0694	0	1	1
Gm4371_j4	0.37332	0 -1.79769e+308		6.46E-06	0.0002119
Pfkm_j2	1.16024	2.48084	0	1	1
Cacnb3	30.4312	28.5362	0	1	1
Ccdc65_j3	0.351958	0.156885	-1.1657	0.0775869	0.337104
Ccdc65_j2	0.0658347	0 -1.79769e+308		0.0183575	1
XLOC_011249	0.41228	0.32259	-0.353921	0.59234	0.837831
XLOC_011252	0.339564	0.335338	-0.0180655	0.946896	0.984306
Prph_j5	577.693	744.428	0	1	1
Spats2_j2	0.0718399	0	0	1	1
Kcnh3	0.143645	0.0857152	-0.744882	0.266773	0.615745
Tmbim6_j2	3.75902	22.7574	0	1	1
XLOC_011260	0.152988	0.0861617	-0.828303	0.212562	0.557606
XLOC_011260	0.141727	0.0306767	-2.20791	0.0823677	0.349625
Smarcd1_j2	4.0476	3.67417	-0.139648	0.265236	0.614072
Gpd1_j1	3.26538	3.12696	0	1	1
Atf1_j1	0.289222	0 -1.79769e+308		0.118043	0.427653
Dazap2_j5	19.6303	28.8673	0	1	1
Slc4a8_j1	0.234158	0.0454989	0	1	1
XLOC_011277	0.243287	0.106579	-1.19073	0.201307	0.544759
Nr4a1_j1	0.738992	0.1354	0	1	1
Nr4a1_j3	0.17171	0.562044	0	1	1

AK138921_j1	0.19279	0.206417	0.0985289	0.829572	0.944941
Tenc1_j5	0.254715	0.194182	0	1	1
Tenc1_j8	0.417294	0.572911	0	1	1
Zfp740_j1	0.173273	0.172535	0	1	1
Zfp740_j7	1.1157	0.872105	0	1	1
Myg1_j3	6.30597	4.99625	-0.335874	0.147857	0.476517
Pcbp2_j1	0.112173	0 -1.79769e+308		8.60E-05	1
AK043982_j1	0.111795	0.108065	-0.0489539	0.936956	1
Hoxc9_j2	0.634128	0.367908	0	1	1
Nckap1l	0.548037	1.16726	1.09078	7.06E-08	4.00E-06
Pde1b	0.912149	0.731016	-0.319367	0.0544714	0.27224
Ghr_j1	0.978673	1.31221	0	1	1
Fbxo4_j2	1.73696	2.29246	0.400329	0.167851	0.50444
Fbxo4	0.851821	0.948859	0.155643	0.491964	0.780786
AW549877_j2	0.998038	0	0	1	1
Card6_j1	0.123294	0.175039	0	1	1
Osmr_j6	0.234345	0.331938	0	1	1
Osmr_j7	0.882281	1.87972	0	1	1
Egflam_j3	0.653388	0.254888	0	1	1
Wdr70_j2	1.84425	2.7947	0	1	1
Wdr70_j3	2.48648	2.3376	0	1	1
Nipbl_j1	0.0721115	0.0418555	-0.784813	0.195541	1
Skp2_j1	0.144203	0.150367	0.0603924	0.940355	0.981884
Skp2_j2	0.285901	0 -1.79769e+308		7.45E-08	4.18E-06
Skp2	0.296645	0.102853	-1.52816	0.278925	0.627636
Spef2_j1	0.125472	0.0437828	-1.51893	0.173484	1
XLOC_011329	0.0907704	0 -1.79769e+308		0.0113013	1
XLOC_011329	0.0950168	0.132946	0.484588	0.61553	1
Pdzd2_j2	0.166542	0.104612	0	1	1
Cdh6_j3	0.111716	0	0	1	1
XLOC_011342	0.159502	0.0461756	-1.78837	0.125092	0.440565
Fam105b_j4	0.000425578	0.353736	9.69903	0.790285	0.930148
Trio_j3	0.431786	0.510507	0	1	1
Trio_j11	2.57052	1.31989	0	1	1
Trio_j12	0.0922321	0	0	1	1
March6_j3	0.624951	0.396112	0	1	1
Stk3_j1	2.59547	2.65817	0	1	1
Stk3	0.437794	0.780084	0	1	1
Rnf19a_j2	2.743	4.36378	0	1	1
Pabpc1_j1	6.47846	8.04167	0	1	1
Ywhaz_j2	1.57682	1.43841	-0.132543	0.511046	0.791357
Zfp706_j3	9.7183	9.58558	0	1	1
Ncald_j2	6.5127	3.21294	0	1	1
Ncald_j3	5.36663	2.41802	0	1	1
Rrm2b_j1	9.1016	7.48225	0	1	1
Ubr5_j4	7.585	8.82015	0	1	1
XLOC_011373	0.107627	0 -1.79769e+308		0.0489934	1

Klf10_j3	0.475876	1.11444	0	1	1
XLOC_011375	0.156132	0.0579097	-1.43089	0.366143	0.70002
XLOC_011383	0.107119	0 -1.79769e+308		0.0220642	1
Angpt1_j1	0.399674	0.0489486	-3.02948	0.0024755	0.0296163
Angpt1	0.627733	0.32639	-0.943557	0.0033435	0.0375262
Rspo2_j7	1.66245	1.53277	0	1	1
Rspo2_j6	2.11409	2.77879	0	1	1
Rspo2_j5	3.20684	3.0683	0	1	1
Eif3e_j4	1.21024	0 -1.79769e+308		1.52E-11	1.78E-09
Sybu_j2	0.519439	0	0	1	1
Sybu_j3	1.18798	1.66632	0	1	1
Sybu	3.18827	0	0	1	1
XLOC_011392	0.189844	0.00733379	-4.69411	0.0398927	0.223411
Kcnv1_j1	0.878075	0.00148506	0	1	1
Kcnv1_j2	1.71907	1.62678	0	1	1
Csmd3_j3	0.184277	0.127605	-0.530197	0.253933	0.602136
Csmd3_j9	0.173823	0.124955	-0.476211	0.580505	0.831592
Csmd3_j10	0.135569	0 -1.79769e+308		0.0139492	1
Trps1_j1	0.10602	0.0341775	-1.63322	0.207795	1
Trps1_j2	0.0526726	0 -1.79769e+308		0.0180031	1
Trps1_j3	0.0664461	0 -1.79769e+308		0.0079332	1
Samd12_j3	0.385724	0.0663987	0	1	1
Enpp2	0.991703	0.364059	-1.44574	0.0002612	0.0047803
Taf2_j3	2.1229	2.63389	0.311159	0.129191	0.44794
Dscc1_j2	0.109298	0 -1.79769e+308		0.0612182	1
Mrpl13_j1	5.04859	7.53892	0	1	1
Sntb1_j1	8.37326	4.6148	0	1	1
XLOC_011409	0.118142	0.122637	0.0538767	0.936294	1
Zhx1_j1	8.48339	7.87023	0	1	1
Atad2_j1	0.384948	0.239277	0	1	1
Fbxo32_j1	0.359898	0.153848	-1.22608	0.0042183	0.0445502
Tmem65_j3	22.2341	17.6635	0	1	1
Fam84b_j1	0.204981	0.158343	-0.372444	0.423313	0.738697
Fam84b	0.118113	0.0988475	-0.256896	0.653745	1
Fam49b_j6	5.03813	5.62651	0	1	1
Fam49b_j7	11.1625	9.06312	0	1	1
Asap1_j1	0.460709	0.544522	0	1	1
Asap1_j9	2.78227	1.55223	0	1	1
Asap1_j12	0.484567	0.0903226	0	1	1
XLOC_011430	0.0821278	0.0886356	0.110016	0.930752	1
Ndrg1_j3	12.5082	10.4508	0	1	1
Zfat_j4	0.126365	0 -1.79769e+308		3.97E-05	1
XLOC_011435	0.177996	0.132274	-0.428312	0.620971	0.851431
Col22a1_j1	0.217023	0.00321836	-6.07537	0.408575	0.728884
Kcnk9_j1	0.209281	0.120573	-0.795541	0.103602	0.399115
Trappc9_j2	36.0004	31.9455	0	1	1
Eif2c2	0.522813	0.683636	0.386935	0.0540968	0.27108

Ptk2_j8	0.16397	0.069069	0	1	1
Ptk2_j10	0.718688	0.568942	0	1	1
Ly6a	3.34706	3.34322	0	1	1
Ly6c1_j2	6.83218	4.3971	0	1	1
Ly6c1_j3	3.27143	4.83386	0	1	1
Ly6h_j1	0.208531	0 -1.79769e+308	0.0329768	0.197894	
Top1mt_j1	3.72999	4.00968	0.104316	0.565416	0.823805
Naprt1_j2	0.0316386	0.105558	1.73827	0.052262	1
Naprt1_j3	0.508757	0.526748	0.0501383	0.868609	0.958331
Pycrl_j3	0.474526	0.0369087	-3.68445	0.0406741	0.226309
Scrib_j6	1.30071	1.05322	0	1	1
Scrib_j8	0.356379	0.524046	0	1	1
Scrib_j7	0.194643	0.196953	0	1	1
Scrib_j9	0.0924725	0.17017	0	1	1
Puf60	0.0904064	0.181128	0	1	1
Nrbp2_j6	0.278906	0.314581	0	1	1
Nrbp2_j7	0.689967	0.54378	0	1	1
Plec_j4	0.445269	0.386984	-0.202401	0.330873	0.672637
Sharpin_j1	8.30893	7.52162	0	1	1
Bop1_j2	3.71355	4.41491	0	1	1
Dgat1_j1	0.621759	0.700415	0.171855	0.322245	0.665214
Dgat1_j3	1.61195	0.846521	-0.929186	1.46E-07	7.50E-06
Cpsf1_j3	0.137441	0.184874	0	1	1
Cpsf1_j4	0.435475	0.435	0	1	1
Vps28_j7	5.38768	6.52577	0.276485	0.2095	0.553795
Vps28_j6	1.02848	1.75772	0.773195	0.072662	0.324334
Vps28_j5	0.290608	0.0543226	-2.41945	0.14537	0.473254
Recql4_j5	0.526716	0.494911	-0.0898549	0.808927	0.937258
Recql4_j6	0.742393	0.707001	-0.0704707	0.69248	0.886124
Zfp251_j2	2.31066	2.87965	0	1	1
Rbfox2	3.17693	2.05525	0	1	1
Apol8_j2	0.1554	0.181226	0.221804	0.724423	0.901947
Myh9_j3	6.10148	5.41137	0	1	1
Myh9_j6	0.808431	0.077921	0	1	1
Foxred2_j1	0.159751	0.0662813	-1.26915	0.178663	0.518187
Foxred2_j3	0.177594	0 -1.79769e+308	3.71E-07	1.71E-05	
XLOC_011494	0.104932	0.0507073	-1.04919	0.407333	1
Pvalb	10.6509	2.92231	-1.86579	2.89E-15	5.91E-13
1700088E04Rik_j2	0.378807	0.445763	0	1	1
Sox10_j1	7.75838	7.88822	0	1	1
Sox10_j2	12.2675	12.452	0	1	1
Pla2g6_j4	0.000679781	1.32879	0	1	1
Pla2g6_j5	0.966635	1.58852	0	1	1
Tmem184b_j2	8.96709	10.951	0	1	1
Ddx17_j6	7.6551	5.65579	0	1	1
Ddx17_j5	0.360184	0.54749	0	1	1
Dmc1_j2	0.146529	0.249336	0.766907	0.193344	0.535696

4933432B09Rik_j2	0.0905545	0.0762553	-0.247949	0.798995	1
4933432B09Rik_j9	0.28273	0.180132	-0.650372	0.481079	0.774779
Npcd_j2	0.560353	0.161495	0	1	1
Cbx7_j5	0.624721	0.310477	0	1	1
Cbx7	1.759	1.06632	0	1	1
Pdgfb_j5	1.40606	1.8724	0.41323	0.116488	0.424494
XLOC_011528	0.371041	0.0805427	-2.20375	0.495255	0.782763
Mkl1_j1	0.435896	0.432682	-0.010678	0.964558	0.989999
St13_j1	15.5002	13.0291	0	1	1
AK045688	0.193643	0.10056	-0.945353	0.269927	0.619064
Tob2_j3	0.0559881	0.184004	1.71654	0.010016	0.0856717
Polr3h_j1	0.0762192	0.0196838	-1.95314	0.0549665	1
Nhp2l1	13.4039	12.3242	0	1	1
Cenpm_j1	0.592667	0.390285	-0.602693	0.296378	0.643089
Cyp2d22_j4	0.472288	0.557852	0.240214	0.5986	0.840853
Nfam1	0.235141	0.334916	0.510274	0.250123	0.597712
Cyb5r3_j1	23.7221	33.6457	0	1	1
Cyb5r3	4.88172	2.7289	0	1	1
Arfgap3_j3	6.14115	6.98088	0.184899	0.199617	0.542596
1700001L05Rik_j4	1.44655	0.874469	0	1	1
Mcat_j3	0.471302	0.107744	0	1	1
Ttll12_j3	2.01237	1.37798	-0.546343	0.0828128	0.350783
Efcab6_j3	0.2382	0.414914	0.800641	0.161242	0.496147
Sult4a1_j1	2.31477	4.1282	0	1	1
1810041L15Rik	1.43948	0.798806	0	1	1
Phf21b	0.0270595	0.294478	3.44395	0.0005441	0.0087585
Phf21b	0.123867	0.111797	-0.147907	0.835379	1
Cerk_j1	0.246909	0.397072	0	1	1
Brd1	3.18536	3.96986	0	1	1
Mlc1_j1	2.81448	2.9693	0	1	1
Mlc1_j2	6.3039	5.2425	0	1	1
XLOC_011580	0.367352	0.198414	0	1	1
Hdac10_j4	1.62562	1.84978	0	1	1
Hdac10_j3	0.373396	0.630922	0	1	1
Hdac10_j5	0.317988	0.333351	0	1	1
Plxnb2_j2	2.50368	3.58288	0	1	1
Fam116b	0.0921072	0.201819	0	1	1
Fam116b_j9	0.0937205	0.0455411	0	1	1
Sbf1_j1	3.13665	3.2762	0	1	1
Sbf1_j11	0.0823772	0.0572897	0	1	1
Lmf2_j3	0.107237	0	0	1	1
Tymp_j1	2.06363	1.776	0	1	1
Odf3b_j4	0.145931	0.0863854	-0.756429	0.431585	0.743686
Cpt1b_j4	0.0922357	0 -1.79769e+308	0.0012562	0.0012562	1
Rabl2_j3	2.14425	2.13634	0	1	1
Cpne8_j5	1.38701	1.19469	-0.215345	0.454417	0.758641
Kif21a_j1	1.35911	0	0	1	1

Kif21a_j2	7.04428	16.099	0	1	1
Kif21a_j3	0.441895	0	0	1	1
Abcd2_j3	2.12716	0.991742	0	1	1
Gxylt1_j1	0.121545	0.189225	0.63861	0.217503	0.563556
Gxylt1_j4	0.342617	0.0208739	-4.03682	0.38143	0.711932
Gxylt1_j5	0.134528	0.0979898	-0.457203	0.393266	1
Adamts20_j10	0.11456	0.0250487	-2.19329	0.138662	1
Adamts20_j14	0.154428	0.0978604	-0.658134	0.268306	0.61709
Twf1_j3	12.6823	13.3993	0.0793415	0.460085	0.76171
Twf1_j4	1.0073	1.61457	0.68065	0.0125092	0.101222
Nell2_j1	0.348796	0.535953	0	1	1
Dbx2_j6	0.20919	0.0993943	-1.07358	0.642822	0.862213
XLOC_011611	0.631209	0.672437	0	1	1
AK163711_j2	0.139347	0 -1.79769e+308	0.0126309	0.101902	
Scaf11_j1	0.133521	0 -1.79769e+308	1.96E-07	1	
Slc38a1_j1	2.5546	0.018393	0	1	1
Slc38a2_j1	0.587173	0.23245	0	1	1
Rapgef3_j3	0.199593	0.152812	-0.385303	0.522062	0.798655
Senp1_j1	0.236406	0.216154	-0.129206	0.742644	0.90994
Senp1_j2	1.24163	1.35407	0.125067	0.436068	0.746763
Asb8_j1	12.2099	13.0688	0	1	1
Ccnt1_j3	0.0779828	0.0298337	0	1	1
Adcy6_j11	0.0626628	0 -1.79769e+308	0.077483	1	
Adcy6_j13	0.183909	0 -1.79769e+308	1.59E-05	0.0004596	
Fkbp11	0.261004	0.307992	0.238824	0.532391	0.804231
Arf3_j2	13.6253	21.1151	0	1	1
Prkag1_j3	1.44142	1.07816	-0.418928	0.31838	0.66179
Prkag1_j4	0.0571405	0.176967	1.6309	0.178907	0.518526
Mll2_j5	5.45201	5.86185	0.104569	0.401238	0.724532
Rhebl1_j4	2.11347	3.34548	0	1	1
Lmbr1_j5	0.382499	0.494292	0	1	1
Mcrs1_j1	0.690605	0.735216	0.0903079	0.806273	0.935928
Fmnl3_j1	0.652075	0.531645	-0.294573	0.38152	0.711932
Nckap5l_j2	1.38386	0.013691	0	1	1
Nckap5l_j1	0.000362291	0.966063	0	1	1
Faim2_j2	1.66277	4.59452	1.46633	7.55E-15	1.46E-12
Racgap1_j1	0.173631	0 -1.79769e+308	8.60E-05	0.0018834	
Racgap1_j6	0.195307	0.0593762	-1.71779	0.0703325	0.318545
Lass5_j3	7.0811	8.94094	0	1	1
Lass5_j9	1.72127	1.03075	0	1	1
Slc11a2_j2	0.986909	0.0701439	0	1	1
Csrnp2_j1	0.110426	0.163885	0.569605	0.362128	0.696456
Tcfcp2_j10	0.88523	0.766559	0	1	1
Tcfcp2_j11	0.516898	0.27094	0	1	1
Pou6f1_j1	2.15331	2.78	0	1	1
BC141885_j5	0.0598252	7.64E-05	-9.61218	0.974882	1
Cela1_j1	0.27612	0.874948	1.6639	0.0116251	0.0957862

Galnt6_j2	0.23314	0.0105211	0	1	1
Rarg_j1	1.33021	1.38988	0	1	1
Rarg	0.627379	0.371314	0	1	1
Map3k12	0.469454	0.495168	0	1	1
Atf7	1.44887	1.39484	-0.0548298	0.767553	0.920744
Cbx5_j1	7.60772	9.38412	0.302758	0.0445306	0.240823
Oxct1_j1	28.8247	33.8054	0	1	1
Plcx3_j1	9.63935	8.32808	0	1	1
Ttc33_j2	0	0.249971	0	1	1
Fyb_j1	0	0.758878	1.79769e+308	1.24E-12	1.75E-10
Fyb_j4	0	0.0570804	1.79769e+308	0.0223523	1
Rictor_j4	0.3496	0.644816	0.88318	0.113666	0.419374
2410089E03Rik_j4	0.0482976	0	-1.79769e+308	0.0008311	1
2410089E03Rik_j3	0.107356	0.128274	0.256826	0.600668	1
2410089E03Rik_j12	1.70915	2.0534	0.264731	0.247162	0.594674
Capsl	0.22668	0.109854	-1.04507	0.25321	0.601204
Prlr	0.161338	0.265654	0.719464	0.163744	0.499255
Golph3_j1	13.0575	10.3872	0	1	1
Drosha_j1	0.76715	1.12139	0	1	1
Cdh9_j3	0.101166	0.135558	0	1	1
Cdh10_j1	0.0754551	0.527162	2.80456	3.50E-08	2.15E-06
Myo10	1.29509	1.31868	0	1	1
Myo10_j6	2.69227	5.91192	0	1	1
Zfp622_j1	13.0583	13.5448	0.052779	0.794833	0.931484
Ctnnd2_j7	2.17936	2.86401	0	1	1
Dap_j1	5.07044	5.35465	0.0786833	0.693945	0.88705
Pgcp_j1	1.82628	2.13316	0.224087	0.42066	0.736821
Vps13b_j2	0.144683	0.243663	0.751991	0.0223967	0.152567
Spag1_j5	0.210947	0.149328	-0.498391	0.410957	0.730555
XLOC_010995	0	0.206231	1.79769e+308	0.0083444	0.0748829
XLOC_010995	0.0947084	0.204022	1.10716	0.229417	0.576488
XLOC_010995	0.10572	0.116206	0.13643	0.914268	1
Rims2_j4	0	0.0822756	1.79769e+308	0.0006711	1
Rims2_j6	0	0.126973	1.79769e+308	7.79E-05	1
Rims2_j8	0.217516	0.161403	-0.430456	0.278711	0.627544
XLOC_011007	0	0.155297	1.79769e+308	0.0026797	1
Oxr1_j2	12.1439	7.3883	-0.716919	1.10E-07	5.83E-06
Oxr1_j3	12.4757	7.22351	-0.788344	1.73E-11	2.01E-09
Ebag9	0.588346	0.595911	0	1	1
A930017M01Rik_j1	0.316341	0.244683	-0.37057	0.411441	0.730688
XLOC_011018	2.84754	3.07307	0.109962	0.597507	0.840295
XLOC_011019	0.0944584	0.138192	0.548927	0.510734	1
Mal2_j1	0	0.366942	1.79769e+308	0.0004911	0.0080248
Deptor_j3	1.42429	4.64299	0	1	1
Col14a1_j4	0.0474147	0.418633	3.14228	5.14E-08	3.01E-06
Wdr67_j3	0.0528224	0.0362907	-0.54155	0.673368	1
Wdr67_j12	0	0.117006	1.79769e+308	0.0667847	1

Fer1l6_j2	0.0512153	0.17242	1.75128	0.113671	0.419374
Pvt1_j4	0.301153	0.550032	0.869019	0.0128776	0.103413
Efr3a_j4	0	0.191717	0	1	1
XLOC_011051	0.056774	0.218163	1.94211	0.227608	0.574755
Phf20l1_j1	0	0.118067	0	1	1
Wisp1_j2	0.354704	0.383723	0.11345	0.739259	0.908465
Wisp1	0.0792125	0.273381	1.78711	0.0008055	0.0120371
Khdrbs3_j3	2.31654	4.84133	0	1	1
Chrac1_j1	0.0731882	0.0575586	-0.34658	0.558798	1
mKIAA0870_j6	0.0780211	0.0617552	-0.337305	0.797803	1
mKIAA0870_j9	0.236466	0.138903	-0.767555	0.287544	0.635654
mKIAA0870_j11	0	0.0635565	1.79769e+308	0.122163	1
Ptp4a3	1.12819	1.41394	0.325709	0.311444	0.656133
Ptp4a3_j1	0.155075	0.337327	1.12118	0.214184	0.559534
Ptp4a3_j2	0	0.153738	1.79769e+308	0.059615	1
Bai1_j4	0.889465	1.10923	0.318554	0.172575	0.510021
Bai1_j6	3.2354	2.97003	-0.123466	0.570584	0.826442
Bai1_j8	1.39931	2.22803	0.671047	0.0122801	0.0998658
Ly6g_j1	0.0355523	0.212811	0	1	1
Rhpn1_j3	1.11997	1.17895	0.0740488	0.779386	0.925607
AK158547_j2	0.157014	0.226094	0.526034	0.431967	0.74396
AK158547_j3	0.0502585	0.0666848	0.40799	0.695357	1
Grina_j2	15.589	13.9196	-0.163407	0.329279	0.671533
XLOC_011089	0.0644301	0.144212	1.16238	0.247543	1
XLOC_011089	0.0720011	0.215426	1.5811	0.0987489	0.388529
XLOC_011090	0.10153	0.137588	0.438451	0.61028	1
Kifc2_j3	0.216328	0.331458	0	1	1
Kifc2_j2	0.112981	0.327432	0	1	1
Ppp1r16a_j5	0.0376407	0.131753	1.80747	0.0119935	1
XLOC_011102	0.134613	0.196537	0.545982	0.397771	0.722114
Commd5_j1	3.06987	2.6288	0	1	1
XLOC_011105	0.0796233	0.0779432	-0.0307672	0.980316	1
XLOC_011106	0.171291	0.118874	-0.527015	0.319997	0.663346
Csf2rb_j1	0	0.302076	1.79769e+308	1.39E-06	5.51E-05
Csf2rb_j6	0.270777	0.614397	1.18207	0.0029817	0.0342762
Lgals1_j1	3.76395	15.6255	2.05358	1.19E-09	9.90E-08
Triobp	0.0437297	0.170672	1.96454	0.0010699	0.0150815
Maff_j1	0.259437	0.2135	0	1	1
Apobec3_j1	0.520096	0.640831	0	1	1
XLOC_011139	0.0692636	0.040739	-0.765687	0.584048	1
XLOC_011139	0.125218	0.0852826	-0.554122	0.520191	1
XLOC_011139	0.217755	0.349539	0.68275	0.0104177	0.0881303
XLOC_011140	0	0.0759113	1.79769e+308	0.0657531	1
Mgat3_j1	14.9411	4.21159	0	1	1
Smcr7l	4.33037	4.21857	0	1	1
Smcr7l_j2	2.58542	3.32898	0	1	1
Cacna1i_j2	0	0.0581855	1.79769e+308	0.0831166	1

Cacna1i_j6	0	0.114824	1.79769e+308	0.001445	1
Fam83f_j3	0.518775	0.27777	-0.901216	0.0558086	0.276139
Zc3h7b_j2	1.32822	7.04182	0	1	1
Tef_j3	0	0.0834665	1.79769e+308	0.0232779	1
Mpped1_j1	0.190891	0.26392	0.467355	0.415783	0.733552
Samm50_j2	7.98388	5.17245	-0.626242	0.0001498	0.0030124
Samm50_j4	16.3483	19.6204	0.263219	0.020959	0.145548
Parvb_j4	27.021	27.6051	0	1	1
Parvb_j5	0	0.086332	0	1	1
Parvg_j2	7.12E-05	0.119667	10.7157	0.944965	1
Prr5_j2	3.82318	3.86242	0.014731	0.915094	0.97351
XLOC_011191	0.168695	0.198547	0.235064	0.51689	0.795275
Ppara	0.00496892	0.131602	4.72711	0.198168	1
Trmu_j3	1.4073	1.83969	0.386528	0.0423989	0.232786
Tbc1d22a_j2	0.112803	0.180607	0.67905	0.25865	0.607438
Tbc1d22a_j9	0	0.136668	1.79769e+308	0.0409647	1
Panx2_j1	7.65325	5.57638	0	1	1
Trabd	5.35534	5.77714	0.109376	0.518272	0.796383
Ppp6r2_j5	1.53124	1.69706	0	1	1
Ncaph2_j5	8.84044	9.07821	0	1	1
Mapk8ip2_j2	0	0.0523721	0	1	1
Shank3_j2	0.133954	0.0558398	-1.26238	0.065776	1
Shank3_j11	0.558372	0.415726	-0.425592	0.18508	0.525262
Acr_j1	0.0864372	0.077198	-0.163088	0.894035	1
Lrrk2_j3	5.72637	4.74721	-0.270541	0.0658108	0.306031
Cntn1_j3	2.48714	0.445476	0	1	1
Cntn1_j4	0.640702	2.29486	0	1	1
XLOC_011224	0.0146097	0.137391	3.23328	0.0742794	1
XLOC_011224	0.0334384	0.243733	2.86572	0.0027923	0.0325204
Pphln1_j7	0	0.265398	0	1	1
Irak4	0.563819	0.774022	0.457144	0.1135	0.41925
Gm4371_j2	0.0439819	0.262739	2.57865	0.0247702	0.163222
Tmem106c_j2	1.07978	0.962833	-0.165382	0.736218	0.907153
Cacnb3_j1	7.44379	5.08368	0	1	1
Ccdc65_j1	0.0519609	0.0921338	0.826304	0.461729	1
Prph_j1	1.21312	1.01115	0	1	1
Prph_j7	27.2096	38.1227	0	1	1
Prph_j8	2.17084	1.89779	0	1	1
Prph_j10	3.8257	7.69421	0	1	1
Kcnh3_j3	0.711436	0.675118	-0.0755938	0.781523	0.926274
AK007210_j2	0.214898	0.106607	-1.01136	0.213279	0.558495
Prpf40b_j4	1.22466	1.4588	0.252403	0.318703	0.662023
Prpf40b_j10	0.370775	1.04112	1.48952	3.04E-05	0.0007834
Prpf40b_j11	0.212006	0.139518	-0.603652	0.426617	0.741282
Tmbim6	1.83461	4.15944	0	1	1
XLOC_011262	0.321814	0.271253	-0.246588	0.683261	0.881397
Larp4_j1	0.0549248	0.255189	2.21604	0.0712216	0.320873

Larp4_j4	0.205797	0.214038	0.0566463	0.965324	0.990054
Atf1_j2	0	0.658241	1.79769e+308	2.37E-05	0.0006367
XLOC_011269	0.145486	0.282159	0	1	1
AB099516_j1	5.05284	10.269	0	1	1
XLOC_011271	0.0858107	0.147991	0.786281	0.544713	1
Dazap2_j3	1.04855	3.03955	0	1	1
Ankrd33_j2	0.459133	0.498547	0.118818	0.770818	0.922089
Eif4b_j2	9.36185	9.59959	0	1	1
Tenc1_j6	4.2735	4.62352	0	1	1
Soat2_j2	0.0599309	0.153073	1.35285	0.19265	1
Soat2_j3	0.0554118	0.135453	1.28952	0.360516	1
Zfp740_j4	1.6526	1.8419	0	1	1
Zfp740_j5	3.10038	4.36382	0	1	1
Sp1_j2	0.513002	0.992201	0	1	1
Prr13_j2	20.8451	25.7327	0	1	1
XLOC_011296	0.0112017	0.0804631	2.84461	0.321268	1
Nckap1_j2	0.245632	0.778941	1.66502	0.0006882	0.0105789
Ccdc152_j1	0.111336	0.134037	0.26771	0.612127	1
Fbxo4_j1	0.249329	0.205352	-0.279955	0.620864	0.851388
Osmr_j4	0	0.118739	0	1	1
Nipbl_j4	2.56711	3.0472	0.24734	0.201767	0.545317
Skp2_j3	0	0.114156	1.79769e+308	0.0340998	1
XLOC_011329	0	0.0630152	1.79769e+308	0.0796853	1
Dnajc21_j2	4.05978	4.71305	0	1	1
Pdzd2_j5	0	0.146258	0	1	1
Pdzd2_j6	0.144362	0.201678	0	1	1
Trio_j6	0.24624	0.611322	0	1	1
Trio_j13	0.73393	2.3885	0	1	1
Pabpc1_j3	4.01409	4.85175	0	1	1
Ywhaz_j4	80.4059	76.5426	-0.0710396	0.612687	0.847359
Ywhaz_j5	9.87689	11.0292	0.159199	0.498852	0.784147
Ncald	7.53924	7.26336	0	1	1
Rrm2b_j3	0.497369	0.678969	0	1	1
Rrm2b_j2	0.345302	0.411756	0	1	1
Rrm2b_j4	2.33891	2.50069	0	1	1
Klf10_j2	6.16917	7.65229	0	1	1
Angpt1_j2	0	0.28576	1.79769e+308	2.53E-05	0.0006713
Rspo2_j10	0.267077	0.45704	0	1	1
AK148391_j1	0.1278	0.256625	1.00577	0.0558089	0.276139
Sybu_j5	1.64318	2.04336	0	1	1
XLOC_011392	0.00753389	0.0679059	3.17207	0.0426243	1
Samd12	0.207328	1.52072	0	1	1
Samd12	3.43769	3.07747	0	1	1
Enpp2_j7	2.02253	2.24668	0.151637	0.599618	0.841292
Enpp2_j8	0.323189	0.642764	0.991913	0.0137385	0.108008
Enpp2	0.208275	0	-1.79769e+308	1.30E-05	0.000388
Derl1_j2	1.41356	2.81159	0	1	1

Derl1_j3	0.664608	0.964196	0	1	1
9130401M01Rik_j1	11.308	13.397	0.24456	0.0365534	0.211393
Atad2_j2	1.37651	1.39039	0	1	1
Klhl38	0.187823	0.209452	0.157244	0.682491	0.880856
Fam49b_j4	1.17666	1.38211	0	1	1
Kcnq3_j1	0.186748	0.279829	0	1	1
Sla_j1	0	0.0899958	1.79769e+308	0.0302997	1
XLOC_011435	7.87169	9.57177	0.282112	0.229079	0.576167
XLOC_011437	0.163325	0.262358	0.68379	0.0757334	0.33241
Ptk2_j7	0.384152	0.60663	0	1	1
Slc45a4_j4	0.391865	1.91433	0	1	1
Slc45a4_j7	5.39184	4.65115	0	1	1
Slurp1	0.135494	0.564371	2.05841	0.0240648	0.160002
Ly6k	0.0869402	0.187393	1.10797	0.342652	0.682489
Ly6a_j2	1.13573	3.63856	0	1	1
Ly6c1_j4	0	0.529049	0	1	1
Ly6h	31.3406	27.1634	-0.206371	0.116232	0.424258
Zc3h3_j1	0.504207	0.804723	0.674476	0.0569716	0.279574
Zc3h3_j5	0.0232251	0.0615798	1.40677	0.459021	1
Naprt1_j4	0.455413	0.571341	0.327178	0.568715	0.825674
Pycrl_j2	0	0.0546227	1.79769e+308	0.149488	1
Tsta3_j2	1.79136	2.65642	0.568424	0.21459	0.560024
Puf60_j2	28.3692	30.312	0	1	1
Nrbp2_j9	17.7644	21.5995	0	1	1
Nrbp2_j10	3.65987	3.42225	0	1	1
Plec_j3	22.9694	25.2167	0.134666	0.123374	0.437384
Oplah_j3	2.77402	3.25016	0	1	1
Cpsf1_j7	3.51615	3.45401	0	1	1
Vps28_j8	0.688244	0.510333	-0.431481	0.50025	0.785042
Vps28_j9	0	0.417397	1.79769e+308	0.0274835	0.175386
Tonsl_j4	0.13385	0.672682	2.3293	1.26E-08	8.65E-07
Cyhr1_j3	6.27257	6.87915	0.133174	0.556252	0.818821
Arhgap39_j2	0.749982	1.01292	0.433597	0.0226789	0.153721
Arhgap39_j1	1.53306	1.21349	-0.337253	0.0389219	0.220001
Rbfox2	7.29795	11.0731	0	1	1
XLOC_011483	0.0210106	0.0760862	1.85652	0.170161	1
Myh9_j4	18.4731	22.1139	0	1	1
Myh9_j7	4.28529	7.6587	0	1	1
Eif3d_j3	23.2536	29.2001	0	1	1
Ift27	10.3734	9.10337	-0.18842	0.227437	0.574684
Pvalb_j4	113.39	48.6678	-1.22026	0	0
Csf2rb2_j1	0.190432	0.304639	0.677829	0.090896	0.370619
Tmprss6_j4	0.0579189	0.0998317	0.785464	0.751447	1
Il2rb_j1	0	0.056851	1.79769e+308	0.0935342	1
C1qtnf6_j1	0.0730151	0.153897	1.0757	0.206115	1
Mfng_j2	0	0.203315	1.79769e+308	0.0184886	0.133531
Ankrd54_j1	3.04497	3.23823	0.0887762	0.748031	0.912342

Pla2g6_j7	0.59724	0.904243	0	1	1
Tmem184b_j4	0.693167	1.24051	0	1	1
Kcnj4_j4	2.04159	1.70798	-0.257404	0.277799	0.626672
Josd1_j1	0.0272884	0.0753104	1.46456	0.284052	1
Sun2_j6	0.0442153	0.0969123	0	1	1
Sun2_j5	0.0527417	0.0807855	0	1	1
Pdgb_j3	0.00039465	0.172788	8.77421	0.710033	0.894336
Rangap1_j4	1.89464	1.3367	0	1	1
Rangap1_j5	1.77466	1.41497	0	1	1
Nhp2l1_j2	0	0.151263	0	1	1
Al848285_j2	0.0964839	0.118916	0.301578	0.783629	1
Tnfrsf13c	0.0317718	0.074284	1.22531	0.443825	1
Tcf20_j3	2.03161	2.90922	0	1	1
Rrp7a_j2	2.29646	2.3066	0	1	1
Cyb5r3_j3	0	0.263827	0	1	1
Cyb5r3_j4	102.039	124.877	0	1	1
Arfgap3	18.5579	20.4539	0.140338	0.166285	0.502874
1700001L05Rik_j5	2.222	1.90716	0	1	1
Pacsin2_j6	11.8306	9.47372	0	1	1
Ttll12_j4	0	1.77812	1.79769e+308	7.55E-09	5.36E-07
Scube1	0	0.193578	1.79769e+308	2.06E-05	0.0005668
Scube1	0.199416	0.0995954	-1.00163	0.069428	0.315947
Sult4a1_j3	0.923262	1.42694	0	1	1
Sult4a1_j4	13.9964	14.5381	0	1	1
Phf21b	0	0.16134	1.79769e+308	0.0023152	0.0280248
Celsr1_j1	0.0720501	0.0170691	-2.07761	0.0079031	1
Cerk_j6	0.152678	0.13004	0	1	1
Brd1_j4	0.556698	0.689176	0	1	1
Brd1_j6	0	0.0810462	0	1	1
Brd1_j5	0.0761662	0.221078	0	1	1
Alg12_j1	0.548788	0.571122	0.0575511	0.901473	0.968727
Ttll8_j1	0	0.292138	1.79769e+308	0.0097097	0.0838612
Mlc1_j4	0	0.585693	0	1	1
Fam116b_j3	0.622559	1.34967	0	1	1
Sbf1_j7	0.0307797	0.0940733	0	1	1
Sbf1_j8	0.125412	0.0926218	0	1	1
Cpt1b_j7	0.0790643	0.0557715	-0.503499	0.661104	1
Cpt1b_j15	0	0.0907883	1.79769e+308	0.0552947	1
Rabl2_j2	4.7817	6.77873	0	1	1
Syt10	0.255579	0.289055	0.177571	0.516772	0.795273
Cpne8_j4	0.701232	1.43973	1.03783	0.0010848	0.0152202
Kif21a_j12	2.87003	3.30988	0	1	1
Kif21a_j13	1.42317	4.37273	0	1	1
Kif21a_j14	21.8548	15.5553	0	1	1
Abcd2_j1	1.13953	1.13181	0	1	1
YAF2_j1	0	1.20345	0	1	1
Prickle1_j1	0.0689128	0.087792	0.349317	0.63804	1

Adamts20_j7	4.79E-05	0.374555	12.9325	0.93326	0.979703
Adamts20_j8	0.0618133	0.0739144	0.257938	0.681497	1
Adamts20_j11	0	0.0886129	1.79769e+308	0.0021565	1
Adamts20_j15	0.0777372	0.0734456	-0.0819296	0.911462	1
Nell2_j2	0.471199	0.289451	0	1	1
Dbx2	0	0.223318	1.79769e+308	0.0133444	0.105957
Dbx2_j3	0.153562	0.0714463	-1.10389	0.43348	0.744803
Scaf11_j4	1.2725	0.801711	-0.666517	0.0019691	0.0246863
Slc38a1_j6	0.0601046	0.131131	0	1	1
Slc38a1_j5	0.0375748	0.133155	0	1	1
Slc38a2_j4	27.3283	25.6224	0	1	1
Amigo2	1.12395	1.14506	0	1	1
XLOC_011619	0.101803	0.0941564	0	1	1
Rapgef3_j4	0.77702	1.23262	0.665708	0.096747	0.384126
Hdac7_j2	0.0276941	0.0653021	0	1	1
Hdac7_j3	1.36634	1.35296	0	1	1
Col2a1_j3	0.480282	0.514659	0.0997347	0.87836	0.961099
Zfp641_j1	0	0.218503	1.79769e+308	0.0003203	0.0056486
2310037I24Rik_j3	1.39423	1.54657	0.149608	0.606797	0.845132
2310037I24Rik_j4	1.73152	1.77944	0.0393847	0.851623	0.952877
Ccnt1_j1	2.54393	2.20068	0	1	1
Arf3_j5	3.36789	16.8641	0	1	1
Ddn_j2	0	0.744944	0	1	1
Mll2_j2	5.8919	6.0789	0.0450772	0.732813	0.905728
Mll2_j7	0.265842	0.188967	-0.492432	0.0987418	0.388529
Rhebl1_j8	0.410283	0.712389	0	1	1
Rhebl1	2.60349	3.14055	0	1	1
Lmbr1_j7	2.47923	3.91903	0	1	1
Mcrs1_j4	0.421601	0.293631	-0.521873	0.200779	0.544177
Mcrs1_j3	0.0610455	0.126315	1.04907	0.481278	1
Fmnl3_j2	0	0.11504	1.79769e+308	0.0031974	1
Racgap1_j4	0	0.154682	1.79769e+308	0.0090992	1
Lass5_j8	0	0.181186	0	1	1
Lass5_j7	0	0.0604241	0	1	1
Slc11a2_j7	0	2.16017	0	1	1
Tcfcp2_j8	0	0.123951	0	1	1
Tcfcp2_j7	0	0.163569	0	1	1
Tcfcp2_j9	7.08E-05	0.931973	0	1	1
Pou6f1_j7	0.963242	1.41945	0	1	1
Pou6f1_j6	0.201398	0.169525	0	1	1
AK146183_j3	0.663251	0.845111	0	1	1
Krt80_j2	0	0.0515557	1.79769e+308	0.0478377	1
Spryd3	15.3731	15.9221	0	1	1
Spryd3_j3	0	0.192123	0	1	1
Map3k12_j2	4.9366	4.72021	0	1	1
Map3k12_j3	6.62346	5.71772	0	1	1
Atf7_j4	5.82226	5.34483	-0.123436	0.265079	0.613897

Atp5g2_j1	0.19876	0.118379	-0.747611	0.219145	0.565521
Itga5_j1	0.0470424	0.46276	0	1	1
Itga5_j2	0.182141	0.0558237	0	1	1
XLOC_010939	0.574711	0.544672	0	1	1
Dab2_j3	7.00E-05	0.205037	0	1	1
Rictor_j2	0.52379	0.653462	0.319114	0.326926	0.66996
Lifr_j1	1.20973	0.637807	0	1	1
Nup155_j2	0.322413	0.557767	0	1	1
2410089E03Rik_j10	1.0989	1.39013	0.339167	0.134397	0.456305
2410089E03Rik_j16	0.0577459	0 -1.79769e+308		0.0511014	1
XLOC_010947	0.0410632	0.182727	2.15377	0.231745	0.578797
XLOC_010947	0	0.0555382 1.79769e+308		0.103033	1
Lmbrd2_j1	0.0766783	0.0531882	0	1	1
Zfr_j2	0.606957	0.92672	0	1	1
Zfr_j5	0.691151	0.71625	0	1	1
Drosha_j3	5.73232	8.5006	0	1	1
Cdh9_j6	0.547968	0.385297	0	1	1
March11_j1	5.78053	4.97537	-0.216398	0.410746	0.730416
March11_j3	3.78067	2.9222	-0.371587	0.35424	0.69047
Ctnnd2_j1	2.89526	3.55389	0	1	1
Dap_j3	0.191297	0.0703899	-1.44237	0.272348	0.621166
XLOC_010981	0.233282	0.231515	-0.0109679	0.98842	0.996486
Spag1_j3	0.435812	0.59271	0.443621	0.101712	0.395032
XLOC_010993	0.144002	0.144814	0.00810699	0.993897	0.99828
XLOC_010995	5.06E-05	0.082019	10.6623	0.972804	1
Baalc_j2	6.03578	10.4639	0.793812	4.51E-09	3.37E-07
Dcaf13_j1	5.8867	6.38553	0	1	1
Rims2_j3	0.439911	0.334271	-0.396193	0.278861	0.627636
Rims2_j11	0	0.0979727 1.79769e+308		0.0183328	1
Rims2_j12	0.222569	0.345848	0.635887	0.172581	0.510021
Rims2_j14	2.11276	2.90139	0.457617	0.193143	0.535528
XLOC_011007	0.0445514	0.175587	1.97864	0.120727	0.432763
Zfpm2_j3	0.156644	0.218556	0.480519	0.33796	0.678523
Med30_j1	0	0.612332 1.79769e+308		0.0345265	0.203982
Col14a1_j2	0.133947	0.43337	1.69394	1.08E-05	0.0003312
Has2as_j1	0.134526	0.194543	0.532203	0.48193	0.775384
Zhx2_j1	0.000131287	1.95179	0	1	1
Wdr67_j4	0	0.0989241 1.79769e+308		0.0136351	1
Wdr67	0.163248	0.172129	0.0764297	0.900473	0.968335
Wdr67_j9	0.0623584	0.232656	1.89954	0.0187987	0.135159
Wdr67_j11	0.031329	0.201678	2.68648	0.0210877	0.14613
Nsmce2_j2	0.872324	0.975905	0	1	1
Nsmce2_j3	0.137136	0.305531	0	1	1
Myc_j1	0.107994	0.140718	0.381858	0.742942	1
Pvt1_j6	3.54393	3.01862	-0.231463	0.308203	0.653088
Pvt1_j8	0.272263	0.364477	0.420826	0.279641	0.62836
Pvt1_j13	0.0885693	0.147503	0.73587	0.356552	1

Wisp1_j4	0.128378	0.0961814	-0.416572	0.543803	1
mKIAA0870_j8	0.132469	0.192425	0.538644	0.444607	0.752255
Bai1	1.80347	0.686337	-1.39379	2.28E-08	1.47E-06
Bai1_j9	0.985718	0.89471	-0.139754	0.74837	0.912414
Bai1_j11	0.607016	0.64831	0.094949	0.857317	0.954789
Ly6e	0.08174	0.373782	0	1	1
Ly6e_j1	0	0.107838	0	1	1
Gpihbp1_j2	0.440713	0.608218	0.464747	0.54882	0.814431
Zfp41_j1	1.03138	1.1253	0.125737	0.557702	0.819799
Rhpn1_j6	0.312373	0.183822	-0.764958	0.163787	0.49929
Gsdmd_j2	0.164264	0.183875	0.162716	0.783875	0.927213
Gsdmd_j4	0.299627	0.40559	0.436851	0.334076	0.674869
AK158547_j5	0.394375	0.429353	0.122594	0.583442	0.833129
Gpaa1_j5	10.0857	10.0152	0	1	1
Maf1	1.20982	1.06046	0	1	1
XLOC_011089	0.0726938	0.0995997	0.454309	0.735861	1
Brp16_j1	0.090239	0.299192	1.72925	0.0261244	0.169612
Heatr7a_j2	0.0951569	0.0234917	0	1	1
Heatr7a_j1	1.89975	0.457481	0	1	1
Heatr7a_j5	3.21899	4.30639	0	1	1
Kifc2_j1	1.46872	1.4456	0	1	1
Kifc2	13.3573	10.4018	0	1	1
Kifc2_j8	4.53964	4.91719	0	1	1
Ppp1r16a_j7	0.385475	0.483985	0.328325	0.24326	0.590533
Zfp7_j1	2.58217	2.32161	0	1	1
Zfp7_j2	0.558428	0.779911	0	1	1
Csf2rb_j5	0	0.159872	1.79769e+308	0.0012025	0.0165762
Sh3bp1_j3	0.029564	0.221686	2.90661	0.0140983	0.110025
Triobp_j2	0.0592608	0.0705142	0.250835	0.757312	1
Micall1_j1	1.24823	2.09404	0	1	1
Micall1_j2	3.69903	6.30009	0	1	1
Pick1_j1	0.526519	0.628936	0.256427	0.451185	0.756435
Cby1_j2	0.86056	1.05351	0.291861	0.339502	0.679743
Cby1_j1	0.755133	0.778542	0.0440438	0.906193	0.970331
XLOC_011139	0	0.285878	1.79769e+308	0.0023218	0.0280876
XLOC_011139	0.105348	0.256739	1.28515	0.0985243	0.388048
Tab1_j1	0.140725	0.145335	0.046503	0.95105	0.985865
Smcr7l_j3	0.674727	1.11972	0	1	1
Cacna1i_j8	0	0.0869675	1.79769e+308	0.0027393	1
Fam83f_j1	0.267871	0.236199	-0.181534	0.801243	0.933726
Fam83f_j5	1.49E-05	0.0892154	12.5496	0.981697	1
Tnrc6b_j1	0.131485	0.000143723	-9.8374	0.668715	1
Tnrc6b	0.0674333	0.323479	2.26214	5.44E-06	0.0001819
Mchr1_j1	0.178188	0.946521	2.40923	3.70E-05	0.0009238
Xpnpep3	1.40359	0.982412	0	1	1
Ep300_j1	0.194848	0.195099	0	1	1
L3mbtl2_j1	4.14915	3.91806	-0.0826766	0.630335	0.856283

Tef_j4	0.331839	0.0892956	-1.89382	0.0097214	0.0838932
Aco2_j3	0	0.413654	1.79769e+308	0.0002593	0.0047584
Ccdc134_j2	0.607371	0.828059	0	1	1
XLOC_011168	0.35438	0.465604	0.393804	0.22944	0.576495
Fam118a_j1	0.454753	0.590393	0.376593	0.377827	0.709468
Atxn10_j3	109.031	106.147	0	1	1
Ttc38_j1	1.1844	1.09598	-0.111942	0.509224	0.790813
Gramd4_j1	1.47917	1.09673	0	1	1
Tbc1d22a_j4	0.0465999	0.0744645	0.676226	0.655657	1
Mov10l1_j2	0	0.0541652	1.79769e+308	0.190232	1
Ppp6r2_j3	3.84904	3.72519	0	1	1
Ppp6r2_j2	3.62061	2.87824	0	1	1
Ppp6r2_j6	1.38287	0.900744	0	1	1
Ncaph2_j2	0.171068	0.0510871	0	1	1
Ncaph2_j8	0.383282	0.530009	0	1	1
Shank3	0.174862	0.234503	0.423396	0.288019	0.636068
AK035742	0.064682	0.0729407	0.173359	0.897504	1
XLOC_011224	0	1.49524	1.79769e+308	3.13E-06	0.000113
Pphln1_j3	2.37815	1.57405	0	1	1
Pphln1	3.12721	3.01274	0	1	1
XLOC_011227	0.0925308	0.144418	0.642243	0.363243	1
Ano6_j1	0.0597741	0.0577293	0	1	1
Tmem106c_j1	0.17774	0.348643	0.97198	0.318187	0.661603
Ccdc65_j4	0.35297	0.448225	0.344679	0.549721	0.814919
XLOC_011252	0.251879	0.236742	-0.0894176	0.86485	0.956985
Prph_j2	466.29	554.32	0	1	1
Dnajc22_j3	0.278331	0.143073	-0.960045	0.204436	0.548567
Prpf40b_j3	0.178512	0.331161	0.891513	0.0937705	0.377256
Gpd1_j2	0.718686	0.699026	0	1	1
Larp4_j3	0.482926	0.745474	0.626356	0.423137	0.738683
Dip2b_j4	0	0.0467038	0	1	1
Dip2b_j3	0	0.157716	0	1	1
Dip2b	0.219494	0.129095	0	1	1
Atf1_j3	0.0893881	0.0683682	-0.386757	0.79788	1
XLOC_011269	0.366176	0.427992	0	1	1
Slc4a8_j3	1.22694	1.88933	0	1	1
Scn8a_j3	4.8887	4.40488	0	1	1
XLOC_011277	1.06915	1.24334	0.217751	0.528469	0.802033
Nr4a1_j2	2.97489	3.83804	0	1	1
9430023L20Rik_j1	9.80853	9.96702	0.0231252	0.910734	0.97197
Zfp740_j3	3.79896	3.35579	0	1	1
Espl1_j4	0	0.0648709	1.79769e+308	0.0453879	1
Espl1_j6	0	0.0810464	1.79769e+308	0.02776	1
Sp1_j1	0.000259753	0.705604	0	1	1
Prr13_j1	3.47512	4.76148	0	1	1
XLOC_011296	0.189281	0.275482	0.54143	0.140804	0.466781
Hoxc9_j4	0.60237	0.826029	0	1	1

XLOC_011304	0.13745	0.107892	0	1	1
Hoxc4_j2	1.13942	0.871131	0	1	1
Hnrnpa1_j5	23.2729	20.9976	-0.148425	0.16879	0.505572
BC157982_j1	0	0.0643431 1.79769e+308		0.0875477	1
Ptger4_j2	2.56908	2.71395	0	1	1
Osmr_j1	0.304191	0.639322	0	1	1
Osmr_j2	0.341537	0.698871	0	1	1
Egflam_j4	1.43511	2.41757	0	1	1
Nipbl_j3	0	0.169192 1.79769e+308		2.36E-05	0.0006341
XLOC_011329	0.114698	0.163819	0.514256	0.217259	0.563457
XLOC_011329	0.0451917	0.064495	0.513131	0.509668	1
Rai14_j1	1.7829	1.30557	0	1	1
Pdzd2_j9	0.154753	0.0606704	0	1	1
Pdzd2_j10	0.238796	0.270661	0	1	1
6030458C11Rik_j1	2.02793	2.27922	0	1	1
Cdh6_j1	0.0020002	0.794618	0	1	1
Fam105a_j3	0.634814	0.78061	0.298269	0.523487	0.799355
Trio_j15	0.173595	0.253932	0	1	1
Ankrd33b_j1	0.00668457	0.38925	0	1	1
Ropn1l_j1	0	0.10291 1.79769e+308		0.10234	1
March6_j4	12.3597	11.7812	0	1	1
Ywhaz_j6	43.765	48.8179	0.15763	0.416574	0.733896
Zfp706_j2	25.0042	24.1057	0	1	1
mKIAA0896	21.7878	22.9963	0	1	1
Ubr5_j3	0.229928	0.443342	0	1	1
XLOC_011375	0	0.149683 1.79769e+308		0.018807	1
Rspo2_j1	7.54485	7.57917	0	1	1
Rspo2_j2	0.321674	0.555456	0	1	1
AK148391_j2	0	0.156265 1.79769e+308		0.0018332	1
Sybu	0.0160194	0.670446	0	1	1
XLOC_011392	0.322738	0.355925	0.14121	0.71798	0.898424
Kcnv1_j4	2.14035	3.5682	0	1	1
Csmd3_j4	0	0.0710261 1.79769e+308		0.0967811	1
Csmd3_j6	0.0550523	0.175049	1.66889	0.187954	0.529074
XLOC_011395	1.15736	2.25969	0.965281	0.0916983	0.372116
Eif3h_j1	30.6043	31.9328	0.0613038	0.569322	0.825874
Ext1_j2	3.05964	3.15735	0.0453504	0.854022	0.953758
Samd12_j5	0	0.0819259	0	1	1
Enpp2_j10	0.414619	0.642315	0.631496	0.0853592	0.356607
XLOC_011404	0.0597361	0.13757	1.20349	0.502268	1
Mrpl13_j3	0.364755	4.91598	0	1	1
XLOC_011409	0.0868175	0.165844	0.933768	0.17627	0.514987
XLOC_011420	0	0.133939 1.79769e+308		0.0712126	1
Asap1_j13	16.4882	15.7675	0	1	1
Asap1_j16	12.4344	12.66	0	1	1
Asap1_j15	6.23647	7.57417	0	1	1
Oc90_j2	0.0623827	0.16777	1.42727	0.159842	0.494363

Ndr1_j2	0	0.534193	0	1	1
St3gal1_j2	0.000148845	0.874779	0	1	1
Eif2c2_j1	7.20506	7.26112	0.0111821	0.903375	0.969103
Ptk2_j14	0.852788	1.15225	0	1	1
Ptk2_j13	0.489083	1.51666	0	1	1
Slc45a4_j1	0	0.540212	0	1	1
Slc45a4_j2	0	0.418819	0	1	1
Lynx1_j1	52.1026	48.136	0	1	1
Naprt1_j7	0.0136192	0.226539	4.05604	0.0904936	0.369535
Naprt1_j9	0.227698	0.271703	0.254912	0.664041	0.872726
Naprt1_j11	0.237105	0.270503	0.190117	0.760352	0.917459
Eef1d_j2	0.918055	1.00185	0.126012	0.676621	0.878369
Fam83h_j2	0.406264	0.493925	0.281873	0.374767	0.707307
Scrib_j3	0.132413	0.221407	0	1	1
Scrib	1.3455	1.52886	0	1	1
Nrbp2_j2	0.717009	0.406842	0	1	1
Nrbp2_j4	0.531518	0.5972	0	1	1
Nrbp2_j3	1.47859	1.71721	0	1	1
Plec_j2	2.11538	1.83752	-0.203159	0.147364	0.476
Parp10_j1	0.682685	0.67047	-0.0260455	0.930827	0.978859
Parp10_j2	0.160196	0.21983	0.456552	0.405274	0.726998
Oplah_j2	3.71567	3.51755	0	1	1
Bop1_j6	0.403316	0.578184	0	1	1
Bop1_j7	0	0.29462	0	1	1
Dgat1_j2	0.0841168	0.302692	1.84738	8.21E-05	0.0018153
Cpsf1_j5	2.42946	2.22022	0	1	1
Recql4_j3	0.301103	0.315645	0.0680432	0.838742	0.948621
Recql4_j4	0.138722	0.207466	0.580682	0.146223	0.474483
Arhgap39_j3	0.115028	0.193904	0.753352	0.0606621	0.290288
Arhgap39_j4	0.784323	0.743334	-0.0774374	0.714619	0.896613
Zfp251_j1	0	0.152813	0	1	1
Zfp647_j1	0.0854128	0.219893	1.36428	0.0857857	0.357632
Rbfox2_j7	2.35881	2.41536	0	1	1
Myh9_j5	11.871	17.6545	0	1	1
Foxred2_j2	0	0.0701452	1.79769e+308	0.0156729	1
Pvalb_j3	6.24009	4.7902	-0.381482	0.17316	0.510747
Csf2rb2_j5	0.0623536	0.0401455	-0.635234	0.574734	1
Il2rb_j4	0.0123855	0.0906918	2.87232	0.167023	1
Elfn2_j1	0.343827	0.547274	0	1	1
Sox10_j4	16.5897	18.9317	0	1	1
Baiap2l2_j3	0	0.290389	1.79769e+308	0.0039541	0.0425339
Pla2g6_j6	5.45067	7.88091	0	1	1
Ddx17_j7	0.0520506	0.0365033	0	1	1
Dnalc4_j2	3.39928	3.67407	0	1	1
Npcd_j1	14.5864	15.0595	0	1	1
Cbx7_j1	4.69496	3.72459	0	1	1
Pdgbf_j2	0.226288	0.417694	0.88429	0.127153	0.444289

Mkl1_j2	0.190235	0.764586	2.00689	2.76E-07	1.32E-05
St13_j2	0	0.304863	0	1	1
Rangap1_j3	25.8113	27.2671	0	1	1
Al848285	0.18341	0.229547	0.323715	0.656862	0.869092
Tcf20_j4	0.315417	0.718952	0	1	1
Nfam1_j3	0	0.109815	1.79769e+308	0.0311988	1
Nfam1_j5	0	0.0617396	1.79769e+308	0.0575268	1
Nfam1_j4	0	0.146474	1.79769e+308	0.0054627	1
A4galt	24.431	28.8528	0	1	1
Scube1_j3	0.17415	0.122666	-0.505594	0.631802	0.856815
1810041L15Rik_j6	4.21181	4.86379	0	1	1
Phf21b_j5	0.229963	0.217376	-0.0812111	0.895799	0.96693
Phf21b_j6	0	0.0567137	1.79769e+308	0.0573897	1
Phf21b_j8	0.145539	0.196357	0.43207	0.603147	0.843262
5031439G07Rik_j3	0.278078	0.594147	0	1	1
Celsr1_j3	0.458176	0.410468	-0.15863	0.45649	0.759953
Celsr1_j2	0.136949	0.317402	1.21267	2.43E-05	0.000649
Cerk_j7	2.59786	1.11044	0	1	1
Brd1_j3	1.47997	0.891057	0	1	1
XLOC_011580	0.317129	0.211596	0	1	1
Tubgcp6	3.21208	3.12062	0	1	1
Mapk12_j1	18.0411	16.4931	-0.129431	0.355064	0.691033
Mapk12_j2	8.82483	6.82023	-0.371749	0.0254463	0.16635
Plxb2_j3	1.69962	2.93758	0	1	1
Fam116b_j4	3.39314	3.33677	0	1	1
Sbf1_j3	0.68068	1.30008	0	1	1
Sbf1_j5	0.776571	0.768452	0	1	1
Sbf1_j4	3.96576	4.34651	0	1	1
Cpt1b_j11	0.0986224	0.129364	0.391447	0.575068	1
Arsa_j1	2.74077	2.44561	-0.164386	0.286853	0.635459
Kif21a_j4	63.3751	25.2302	0	1	1
Kif21a_j5	20.0418	19.1584	0	1	1
Prickle1_j4	0	0.239962	1.79769e+308	0.0001386	0.0028124
Adamts20_j5	0.636333	0.69758	0.132576	0.69125	0.885697
Adamts20_j6	0.0193173	0.102209	2.40356	0.0178924	1
Adamts20_j12	0.0444588	0.0875824	0.978171	0.336611	1
Adamts20_j13	0.21678	0.226633	0.0641257	0.886805	0.964085
Adamts20_j16	0.0650536	0.0648287	-0.00499555	0.996725	1
Slc38a2_j7	3.84775	3.77278	0	1	1
Rpap3_j1	0.153169	0.105785	-0.533988	0.383603	0.71313
Rapgef3_j6	0.0514781	0.177347	1.78454	0.0355452	0.207747
Hdac7_j4	1.19296	1.90155	0	1	1
Adcy6_j2	0.696274	0.706378	0.0207842	0.952498	0.986299
Adcy6_j3	0.286223	0.474576	0.729502	0.10025	0.391937
Arf3_j3	100.762	84.1578	0	1	1
Prkag1_j2	0.218149	0.24916	0.191755	0.799509	0.933125
Mll2_j1	1.72236	1.36215	-0.338507	0.0123626	0.100353

Rhebl1_j1	4.04899	3.86204	0	1	1
Rhebl1_j2	1.82883	1.76099	0	1	1
Mcrs1_j7	2.02838	2.66738	0.395098	0.170281	0.507195
Fam186b_j1	0.101964	0.109993	0.109356	0.874674	1
Fmnl3_j6	0.23132	0.302892	0.388912	0.357157	0.693052
Nckap5l_j8	0.406797	0.6472	0	1	1
Racgap1_j7	1.81698	1.95701	0.107106	0.684295	0.881982
Lass5_j5	4.69999	5.22879	0	1	1
Lima1_j1	0.151446	0.33166	0	1	1
Slc11a2_j6	0.0697216	0.3003	0	1	1
Tcfcp2_j3	0	0.250319	0	1	1
Pou6f1_j5	0.0839456	0.212294	0	1	1
AK021197_j2	0.0683202	0.115971	0.763382	0.565444	1
BC141885_j4	0.0354228	0.218476	2.62472	0.0306839	0.188573
Galnt6_j1	0.390504	0.703648	0	1	1
XLOC_011668	0.0288672	0.114999	0	1	1
AK039268_j2	0.22137	0.12997	-0.768273	0.358391	0.693844
AK039268_j3	0.125762	0.138993	0.144316	0.788948	1
Krt80	0.108542	0.111405	0.0375642	0.960885	1
Krt1_j2	0.483495	0.460253	-0.0710711	0.901956	0.968734
Spryd3_j5	0.334096	2.44983	0	1	1
Csad_j3	0.55322	0.449391	0	1	1
Rarg_j2	1.97703	3.11702	0	1	1
Map3k12	0.620911	0.548066	0	1	1
Atf7_j1	0.022426	0.0595364	1.4086	0.0547255	1
D930007P13Rik_j1	0.153537	0.0788417	-0.96156	0.0367474	0.212043
Zfp385a_j3	0.743551	1.29933	0	1	1
Itga5_j3	0.1576	0.236629	0	1	1
Ppp1r1a_j2	26.5803	24.631	-0.109884	0.447738	0.754472
Prkaa1_j1	1.26022	1.07898	-0.224008	0.54431	0.811356
Prkaa1_j2	0.347565	0.287373	-0.274361	0.708617	0.893803
Ttc33_j1	15.7126	15.3432	0	1	1
Dab2_j4	1.17167	0.907935	0	1	1
Fyb_j3	0.0988106	0.676175	2.77466	4.14E-10	3.69E-08
Fyb_j7	0.180885	0.346375	0.937266	0.123958	0.438661
2410089E03Rik_j13	0.106877	0.05286	-1.0157	0.479738	1
2410089E03Rik_j18	3.89404	3.77167	-0.0460632	0.8099	0.937853
XLOC_010947	0.0582221	0.101983	0.808686	0.276033	1
1110020G09Rik_j1	0.699242	0.484285	-0.529934	0.305549	0.650748
1110020G09Rik_j4	0	0.12019	1.79769e+308	0.0232106	1
Prlr_j2	0.0564286	0.0407265	-0.470459	0.805906	1
Rad1_j2	0.429695	0.42179	-0.0267895	0.968372	0.991049
Drosha_j4	0.077915	0.115274	0	1	1
Cdh9_j2	0	0.159065	0	1	1
Cdh12_j3	0.342868	0.194653	-0.816749	0.0838309	0.353091
Myo10_j7	2.33212	1.73453	0	1	1
Fam134b	4.38387	6.9964	0	1	1

XLOC_010973	0.217393	0.247055	0.184529	0.800139	0.933377
XLOC_010975	0.0621961	0.0805805	0.373608	0.69389	1
Ctnnd2_j4	0.0791856	0.0273828	0	1	1
Cmb1_j4	1.90093	2.07747	0.128124	0.769738	0.921491
Sema5a_j3	0.129701	0.163564	0.334672	0.415645	0.733384
XLOC_010981	0.0954051	0.202438	1.08534	0.445948	0.753304
Laptm4b	2.16457	2.55475	0	1	1
Osr2_j1	0.0879014	0.135422	0.623507	0.581512	1
XLOC_010995	0	0.0841804 1.79769e+308		0.0940538	1
Atp6v1c1_j1	19.7563	21.8922	0.148108	0.271607	0.620436
Rims2_j13	0.588262	1.05295	0.8399	0.0004042	0.0068326
XLOC_011007	0	0.0511875 1.79769e+308		0.138815	1
XLOC_011007	0	0.0914701 1.79769e+308		0.0697964	1
Oxr1_j5	7.64139	4.28782	-0.833589	2.22E-09	1.76E-07
Oxr1	35.0168	25.3226	-0.467621	1.99E-06	7.56E-05
Med30_j2	5.90619	5.11259	-0.208173	0.47272	0.769673
Mal2_j3	43.1406	41.4657	-0.0571293	0.53841	0.807898
Mtbp_j1	0	0.0512789	0	1	1
Mtbp_j3	0.141921	0.185827	0	1	1
Mtbp_j4	0.317232	0.283475	0	1	1
Zhx2_j3	0.0353009	0.4946	0	1	1
Wdr67_j1	0.164865	0.123747	-0.413893	0.570708	0.826452
Wdr67_j14	0.515774	0.264943	-0.961058	0.271013	0.620042
D15Ert621e_j2	4.39227	3.88668	0	1	1
Fer1l6_j1	0	0.161738 1.79769e+308		0.0038001	0.0413654
Gm5045	3.92967	4.47361	0.187031	0.353672	0.68999
Pvt1	0.445607	0.494041	0.148857	0.667396	0.8742
Pvt1_j10	2.08364	1.99877	-0.0599952	0.79328	0.931082
Pvt1_j11	0	0.324437 1.79769e+308		8.04E-06	0.0002558
Efr3a_j1	0	0.141283	0	1	1
Phf20l1_j7	1.34909	1.38657	0	1	1
Khdrbs3_j5	0.129905	0.323921	0	1	1
Khdrbs3_j6	3.90264	4.52429	0	1	1
mKIAA0870_j4	0.00043581	0.124203	8.15478	0.738646	1
mKIAA0870_j7	0.119946	0.147458	0.297914	0.705545	1
Bai1_j7	0	0.126632 1.79769e+308		0.0466465	1
AK171817_j1	0.138224	0.284968	1.0438	0.126613	0.443067
Gsdmd_j3	0	0.200335 1.79769e+308		0.0557016	0.275842
Zfp623_j1	0.205878	0.317837	0.626495	0.288652	0.636345
Zfp623_j3	1.40348	2.02093	0.526005	0.0242381	0.160803
XLOC_011080	0.141441	0.239931	0.762421	0.454219	0.758572
XLOC_011081	0.165476	0.220133	0	1	1
XLOC_011081	0.161215	0.132707	0	1	1
Cyc1_j1	78.2559	67.3278	0	1	1
Maf1_j2	13.8332	15.551	0	1	1
XLOC_011089	0.0234502	0.0919344	1.971	0.251935	1
Adck5_j1	1.75492	1.83559	0	1	1

Ppp1r16a_j4	6.20673	6.32865	0.0280649	0.813068	0.938885
Ppp1r16a_j6	0.766632	0.723709	-0.0831261	0.747084	0.911894
1110038F14Rik_j1	0.403051	0.348795	-0.208583	0.804371	0.935135
XLOC_011105	0.137771	0.0938357	-0.554065	0.66781	0.87439
Csf2rb_j3	0.0682744	0.0867058	0.344784	0.662484	1
Lgals1_j4	171.235	333.038	0.959711	0	0
Triobp_j4	0	0.0518035	1.79769e+308	0.0128892	1
Gm10863_j3	0.392643	0.323659	-0.278743	0.416426	0.733896
Tomm22_j1	20.8884	24.026	0.201896	0.0967433	0.384126
XLOC_011139	0.0296207	0.24096	3.02412	0.0213948	0.147482
XLOC_011139	0.540488	0.608927	0.172008	0.701116	0.890145
Cacna1i_j10	0	0.234499	1.79769e+308	2.82E-05	0.0007333
Sgsm3_j1	0.0656866	0.0400245	-0.714715	0.596863	1
Sgsm3_j2	1.90731	1.77405	-0.104492	0.681826	0.880565
Xpnpep3_j1	0	0.270696	0	1	1
Xpnpep3_j2	1.25852	1.39729	0	1	1
Tef_j5	14.7353	16.4101	0.155301	0.125886	0.441826
Mei1_j1	0.0605107	0.14322	1.24297	0.457339	1
Sept3_j4	2.71271	2.95368	0.12278	0.472195	0.769302
Sept3_j5	9.28519	9.62086	0.0512337	0.742948	0.909993
AK080278_j2	0.190017	0.299867	0	1	1
XLOC_011175	0.549891	0.475459	0	1	1
Mpped1_j2	0.126879	0.232509	0.873834	0.1364	0.459374
Nup50_j1	8.32227	8.70423	0.0647398	0.5422	0.810033
XLOC_011191	7.35E-05	0.143951	10.935	0.936845	1
Ppara_j4	0.0654697	0.109992	0.748492	0.567408	1
Tbc1d22a_j5	0.248053	0.177074	-0.486295	0.575812	0.828497
Tbc1d22a_j11	0.0723835	0.0876173	0.275555	0.854842	1
XLOC_011198	0.120778	0.14578	0.271433	0.767628	1
Pim3_j2	0.595747	0.942882	0.662377	0.198678	0.541904
Ppp6r2_j1	0.700338	1.06815	0	1	1
Ncaph2	0.63761	0.621309	0	1	1
Ncaph2_j4	0.0686928	0.199581	0	1	1
Mapk8ip2_j4	84.625	79.8843	0	1	1
Shank3_j5	0	0.0538716	1.79769e+308	0.164617	1
Shank3_j10	0.563463	0.497555	-0.179464	0.552857	0.81679
Shank3_j12	2.3502	2.55874	0.122648	0.553258	0.817109
Lrrk2_j1	0.104164	0.15727	0.594391	0.204125	0.548338
Cntn1_j5	40.1085	39.8502	0	1	1
XLOC_011225	0.125558	0.245725	0.968693	0.342428	0.68221
Pphln1_j4	0	0.225696	0	1	1
Pphln1_j5	1.45125	1.03434	0	1	1
Pfkm_j1	23.3669	27.4653	0	1	1
Ccdc65_j5	0.389778	0.487176	0.321793	0.464191	0.764606
Prph	0.0577599	0.0370939	0	1	1
Prph_j9	33.9998	30.7856	0	1	1
Spats2_j1	5.49978	5.78598	0	1	1

Spats2_j5	5.47571	5.05379	0	1	1
AK007210_j1	0.186049	0.187008	0.00742256	0.989203	0.996607
Prpf40b_j9	4.25949	3.90168	-0.126583	0.445007	0.752703
Tmbim6_j3	8.77546	26.4747	0	1	1
XLOC_011260	0.0237453	0.105073	2.14568	0.215884	1
Smarcd1_j3	0	0.0487419	1.79769e+308	0.0178836	1
Larp4_j6	1.4661	2.3141	0.658465	1	1
Dip2b_j5	0	0.687667	0	1	1
Mettl7a1_j2	7.09456	13.2838	0	1	1
Mettl7a2	23.2762	43.1471	0	1	1
Dazap2_j1	0.355148	0.419172	0	1	1
Slc4a8_j2	0.0919456	1.20828	0	1	1
XLOC_011277	0.0744139	0.0905013	0.282367	0.824283	1
Eif4b_j1	0	0.23867	0	1	1
Soat2_j1	0.101381	0.292193	1.52714	0.0408771	0.227101
Zfp740_j6	0.816369	1.02765	0	1	1
Espl1_j9	0.208504	0.321617	0.625269	0.540908	0.809097
Amhr2_j4	0.088446	0.0518288	-0.771043	0.714926	1
Pcbp2_j4	1.97639	1.84544	-0.0989056	0.546453	0.81297
Tarbp2_j2	0.0916329	0.255469	1.47921	0.107529	0.407699
Tarbp2_j1	0	0.0708813	1.79769e+308	0.101091	1
Hoxc11_j3	0.0721374	0.43665	2.59766	0.0100515	0.0858546
Hoxc4_j1	0.496764	0.74133	0	1	1
Hoxc5	0.271924	0.441298	0	1	1
XLOC_011305	0.438838	0.37911	-0.211072	0.479565	0.773715
Hnrnpa1_j2	4.62184	5.02257	0.119957	0.495045	0.782733
Pde1b	0.595391	0.473594	-0.330187	0.313739	0.658038
Skp2	0.00636136	0.126575	4.31451	0.21686	1
Dnajc21_j3	0.17865	0.80747	0	1	1
Rai14_j4	0	0.095164	0	1	1
6030458C11Rik	0.3276	0.332231	0	1	1
XLOC_011345	0.116906	0.337837	1.53098	0.169791	0.506768
Fam105a_j2	0.0613391	0.114552	0.901128	0.446542	1
Trio_j7	5.09398	4.49531	0	1	1
Trio_j8	0.813639	0.608107	0	1	1
Ropn1_j2	0	0.206063	1.79769e+308	0.044534	0.240823
March6_j2	12.3794	14.3569	0	1	1
Ankrd46_j1	1.2645	1.47176	0	1	1
Snx31_j1	0.0844976	0.0561345	-0.590022	0.681937	1
XLOC_011367	0.111626	0.0677959	-0.719407	0.568264	1
Ncald_j1	0	0.774021	0	1	1
Ubr5	2.03206	2.15607	0	1	1
XLOC_011378	0	0.134792	1.79769e+308	0.0465812	1
Slc25a32	2.18239	2.14229	0	1	1
XLOC_011380	0.448195	0.465616	0.0550135	0.887723	0.964522
Dpys_j3	0.0513072	0.146686	1.5155	0.31666	1
Nudcd1_j1	1.86501	1.70103	0	1	1

Sybu_j4	0.419368	0.447513	0	1	1
Csmd3_j2	0.157522	0.190488	0.274146	0.686421	0.883186
Eif3h_j2	15.1348	14.46	-0.0657969	0.679291	0.879479
Enpp2_j1	0	0.054704	1.79769e+308	0.0602313	1
Enpp2_j2	0.00605642	0.544654	6.49073	0.0065844	0.0627764
XLOC_011407	0	0.106395	1.79769e+308	0.027761	1
XLOC_011407	0.0530018	0.118433	1.15996	0.228889	1
Tmem65_j1	14.5283	19.6151	0	1	1
Mtss1_j2	8.00501	9.95625	0.314698	0.0142436	0.110857
Fam49b_j2	0.34013	0.18512	0	1	1
Asap1_j5	1.67479	4.05172	0	1	1
Asap1_j8	3.30349	2.37044	0	1	1
Lrrc6_j2	0	0.0839479	1.79769e+308	0.0579319	1
Ndr1_j5	25.2151	42.3408	0	1	1
Zfat_j7	0.057265	0.302293	2.40022	0.0002383	0.004434
XLOC_011435	0	0.074031	1.79769e+308	0.106475	1
Ptk2_j5	2.74801	3.30141	0	1	1
Ptk2_j6	1.92299	3.46114	0	1	1
Slc45a4_j3	1.38815	1.06664	0	1	1
Gml_j1	0.062957	0.150902	1.26117	0.46697	1
Ly6a_j1	0	0.345985	0	1	1
Ly6c1_j5	3.22307	4.23176	0	1	1
Ly6c1_j6	0.655541	0.835753	0	1	1
Zc3h3_j6	0.842746	1.18021	0.485871	0.352159	0.689187
Scrib_j4	0	0.472408	0	1	1
Scrib_j5	0.0605238	0.124055	0	1	1
Puf60_j3	9.62852	17.6205	0	1	1
Bop1_j1	0	0.0695271	0	1	1
Dgat	6.87465	9.21836	0.423222	0.0421969	0.232106
Fbxl6_j1	1.53397	1.93225	0.333016	0.181502	0.521516
Cpsf1_j6	0.322858	0.720023	0	1	1
Cpsf1_j8	0.804688	0.682946	0	1	1
Vps28_j4	0.94829	0.598575	-0.663796	0.191566	0.533749
Recql4_j2	0.225236	0.253839	0.172479	0.644411	0.862845
Arhgap39_j6	0	0.22246	1.79769e+308	3.16E-07	1.49E-05
Arhgap39_j12	0.207185	0.323827	0.644302	0.184238	0.524798
Rbfox2_j1	12.5378	13.4408	0	1	1
Rbfox2_j2	0.828394	0.990825	0	1	1
Rbfox2_j3	4.24082	3.43201	0	1	1
Apol9a	0.000145978	0.134169	9.84409	0.908637	1
Apol9a_j3	0	0.158954	1.79769e+308	0.0227428	0.153986
Apol10b	0.0707256	0.153354	1.11656	0.241016	1
Eif3d_j4	0	1.02641	0	1	1
Cacng2_j1	0.658677	0.394838	-0.73831	0.0319924	0.193948
Tmprss6_j7	0.0388405	0.106095	1.44973	0.352376	1
C1qtnf6_j3	0.0454555	0.0889977	0.969313	0.361475	1
C1qtnf6_j4	0	0.0503699	1.79769e+308	0.0733345	1

Card10_j3	0.675058	1.00293	0	1	1
Card10_j4	0.541804	0.816088	0	1	1
Lgals2_j2	0.220012	0.381672	0.794748	0.1698	0.506768
Ankrd54_j2	0.30627	0.314145	0.0366282	0.952131	0.986165
1700088E04Rik_j3	1.27686	1.208	0	1	1
Baiap2l2_j1	0.103973	0.0283183	-1.8764	0.48397	1
Baiap2l2_j5	0.126564	0.277759	1.13397	0.439867	0.749306
Tmem184b_j3	0	0.0733568	0	1	1
4933432B09Rik_j10	0.116475	0.0987377	-0.238353	0.807502	1
Sun2_j1	1.35014	2.10401	0	1	1
Cbx7_j4	0.999902	1.11234	0	1	1
Pdgbf_j1	0	0.113893	1.79769e+308	0.0422045	1
St13_j1	1.89741	1.7475	0	1	1
Rangap1_j6	0.168787	0.175658	0	1	1
Pppde2_j1	2.77842	4.58322	0	1	1
Nhp2l1_j3	16.6557	18.6864	0	1	1
Tnfrsf13c	0.0296256	0.08786	1.56836	0.334456	1
Cenpm	0.0582177	0.0649642	0.158186	0.899889	1
Naga_j1	3.59163	4.36239	0.280481	0.242991	0.59044
Naga_j3	0.946718	0.607288	-0.640554	0.102239	0.396277
Cyp2d22_j2	0.304297	0.501996	0.722196	0.10283	0.39727
Cyp2d22_j1	0.428332	0.451602	0.0763235	0.861752	0.956305
Nfam1_j2	4.40E-05	0.263625	12.5485	0.948196	0.984985
Pacsin2_j3	5.0408	2.85859	0	1	1
Pacsin2_j4	0.451297	8.9268	0	1	1
Mcat_j4	0.000429477	0.444033	0	1	1
Scube1_j1	0.0155372	0.138279	3.15378	0.0592184	1
Scube1_j2	5.01E-05	0.0968085	10.9158	0.945457	1
Sult4a1_j5	0.113035	0.121606	0	1	1
Phf21b_j1	0.151993	0.267546	0.815784	0.182829	0.523288
5031439G07Rik_j1	0.49839	0.624609	0	1	1
Cerk_j3	12.3629	11.9283	0	1	1
Brd1_j7	0.31397	0.177974	0	1	1
Plxb2_j4	0.751683	0.68175	0	1	1
Fam116b_j5	0.550255	0.798556	0	1	1
Sbf1_j9	6.68267	10.0969	0	1	1
Lmf2_j4	0.260816	0.474784	0	1	1
Odf3b_j1	0.031994	0.109004	1.76851	0.248385	1
Cpt1b_j1	0.0801727	0.271037	1.75731	0.034854	0.205078
Chkb_j3	1.54177	1.8039	0	1	1
Cpne8_j3	0.927283	1.30648	0.494602	0.0883952	0.364201
Kif21a_j7	24.7673	30.1378	0	1	1
Kif21a_j8	14.1395	14.9883	0	1	1
Zcrb1_j1	21.9759	21.3139	0	1	1
Zcrb1_j2	8.47887	10.4184	0	1	1
Prickle1_j3	4.16E-05	0.11722	11.4605	0.919615	1
Dbx2_j4	5.63E-05	0.118442	11.0383	0.974526	1

Dbx2_j5	0	0.175152	1.79769e+308	0.0394689	0.222024
Scaf11_j5	0.360592	0.14531	-1.31124	0.0021418	0.0263255
Slc38a2_j6	14.2522	16.0614	0	1	1
Slc38a2_j8	3.33624	2.85058	0	1	1
Amigo2_j1	1.94311	2.47586	0	1	1
Rapegef3_j5	0	0.20444	1.79769e+308	0.0009143	0.0133146
Hdac7_j1	0.0724139	0.0817945	0	1	1
Zfp641_j4	0.0543723	0	-1.79769e+308	0.0035734	1
Zfp641_j3	0	0.0922627	1.79769e+308	0.0046988	1
2310037124Rik_j9	8.8941	9.95512	0.162589	0.284136	0.63283
Adcy6_j7	0.133405	0.107563	-0.310635	0.79208	1
Adcy6_j9	0	0.0545184	1.79769e+308	0.0486228	1
Adcy6_j14	0.177321	0.625959	1.81971	0.0005835	0.0092671
Ddx23_j2	0.449559	0.688091	0.614088	0.0025257	0.0300979
Ddx23_j3	0.137266	0.113955	-0.268509	0.505583	0.78837
Arf3_j1	0	0.726503	0	1	1
Prkag1_j5	0.321293	0.257824	-0.317502	0.635166	0.858486
Mll2_j8	0.0499748	0.0673433	0.430333	0.850841	1
Rhebl1_j6	0.132944	0.121235	0	1	1
Rhebl1_j7	0.0247819	0.0661834	0	1	1
Lmbr1_j1	0.0662987	0.584716	0	1	1
Mcrs1_j6	0.194806	0.196901	0.0154276	0.979521	0.994006
Fmn13_j4	0.636737	1.06371	0.740335	0.0745918	0.329477
Fmn13	0.138649	0.380483	1.4564	0.0017615	0.0225822
Fmn13_j5	0.0536798	0.170154	1.66439	0.0215194	0.148188
Nckap5l_j6	0.363422	0.629151	0	1	1
Lass5_j4	0.0501303	0	0	1	1
Lima1_j3	1.55172	1.98239	0	1	1
Slc11a2_j4	0.63386	0.465448	0	1	1
AK021197	0.394323	0.427678	0.117147	0.780302	0.925835
BC141885_j1	0.0929242	0.233043	1.32647	0.060329	0.289376
Krt80	1.12E-05	0.187316	14.032	0.977208	0.993353
Spryd3_j1	4.72339	16.509	0	1	1
Csad_j2	5.77736	5.5849	0	1	1
Itgb7_j3	0.300644	0.296255	0	1	1
Rarg_j6	0	0.957896	0	1	1
Smug1_j1	0.437228	0.605527	0.469805	0.163265	0.498589
Zfp385a_j4	1.52483	1.66049	0	1	1
Itga5_j6	0.157137	0.494294	0	1	1
Ppp1r1a_j3	0.754447	0.553028	-0.448068	0.572613	0.827161
Zfp263	1.6992	1.95228	0.200304	0.304404	0.650023
Zfp263	1.73205	1.52217	-0.186352	0.452753	0.757765
Zfp174	0.380463	0.306891	-0.310031	0.326243	0.669409
Nat15_j1	5.40254	2.86249	-0.916367	7.23E-06	0.0002336
Nat15	21.845	20.3515	-0.102169	0.321552	0.664637
Dnaja3	1.636	1.68917	0.0461437	0.867889	0.958158
Dnaja3	11.0129	11.6268	0.0782563	0.533838	0.805306

Hmox2	0.293548	0.288772	0	1	1
4930562C15Rik_j1	0.171334	0.0579744	-1.56332	0.0862496	0.358839
Mgrn1_j2	3.46268	3.03655	-0.189455	0.143398	0.470568
Ubn1_j1	4.63112	6.17264	0	1	1
Sec14I5_j6	0.103327	2.52E-05	-12.0019	0.94901	1
Sec14I5_j8	0.0751967	0.0772998	0.0397955	0.958009	1
Alg1	13.3536	11.9797	0	1	1
Rbfox1_j2	0.0501812	0.0891583	0.829222	0.586894	1
Rbfox1_j7	0.805519	0.412044	-0.967122	0.249082	0.596568
Rbfox1_j14	3.28654	4.04064	0	1	1
BC024814	3.8463	3.79935	0	1	1
BC024814_j2	7.19125	6.00285	0	1	1
Pmm2	3.80359	3.9696	0	1	1
1810013L24Rik	11.6193	12.5097	0.106525	0.234183	0.581627
Nubp1_j3	0.237297	0.348041	0	1	1
Clec16a_j1	4.29871	4.9049	0	1	1
Clec16a_j5	0.734534	0.739636	0	1	1
Clec16a_j4	0.847175	0.657734	0	1	1
DQ072382_j1	0.331754	0.116874	-1.50516	0.259666	0.608462
DQ072382_j2	0.377707	0.412588	0.127433	0.553221	0.81708
Snn	0.945449	0.947764	0.00352861	0.978422	0.993756
Snx29_j2	0.54218	0.674689	0.31545	0.285383	0.63418
Ercc4	3.08667	3.08449	-0.00101711	0.99332	0.997985
Mkl2	1.30253	0.889207	0	1	1
Mkl2_j1	0.345377	0.537029	0	1	1
Bfar	12.6262	13.2301	0.0673967	0.506015	0.788576
Rrn3	8.51592	7.98988	-0.0919874	0.397395	0.721699
XLOC_012464	0.162633	0.0497396	0	1	1
2900011O08Rik	3.3698	2.99936	-0.168007	0.216892	0.563076
Nde1	3.82563	4.32778	0.177932	0.252406	0.600415
Abcc1	2.21379	2.46017	0.152243	0.174582	0.512657
Snai2_j2	0.0995238	0.0757692	-0.393432	0.705318	1
Efcab1	1.20667	1.00926	-0.257732	0.30909	0.653841
Prkdc_j1	0.183464	0.0657535	0	1	1
Prkdc_j4	0.258662	0.075322	0	1	1
Prkdc_j9	3.85694	3.6485	0	1	1
Pkp2_j3	0.253583	0.295832	0.222323	0.583654	0.833132
Pkp2	0.439942	0.333322	-0.400395	0.346614	0.685483
Pkp2_j5	0.363921	0.342297	-0.0883795	0.774838	0.923737
Top3b_j1	3.89664	4.06041	0.0593925	0.709924	0.894313
Top3b	2.04281	1.85189	-0.141555	0.520644	0.797932
Top3b_j4	1.84863	2.57477	0.477984	0.0573729	0.280663
Ppm1f	15.9998	15.4937	-0.046378	0.614133	0.847685
Mapk1	22.5637	21.8599	0	1	1
Mapk1	0.0336305	0.074586	0	1	1
Mapk1	0.439501	0.339472	0	1	1
Ydjc	6.62355	8.49281	0	1	1

Snap29	8.51821	9.43684	0.147753	0.153234	0.485466
Crkl_j1	0.10539	0.207853	0	1	1
Crkl	8.15373	7.25504	0	1	1
Aifm3_j1	3.66184	2.14339	-0.772678	0.0001625	0.0032264
Aifm3_j4	0.98192	0.640078	-0.617358	0.0905774	0.369629
Lztr1_j2	1.49875	0	-1.79769e+308	2.39E-23	7.27E-21
Lztr1_j1	16.9007	18.8019	0.153794	0.138533	0.462876
Lztr1_j6	59.4503	77.0219	0.373583	0.0005879	0.0093219
P2rx6	4.5881	3.19389	0	1	1
Smpd4	3.09325	2.44288	0	1	1
Smpd4_j2	3.16202	2.80262	0	1	1
Klhl22_j1	4.42976	4.34686	0	1	1
Klhl22_j4	2.84152	2.78484	0	1	1
Tssk1	0.147693	0.0916105	-0.689014	0.278876	0.627636
Dgcr6_j1	3.53997	3.57055	0.0124092	0.943626	0.983025
Dgcr6	10.39	10.3237	-0.00923604	0.936017	0.980349
Rtn4r	1.36935	1.06324	-0.365028	0.251976	0.599992
Trmt2a	0.570748	0.730196	0.355431	0.124259	0.43928
Arvcf	8.1767	8.72528	0	1	1
Ufd1l	8.61071	8.44042	-0.0288173	0.843345	0.950448
2510002D24Rik	2.35312	2.12495	-0.147144	0.515904	0.794623
XLOC_012499	0.186378	0.226929	0.284007	0.837006	0.947826
B3gnt5	0.468536	0.272506	-0.781874	0.046555	0.247407
B3gnt5_j2	0.151178	0	-1.79769e+308	2.56E-05	0.0006767
B3gnt5_j4	0.289604	0	-1.79769e+308	1.08E-08	7.49E-07
Klhl24	5.24633	5.88318	0	1	1
Yeats2_j2	0.650249	0.579779	0	1	1
Yeats2_j4	0.308607	0.0707363	0	1	1
Eif2b5	17.5137	16.546	0	1	1
Dvl3_j1	0.18612	0.0247512	-2.91066	0.0547733	0.273004
Dvl3_j2	0.164549	0.0919494	-0.839605	0.210147	0.554709
Ap2m1_j6	18.0083	19.6027	0.122391	0.185862	0.526194
Ap2m1_j7	4.16022	6.63845	0.674186	1.44E-07	7.41E-06
Abcf3	9.43566	9.15426	-0.0436811	0.667378	0.8742
Ece2_j4	10.7432	11.7696	0	1	1
Psm2	0	0.239406	1.79769e+308	0.000933	0.0135229
Eif4g1_j1	0.516305	0.938413	0	1	1
Eif4g1_j7	0.107762	0.0561688	0	1	1
Fam131a_j1	0.940552	0.979931	0	1	1
Fam131a	14.9605	12.1544	0	1	1
Polr2h	0.525474	0.319235	0	1	1
Polr2h_j3	3.29823	2.51491	0	1	1
Polr2h_j4	4.68425	5.39014	0	1	1
Ephb3_j2	0.0993342	0.105332	0.0845768	0.919172	1
Vps8_j2	0.489191	0	-1.79769e+308	4.55E-14	7.89E-12
Vps8_j7	2.24457	2.25522	0.00682599	0.976384	0.993154
Map3k13_j1	1.06807	0.678108	-0.655415	0.0008629	0.0127039

Senp2	15.9216	16.1696	0.0223013	0.807384	0.936475
Dnajb11	19.8792	20.2992	0.030158	0.7716	0.922388
Hrg_j3	0.0589753	0 -1.79769e+308		0.0830145	1
Eif4a2_j1	1.32896	0.689404	0	1	1
St6gal1	6.35072	5.02802	0	1	1
AK144897_j3	0.130425	0 -1.79769e+308		0.0600451	1
AK144897_j2	0.49096	0.438034	-0.164562	0.806783	0.936131
AK144897_j9	0.129279	0.0919246	-0.491967	0.744432	1
Rtp4_j2	0.431281	0.141319	-1.60967	0.0467475	0.248008
Rtp4_j3	0.381528	0 -1.79769e+308		0.0004834	0.0079174
Lpp_j6	0.176211	0.167552	-0.0726918	1	1
Tprg_j2	0.0804716	0.0417851	-0.945491	0.530327	1
Trp63_j2	0.138033	0 -1.79769e+308		0.0271824	0.174171
Il1rap	0.9736	0.971096	-0.0037151	0.984606	0.995392
Ccdc50	0.330041	0.424551	0	1	1
Hrasls	0.699142	0.433929	-0.688127	0.0829552	0.350926
Hrasls	2.35891	1.5795	-0.578654	0.0057862	0.05688
Opa1	7.02159	6.47588	0	1	1
Opa1_j1	4.14227	3.07784	0	1	1
Opa1_j5	26.4289	23.9167	0	1	1
4632428C04Rik_j3	2.10248	0.702243	0	1	1
Hes1	3.39709	3.38713	-0.00423805	0.982227	0.994604
Fam43a	2.19832	2.13138	-0.0446117	0.785936	0.928311
Bdh1	1.1151	1.18096	0.0827949	0.626767	0.854266
Dlg1_j1	0.153787	0 -1.79769e+308		1.01E-05	0.0003111
Dlg1	0.558798	0.428939	-0.381556	0.269549	0.618722
Dlg1_j7	0.211156	0.2834	0.424529	0.376908	0.70877
Gm15703	4.6801	4.16013	-0.16991	0.38687	0.714815
Ncbp2_j1	10.3232	11.0592	0.099359	0.283461	0.631874
1500031L02Rik	17.7105	16.9144	-0.0663515	0.52789	0.801781
Rnf168	7.96005	7.97528	0.0027569	0.979158	0.993951
Ubxn7	5.61088	4.79081	-0.227958	0.0224168	0.152659
Ubxn7_j1	0.0671664	0 -1.79769e+308		3.90E-05	1
Tctex1d2	8.259	7.62847	-0.114572	0.492641	0.781139
Pcyt1a	2.85052	2.5405	0	1	1
Pcyt1a	0.667407	0.721401	0	1	1
Pcyt1a_j3	9.01028	10.2948	0	1	1
Zdhhc19_j1	0.238169	0.140426	-0.762171	0.189298	0.530986
Tfrc	23.6606	16.2683	0	1	1
Tfrc_j2	6.83681	12.6916	0	1	1
Tnk2_j1	2.94671	1.83694	0	1	1
Tnk2_j10	12.014	11.012	0	1	1
Tnk2_j12	1.05312	0.55097	0	1	1
Fyttd1	10.2772	9.11567	-0.17303	0.135656	0.458263
Lrch3	1.20263	0.746553	0	1	1
Lrch3_j1	0.696031	0.715209	0	1	1
Lmln	3.91258	2.81098	-0.477047	8.46E-05	0.0018588

Osbpl11	3.64426	4.09578	0.168512	0.208525	0.552571
Osbpl11_j3	0.613792	0.727829	0.24585	0.535655	0.80631
Snx4_j2	0.155076	0 -1.79769e+308		0.0006987	0.0107098
Snx4_j1	3.09304	3.0716	-0.0100347	0.960692	0.988891
Zfp148	0.00587621	0.132824	0	1	1
Zfp148_j4	1.72721	0.723203	0	1	1
Heg1_j1	0.686837	0.619721	0	1	1
Itgb5_j1	0.486194	2.34019	2.26702	3.16E-07	1.49E-05
Ccdc14	0.356426	0.196872	-0.856341	0.0486515	0.254131
Mylk_j4	0.222225	0.0703497	-1.6594	0.0670891	0.309734
Ptplb	0.938995	0.238405	-1.9777	3.06E-06	0.0001108
Adcy5	7.30714	7.27083	0	1	1
Sema5b	0.342899	0.22025	-0.63864	0.101364	0.394329
Kpna1_j1	14.1114	11.1251	0	1	1
Iqcb1_j1	2.36635	1.82292	0	1	1
Iqcb1_j4	3.99819	3.61148	0	1	1
Iqcb1_j6	0.344407	0.146753	0	1	1
Golgb1_j4	0.905728	0.915834	0	1	1
Hcls1	0.876194	1.58497	0.855131	0.0002254	0.004238
Rabl3	6.27153	6.01239	0	1	1
Lrrc58	0.493981	0.504201	0	1	1
Gpr156_j3	0.0999032	0 -1.79769e+308		0.0002517	1
Gpr156	0.676336	0.735985	0.121936	0.628383	0.855356
Gpr156_j5	0.445355	0.29835	-0.577947	0.169036	0.505791
Gsk3b_j1	1.3398	1.18415	0	1	1
Gsk3b_j2	39.0343	37.6448	0	1	1
Cox17	67.8442	64.3364	-0.0765914	0.495039	0.782733
Popdc2_j3	0.310755	0 -1.79769e+308		0.0002009	0.0038528
Tmem39a_j6	0.393242	0.0310921	-3.66079	0.0057264	0.0563831
Tmem39a	0.583787	0.703147	0.268384	0.449317	0.755468
Tmem39a_j5	0.0900857	0 -1.79769e+308		0.0039559	1
B4galt4	5.36358	4.84054	-0.148029	0.355318	0.691299
Igsf11	5.03569	5.38918	0.0978752	0.43724	0.747555
Lsamp_j3	2.40134	1.98938	-0.271516	0.328108	0.670681
Lsamp_j5	12.2155	8.40956	0	1	1
BC002163	113.214	116.17	0.0371912	0.698402	0.888784
Zbtb20_j3	0.100059	0 -1.79769e+308		6.74E-15	1
Zbtb20_j5	0.761018	0.342788	-1.15061	9.40E-11	9.64E-09
Zbtb20_j10	0.389563	0.159858	-1.28506	1.62E-07	8.20E-06
Zbtb20_j12	0.287323	0.324967	0.177621	0.384422	0.713264
2610015P09Rik_j1	0.834759	0.495748	-0.751753	0.0167796	0.124626
Naa50	8.30648	8.46731	0	1	1
Naa50	4.66973	4.37949	0	1	1
Gm608_j1	0.553963	0.454247	-0.286314	0.183588	0.52417
Spice1	1.6767	1.4474	-0.212159	0.245477	0.592921
BC027231	0.615624	0.549428	-0.164118	0.383367	0.713019
Ccdc80	0.544522	0.33288	0	1	1

XLOC_012612	0.149373	0.12852	-0.216926	0.695333	0.887572
Gm7204	80.4652	81.9738	0.0267995	0.778302	0.925153
Morc1_j2	0.0592801	0.0164299	-1.85122	0.43314	1
Retnlg	1.68133	0.455846	-1.88298	8.26E-05	0.0018229
Myh15_j2	0.081738	0 -1.79769e+308		0.0062038	1
Ift57	8.4086	8.05109	0	1	1
Cblb	2.19433	3.56262	0	1	1
Zbtb11	2.35075	2.15285	0	1	1
Zbtb11_j2	3.59458	3.18785	0	1	1
Senp7_j3	0.0886864	0 -1.79769e+308		0.0031446	1
Abi3bp_j5	1.80854	1.43225	0	1	1
Tomm70a	3.67103	3.32781	0	1	1
Dcbld2	2.19597	1.72753	0	1	1
Cpox	8.31606	7.57755	-0.134168	0.245675	0.593119
Cldnd1_j3	15.4779	17.4921	0	1	1
Cldnd1_j2	15.8726	17.1924	0	1	1
Mina	2.76124	3.36149	0.283783	0.0386926	0.219137
Gm9027	0.679784	0.869584	0.35525	0.329794	0.671845
Pros1	2.2875	2.82917	0	1	1
Cggbp1	2.90848	3.04306	0	1	1
Cggbp1	8.57659	8.61994	0	1	1
Vgll3_j1	0.533573	0.372017	-0.520317	0.0545349	0.272417
Vgll3_j2	0.0573655	0 -1.79769e+308		0.0014785	1
Gbe1_j1	3.94927	3.18824	0	1	1
Gbe1	6.14897	5.51311	0	1	1
Robo1_j9	0.792589	0.725788	-0.127026	0.720481	0.899844
Rbm11	13.776	11.3483	-0.27968	0.0059908	0.0584671
Usp25	3.39738	2.5011	-0.441859	0.0094394	0.0820891
Usp25_j4	4.29803	3.86952	-0.151522	0.372792	0.705714
Cxadr_j1	0.108158	0.110233	0.0274174	0.982326	1
Chodl	1.06873	0.662498	-0.689905	0.0117417	0.0965344
Ncam2	1.14962	0.955376	-0.267017	0.328612	0.671147
Ncam2	1.98735	1.60406	-0.309122	0.0274374	0.175183
Jam2	3.45272	2.45971	0	1	1
Jam2_j1	6.50112	5.302	0	1	1
Jam2_j3	0.703258	1.15226	0	1	1
Gabpa	2.10389	2.35315	0	1	1
Gabpa	2.4011	2.18694	0	1	1
N6amt1	8.68041	8.63755	-0.00714017	0.95807	0.987996
N6amt1_j1	0.24297	0.27046	0.154637	0.84297	0.950311
Bach1	0.800619	1.08718	0	1	1
Sod1_j1	6.69519	6.93407	0.0505789	0.748838	0.912687
Sod1_j3	37.66	41.4718	0.139098	0.208106	0.55225
Hunk_j1	0	0.119274	0	1	1
Hunk	0.719126	0.556859	0	1	1
AK090163_j1	0.265969	0.128127	-1.05368	0.163241	0.498589
AK090163	0.0736681	0.0627712	-0.230939	0.818262	1

Mrap	0.267934	0.283121	0.0795409	0.88143	0.962341
Mrap_j1	0.817535	0.563476	-0.536927	0.260963	0.609903
4931408A02Rik	0.314715	0.0351355	-3.16305	5.31E-11	5.73E-09
Ifnar2	2.31789	2.90596	0	1	1
Il10rb	5.46822	6.33134	0.21144	0.188199	0.529448
Il10rb_j1	21.7949	27.1479	0.316854	0.0019834	0.0248178
Ifnar1	8.62701	9.18959	0.0911394	0.347671	0.686258
Ifngr2	29.4612	27.7291	-0.0874116	0.370603	0.703657
Son	19.8265	19.7342	-0.00673084	0.938708	0.981299
Itns1	5.69624	5.78034	0.0211442	0.849299	0.952228
Itns1_j2	1.92176	2.38034	0.308738	0.173057	0.510745
Mrps6	18.2297	19.7465	0.115303	0.398324	0.722444
Fam165b	5.60662	5.11608	-0.132092	0.625346	0.853869
Cbr1	0.0345714	0.128126	1.88991	0.244483	1
Cbr1_j4	14.1885	16.0929	0.181701	0.330328	0.672202
Dopey2_j1	10.8403	8.67128	-0.322083	0.001054	0.0148908
Dopey2_j2	0	0.081942	1.79769e+308	0.0021961	1
Morc3	2.79154	1.97191	0	1	1
Morc3_j3	0.0671473	0	0	1	1
Chaf1b	0.151681	0.0637084	-1.25148	0.178737	0.518255
Chaf1b_j1	0.074298	0.09428	0.343628	0.760634	1
Chaf1b_j3	0.641224	0	-1.79769e+308	9.18E-10	7.70E-08
Ttc3_j2	6.98508	4.77007	0	1	1
Ttc3_j1	0.441731	0.361315	0	1	1
Dyrk1a_j1	3.64851	2.43829	0	1	1
Dyrk1a_j3	0.744614	0.744415	0	1	1
Ets2	5.38949	7.78213	0.530015	6.88E-06	0.0002241
Wrb	8.19813	8.91243	0	1	1
Wrb_j3	9.08582	8.50994	0	1	1
Sh3bgr_j2	0.358556	0.0316852	-3.50032	0.0795329	0.342515
Sh3bgr_j4	0.645188	0.508844	-0.342498	0.666504	0.873739
B3galt5_j1	0.674664	0.103291	0	1	1
B3galt5	3.2645	2.4599	0	1	1
Pcp4	235.851	166.365	0	1	1
Bace2	1.35916	1.13252	-0.263175	0.0950853	0.38063
Mx2_j3	0.235765	0	-1.79769e+308	1.48E-05	0.0004315
Mx2	0.127979	1.01841	2.99234	2.16E-08	1.41E-06
Mx2_j7	0.120694	0	-1.79769e+308	0.0017167	1
Zfp597	0.397704	0.388796	-0.0326796	0.924834	0.976561
Zfp597_j1	2.47625	2.38838	-0.0521198	0.716078	0.897497
1700037C18Rik	1.0364	1.02623	-0.0142277	0.965856	0.9902
Nlrc3_j1	0.0900438	0.0126109	-2.83596	0.172441	1
Nlrc3_j2	0.0604407	0	-1.79769e+308	0.0174429	1
Nlrc3_j3	0.102345	0.163358	0.674595	0.306784	0.651982
Btbd12	0.392827	0.436258	0.151286	0.781699	0.926325
Slx4_j8	0.00656898	0.151133	4.52401	0.0023074	1
Slx4_j11	0.176377	0.0283233	-2.6386	0.0383914	0.217988

Trap1_j1	4.36173	4.34951	0	1	1
Trap1_j7	11.099	10.0881	0	1	1
Crebbp_j3	2.93311	3.82303	0.382285	0.0035041	0.0389704
Crebbp	1.27983	1.05264	-0.281935	0.0934371	0.376444
Adcy9	3.13725	2.41836	0	1	1
Srl_j2	1.6105	1.62858	0.0161089	0.933084	0.979673
Tcfap4_j3	0.108387	0 -1.79769e+308	0.0105234		1
Tcfap4	0.843729	0.571543	-0.561917	0.0852352	0.356401
Coro7_j4	5.73821	5.98613	0	1	1
Coro7_j7	2.31256	3.3232	0	1	1
Nmral1	1.09169	1.16312	0.091426	0.747473	0.912113
5730403B10Rik	8.06215	8.20895	0	1	1
5730403B10Rik	5.15804	5.09997	0	1	1
Fam100a	42.3807	43.329	0.0319259	0.748706	0.912595
Rogdi	32.637	32.4958	-0.00625779	0.950915	0.985847
Glyr1_j4	14.5297	16.7136	0	1	1
Glyr1_j5	0.890772	0.874398	0	1	1
Glyr1_j8	0.793465	0.455127	0	1	1
Glyr1_j9	0.637345	1.00251	0	1	1
Glyr1	4.78319	4.84571	0	1	1
Ppl_j1	0.187222	0.0599423	-1.64311	0.0102605	0.0871661
Nagpa	1.12333	1.2745	0	1	1
AU021092	0.509905	0.359718	-0.503361	0.222733	0.56968
Fam86	2.26779	1.88059	0	1	1
Tmem114	0.251869	0.173304	-0.539371	0.437404	0.747672
Carhsp1_j1	4.79511	9.07633	0	1	1
Usp7	14.1779	13.5977	0	1	1
Emp2	14.1056	13.3145	-0.0832686	0.414856	0.73287
Tekt5	1.00275	0.799617	-0.326577	0.202945	0.546795
Fam18a_j2	1.56369	1.50255	0	1	1
Dexi_j2	0.186309	0.210191	0.173999	0.89787	0.967543
Dexi	12.5383	10.5694	-0.246448	0.0373865	0.214381
Socs1	0.694799	0.694359	-0.000913887	0.998488	0.99937
Litaf	7.87994	9.21025	0.225055	0.0759911	0.332943
Txndc11	3.68323	3.45574	-0.091976	0.4997	0.784721
Rsl1d1	20.689	21.8296	0.0774247	0.448266	0.754844
Gspt1	2.26211	2.47943	0.132343	0.367078	0.700519
Cpped1_j1	0.39627	0.296182	-0.42	0.387832	0.715426
Parn	6.34777	5.90968	-0.103169	0.43776	0.747827
Pdxdc1	6.05692	6.02399	0	1	1
4921513D23Rik_j3	12.6802	11.8195	0	1	1
4921513D23Rik_j5	2.41726	2.87035	0	1	1
4921513D23Rik	4.85282	4.16976	0	1	1
Myh11_j3	0.112164	0.403795	1.84801	0.0004556	0.0075388
Myh11_j4	0.0683591	0.0680109	-0.00736671	0.992772	1
0610037P05Rik_j1	1.31563	1.19076	0	1	1
0610037P05Rik	13.1965	11.7397	0	1	1

0610037P05Rik	11.8991	12.9167	0	1	1
Ube2v2_j3	2.75116	1.93912	0	1	1
Ube2v2_j2	1.12428	0.485579	0	1	1
Ube2v2	5.54421	4.67566	0	1	1
Mcm4	3.86557	3.82081	-0.016803	0.901741	0.968734
Mzt2	10.8346	11.0061	0.0226526	0.868728	0.958389
2310008H04Rik	1.14614	1.24393	0.118121	0.557721	0.819799
Dnm1l	9.82839	6.55894	0	1	1
Dnm1l_j6	18.3113	16.5033	0	1	1
Fgd4_j9	0.216167	0.0759807	-1.50844	0.19346	0.535786
Fgd4_j4	0.0757287	0 -1.79769e+308	0.0064018		1
Fgd4	0.324735	0.596584	0.877463	0.0008086	0.0120716
Fgd4	0.241084	0.0963651	-1.32295	0.0398661	0.223369
Sdf2l1	9.09385	11.9633	0.395651	0.008421	0.0753764
Ube2l3_j6	0.557722	0.985083	0.820699	0.0283059	0.178692
Pi4ka_j8	16.986	15.3353	-0.147494	0.112464	0.41729
Pi4ka_j9	5.59731	4.97787	-0.169204	0.15186	0.483219
Slc7a4_j1	0.243041	0	0	1	1
Med15_j5	0.669057	0.514099	0	1	1
Med15	8.2056	6.49922	0	1	1
Dgcr2_j6	22.3503	24.2001	0	1	1
Dgcr14_j1	0.598263	0.595847	-0.00583878	0.989204	0.996607
Dgcr14_j2	0.126686	0.119544	-0.083722	0.92112	1
Dgcr14	5.90303	5.77257	-0.0322428	0.813959	0.939357
Slc25a1_j2	18.1689	22.8738	0	1	1
Slc25a1	28.543	28.2155	0	1	1
4933432I09Rik_j2	0.0302166	0.0712036	0	1	1
4933432I09Rik_j1	0.145878	0.12586	0	1	1
Zdhhc8_j3	2.12778	2.72767	0	1	1
Zdhhc8_j4	0.247359	0.041609	0	1	1
Zdhhc8_j9	6.97649	6.55986	0	1	1
Ranbp1_j2	21.2386	25.7238	0.276413	0.0282596	0.178512
Dgcr8_j2	3.60994	4.11836	0.190093	0.0731124	0.325538
D16H22S680E	21.8314	24.273	0	1	1
D16H22S680E_j4	11.4897	9.2328	0	1	1
Comt_j1	0.306813	0.325411	0	1	1
Comt_j5	0.828806	3.92945	0	1	1
Mrpl40	1.73128	1.78639	0.045211	0.878651	0.961245
A930003A15Rik	0.202776	0.430543	1.08627	0.111414	0.415473
Klhl6_j5	0.172222	0.187847	0.125294	0.910988	0.972049
Klhl6_j6	0.152291	0 -1.79769e+308	0.0004325		0.0072098
Klhl6_j7	0.316204	0.217178	-0.541974	0.492562	0.781115
Map6d1	0.981169	0.716719	-0.453095	0.0923487	0.37398
Parl_j1	1.05204	0 -1.79769e+308	7.19E-10		6.19E-08
Abcc5	6.65456	5.95252	0	1	1
Alg3	0.300565	0.400165	0.412919	0.137213	0.460677
Camk2n2	30.7116	26.9797	-0.186909	0.0499095	0.258155

Clcn2_j4	1.4052	1.55602	0	1	1
Gm8017	124.586	149.938	0.267225	0.0038452	0.0416841
XLOC_012801	0.245849	0.0811912	-1.59838	0.120449	0.432238
2510009E07Rik_j1	20.6933	19.7281	0	1	1
2510009E07Rik	9.23822	6.79794	0	1	1
Ehhadh	1.22992	1.26163	0.0367143	0.876414	0.960747
Ehhadh_j4	0.933619	0.672209	-0.473924	0.144538	0.471765
Tmem41a_j1	5.6385	4.3724	0	1	1
Tmem41a	16.4536	16.3662	0	1	1
Igf2bp2_j5	0.237129	0.447284	0.915517	0.0826021	0.350285
Tra2b_j1	0.199963	0.106909	-0.903351	0.0507918	0.260997
Etv5_j1	7.38523	6.14972	0	1	1
Etv5_j2	0.406988	0.441471	0	1	1
Dgkg	0.61929	0.421063	0	1	1
Tbccd1_j5	1.59477	2.15436	0.433909	0.098138	0.387205
Tbccd1	1.46327	0.973047	-0.58861	0.0437203	0.237773
Tbccd1_j3	3.01888	2.75509	-0.131913	0.443357	0.751273
Masp1	0.849988	1.04591	0.29924	0.161628	0.496593
Masp1	3.00321	2.38034	-0.335335	0.0593048	0.286271
Sst	3.3749	3.24144	-0.0582076	0.784874	0.927751
Bcl6_j1	2.58564	3.41486	0	1	1
Bcl6_j2	0.498289	0.00422561	0	1	1
Bcl6	5.14468	3.80274	0	1	1
AK039760	0.768741	0.607696	-0.339147	0.562178	0.822061
AK004252	1.17632	1.43475	0.286526	0.435317	0.746211
Leprel1	0.313824	0.4042	0.365113	0.360885	0.695659
Cldn1	2.38857	2.99843	0.328059	0.034583	0.204167
Uts2d	3.48795	1.95744	-0.833415	0.0010019	0.0143461
Fgf12	5.66963	4.54915	0	1	1
Fgf12_j2	1.41775	0.648187	0	1	1
Fgf12	5.19066	3.39505	0	1	1
Fgf12_j8	0.0615659	0.0301002	0	1	1
1600021P15Rik	4.84575	4.14771	-0.224404	0.112669	0.417775
Atp13a4_j5	0.088858	0 -1.79769e+308	0.028503	0.028503	1
AK165338_j1	0.000648508	0.193549	8.22136	0.199003	0.542173
AK165338_j2	0.100849	0 -1.79769e+308	6.04E-05	6.04E-05	1
AK165338_j11	0.375847	0.331903	-0.179386	0.790289	0.930148
Atp13a3	2.64109	3.1458	0	1	1
Atp13a3_j7	1.16321	0.0278919	0	1	1
Tmem44_j5	0.0609976	0.0368735	-0.726168	0.456686	1
Lsg1	6.54799	6.25005	-0.0671851	0.609719	0.846292
AI480653_j4	0.262389	0	0	1	1
AI480653	1.97187	1.3907	0	1	1
Acap2_j1	2.61204	1.98162	0	1	1
Apod_j2	5.81675	9.44523	0	1	1
Senp5_j6	0.250969	0.0297787	0	1	1
Senp5	1.8124	1.6137	0	1	1

Pak2	5.56639	5.27965	0	1	1
Lrrc33	0.369804	0.185055	-0.998806	0.0858583	0.357681
Lrrc33_j1	0.227145	0	-1.79769e+308	4.95E-05	0.0011837
Lrrc33	0.398528	0.496138	0.316059	0.452558	0.757663
Fbxo45	5.88745	5.32118	0	1	1
Osta	1.13589	0.654369	0	1	1
1700021K19Rik_j5	3.26972	4.0013	0	1	1
1700021K19Rik	4.73898	6.15691	0	1	1
AK160141	0.235755	0.172339	-0.452042	0.569673	0.825926
Umps	3.5177	3.87133	0.138197	0.324024	0.667119
Sec22a	5.00207	4.50683	-0.150412	0.400719	0.724121
Pdia5	3.30242	3.56104	0	1	1
Dirc2_j2	5.23373	5.87072	0.165697	0.376068	0.708118
Dirc2	0.723178	0.559202	-0.370982	0.157069	0.490842
Parp14_j1	0.105742	0.0414144	-1.35234	0.0802371	1
Parp14	0.470599	0.656056	0.479321	0.0442704	0.239961
AK144265_j2	0.468286	0.396203	0	1	1
Fam162a	7.14608	7.29453	0.0296635	0.863885	0.956651
Cd86	0.202942	0.480273	1.24279	0.001411	0.0188111
Slc15a2	0.630234	0.215751	-1.54652	0.0005845	0.0092745
Fbxo40	0.583911	0.0394762	-3.88669	5.22E-06	0.0001755
Stxbp5l_j1	2.14593	1.81518	0	1	1
Gtf2e1	4.13593	2.84302	0	1	1
Ndufb4_j2	0.42283	0.393246	-0.104646	0.82852	0.944579
4932425I24Rik_j2	0.254451	0.409918	0.687949	0.259611	0.608462
Pla1a	0.206785	0.152188	-0.442281	0.50734	0.789639
Adprh_j1	59.376	59.4883	0.00272445	0.976804	0.993246
Adprh	10.6759	9.90518	-0.108107	0.394863	0.720044
4930455C21Rik_j1	4.11234	3.01821	0	1	1
4930455C21Rik	1.22732	1.24267	0	1	1
Ktelc1_j4	10.2017	11.8416	0	1	1
Poglut1	11.1365	9.75365	0	1	1
Arhgap31	1.55213	1.47951	-0.0691267	0.674352	0.877186
Gap43_j2	0.204558	0	-1.79769e+308	0.0474739	0.250146
Gap43_j6	2.11673	5.91114	1.4816	1.54E-08	1.04E-06
Gap43	43.5668	89.6472	1.04103	0	0
AK016521_j1	0.162413	0.0521831	-1.63801	0.23112	0.578144
Tigit_j1	0.104929	0.1142	0.122141	0.891075	1
Qtrtd1_j2	0.158393	0	0	1	1
Qtrtd1_j3	0.608591	0.207591	0	1	1
Zdhhc23_j8	0.207513	0.287043	0	1	1
Zdhhc23	0.141468	0	0	1	1
XLOC_012890	0.0963053	0.0285514	-1.75406	0.425393	1
Atp6v1a	10.2995	7.99884	0	1	1
Atp6v1a	3.61585	2.72808	0	1	1
Boc_j2	0.193392	0.158303	0	1	1
Boc_j7	0.121608	0.24931	0	1	1

Gtpbp8_j2	5.07784	5.33054	0.0700658	0.612751	0.847359
Gtpbp8	1.94558	1.7828	-0.126052	0.473471	0.770096
Cd200	3.49411	4.35734	0.318521	0.0377103	0.215545
Gm609_j1	0.179043	0.066795	-1.42249	0.201482	0.544991
Tmprss7_j4	0.625478	0 -1.79769e+308		1.61E-12	2.22E-10
Tagln3_j4	0.139271	0	0	1	1
Tagln3_j5	91.5861	86.1843	0	1	1
Tagln3	1.17117	1.03642	0	1	1
Abhd10	0.20899	0.25088	0	1	1
Phldb2_j1	1.70827	1.39019	0	1	1
Phldb2_j4	0.439057	0.569799	0	1	1
Phldb2_j2	0.413974	0.189965	0	1	1
Plcx2	4.60443	4.88108	0	1	1
Cd96_j1	1.01813	0.596429	-0.771497	0.124049	0.438888
Cd96_j5	0.273068	0.221983	-0.298813	0.735191	0.906659
Gm4737	23.996	32.493	0.437337	5.22E-06	0.0001755
Pvrl3_j6	2.03848	3.85382	0	1	1
Pvrl3	3.99753	4.13247	0	1	1
XLOC_012906	0.246596	0.168887	-0.546092	0.472988	0.769762
Dzip3	2.86308	2.26063	-0.340843	0.0219112	0.150107
Dzip3_j5	0.654551	0.59323	-0.141915	0.58129	0.832206
Bbx_j16	0.418941	0.743134	0	1	1
Bbx_j8	0.182205	0.478352	0	1	1
Gm9575	38.094	40.4133	0.0852653	0.386585	0.714571
5330426P16Rik_j1	1.21766	1.77908	0.547019	0.110114	0.41294
Alcam_j1	15.0805	15.947	0	1	1
Alcam_j2	0.207787	0.145371	0	1	1
Fam55c_j2	1.48153	0.902809	0	1	1
Fam55c_j1	1.2174	0.775448	0	1	1
Cep97_j2	1.0783	1.11867	0	1	1
Cep97	0.828637	0.551858	0	1	1
Pcnp_j3	0.182963	0.165278	-0.146658	0.841853	0.950043
Pcnp_j2	5.76905	5.58012	-0.0480373	0.753494	0.914801
Rg9mtd1	6.73029	6.24035	-0.109041	0.4181	0.735013
Rg9mtd1_j1	0.11034	0.512693	2.21614	1.65E-07	8.31E-06
Tfg_j4	27.0078	27.4067	0	1	1
Tfg	31.7096	32.8696	0	1	1
Tfg_j2	10.6034	8.23503	0	1	1
Tbc1d23_j2	5.19321	4.25856	0	1	1
Col8a1	1.36893	1.64181	0.262238	0.0952799	0.381127
St3gal6	3.25144	2.55498	0	1	1
Crybg3_j2	0.374795	0.259907	-0.528107	0.0397672	0.222986
Arl6	2.00634	1.83593	-0.128059	0.663165	0.872404
Arl6	15.1263	15.0832	-0.0041164	0.97245	0.991962
Epha6_j1	0.0820057	0 -1.79769e+308		4.10E-08	1
Epha6	0.920343	0.37738	-1.28615	3.79E-11	4.21E-09
Nsun3	0.839644	0.837684	0	1	1

Nsun3	1.0988	0.938503	0	1	1
Arl13b_j2	0.741057	0.453849	0	1	1
Arl13b	0.520003	0.90543	0	1	1
Arl13b_j1	0.688175	0.655435	0	1	1
4930453N24Rik	0.910391	1.0368	0.187576	0.379176	0.710597
4930453N24Rik	0.671615	0.665684	-0.0127978	0.961	0.988945
Zfp654_j1	0.88561	0.0113525	0	1	1
Zfp654_j3	1.04337	1.50905	0	1	1
Chmp2b	5.51737	5.24356	-0.0734321	0.602006	0.842556
Cadm2_j2	2.1358	2.44211	0.193354	0.136635	0.459682
Cadm2_j4	0.302235	0 -1.79769e+308	0.0106991	0.0899732	
Cadm2_j8	3.04313	3.49574	0.200041	0.427	0.741449
Robo2_j7	6.42041	6.98281	0	1	1
Robo2_j4	6.60542	3.74468	0	1	1
Robo2_j14	0.101659	0.192505	0.921164	0.270313	0.619522
Hspa13	6.19307	6.26761	0.0172602	0.878327	0.961084
Samsn1_j2	4.54255	3.01382	-0.591909	0.0004498	0.0074608
Samsn1_j1	0.875345	0.787867	-0.151899	0.665794	0.873346
Nrip1_j1	2.37196	1.0876	0	1	1
Nrip1_j2	0.313383	0	0	1	1
Nrip1_j3	1.8591	3.15586	0	1	1
AK087725_j2	0.135344	0.0771501	-0.810896	0.593853	1
AK087725_j3	3.31E-05	0.0539123	10.6676	0.987267	1
Mrpl39_j7	0.126503	0.00637052	-4.31161	0.254969	1
XLOC_012955	0.19477	0.104808	-0.894021	0.534142	0.805439
Atp5j_j3	80.369	70.7372	0	1	1
Atp5j	45.9904	13.8394	0	1	1
App_j8	0.0435071	0.101842	0	1	1
App	83.2665	69.2346	0	1	1
AK080982	2.34052	2.23351	-0.0675136	0.65275	0.867125
Cyyr1	0.855298	0.733107	-0.222403	0.468709	0.767193
Adamts1_j2	1.00193	1.53129	0	1	1
Adamts1	0.932814	1.74177	0	1	1
Adamts5	0.923673	0.93015	0	1	1
Ltn1_j5	4.01707	3.24855	0	1	1
Rwdd2b	3.2995	1.70899	0	1	1
Cct8_j1	0.5012	0.44659	0	1	1
Grik1	39.4565	30.77	0	1	1
Tiam1	0.510234	0.502342	-0.0224886	0.945257	0.983703
Tiam1_j2	0.431106	0.263791	-0.708645	0.01353	0.106926
Scaf4	0.501463	0.0183092	-4.7755	4.28E-10	3.80E-08
2610039C10Rik	2.71326	2.78771	0.0390528	0.849821	0.952228
Urb1_j1	0.155592	0 -1.79769e+308	0.0069345	0.0653853	
Urb1	0.698036	0.287627	-1.2791	1.12E-05	0.0003415
1110004E09Rik_j1	6.98868	7.53752	0.109072	0.559915	0.820916
1110004E09Rik	1.13827	1.04614	-0.121766	0.730222	0.904705
Synj1_j15	0.742212	0	0	1	1

Synj1_j16	0.0468645	0	0	1	1
Synj1_j17	0.761116	0.0501955	0	1	1
Synj1_j20	0.512925	0.21894	0	1	1
Gcfc1_j5	1.40575	1.47595	0	1	1
C21orf66	2.05483	2.00992	0	1	1
Gcfc1_j6	1.24369	1.06737	0	1	1
Tmem50b_j5	39.9261	43.7445	0	1	1
Tmem50b	26.9269	23.274	0	1	1
Dnajc28	0.348008	0.394877	0	1	1
Dnajc28_j2	0.383968	0	0	1	1
Dnajc28_j1	0.161915	0.0750921	0	1	1
Dnajc28	1.20729	0.897476	0	1	1
Gart_j2	0.20827	0.168231	-0.308014	0.610525	0.846532
Cryz1_j1	3.42536	3.45957	0.0143363	0.893837	0.966325
Atp5o	50.34	52.6297	0.064172	0.554437	0.817513
Rcan1_j1	9.00309	13.2215	0	1	1
Rcan1	4.94306	10.004	0	1	1
Rcan1	15.9174	13.5161	0	1	1
Runx1_j6	2.09489	2.67145	0	1	1
Runx1	2.22122	1.80881	0	1	1
Runx1	3.04348	2.05212	0	1	1
Setd4_j3	0.16427	0.0637332	-1.36595	0.289211	0.636786
Setd4_j4	0.0897053	0.102077	0.186386	0.875496	1
Setd4_j11	0.197886	0.231738	0.227821	0.729351	0.904065
Setd4_j13	0.148277	0.0493577	-1.58695	0.174509	0.512608
Cldn14	0.464016	0.60771	0.389211	0.259987	0.608587
Hlcs_j7	0.127969	0	0	1	1
Hlcs	1.19384	0.691989	0	1	1
Hlcs_j2	1.15584	0.413867	0	1	1
Hlcs_j8	1.11923	0.000104372	0	1	1
Dscr3	13.4929	13.4174	-0.00809953	0.936941	0.980715
Kcnj6	0.173209	0.0808437	-1.09931	0.149333	0.478596
Erg_j3	0.281351	0 -1.79769e+308		2.84E-07	1.36E-05
Erg	0.205574	0.353931	0.78381	0.112806	0.418089
Psmg1	4.1445	4.23755	0	1	1
Brwd1	5.58204	5.57106	0	1	1
Hmgn1_j1	2.08178	2.75697	0	1	1
Lca5l_j2	0.131896	0.0966635	-0.448362	0.623006	1
Dscam_j11	0.814779	0.822562	0	1	1
Dscam_j12	0.719741	0.710632	0	1	1
Dscam_j3	1.33008	0.843409	0	1	1
Ripk4_j1	0.147076	0.189913	0.368776	0.522879	0.799141
Ripk4	0.460627	0.348466	-0.402579	0.281845	0.630397
Prdm15	0.354919	0.825637	0	1	1
Prdm15_j2	0.324736	0.20563	0	1	1
Prdm15_j5	0.191961	0.1111	0	1	1
C2cd2_j3	0.40981	0.432827	0	1	1

C2cd2_j2	1.01655	1.79788	0	1	1
C2cd2_j4	0.803652	1.41397	0	1	1
Zfp295_j4	0.0632556	0.0524695	0	1	1
Zfp295	0.834541	0.973631	0	1	1
Zfp295	0.531657	0.154151	0	1	1
Zfp263	0.476948	0.310574	-0.618895	0.186621	0.527475
Nat15_j4	1.52375	2.19196	0.524596	0.0754229	0.331468
Cluap1	6.73791	6.75316	0.0032626	0.981709	0.994414
Dnaja3_j1	0.0525845	0 -1.79769e+308	0.0690588		1
Hmox2_j2	7.95694	7.52409	0	1	1
Mgrn1_j5	1.11913	0.837749	-0.417792	0.107962	0.408438
Nudt16l1	23.0518	21.8584	-0.0766927	0.591241	0.836932
AK154225_j5	0.280246	0.168296	-0.735696	0.158823	0.49326
Rbfox1_j9	1.69194	0.849712	0	1	1
Rbfox1_j10	31.5283	30.9356	0	1	1
Abat	11.1682	10.3096	-0.115411	0.258585	0.607374
Nubp1_j2	5.83057	6.84101	0	1	1
Nubp1_j4	7.15174	7.90622	0	1	1
Clec16a_j3	1.76794	1.00927	0	1	1
Clec16a_j7	1.9706	2.58634	0	1	1
Snx29_j1	0.550738	0.27365	-1.00903	0.0118746	0.0974303
AK014704_j2	2.47244	2.69475	0.124219	0.629832	0.856211
AK014704_j1	1.2255	1.10383	-0.150848	0.672111	0.87616
Ercc4_j1	0.916374	0.801228	-0.193723	0.572372	0.827134
Mkl2	0.829102	1.22959	0	1	1
XLOC_012461	0.321523	0.285649	-0.170681	0.829315	0.944936
2900011O08Rik_j2	38.9798	36.4383	-0.0972709	0.40474	0.726779
Nde1	0.584383	0.636312	0.122819	0.798275	0.933029
Yars2	1.2251	1.44178	0.234954	0.422095	0.738238
Yars2	5.32995	5.10788	-0.0613965	0.6887	0.884383
Mapk1_j2	6.9468	6.29388	0	1	1
Mapk1_j1	32.349	30.423	0	1	1
Ypel1	1.43832	1.55299	0.110665	0.486615	0.777731
Aifm3_j2	0.155887	0 -1.79769e+308	0.0014371	0.0190759	
Aifm3	0.360908	0.332173	-0.119697	0.816339	0.940246
Lztr1	3.44657	3.33444	-0.0477143	0.796498	0.932165
mP2XM_j1	2.03642	1.43312	0	1	1
Smpd4_j1	0.81168	1.39426	0	1	1
Klhl22_j2	0.101615	0.311465	0	1	1
Klhl22_j3	0.000872324	1.16186	0	1	1
Scarf2_j4	0.150011	0.241833	0.688947	0.205518	0.549925
Trmt2a_j1	1.30053	1.25383	-0.0527541	0.767337	0.920619
2510002D24Rik_j1	0.757831	1.15765	0.611249	0.0721144	0.323001
Hira_j1	3.12607	2.65491	-0.23569	0.186517	0.527254
Hira_j3	1.87263	1.48004	-0.339431	0.132295	0.452583
Hira_j4	1.539	1.52021	-0.0177222	0.953641	0.98654
Yeats2	0.466435	0.683162	0	1	1

Yeats2_j8	1.99525	2.58333	0	1	1
Eif2b5_j1	4.2417	6.25047	0	1	1
Eif2b5_j2	4.25919	2.92125	0	1	1
Dvl3	6.71531	8.17741	0.284189	0.0102636	0.0871771
Ece2	5.91958	4.02002	0	1	1
Ece2_j5	8.96462	8.08239	0	1	1
Psm2_j4	59.1407	67.6069	0.19302	0.0375177	0.214754
Eif4g1	2.94395	2.78678	0	1	1
Polr2h_j1	0.81307	1.08835	0	1	1
Polr2h_j2	1.24483	2.22354	0	1	1
Ephb3	1.81112	1.61272	-0.167387	0.356026	0.691904
Vps8_j1	0.383289	0.421459	0.136961	0.863482	0.956634
Vps8_j8	4.01331	4.60668	0.198935	0.361932	0.696328
AK005305	1.36944	1.54912	0.177862	0.524713	0.800294
Map3k13_j3	2.16642	2.03646	-0.0892482	0.563261	0.822514
Eif4a2_j3	159.125	146.45	0	1	1
St6gal1_j4	0.384587	3.36747	0	1	1
AK144897_j5	0.145408	0.0562698	-1.36968	0.225306	0.57244
Lpp_j1	0.0955234	0.105392	0.141839	0.849475	1
Tprg_j1	0.281662	0.356113	0.338368	0.457791	0.760655
Trp63_j1	0.10501	0.125802	0.260629	0.766206	1
Hrasls_j1	0.619307	0.316606	-0.967966	0.0388422	0.219754
Opa1_j3	5.87118	5.11598	0	1	1
4632428C04Rik_j4	0.248341	0.300238	0	1	1
4632428C04Rik_j5	0.44854	0.928687	0	1	1
Bdh1	0	0.222649	1.79769e+308	0.0015355	0.0201299
Dlg1_j12	0.67218	0.00245343	-8.0979	0.258008	0.606629
Pigz_j1	7.87844	1.85726	-2.08473	0	0
Wdr53	1.22377	1.07292	0	1	1
Wdr53	2.56183	2.79321	0	1	1
Wdr53_j1	4.91355	4.98385	0	1	1
Rnf168_j1	0.305422	0.393841	0.366809	0.37495	0.707307
Tfr3_j1	0.365562	0.226449	0	1	1
Tnk2_j2	0.566601	0.693033	0	1	1
Tnk2_j7	0	0.682186	0	1	1
Snx4_j4	7.27308	8.84915	0.282972	0.111261	0.415262
Snx4_j8	3.66033	5.21581	0.510919	0.0479954	0.251853
Zfp148_j1	3.74067	2.86813	0	1	1
Zfp148_j5	1.15197	0.94212	0	1	1
Heg1_j3	0.504058	0.421828	0	1	1
Mylk_j5	0.421366	0.377014	-0.160454	0.744715	0.910838
Mylk	0.277081	0.221578	-0.322491	0.560768	0.821232
Ptplb_j2	0.201413	0	-1.79769e+308	0.0453452	0.243807
Ptplb_j4	0	0.0776789	1.79769e+308	0.0279135	1
Ptplb_j3	2.96569	3.04083	0.0360994	0.822676	0.942844
Sema5b_j4	0.546595	0.470819	-0.2153	0.483479	0.77601
Hspbab1	1.68902	1.93718	0.197775	0.192417	0.534598

Parp9_j1	0.639398	0.409774	0	1	1
Kpna1	4.5201	3.82877	0	1	1
Iqcb1_j2	0.43103	1.22328	0	1	1
Iqcb1_j3	0.391403	0.265606	0	1	1
Iqcb1	2.58341	1.45894	0	1	1
Iqcb1_j7	0.176491	0.127228	0	1	1
Fstl1	217.329	190.734	0	1	1
Fstl1_j1	457.234	412.265	0	1	1
Lrrc58_j2	6.17532	5.58227	0	1	1
Gsk3b	8.19957	6.73478	0	1	1
Popdc2	0.000126788	0.17788	10.4543	0.849626	0.952228
Tmem39a_j7	0.463864	0.465362	0.00465058	0.991185	0.997387
Tmem39a_j11	0.663887	0.80073	0.270378	0.452662	0.757721
B4galt4_j1	0.492472	0.130808	-1.91259	0.0759023	0.332821
XLOC_012597	1.31E-05	0.0998455	12.8925	0.994047	1
Lsamp_j4	3.90723	3.37413	0	1	1
2610015P09Rik	0.194691	0.34398	0.82114	0.0882693	0.363775
Spice1_j1	1.07935	1.81184	0.747296	0.0044144	0.0463002
Ccdc80_j1	1.07247	0.510578	0	1	1
Atg3_j1	8.98248	7.57903	0	1	1
Atg3	5.67951	5.18713	0	1	1
Morc1_j1	0.0637078	0.165414	1.37654	0.114985	0.421857
Cd47_j2	16.8083	16.4125	0	1	1
Cd47_j4	8.22754	6.80009	0	1	1
Cblb_j2	0.0639093	0.137464	0	1	1
Cblb_j1	0.488859	0.308782	0	1	1
Cblb	0.748609	0.428425	0	1	1
Rpl24_j1	0.195164	0.113482	-0.782219	0.27874	0.627551
Senp7_j2	0.744814	0.0563094	-3.72543	3.54E-06	0.0001249
Senp7_j1	0.0522272	0.85841	4.0388	7.23E-11	7.58E-09
Senp7_j5	1.92933	1.73595	-0.152375	0.587371	0.835002
Tomm70a_j5	21.3248	19.5322	0	1	1
Dcbl2	2.55874	3.00543	0	1	1
Robo1_j7	0.300493	0.234409	-0.358307	1	1
Robo1_j8	0.676061	0.47398	-0.512328	0.0730893	0.325521
Usp25_j2	11.7972	10.2516	-0.202603	0.0600662	0.288627
2810055G20Rik_j4	1.04	0.673937	-0.6259	0.0835084	0.352296
N6amt1	2.55631	2.49016	-0.037825	0.879825	0.961537
AK045112_j1	0.0990527	0.0774911	-0.354165	0.762668	1
AK045112	0.167329	0.10577	-0.661756	0.497741	0.783786
ORF63_j1	0.0388238	0.104868	1.43356	0.226053	1
Sod1	1.27503	1.18799	-0.102001	0.753174	0.914687
4931408A02Rik_j2	2.90858	2.64002	-0.13977	0.436238	0.746923
4931408A02Rik_j1	1.23438	1.09467	-0.173295	0.539502	0.808383
XLOC_012677	0.0535473	0.0699912	0	1	1
Ifnar2	1.4921	1.51114	0	1	1
Ifnar2	1.69414	1.89603	0	1	1

Ifnar1_j1	0.4689	0	-1.79769e+308	3.02E-18	8.09E-16
Ifnar1_j3	0.709578	0.620265	-0.194077	0.465035	0.764951
Son_j1	2.66905	2.92134	0.130305	0.361634	0.696109
Itn1	1.66395	1.56989	-0.083946	0.505412	0.78827
Dopey2_j6	4.83997	6.5636	0.43949	0.0001515	0.0030413
Dopey2_j7	18.9807	21.5971	0.186301	0.0912377	0.371241
Dopey2_j8	3.232	2.54973	-0.342085	0.145095	0.472912
Morc3_j4	0.804418	1.36938	0	1	1
Morc3_j6	1.59079	2.14522	0	1	1
Ttc3_j4	1.00516	0.778622	0	1	1
Dyrk1a	2.11613	2.73469	0	1	1
Sh3bgr	13.0331	8.36171	-0.640313	1.26E-05	0.0003773
B3galt5_j2	2.60909	1.19223	0	1	1
Bace2_j1	0.213821	0.286834	0.423814	0.521429	0.798188
BC056174_j1	1.12754	0.965795	-0.223388	0.40266	0.725851
1700037C18Rik_j2	8.77E-05	0.664909	12.8879	0.964307	0.989999
Nlrc3_j6	0.0332726	0.221763	2.73661	0.0200864	0.141224
Slx4_j6	0.0683792	0	-1.79769e+308	0.0015394	1
Slx4_j3	0.183215	0.306096	0.740444	0.0458007	0.24486
Trap1_j5	2.40134	2.11892	0	1	1
Crebbp_j4	0.508145	0.695429	0.452662	1	1
Crebbp_j6	0.121066	0.197006	0.702445	0.47565	0.771544
Fam100a_j1	0.941852	0	-1.79769e+308	2.25E-07	1.10E-05
Anks3_j3	3.08773	3.15853	0.0327078	0.871326	0.959126
Anks3_j4	5.27539	6.26415	0.247843	0.100397	0.392225
Rogdi_j1	12.8148	12.341	-0.05436	0.773525	0.923145
Glyr1_j2	0	0.330587	0	1	1
Glyr1_j1	12.0224	2.34817	0	1	1
Nagpa_j1	2.28037	2.61092	0	1	1
Nagpa	2.37093	2.53469	0	1	1
Nagpa_j2	0.731059	0.827698	0	1	1
Tmem114_j1	0.0507896	0.167671	1.72303	0.279875	0.628722
Fam18a_j1	0.855298	1.7478	0	1	1
Fam18a	21.5997	18.6588	0	1	1
Dexi_j1	0.522868	0	-1.79769e+308	0.0026413	0.0311721
Zc3h7a_j1	2.58647	3.42032	0	1	1
Zc3h7a	5.04417	5.66077	0	1	1
Zc3h7a_j2	1.69744	1.68377	0	1	1
Gspt1_j2	12.1224	12.723	0.0697647	0.459335	0.761406
Cpped1_j2	1.25853	1.37838	0.131232	0.665899	0.873354
Cpped1	15.3405	14.7937	-0.0523592	0.615485	0.848357
Parn_j2	0.332553	0	-1.79769e+308	0.0002737	0.0049608
Parn_j3	0.544284	0.674062	0.308521	0.466636	0.766257
2310008H04Rik_j3	5.81E-05	0.227102	11.9318	0.906238	0.970331
Fgd4_j6	0.168401	0.0620432	-1.44055	0.30346	0.649082
Ppil2	0.202017	0.273206	0.435517	0.170942	0.507948
Ppil2_j3	0	0.443894	1.79769e+308	0.0009048	0.0132118

Ube2l3_j3	0.535922	0.327168	-0.711992	0.119425	0.429997
Ube2l3_j1	0.678859	0.693911	0.0316382	0.95583	0.987317
Pi4ka_j1	11.3962	9.48686	-0.264554	0.131787	0.451722
Thap7_j2	0.154929	0.0958458	-0.692821	0.172834	0.510518
Thap7_j1	0.901099	1.04107	0.208307	0.180716	0.520555
Slc7a4	0.235011	0.233423	0	1	1
Med15_j4	1.66651	1.84912	0	1	1
Dgcr2_j4	2.03688	1.75573	0	1	1
Dgcr14	1.7689	2.03078	0.199186	0.380968	0.711636
4933432I09Rik	0.0651376	0.172665	0	1	1
4933432I09Rik_j3	0.137631	0.150608	0	1	1
Zdhhc8_j2	2.36496	2.77386	0	1	1
D16H22S680E_j1	8.83938	8.45481	0	1	1
D16H22S680E_j3	0.671662	0.97186	0	1	1
Comt	5.51768	6.37065	0	1	1
Sept5_j1	42.5607	66.1365	0	1	1
Sept5	140.588	153.885	0	1	1
Mrpl40_j3	0.286196	0.164302	-0.80065	0.358555	0.693913
Parl	10.6311	11.8073	0.151385	0.282038	0.630547
Abcc5_j2	24.6024	25.4739	0	1	1
Clcn2_j1	0.325526	0.651061	0	1	1
Clcn2_j3	1.19846	1.50956	0	1	1
2510009E07Rik_j3	1.50223	1.16798	0	1	1
Tmem41a	5.40066	6.92421	0	1	1
Tra2b_j6	1.41445	1.47574	0.061195	0.823968	0.943114
Tra2b_j7	19.5847	21.1228	0.109076	0.339034	0.679309
Etv5_j4	0.157562	0.166494	0	1	1
Dgkg_j2	3.93216	3.98379	0	1	1
Tbccd1_j4	0.720898	1.22229	0.761725	0.167427	0.503988
Tbccd1	1.20546	1.5155	0.330217	0.232813	0.580027
Rfc4_j4	45.4175	41.6091	0	1	1
AK039760_j1	0.796967	0.949341	0.252406	0.585128	0.833924
Leprel1_j3	0.116128	0 -1.79769e+308		0.0041735	1
Leprel1_j2	0.186294	0.189071	0.0213453	0.97599	0.993119
Leprel1_j5	0.115564	0 -1.79769e+308		0.0129521	1
Atp13a4_j1	0	0.0697137 1.79769e+308		0.157089	1
AK165338_j9	0.223523	0.000198449	-10.1374	0.892457	0.965962
AK165338_j8	0.0838587	0.1115	0.411005	0.684362	1
Atp13a3_j2	0.312866	1.09192	0	1	1
Tmem44_j9	0.0997535	0.130573	0.388418	0.544493	1
Tmem44_j8	0	0.0569712 1.79769e+308		0.0291023	1
Acap2_j5	0	0.359235	0	1	1
Apod	26.3215	44.6014	0	1	1
Apod	54.9191	88.4951	0	1	1
Senp5_j2	0.086804	0.0815907	0	1	1
Pak2_j1	1.88967	2.60454	0	1	1
1700021K19Rik_j4	3.4618	2.14877	0	1	1

1700021K19Rik	1.42421	1.32791	0	1	1
lqcg	1.50762	1.54858	0	1	1
AK160141_j1	0.0961803	0.297052	1.6269	0.142256	0.468886
Umps	0.919168	0.756901	-0.280223	0.35312	0.689667
Kalrn_j12	0.151435	0.111702	0	1	1
XLOC_012857	0.0995949	0.0585145	-0.767276	0.638206	1
Pdia5_j4	1.21471	1.4156	0	1	1
Pdia5_j1	0.508022	1.19714	0	1	1
Dirc2_j1	7.93308	8.60304	0.116966	0.287251	0.635532
Parp14_j3	3.6204	3.83083	0.0815079	0.635713	0.858773
AK144265_j1	160.002	225.51	0	1	1
Fam162a_j1	22.9554	26.391	0.201212	0.153908	0.486779
Slc15a2_j1	0	0.0829097	1.79769e+308	0.0761228	1
Slc15a2_j6	0.17775	0.134679	-0.400329	0.436171	0.746874
Slc15a2	0.785185	0.474856	-0.725543	0.133214	0.454201
Gtf2e1_j2	1.32996	3.02335	0	1	1
Gtf2e1_j3	2.14948	1.42594	0	1	1
XLOC_012875	0.187292	0.113782	-0.719019	0.354993	0.691013
4930455C21Rik_j3	0.222826	1.5384	0	1	1
Arhgap31_j2	0.765603	0.350547	-1.12699	0.246062	0.593583
Arhgap31_j3	0.242507	0.150781	-0.685574	0.539497	0.808383
Arhgap31_j4	0.122606	0.258837	1.07801	0.193173	0.535528
Gap43_j4	1.84348	4.71448	1.35467	0.0002857	0.0051337
Qtrtd1_j4	0.143156	0.518502	0	1	1
Zdhhc23_j4	0.276794	0.143436	0	1	1
Atp6v1a_j2	62.2354	53.9277	0	1	1
Boc_j1	0.313291	0.16064	0	1	1
Boc_j3	0.271875	0.0562746	0	1	1
Boc_j6	1.38369	1.39281	0	1	1
Slc35a5	5.86516	4.99395	0	1	1
Tmprss7_j3	0.0217496	0.0569713	1.38925	0.376066	1
Tagln3_j3	92.8392	100.327	0	1	1
Abhd10_j2	13.5781	11.3874	0	1	1
Abhd10	10.3864	8.56342	0	1	1
Cd96_j2	0	1.51626	1.79769e+308	2.95E-08	1.86E-06
Cd96_j3	0.238586	0.0920245	-1.37442	0.299416	0.646244
Dzip3	0.673047	0.576119	-0.22434	0.443058	0.751132
AK135986_j2	0.838493	0.529141	-0.664146	0.132313	0.452583
Bbx_j11	0.428529	0.113409	0	1	1
5330426P16Rik_j3	4.78486	6.17371	0.367662	0.0319254	0.193644
5330426P16Rik_j5	0.13552	0	-1.79769e+308	0.0044144	1
Gm6767	16.3386	19.8315	0.279514	0.0113824	0.0943512
AK157531_j1	0.0409189	0.0655642	0.680143	0.682586	1
Alcam_j3	8.40091	9.9764	0	1	1
Alcam	8.65373	8.49071	0	1	1
Nfkbiz_j1	0.00236415	0.17436	6.20461	0.27748	0.62639
Fam55c_j3	8.24255	7.12877	0	1	1

Fam55c_j4	6.18172	6.83678	0	1	1
Tfg_j1	5.26381	4.72041	0	1	1
Nit2	2.14119	2.23703	0	1	1
Tbc1d23_j1	0.631055	1.26691	0	1	1
St3gal6_j4	0.547582	1.49259	0	1	1
St3gal6_j2	1.79674	1.32468	0	1	1
Crybg3	0.603744	0.66219	0.133309	0.70348	0.891491
Crybg3	0.0916247	0.170267	0.89399	0.0185529	0.133856
Epha6_j4	0.901961	1.00938	0.162327	0.581029	0.832
4930453N24Rik_j1	5.42838	5.41546	-0.00343903	0.981966	0.994497
Htr1f_j2	0.318228	0.900133	1.50008	0.0562752	0.27761
Chmp2b_j2	2.00943	3.38675	0.753114	0.0031353	0.0357042
Cadm2_j1	0.66645	0 -1.79769e+308		1.01E-27	3.30E-25
Cadm2_j3	2.99332	2.93834	-0.0267418	0.916462	0.973929
Cadm2_j6	0.161197	0 -1.79769e+308		0.0127341	0.102447
Robo2_j11	2.33695	1.89148	0	1	1
Robo2_j12	1.11336	0	0	1	1
Robo2_j15	0.1943	0.197028	0.0201106	0.981476	0.994248
XLOC_012946	2.12484	0.390921	-2.4424	0.0129055	0.103541
XLOC_012946	1.01153	1.23283	0.285434	0.594093	0.838368
XLOC_012946	3.47073	3.10934	-0.158631	0.645491	0.863342
Samsn1	0	0.339771 1.79769e+308		0.0015391	0.0201662
Samsn1_j3	0	0.083926 1.79769e+308		0.0572657	1
Mrpl39_j2	5.91367	5.68906	-0.0558636	0.755609	0.915717
Mrpl39_j4	4.62313	5.18803	0.166318	0.426168	0.740955
XLOC_012955	0.505176	0.123473	-2.03259	0.0273667	0.174855
App_j1	115.327	114.564	0	1	1
Adamts5_j2	1.39447	1.24574	0	1	1
Rnf160	0.318373	0.352874	0	1	1
Ltn1_j1	1.75967	1.90064	0	1	1
Cct8	64.4473	76.6754	0	1	1
Grik1_j4	1.38629	2.15452	0	1	1
Scaf4_j3	3.5499	3.35206	-0.0827298	0.577717	0.829916
Scaf4	1.68324	1.90137	0.175794	0.16414	0.500023
Scaf4	0.23573	0.180079	-0.388503	0.212773	0.557725
Urb1_j3	0.798635	0.911889	0.191321	0.512495	0.792284
Urb1_j4	0.0613148	0.0324155	-0.919551	0.358137	1
Synj1_j10	4.1545	0.684435	0	1	1
Synj1_j19	1.43312	0.420722	0	1	1
Synj1_j18	0.0607586	0	0	1	1
Synj1_j4	0.675786	0.741452	0	1	1
Gcfc1_j2	0.686532	0.946323	0	1	1
Tmem50b_j4	1.392	0.607224	0	1	1
Gart	9.42228	10.1887	0.112822	0.314538	0.658635
Donson_j4	0.298665	0.133622	-1.16037	0.109574	0.41203
Cryzl1_j2	8.44036	7.96483	-0.0836608	0.55772	0.819799
Runx1_j1	2.78178	1.00777	0	1	1

Setd4_j1	0.0653583	0	-1.79769e+308	0.0324366	1
Setd4_j2	6.44E-05	0.0728714	10.1451	0.934902	1
Setd4_j7	0	0.0561299	1.79769e+308	0.131872	1
Hlcs_j1	0.30961	0.133136	0	1	1
Hmgn1	2.2746	3.09725	0	1	1
C2cd2_j5	0	0.578049	0	1	1
C2cd2_j6	0.0777135	0	0	1	1
C2cd2_j1	2.63466	2.11599	0	1	1
Zfp295_j3	0.0556767	0.104888	0	1	1
Zfp174_j1	0.113853	0.0332443	-1.77599	0.204958	1
Nat15_j2	1.91453	2.99469	0.645416	0.0056632	0.0558745
Dnaja3_j2	4.92446	5.03579	0.0322508	0.872313	0.959654
Hmox2_j1	21.9832	22.4115	0	1	1
Hmox2	32.2912	31.2503	0	1	1
Sec14l5_j4	0.0681658	0.0566101	-0.267989	0.737696	1
Sec14l5_j11	0.125744	0.124339	-0.0162214	0.977999	1
Alg1_j1	6.31121	7.46436	0	1	1
Rbfox1_j4	0.0984927	0.0510631	-0.947736	0.594463	1
Rbfox1_j13	0.0524445	0	0	1	1
Clec16a_j2	2.47895	0.919403	0	1	1
Clec16a_j8	0.0537815	0	0	1	1
Shisa9	0.0693431	0.180807	1.38263	0.0241942	0.160606
Rrn3_j1	16.8903	17.136	0.0208331	0.837863	0.948309
Abcc1_j1	0.362881	0.0879311	-2.04505	7.63E-07	3.29E-05
Snai2	0.113925	0.42956	1.91477	0.0018263	0.0232422
Snai2_j3	0.0637667	0	-1.79769e+308	0.0346785	1
Prkdc_j2	0.0588578	0.0232311	0	1	1
Top3b_j3	0.536622	0.127859	-2.06935	5.60E-06	0.0001868
Ydjc_j1	1.63766	3.58482	0	1	1
Ydjc_j2	1.53939	3.7548	0	1	1
Ydjc_j3	3.88872	4.98075	0	1	1
Hic2	0.588641	0.527022	-0.159524	0.43003	0.743005
Crkl_j2	7.25137	7.50674	0	1	1
Aifm3_j7	1.11512	0.696644	-0.678709	0.0194173	0.138091
Lztr1_j5	1.44771	0.741435	-0.965384	0.005431	0.0540236
Klhl22	9.09624	8.69563	0	1	1
Scarf2	0.202095	0.139127	-0.538631	0.413046	0.73195
Scarf2_j3	0.0796788	0.0165987	-2.26313	0.17801	1
Trmt2a_j2	6.05975	5.39572	-0.167442	0.327311	0.670248
Arvcf_j1	0.149941	0.0456123	0	1	1
Arvcf_j2	0.78025	0.898641	0	1	1
Gnb1l_j1	0.845695	0.75391	-0.165747	0.546477	0.81297
Gnb1l	0.941494	0.594996	-0.662072	0.0181609	0.131804
Klhl24_j1	0.591588	0.653286	0	1	1
Yeats2	0.234668	0.0862821	0	1	1
Yeats2_j6	2.02317	1.80037	0	1	1
Ap2m1_j5	41.807	45.024	0.106949	0.332705	0.67386

Abcf3_j1	5.59255	6.84966	0.292527	0.0067887	0.0642713
Vwa5b2_j1	0.278044	0.175473	-0.664059	0.0227288	0.153944
Ece2_j1	0	0.0605281	0	1	1
Psm2_j3	33.9723	33.3873	-0.02506	0.782493	0.926499
Eif4g1_j2	23.3001	20.8796	0	1	1
Eif4g1_j4	43.1673	49.8676	0	1	1
Chrd_j1	0.0448232	0.0883065	0.978274	0.371565	1
Chrd_j3	0.0967835	0.0631601	-0.615748	0.587503	1
Chrd_j4	0.101138	9.72E-06	-13.3444	0.991108	1
Vps8	4.5582	4.74714	0.0585921	0.647957	0.864358
Map3k13_j2	0.0733968	0 -1.79769e+308		3.70E-05	1
Hrg_j2	0.205688	0.140234	-0.552626	0.448862	0.755217
Hrg_j1	0.0596557	0 -1.79769e+308		0.0621076	1
Eif4a2_j2	66.1305	65.3819	0	1	1
Lpp_j2	0.134235	0.127225	-0.077383	0.955292	1
Lpp_j3	0.152992	0 -1.79769e+308		0.0212851	0.146996
Hrasls_j2	0.247918	0 -1.79769e+308		1.96E-05	0.0005463
Opa1_j4	0.0469313	0	0	1	1
4632428C04Rik_j1	1.01149	1.15587	0	1	1
Dlg1_j5	0.210205	0.17969	-0.226285	0.665379	0.873092
Dlg1_j2	0.327406	0.575651	0.814114	0.0178527	0.130172
Dlg1_j6	0.481026	0.19608	-1.29467	0.0070196	0.0659957
Dlg1_j10	0.197541	0.110611	-0.836653	0.349965	0.687527
Pcyt1a	7.64529	6.03358	0	1	1
Tnk2_j3	0.964204	1.11159	0	1	1
Tnk2_j4	0.167731	0	0	1	1
Tnk2_j8	5.13269	0.964994	0	1	1
Lrch3_j2	3.00291	3.88923	0	1	1
Osbpl11_j2	1.48972	0.685922	-1.11893	0.0001571	0.0031363
Snx4_j6	4.98931	3.067	-0.702013	0.0010843	0.0152202
Snx4_j5	1.82907	3.19672	0.805481	0.0004924	0.0080389
Heg1_j2	0.502681	0.545032	0	1	1
Itgb5_j2	1.1044	0.844085	-0.387805	0.465468	0.765392
Ccdc14_j6	0.154147	0.000318197	-8.92017	0.76868	0.921133
Mylk_j2	0.170366	0.0885039	-0.944824	0.433162	0.744614
Sema5b_j3	0.10702	0 -1.79769e+308		0.0001058	1
Kpna1_j3	8.68217	9.99229	0	1	1
2010005H15Rik	0.834005	2.01572	1.27316	0.019376	0.137896
Golgb1_j2	0.613992	0.22875	0	1	1
Golgb1_j1	0.273015	0.294128	0	1	1
Golgb1_j7	11.3415	12.7579	0	1	1
Polq_j2	0.27232	0.264157	-0.0439039	0.95235	0.986229
Polq_j3	0.121594	0.169306	0.477561	0.403966	0.72656
XLOC_012587	0.134935	0.13936	0	1	1
Gpr156_j1	0.215887	0.0646522	-1.73951	0.0188399	0.135332
Gpr156_j2	0.297071	0.170739	-0.799017	0.0976812	0.386262
Tmem39a_j2	0.69661	0.356104	-0.968054	0.0182494	0.132234

Tmem39a_j1	0.156735	0.00220418	-6.15194	0.364942	0.698811
B4galt4	0.137028	0.462397	1.75466	0.0364345	0.211083
XLOC_012597	0.0950661	0 -1.79769e+308		0.0557272	1
Lsamp_j1	0.48366	0.264001	-0.873449	0.340591	0.680526
Lsamp_j2	0.10898	0 -1.79769e+308		0.0755819	1
Ccdc80	0.358089	0.518396	0	1	1
Atg3_j3	7.66734	10.3361	0	1	1
XLOC_012612	0.0545571	0 -1.79769e+308		0.113511	1
XLOC_012612	0.173295	0.173285	-9.08E-05	0.999829	0.999918
XLOC_012623	0.160239	0.126592	-0.340045	0.617267	0.849431
Cd47	0.441058	0.274227	0	1	1
Cd47_j1	0.891584	1.13717	0	1	1
Cd47_j3	2.29508	0.914977	0	1	1
XLOC_012625	0.185745	0.0642639	-1.53124	0.155806	0.489025
Senp7	1.99174	1.35807	-0.552472	0.0037427	0.0409191
Abi3bp_j1	0.124771	0.129441	0	1	1
Tomm70a_j3	38.0016	38.0762	0	1	1
Gabrr3_j1	0.629811	0.340397	-0.887699	0.0174858	0.128265
Robo1_j1	0.731467	0.773149	0.0799529	0.729848	0.90454
Robo1	0.490249	0.2283	-1.10258	0.0006667	0.0103297
XLOC_012658	0.1201	0.0476672	-1.33316	0.153747	1
Cxadr_j3	0.215022	0.0783486	-1.4565	0.0326774	0.196609
Sod1_j2	0.0762751	0.148129	0.95757	0.396239	1
AK090163_j2	0.139796	0 -1.79769e+308		0.0005951	0.0094247
4931408A02Rik_j5	0.209513	0.148466	-0.496906	0.219569	0.566075
Mrps6_j1	32.3339	31.3473	-0.0447083	0.731912	0.905184
Fam165b_j1	1.96907	3.26551	0.729796	0.153692	0.486411
Clic6	0.120024	0.195111	0.700967	0.216256	0.562346
XLOC_012688	0.335693	0.156264	0	1	1
XLOC_012689	0.330956	0.196101	-0.75504	0.147196	0.475739
Cbr3	6.36701	7.71349	0.276768	0.0727733	0.324622
Dopey2_j3	0.0969857	0 -1.79769e+308		1.85E-05	1
Chaf1b_j2	0.175879	0.328031	0.899246	0.146465	0.474782
Ttc3_j7	7.51376	6.44104	0	1	1
Dyrk1a_j2	3.3134	3.50969	0	1	1
Dyrk1a_j4	1.95864	2.62691	0	1	1
Dyrk1a	0.535617	0.129441	0	1	1
Wrb_j1	10.9676	11.28	0	1	1
Wrb_j2	0	2.56956	0	1	1
XLOC_012704	0.142002	0.0401945	-1.82084	0.0690009	0.314885
Mx2_j2	0.26796	0 -1.79769e+308		6.66E-07	2.92E-05
Mx2_j8	0.316974	0.20586	-0.622702	0.380303	0.711279
Slx4_j5	0.591234	0.764965	0.371664	0.195051	0.537349
Slx4_j7	0.144216	0.0409064	-1.81783	0.031149	0.190303
Slx4_j9	0.18302	0 -1.79769e+308		5.68E-09	4.17E-07
Trap1_j6	8.24115	7.7883	0	1	1
Crebbp_j1	0.14462	0 -1.79769e+308		5.70E-10	4.96E-08

Adcy9_j2	1.54836	0.971503	0	1	1
Tcfap4_j1	0.319802	2.12E-05	-13.8832	0.981311	0.994152
Coro7_j2	4.15111	5.26725	0	1	1
Coro7_j8	0.511937	0.595841	0	1	1
Coro7_j9	5.75365	6.47702	0	1	1
Nmral1_j1	0.14572	0.553723	1.92596	0.0245772	0.162411
Anks3_j1	0.110679	0.128449	0.21481	0.620206	1
Anks3_j2	0.672146	0.659887	-0.0265561	0.885484	0.963679
Glyr1_j6	8.17058	9.75639	0	1	1
Glyr1_j7	5.40697	14.9643	0	1	1
Carhsp1_j3	0.159321	0.221817	0	1	1
Usp7_j1	6.43464	4.64118	0	1	1
Usp7_j4	19.7291	19.8267	0	1	1
Fam18a_j5	0.171576	0	0	1	1
Fam18a_j4	1.58619	1.65776	0	1	1
Fam18a_j3	0.985502	2.06356	0	1	1
Dexi_j3	38.2678	33.6524	-0.185422	0.150039	0.479926
Socs1_j1	0.481868	1.11834	1.21464	0.0143054	0.111143
Txndc11_j2	33.8938	34.0524	0.00673597	0.939738	0.981682
Gspt1_j1	2.87356	2.28136	-0.332941	0.0296806	0.184452
XLOC_012752	0.11198	0.0835055	-0.423294	0.524457	1
Cpped1_j3	1.11733	1.03068	-0.11646	0.711146	0.894998
Parn_j4	0.153679	0 -1.79769e+308	0.0048762	0.0048762	0.0497721
Pdxdc1_j1	17.7381	16.7712	0	1	1
4921513D23Rik_j1	0.849852	1.1479	0	1	1
4921513D23Rik_j2	1.1499	0.657473	0	1	1
Dnm1l_j4	0.684852	0.061202	0	1	1
Dnm1l_j5	4.76935	4.14312	0	1	1
Fgd4_j3	0.177181	0.233592	0.398767	0.676645	0.878369
Fgd4_j5	0.199409	0 -1.79769e+308	8.05E-06	8.05E-06	0.0002558
Ccdc116_j1	0.214108	0.207062	-0.0482777	0.934288	0.979958
Ccdc116_j2	0.23821	0.236525	0	1	1
Pi4ka_j2	12.595	16.1417	0.357946	0.0185009	0.133568
Pi4ka_j3	0.875126	0.850953	-0.0404109	0.877781	0.96086
Pi4ka_j5	0.82511	0.743354	-0.150537	0.540635	0.808936
Pi4ka_j4	0.163493	0.235056	0.523779	0.234787	0.582023
Thap7	0.454473	0.466522	0.0377488	0.863215	0.956634
Slc7a4_j3	0.0805867	0	0	1	1
Med15_j9	0.213782	0	0	1	1
Dgcr2_j3	1.16904	1.04769	0	1	1
Prodh_j1	0.205567	0.160265	-0.359143	0.420931	0.737135
Prodh	0.562548	0.711378	0.338641	0.0944284	0.378747
Zdhhc8_j6	21.7634	23.9374	0	1	1
D16H22S680E_j2	21.7065	20.3902	0	1	1
Comt_j4	0.0805005	0.0804531	0	1	1
A930003A15Rik	0.125938	0.397242	1.6573	0.0335865	0.200268
Klhl6	0.0756141	0.448027	2.56686	0.0003438	0.0059619

Parl_j3	2.9584	3.95727	0.419691	0.0976754	0.386262
Parl_j2	1.01879	0.312325	-1.70573	0.0112563	0.093522
Abcc5_j4	1.747	2.20649	0	1	1
Clcn2_j5	0.725918	0.619374	0	1	1
Liph_j4	0.120477	0.15955	0.405259	0.62553	0.853954
Igf2bp2_j6	0.159114	0.0471014	-1.75622	0.0931676	0.375592
Igf2bp2_j7	0.108593	0 -1.79769e+308		0.000565	1
Igf2bp2	0.189345	0.571183	1.59294	8.39E-05	0.0018458
Tra2b_j8	0.162094	0.319316	0.978151	0.0145615	0.112504
Etv5_j3	0.130471	0.0678519	0	1	1
Etv5_j7	1.09189	1.29879	0	1	1
Dgkg_j4	0.159224	0	0	1	1
Dgkg_j5	2.82337	2.35422	0	1	1
Dgkg	2.77024	2.42734	0	1	1
Tbccd1_j1	0.171022	0 -1.79769e+308		0.000414	0.0069618
Rfc4_j3	1.01004	0.757035	0	1	1
Bcl6_j3	3.29853	4.23664	0	1	1
XLOC_012820	2.39883	2.39789	-0.000565065	0.998171	0.999228
Fgf12_j3	0.458817	0.891937	0	1	1
Fgf12_j6	0.233722	0.14644	0	1	1
AK165338_j5	0.16097	0.0226053	-2.83206	0.16513	0.501501
Atp13a3_j5	0.14728	0	0	1	1
Tmem44	0.214266	0.105987	-1.01552	0.0855282	0.35716
Acap2_j3	0.237383	0	0	1	1
Apod_j1	209.847	349.812	0	1	1
Lrrc33	0.296968	0.856145	1.52755	0.0002714	0.0049278
1700021K19Rik_j3	1.78898	0.910587	0	1	1
Iqcg_j3	0.277884	0.254605	0	1	1
Kalrn_j1	0.293729	0.02576	0	1	1
Sec22a_j1	3.97244	3.82805	-0.0534125	0.821758	0.94254
Casr_j2	0.152966	0.0329073	0	1	1
Casr	0.256354	0.168686	0	1	1
Slc15a2_j2	0.684875	0.452761	-0.59709	0.159512	0.493951
Slc15a2_j3	0.361072	0.114643	-1.65514	0.0003852	0.006577
Stxbp5l_j3	0.207608	0.0508282	0	1	1
Stxbp5l	0.220472	0.151445	0	1	1
Stxbp5l_j2	0.95939	0.515005	0	1	1
Pla1a_j1	0.110933	0.0415159	-1.41796	0.495735	1
Ktelc1_j1	2.07504	2.0726	0	1	1
Ktelc1_j3	0.346835	0.267145	0	1	1
Qtrtd1_j6	0.867796	0.636864	0	1	1
Qtrtd1_j5	1.02604	1.33595	0	1	1
Zdhhc23_j5	0.690984	0.699237	0	1	1
Zdhhc23_j2	0.465286	0.564342	0	1	1
Zdhhc23_j6	0.424009	0	0	1	1
Gramd1c_j1	0.39728	0.344242	-0.206734	0.653456	0.867469
Gramd1c_j2	0.16065	0 -1.79769e+308		8.90E-05	0.0019432

Gramd1c_j3	0.124213	0.0200434	-2.63162	0.056669	1
Gramd1c_j4	0.0565908	0.195247	1.78666	0.0181616	0.131804
Atp6v1a_j3	1.65403	0.579979	0	1	1
Boc_j8	0.38165	0.245287	0	1	1
Boc	3.0955	2.57428	0	1	1
Gtpbp8_j1	0.662055	0.774172	0.225703	0.384024	0.71322
Tagln3_j7	4.86509	0	0	1	1
Phldb2	0.308984	0.364413	0	1	1
Cd96_j4	0.0873427	0 -1.79769e+308	0.0593414		1
Cd96_j6	0.506655	0.626942	0.307329	0.679629	0.879568
Pvrl3_j1	0.586949	0.643145	0	1	1
Pvrl3_j4	0.58199	0.873346	0	1	1
XLOC_012906	0.307965	0.254856	-0.273081	0.564151	0.823143
Dzip3_j1	0.143447	0.0691084	-1.05358	0.253287	0.601307
AK045242_j1	0.13344	0.13835	0.0521297	0.948331	1
Bbx_j5	0.352923	0.0001585	0	1	1
Bbx_j7	0.145493	0	0	1	1
AK084744	0.197846	0.0901011	-1.13476	0.467827	0.766747
Alcam_j5	0.12774	0	0	1	1
Nfkbiz	0.55615	0.809691	0.541897	0.0389193	0.220001
Nfkbiz	0.18829	0.203471	0.111866	0.829586	0.944941
Fam55c	4.28914	2.61059	0	1	1
Fam55c_j5	0.44893	0	0	1	1
Cep97_j1	1.09231	1.10549	0	1	1
AK015492	0.205354	0.122613	-0.744002	0.300226	0.646818
St3gal6_j1	0.370699	0.301585	0	1	1
St3gal6	7.15726	5.41645	0	1	1
Nsun3_j1	0.156549	0.0996913	0	1	1
Zfp654_j4	1.00575	0.651549	0	1	1
Robo2_j9	1.02034	0.0544546	0	1	1
Robo2_j10	1.74761	2.14733	0	1	1
Robo1	1.41575	1.85926	0.393164	0.148479	0.477336
XLOC_012946	0.345038	0.142961	-1.27113	0.308904	0.653779
Nrip1	2.3028	2.41103	0	1	1
D16Ertd472e	0.0855517	0.0327864	-1.3837	0.382182	1
D16Ertd472e	0.142264	0.0129142	-3.46154	0.144017	0.471055
Mrpl39_j1	0.166959	0 -1.79769e+308	0.0027358	0.0320632	
App_j4	6.94602	0	0	1	1
Ltn1_j4	3.83665	3.14709	0	1	1
Ltn1	3.74212	3.1934	0	1	1
Grik1_j1	34.8686	29.1142	0	1	1
Tiam1_j1	0.141796	0 -1.79769e+308	9.30E-05	0.0020197	
1110004E09Rik_j2	3.00995	3.24256	0.107393	0.651302	0.866122
Synj1_j8	10.4608	7.96316	0	1	1
Synj1_j14	0.717748	0.313984	0	1	1
Synj1_j13	2.85898	1.98748	0	1	1
Gcfc1_j4	0.159561	0.0658473	0	1	1

Gcfc1_j3	0.0244583	0.157592	0	1	1
Tmem50b_j2	5.55031	0.018073	0	1	1
Gart	2.56128	2.4245	-0.0791789	0.694	0.887051
Donson_j1	0.264198	0.222957	-0.244858	0.41128	0.730655
Rcan1_j2	0.457464	0.178603	0	1	1
XLOC_012983	0.168353	0.0747744	0	1	1
XLOC_012983	0.301789	0.128901	0	1	1
XLOC_012983	0.128768	0.0447107	0	1	1
Setd4_j6	0.364993	0.631077	0.789946	0.0834746	0.352255
Setd4_j9	0.191477	0.310881	0.699188	0.287049	0.635532
Setd4_j10	0.152267	0.217696	0.515712	0.429605	0.742849
Setd4_j14	0.116984	0	-1.79769e+308	0.0270501	1
XLOC_012990	0.0952658	0.0562322	-0.760562	0.624204	1
Brwd1_j2	1.19358	1.19534	0	1	1
Brwd1_j4	0.244357	0.159651	0	1	1
Brwd1_j6	1.52816	1.32369	0	1	1
Lca5l_j1	0.0685508	0.0510943	-0.424012	0.659285	1
Dscam_j10	0.156262	0.287985	0	1	1
Dscam_j9	0.0799195	0	0	1	1
Dscam_j8	0.605984	0.253212	0	1	1
Ripk4_j2	0.17824	0	-1.79769e+308	1.29E-05	0.0003861
Prdm15_j6	0.227395	0.112053	0	1	1
Prdm15_j1	0.6764	0.596758	0	1	1
C2cd2_j7	0.63087	0.9208	0	1	1
Zfp295_j2	0.275842	0.0900853	0	1	1
B230307C23Rik_j1	0.206285	0.385666	0.902709	0.0500308	0.258422
Zfp263_j1	0.425428	0.497164	0.224808	0.575093	0.828142
AK154225_j2	0.610662	0.850225	0.477471	0.103929	0.399846
AK154225_j1	0.464935	0.318189	-0.547144	0.167249	0.503637
Sec14l5_j2	0.135329	0.132965	-0.025426	0.959088	1
Sec14l5_j1	2.58E-05	0.086769	11.7163	0.926011	1
Rbfox1_j1	0.10675	0.190068	0.832273	0.414294	0.732813
Rbfox1_j3	0.505342	0.687815	0.444763	0.360831	0.695583
Rbfox1_j5	0.484443	0.371323	-0.383653	0.683453	0.881547
Rbfox1_j12	1.46215	1.12752	0	1	1
XLOC_012453	0.14211	0.152493	0.10174	0.893417	0.966325
Snx29_j5	1.40958	1.68449	0.257043	0.135057	0.457301
Snx29_j8	0	0.395871	1.79769e+308	2.55E-06	9.42E-05
Shisa9	0.0532227	0.309013	2.53756	0.0485537	0.253751
XLOC_012459	0.0260028	0.169855	2.70757	0.0140946	0.110014
Mpv17l	1.25317	1.86635	0	1	1
Mpv17l	0.231704	0.207545	0	1	1
Mpv17l	2.28213	1.55134	0	1	1
Snai2_j1	0	0.0736463	1.79769e+308	0.0718087	1
Prkdc	0.0947066	0.204616	0	1	1
Prkdc_j8	0.100071	0.100839	0	1	1
Prkdc_j10	1.29514	2.30823	0	1	1

Pkp2_j2	0	0.202085	1.79769e+308	0.0010812	0.0152006	
Pkp2_j4	0.222572	0.60645		1.44612	0.0014086	0.0187846
Aifm3_j3	0.754414	0.474226		-0.669784	0.114645	0.421286
Lztr1_j4	0.134279	1.66955		3.63616	1.33E-11	1.57E-09
Scarf2_j1	0	0.0479432	1.79769e+308		0.140757	1
Arvcf	0	0.0501813		0	1	1
Arvcf_j3	0.376707	0.344853		0	1	1
Gnb1l	0.000209894	0.396718		10.8842	0.663404	0.872571
Wdvcf	0.279177	0.371233		0.411144	0.439434	0.748957
XLOC_012499	0.0729681	0.12261		0.748741	0.453247	1
B3gnt5	0	0.0921713	1.79769e+308		0.0073883	1
B3gnt5_j5	0.183164	0.453462		1.30784	0.0037695	0.0411108
Yeats2_j5	0.000320365	0.213528		0	1	1
Vwa5b2_j3	7.24821	7.12621		-0.0244905	0.836843	0.947789
Ece2	7.24312	5.67591		0	1	1
Psm2_j1	0.299263	0.27579		-0.117846	0.755162	0.915526
Eif4g1_j5	0.0520345	0.108346		0	1	1
Vps8_j5	0.589153	0.587253		-0.00466055	0.988107	0.996422
Vps8_j6	0.206238	0.274269		0.411286	0.372807	0.705715
Fetub	0.240003	0.255262		0.0889245	0.858299	0.954952
St6gal1_j2	2.21109	3.12507		0	1	1
Rtp4_j4	0.199924	0.54245		1.44004	0.0250284	0.164456
XLOC_012529	0.134486	0.136638		0.0229037	0.975301	1
XLOC_012529	0.194209	0.260636		0.424427	0.331596	0.673041
XLOC_012532	0	0.120468	1.79769e+308		0.148319	1
Ccdc50	0.0639925	0.307101		0	1	1
Ccdc50_j2	1.22949	2.28643		0	1	1
4632428C04Rik_j2	0.120996	0.0756166		0	1	1
Bdh1_j1	5.64201	6.64517		0.236096	0.0736282	0.327003
Dlg1_j9	1.94071	2.32652		0.261592	0.256202	0.605042
Ubxn7_j2	0.066755	0.566904		3.08615	1.34E-13	2.18E-11
XLOC_012552	7.73042	9.25318		0.259401	0.273421	0.622536
Snx4	1.84703	0.878062		-1.07281	0.0007311	0.0111129
Zfp148_j3	0.0605371	1.27594		0	1	1
Heg1	1.80455	1.59256		0	1	1
Ccdc14_j3	0	0.0505347	1.79769e+308		0.0504389	1
Ccdc14_j2	0.0872209	0.0219785		-1.98858	0.131004	1
Ptplb_j1	1.79935	2.43921		0.43894	0.232395	0.579431
Adcy5_j1	4.41103	4.48427		0	1	1
Kpna1_j2	0	0.543595		0	1	1
Gm5483	0.0696882	0.480991		2.78702	0.0554061	0.274965
Gpr156_j4	0.204183	0.20465		0.00329007	0.995406	0.998726
Popdc2_j1	0.23286	0.245781		0.0779147	0.877349	0.96086
Tmem39a_j10	0.182137	0.514449		1.498	0.0276731	0.176203
Tmem39a_j8	0	0.367046	1.79769e+308		2.87E-05	0.000744
Tmem39a_j9	5.82E-05	0.145777		11.2898	0.919892	1
XLOC_012597	0.0441052	0.187483		2.08774	0.344552	0.684226

2610015P09Rik_j5	0.164523	0.320997	0.964274	0.158563	0.492879
Wdr52_j1	0.211888	0.230683	0.122612	0.804737	0.935382
Cd200r1_j1	0.0843556	0.223871	1.40811	0.100236	0.391937
Ccdc80_j2	0	0.627008	0	1	1
Atg3_j2	22.3388	21.0047	0	1	1
XLOC_012612	0.018887	0.156264	3.04853	0.256707	1
Gm15640	0.101432	0.151029	0.574316	0.516746	1
Ift57_j1	0.743001	1.60289	0	1	1
Ift57_j2	4.40155	4.58139	0	1	1
Rpl24_j3	0.684327	0.663587	-0.0444011	0.907879	0.971006
Zbtb11_j1	3.43124	2.94413	0	1	1
Senp7	0.10616	0.423654	1.99664	0.0009087	0.0132574
Abi3bp	0.430883	0.613259	0	1	1
Abi3bp_j2	0.211736	0.269485	0	1	1
Abi3bp_j1	0.459139	0.199312	0	1	1
Abi3bp_j8	0.184491	0.313319	0	1	1
Abi3bp_j7	0	0.0675492	0	1	1
Tomm70a_j4	0.0207934	0.218056	0	1	1
Dcblid2_j1	0.248542	0.260806	0	1	1
Cldnd1	1.0956	1.56195	0	1	1
Gm9017_j1	0.0855444	0.132747	0.633939	0.52712	1
Pros1_j1	0.754912	1.94134	0	1	1
Gbe1_j3	1.37607	1.56099	0	1	1
Usp25_j3	0	0.0525591	1.79769e+308	0.104626	1
2810055G20Rik_j1	0.349626	0.213103	-0.714263	0.475025	0.770913
2810055G20Rik_j3	0	0.338205	1.79769e+308	0.0240416	0.159942
Cxadr_j2	0.0184554	0.0717318	1.95857	0.0661375	1
Cxadr_j4	0	0.123867	1.79769e+308	0.0018653	1
Cxadr_j5	0.164824	0.270567	0.71506	0.115755	0.423327
Jam2_j2	1.05127	0.963917	0	1	1
Usp16_j1	5.63389	5.49933	0	1	1
Bach1_j1	0.778103	1.18622	0	1	1
Bach1_j5	0.00936672	0.508948	0	1	1
4931408A02Rik_j7	0.056019	0.0232929	-1.26602	0.463663	1
4931408A02Rik_j8	2.9997	2.69543	-0.1543	0.673907	0.877026
AK038602	0.604425	0.817873	0.436313	0.34822	0.686627
AK038602_j2	0.0787804	0.114681	0.541718	0.641038	1
AK038602_j3	0.168686	0.168383	-0.00259437	0.997866	0.999228
Ifnar1_j2	2.86872	2.90047	0.0158768	0.943572	0.98301
Ifngr2_j1	0.562696	3.87132	2.7824	4.44E-16	1.02E-13
Fam165b_j2	5.53796	3.89757	-0.506778	0.196873	0.539714
XLOC_012689	0.0334934	0.118014	1.81701	0.264371	1
Cbr1_j3	15.0306	20.4942	0.447317	0.0011786	0.0163165
Dopey2_j5	0.286095	0.271203	-0.07712	0.834567	0.946855
Morc3_j2	0.238804	0.286324	0	1	1
Ttc3_j3	25.7999	19.4787	0	1	1
Ttc3_j8	11.3885	11.2963	0	1	1

Mx2_j5	0.0114739	0.0892492	2.95948	0.119422	1
Nlrc3_j7	0	0.144025	1.79769e+308	0.0079351	1
Nlrc3_j8	0.0732739	0.126326	0.785785	0.579182	1
Trap1_j3	2.2519	1.82828	0	1	1
Tcfap4_j2	0	0.712479	1.79769e+308	7.34E-07	3.18E-05
XLOC_012720	0.232627	0.158947	-0.549472	0.272926	0.621826
Coro7_j6	5.55825	6.5934	0	1	1
Glyr1_j11	0.457156	4.00107	0	1	1
Glyr1_j13	0.0880425	0.035543	0	1	1
Glyr1_j14	0.780179	0.906279	0	1	1
Tmem186_j1	3.05952	2.57564	0	1	1
Parn_j5	2.52161	2.1401	-0.236662	0.349649	0.687323
4921513D23Rik_j6	0.0931484	0.0921871	0	1	1
Myh11	0.0402863	0.103311	1.35863	0.0393664	1
Myh11	0.0745782	0.13937	0.902094	0.0811722	1
Myh11_j2	0.0480394	0.0992648	1.04706	0.0996265	1
Ube2v2_j4	0	1.05743	0	1	1
Ube2v2_j1	0.272181	0.261021	0	1	1
2310008H04Rik_j1	0	0.116503	1.79769e+308	0.008867	1
Dnm1_j3	0.840139	0.213457	0	1	1
Fgd4_j7	0.141591	0.430324	1.6037	0.0019361	0.0243471
Fgd4_j8	0.0408316	0.0928322	1.18494	0.226331	1
Fgd4_j2	0	0.0861201	1.79769e+308	0.0010749	1
Ppil2_j6	0	0.964662	1.79769e+308	8.81E-06	0.0002785
Ppil2_j7	2.66284	2.94407	0.144845	0.559856	0.820916
Ube2l3_j5	61.6096	59.093	-0.0601675	0.492386	0.781013
Slc7a4_j2	0.279168	0.481847	0	1	1
Med15_j3	0.613917	0.392353	0	1	1
Zdhhc8	18.4101	16.9253	0	1	1
Comt_j2	14.6736	17.0247	0	1	1
Comt	9.12559	12.9142	0	1	1
Mrpl40_j4	11.4332	13.2723	0.215191	0.191049	0.533209
A930003A15Rik_j1	0	0.0730762	1.79769e+308	0.137278	1
Gm16618_j1	2.27572	2.76619	0	1	1
Alg3_j1	0.146241	0.162907	0.155703	0.633841	0.85798
Cln2_j2	0.83412	0.477148	0	1	1
2510009E07Rik_j2	0.105831	0.14903	0	1	1
Liph_j3	0.07008	0.655531	3.22559	1.62E-05	0.0004663
Liph_j1	0	0.338937	1.79769e+308	0.0002009	0.0038528
Tra2b_j4	1.1772	0.947356	-0.313377	0.258806	0.607552
Tra2b_j5	1.08051	1.11673	0.0475654	0.844032	0.950714
Etv5_j5	0.0809493	0.0694342	0	1	1
Dgkg_j1	0	0.28559	0	1	1
Tbccd1_j2	0.127701	0.153305	0.263632	0.741206	1
Rfc4_j1	0.0621552	0.0858728	0	1	1
Bcl6_j6	0.309003	0.449447	0	1	1
Bcl6_j7	0.293252	1.18429	0	1	1

Bcl6_j8	0.933404	0.414943	0	1	1
Leprel1_j1	0	0.113194 1.79769e+308	0.004725	1	1
Fgf12_j4	95.4661	67.7822	0	1	1
Fgf12_j5	0.86717	1.02287	0	1	1
Atp13a4	0	0.0822681 1.79769e+308	0.129786	1	1
AK165338_j3	0.0839193	0.0737078	-0.187186	0.868379	1
AK165338_j4	0.18488	0.152586	-0.276971	0.720115	0.899548
Lrrc15	8.59E-06	0.523397	15.8942	0.97047	0.991645
Atp13a3_j3	4.62698	5.12859	0	1	1
Atp13a3_j4	0	0.261677	0	1	1
Lsg1_j1	0.204162	1.17915	2.52996	2.67E-06	9.78E-05
AI480653_j2	0	0.380381	0	1	1
AI480653_j3	3.09554	3.15261	0	1	1
Acap2_j2	1.09524	0.873226	0	1	1
Ppp1r2_j1	51.2443	38.9092	-0.397281	7.42E-06	0.0002391
XLOC_012840	0.34844	0.353752	0.0218286	0.959439	0.988456
XLOC_012840	0.604089	0.496715	-0.282343	0.637072	0.859484
Senp5_j4	6.76553	5.96012	0	1	1
Senp5_j5	0.832071	0.958914	0	1	1
Lrrc33_j3	0	0.209872 1.79769e+308	0.00257	0.030485	
mKIAA0226	8.90361	9.70241	0	1	1
Kalrn_j7	0.528454	0.470606	0	1	1
Sec22a_j2	0.0881731	0.378765	2.10289	0.0216649	0.148922
Dtx3l_j1	1.56551	1.52523	0	1	1
Stfa2_j1	0.156608	0.372326	1.24941	0.350956	0.688199
Casr_j4	0.0541811	0.078237	0	1	1
Slc15a2_j7	0.624848	0.39715	-0.653821	1	1
Traits_j1	0.114772	0.144014	0.327432	0.779189	1
Fbxo40	0.459635	0.406572	-0.176975	1	1
Stxbp5l_j5	0.74392	0.912488	0	1	1
4932425I24Rik_j3	0	0.0624337 1.79769e+308	0.160957	1	1
Pla1a_j2	0	0.0599846 1.79769e+308	0.136235	1	1
Arhgap31_j1	3.76111	4.11292	0.129005	0.2987	0.645385
Zdhhc23_j7	0.580979	0.378119	0	1	1
Zdhhc23_j3	0	0.0773346	0	1	1
Gramd1c_j5	0.197861	0.23546	0.250995	0.603751	0.843471
XLOC_012894	0.300239	0.281746	-0.0917152	0.875262	0.960277
Slc35a5_j2	3.24823	3.73408	0	1	1
Gm609_j2	0.919555	0.850564	-0.112516	0.753097	0.914675
Tmprss7_j5	0	0.262035 1.79769e+308	0.00065	0.0101108	
Tagln3_j6	5.64669	3.52894	0	1	1
Plcx2_j4	3.6791	8.50335	0	1	1
Bbx_j1	0	0.117063	0	1	1
Bbx_j2	1.58817	1.57376	0	1	1
Bbx_j3	0.354786	0.206024	0	1	1
Bbx_j4	0.38255	0.481396	0	1	1
5330426P16Rik_j6	2.08423	3.4962	0.746274	0.0029954	0.0343926

AK157531_j2	0.0733012	0.0124602	-2.55651	0.352333	1
AK157531_j4	0.0250334	0.19197	2.93895	0.0979717	0.386822
Alcam_j4	0	0.0555611	0	1	1
St3gal6_j3	0.000552388	0.456853	0	1	1
E330017A01Rik	0.0581623	0.228132	1.97171	0.0317855	0.193053
Epha6_j2	0	0.286945	1.79769e+308	3.64E-13	5.59E-11
Zfp654_j5	0.000336092	0.667572	0	1	1
Robo2_j13	4.18494	5.60731	0	1	1
XLOC_012946	0	0.296393	1.79769e+308	0.0741399	0.328254
XLOC_012946	0.80142	0.770863	-0.0560837	0.933643	0.979831
Nrip1_j4	0.594955	1.9192	0	1	1
Nrip1_j6	0.0326111	2.19063	0	1	1
AK087725_j1	0.0618336	0.273529	2.14523	0.062823	0.296839
Btg3_j1	0.157855	0.231845	0.554561	0.354905	0.690914
D16Ert472e	0	0.0470861	1.79769e+308	0.141436	1
Mrpl39_j3	2.08683	1.54288	-0.435691	0.0852659	0.356401
Mrpl39_j5	8.37537	8.00543	-0.0651752	0.761562	0.917949
App_j5	0.115845	0.479345	0	1	1
App_j6	26.4819	28.4845	0	1	1
Adamts5_j3	0.465078	0.495993	0	1	1
Ltn1_j2	0.482116	1.52084	0	1	1
Rwdd2b_j1	0.134439	2.01565	0	1	1
Grik1_j3	0.334279	0.366243	0	1	1
Urb1_j6	1.23006	1.52254	0.307748	0.293407	0.640286
Urb1_j7	0	0.170147	1.79769e+308	1.17E-05	0.0003552
Synj1_j5	1.47461	1.49381	0	1	1
Synj1_j6	2.19496	1.65988	0	1	1
Synj1_j7	0.0432081	1.92094	0	1	1
Synj1_j1	0.170186	0.157338	0	1	1
Donson_j5	19.7193	21.295	0.110908	0.307334	0.652268
Runx1_j2	2.14251	2.70346	0	1	1
Setd4_j8	0.15637	0.39285	1.32901	0.0222273	0.15159
Hlcs_j3	0	0.0502574	0	1	1
Hlcs_j4	0.445898	0.705189	0	1	1
Erg_j2	0	0.0811469	1.79769e+308	0.0524289	1
Erg_j1	1.40E-05	0.0807783	12.4985	0.984267	1
Brwd1_j3	0.541281	0.818806	0	1	1
Hmgn1_j2	1.17486	1.29151	0	1	1
Mx1_j3	0	0.0494381	1.79769e+308	0.108618	1
Mx1_j4	0.108222	0.233901	1.11191	0.0395735	0.222296
Prdm15_j3	0.143226	0.313948	0	1	1
C2cd2	1.98739	2.62584	0	1	1
Zfp295_j6	0.603974	0.703692	0	1	1
Zfp295_j7	0.155896	0.181077	0	1	1
Vasn_j1	1.26353	1.31219	0	1	1
Mgrn1_j3	7.05456	6.03608	-0.224945	0.0667672	0.308828
Mgrn1_j6	2.0297	2.41603	0.251367	0.199121	0.542198

Sec14l5_j10	0.140562	0.254786	0.858073	0.0775494	0.337104
Rbfox1_j8	11.5438	11.7014	0	1	1
Rbfox1_j11	3.56681	3.36721	0	1	1
Rbfox1_j15	14.7695	15.0008	0	1	1
Nubp1_j1	7.05415	6.00141	0	1	1
Ciita_j1	0.124619	0.162607	0.383859	0.471102	0.768695
Ciita_j2	0.31245	0.424113	0.440822	0.0642812	0.301044
Clec16a_j6	0.388166	0.504721	0	1	1
4930509G22Rik_j1	0.107382	0.171601	0.676303	0.459684	0.76155
Abcc1_j2	0	0.22312	1.79769e+308	1.04E-08	7.25E-07
Snai2_j4	0	0.103126	1.79769e+308	0.0432004	1
Efcab1_j1	1.49423	1.86265	0.317956	0.143618	0.470722
Prkdc_j6	0	0.201063	0	1	1
Aifm3_j6	0.45436	0.0313104	-3.85912	0.0085142	0.0759733
Lztr1_j3	30.9522	36.2386	0.227488	0.017461	0.128141
Scarf2_j2	0.15573	0.338357	1.1195	0.0234075	0.156895
Gnb1l_j2	0.0338035	0.127889	1.91964	0.0439891	1
Ufd1l	15.7768	16.685	0.0807527	0.557313	0.819571
XLOC_012499	0.117812	0.219686	0.898956	0.389754	0.716855
B3gnt5_j1	0.468605	0.251113	-0.900037	0.0348872	0.205242
B3gnt5_j3	0.150617	0.186119	0.30534	0.60395	0.843588
XLOC_012501	0.105407	0.140447	0.414052	0.615235	1
Yeats2_j1	0.0468074	0.0950407	0	1	1
Yeats2_j3	0	0.115046	0	1	1
Ap2m1_j1	0.54648	0.671592	0.297417	0.24377	0.591081
Ap2m1_j3	0.0129301	0.099409	2.94264	0.0038742	1
Ap2m1_j2	0.0385822	0.0599059	0.63476	0.421529	1
Vwa5b2_j2	1.27346	1.25168	-0.0248815	0.90069	0.968396
Vwa5b2_j4	1.6036	1.59557	-0.00723953	0.975098	0.992833
Ece2_j3	7.48007	7.58098	0	1	1
Ece2_j2	0	1.01133	0	1	1
XLOC_012509	0.0541839	0.178279	1.7182	0.275668	0.624585
Eif4g1_j6	0.403465	1.04913	0	1	1
Chrd_j5	0.0566384	0.107467	0.924043	0.614566	1
Ephb3_j3	1.47058	1.59508	0.117241	0.645522	0.863359
St6gal1_j1	4.13007	2.63684	0	1	1
St6gal1_j3	4.01174	3.74133	0	1	1
AK144897_j1	0.18335	0.24563	0.421886	0.535638	0.80631
AK144897_j11	0.0617224	0.0701258	0.18415	0.918009	1
Rtp4	3.7119	3.67706	-0.0136063	0.951024	0.985865
XLOC_012529	0	0.051447	1.79769e+308	0.192988	1
XLOC_012529	0.0541461	0.252078	2.21894	0.0347455	0.204729
XLOC_012529	0.160461	0.344339	1.10161	0.025267	0.165533
Lpp_j4	0	0.102571	1.79769e+308	0.0682251	1
Lpp_j8	0.0715218	0.0963614	0.430072	0.80972	1
Il1rap_j3	0.065885	0.101856	0.628513	0.582303	1
Hes1_j1	1.34559	1.17938	-0.190213	0.675416	0.877616

XLOC_012541	0.269595	0.120238	-1.1649	0.246378	0.594086
Dlg1_j11	0.123179	0.329549	1.41974	0.0514349	0.262915
Pcyt1a_j2	0	0.376534	0	1	1
Tnk2_j5	0.000789673	3.35407	0	1	1
Rpl35a_j4	0.934721	0.9085	-0.041049	0.888414	0.964658
Osbpl11_j1	0.0107116	0.460054	5.42456	0.0041527	0.0440867
Snx4_j7	0.0489153	0 -1.79769e+308		1	1
Ccdc14_j1	0	0.0815627 1.79769e+308		0.0118709	1
Mylk_j1	0.120857	0.274224	1.18205	0.0190544	0.13627
Mylk_j3	0	0.0750604 1.79769e+308		0.0154568	1
Mylk_j6	0	0.0481324 1.79769e+308		0.0928411	1
Ptplb_j5	2.00076	2.70798	0.436669	0.0154354	0.117303
Adcy5_j3	5.69806	6.70656	0	1	1
XLOC_012578	0.0744494	0.165868	1.1557	0.264192	0.613127
Iqcb1_j5	0	0.126434	0	1	1
Golgb1_j5	0.00420765	0.25121	0	1	1
Golgb1	0.866322	0.91995	0	1	1
Polq_j1	0.0341615	0.104313	1.61048	0.226778	1
Tmem39a_j3	0	0.146359 1.79769e+308		0.004986	1
Zbtb20_j2	0.214806	0.654238	1.60678	0	0
2610015P09Rik_j4	0	0.0557045 1.79769e+308		0.112636	1
2610015P09Rik_j6	0.216603	0.855122	1.98108	0.0024673	0.0295306
XLOC_012612	0.130356	0.150832	0.210493	0.696849	1
Btla_j1	0.136638	0.198423	0.538225	0.447816	0.754552
C330027C09Rik	0.699199	0.471534	-0.56834	0.0575754	0.281206
Cblb_j4	1.96964	1.53166	0	1	1
Rpl24_j2	0.341295	0.353119	0.0491332	0.92689	0.977384
Rpl24_j7	0.0768055	0.0919803	0.260116	0.825993	1
Senp7_j4	0	0.122077 1.79769e+308		0.0032411	1
Abi3bp_j3	0.0602598	0.27512	0	1	1
Tomm70a_j1	16.8073	14.1762	0	1	1
Tomm70a_j2	0.193119	0.151366	0	1	1
Gbe1_j2	0.628909	0.861883	0	1	1
Robo1_j3	0	0.0686594 1.79769e+308		0.0064592	1
2810055G20Rik	0.50465	0.533382	0.0798875	0.851058	0.95267
Bach1_j4	1.98371	3.77053	0	1	1
AK090163_j4	0.0541372	0.109782	1.01995	0.274419	1
4931408A02Rik_j9	0.321714	0.15266	-1.07545	0.320492	0.663744
Ifnar2_j1	1.89933	2.02647	0	1	1
AK038602_j1	0.0899065	0.191967	1.09436	0.307226	0.652224
AK038602_j4	0.0619935	0.146969	1.24532	0.357515	1
Ifnar1_j5	0.118871	0.0327254	-1.86092	0.192642	1
Itsn1_j1	0.322547	0.247583	-0.381596	0.166888	0.503257
XLOC_012688	0	0.0515368	0	1	1
Cbr1_j2	0.277061	0 -1.79769e+308		0.0036955	0.0405851
Dopey2_j4	0.992126	0.867039	-0.194427	0.403967	0.72656
Chaf1b_j5	0.0660165	0.297956	2.1742	0.0869113	0.360373

Ttc3_j9	73.1835	67.8775	0	1	1
Sh3bgr_j1	2.27726	1.94408	-0.228211	0.516659	0.795178
Igsf5_j1	118.626	77.8436	0	1	1
1700037C18Rik_j1	1.11603	0.568124	-0.974095	0.0934528	0.376477
Nlrc3_j4	0.0593474	0.0932287	0.65159	0.381252	1
Slx4_j2	0.621364	0.631315	0.0229224	0.961305	0.989009
Trap1_j2	2.11781	2.39107	0	1	1
Crebbp_j5	0	0.0799129	1.79769e+308	0.0006412	1
Fam100a_j2	5.12256	9.43957	0.881857	2.06E-05	0.0005672
Glyr1_j3	0.387712	0.48142	0	1	1
Carhsp1_j2	25.5807	38.1818	0	1	1
Emp2_j1	0.90723	2.82576	1.6391	3.53E-12	4.61E-10
Txndc11_j1	0.937943	0.966014	0.0425432	0.8595	0.955525
Parn_j6	0.00112624	0.914314	9.66503	0.216642	0.562756
Dnm1l_j2	3.66505	4.66818	0	1	1
Ube2l3_j2	0.298143	0.162046	-0.879602	0.162467	0.497968
Ube2l3_j4	0	0.437722	1.79769e+308	0.0047228	0.0485971
Pi4ka_j6	6.7334	7.96208	0.241812	0.0888236	0.365257
Med15_j2	0.927593	0.813903	0	1	1
Dgcr2_j1	1.33998	1.71025	0	1	1
Slc25a1_j3	2.97053	15.0539	0	1	1
Zdhhc8_j1	1.40301	0.702251	0	1	1
Zdhhc8_j8	0.469629	0.479824	0	1	1
Zdhhc8_j7	1.16647	1.19054	0	1	1
Ranbp1_j1	2.7854	3.98891	0.518107	0.0595493	0.287106
Dgcr8_j1	0.134216	0.107747	-0.316902	0.461909	1
Comt_j3	17.8894	15.4933	0	1	1
Sept5_j2	2.35402	5.33741	0	1	1
Cdc45_j1	0	0.173335	1.79769e+308	0.0866772	0.359862
Cdc45_j2	1.04228	0.697917	-0.578612	0.0667134	0.308608
Cdc45	0.0506833	0.0689525	0.444091	0.732633	1
Mrpl40_j1	5.38816	5.92804	0.137763	0.43064	0.743283
Mrpl40_j2	0	0.103674	1.79769e+308	0.116798	1
Klhl6_j1	0.516723	0.641727	0.31257	0.515065	0.793917
Abcc5_j3	0.308901	0.0771356	0	1	1
Alg3_j3	6.02778	5.95603	-0.0172756	0.92174	0.975486
Cln2_j7	0.234408	0.315497	0	1	1
Ehhadh_j1	0.0837646	0.111046	0.406746	0.649715	1
Liph_j2	0	0.0827177	1.79769e+308	0.0525328	1
Igf2bp2_j1	0.105913	0.254968	1.26743	0.0543633	0.271922
Etv5_j9	7.52093	8.4722	0	1	1
Dgkg_j3	0	0.0531565	0	1	1
Rfc4_j2	0.796042	0.700013	0	1	1
1600021P15Rik_j1	0.438012	0.86174	0.976282	0.0082446	0.0742883
Atp13a4_j2	0	0.115215	1.79769e+308	0.0661516	1
Atp13a4_j3	0.0628181	0.0826853	0.396451	0.824614	1
AK165338_j6	0.106217	0.515677	2.27945	0.0617028	0.293596

AK165338_j7	0.414927	0.653345	0.654988	0.515894	0.794623
AK165338_j10	0	0.143789 1.79769e+308		0.0106744	1
XLOC_012832	0.0565707	0.0871283	0.623087	0.680817	1
Tmem44_j6	0.186909	0.242113	0.373344	0.35379	0.690055
Ppp1r2_j3	2.951	0.974501	-1.59847	2.09E-06	7.88E-05
Senp5_j3	9.31664	9.44356	0	1	1
Pigx	2.5405	2.77062	0.1251	0.500582	0.785042
Lrrc33_j2	0.0444564	0.238444	2.42319	0.0119615	0.0979788
1700021K19Rik_j1	0.389588	0.270383	0	1	1
Kalrn	2.36024	2.09036	0	1	1
Dirc2_j3	23.3964	27.0704	0.210434	0.0698186	0.317102
Casr_j1	0.245622	0.29451	0	1	1
Slc15a2_j5	0.116805	0.147785	0.339395	0.669775	1
Pla1a_j3	0	0.109127 1.79769e+308		0.0445747	1
Ktelc1_j2	2.48461	2.91853	0	1	1
Gap43_j3	88.0992	120.054	0.446484	2.88E-05	0.0007469
Gap43_j5	0	0.915809 1.79769e+308		0.0001775	0.003477
Qtrtd1_j1	0.07898	0.0900144	0	1	1
Gramd1c	0.0760874	0.0972901	0.354636	0.655047	1
Slc35a5_j1	17.5653	14.5799	0	1	1
Cd200_j1	27.1919	34.0214	0.323265	0.0007513	0.0113916
Tmprss7_j6	0.06861	0.297559	2.11669	0.167063	0.503357
Tmprss7_j7	0.246664	0.169061	-0.545005	0.396031	0.720998
Phldb2_j3	0	0.305482	0	1	1
Plcx2_j3	1.3153	2.79687	0	1	1
Pvrl3_j3	0	0.843425	0	1	1
Pvrl3_j2	5.59058	3.73105	0	1	1
XLOC_012906	0.078618	0.162159	1.04448	0.260176	0.608919
Dzip3_j4	4.73496	4.06169	-0.221271	0.113204	0.418792
Bbx_j9	0	0.0913115	0	1	1
Bbx_j10	0.384045	0.0795109	0	1	1
Bbx_j12	0.00135008	0.0918594	0	1	1
5330426P16Rik_j2	0.101611	0.424514	2.06276	0.001151	0.0159976
Alcam_j6	0.0257639	0.122265	0	1	1
Nfkbiz_j2	0	0.0919712 1.79769e+308		0.0130049	1
Tfg_j3	3.88067	4.4315	0	1	1
Crybg3_j1	0.300742	0.327114	0.121265	0.644527	0.862952
Epha6_j5	0.382566	0.442425	0.209722	0.63637	0.859038
Htr1f	1.28487	1.53995	0.261255	0.200768	0.544177
Chmp2b_j1	31.3686	30.2206	-0.0537868	0.592818	0.8379
AK087725_j6	0.0509322	0 -1.79769e+308		0.0398729	1
AK087725_j8	0.000743907	0.147778	7.63409	0.844761	1
D16Ertd472e_j2	0	0.15672 1.79769e+308		0.0232259	1
Mrpl39_j8	0.100226	0.163907	0.709622	0.627231	0.854539
App_j7	90.7561	99.8568	0	1	1
Cyyr1_j1	0	0.0678828 1.79769e+308		0.123779	1
Adamts1_j1	1.31978	2.61023	0	1	1

Adamts5_j1	1.69318	1.38235	0	1	1
Ltn1_j3	0.0493274	0.034576	0	1	1
Grik1	2.37485	2.40221	0	1	1
Tiam1_j3	0.0261458	0.0481014	0.8795	0.618018	1
Scaf4_j2	0.211836	0.601859	1.50647	1.47E-10	1.44E-08
Synj1_j9	1.0422	1.71461	0	1	1
Synj1_j12	0.85786	0.435055	0	1	1
Synj1_j11	2.3643	3.09844	0	1	1
Donson_j3	0.202963	0.262442	0.370781	0.513894	0.793006
Atp5o_j2	36.1187	32.9964	-0.130434	0.398006	0.722245
Atp5o_j3	15.3577	16.7749	0.12734	0.622428	0.852322
Runx1_j5	0	0.457176	0	1	1
Setd4_j5	0.774909	1.938	1.32247	0.0110278	0.0921261
Setd4_j12	0.422337	0.658317	0.64039	0.293893	0.640708
Hlcs_j6	0.000907079	1.22072	0	1	1
Erg	0.0569326	0.147636	1.37472	0.235576	1
Mx1_j2	0.12201	0.0982718	-0.312146	0.779775	1
C2cd2_j8	0.512365	0.854827	0	1	1
Zfp295_j9	0	0.145613	0	1	1
Zfp295_j1	7.99E-05	0.583186	0	1	1
Zfp174_j2	0.367674	0.425091	0.209343	0.46931	0.767468
Cluap1_j1	0.3482	0.461947	0.407813	0.299623	0.646333
AK154225_j3	0.195559	0.159921	-0.290245	0.619986	0.850928
AK154225_j6	0	0.126926	1.79769e+308	0.012751	1
Sec14l5_j3	0.0679405	0.0701044	0.0452323	0.951117	1
Sec14l5_j9	0.029105	0.179972	2.62843	0.0027017	0.0317766
BC024814_j1	2.42178	3.82686	0	1	1
Abat_j1	0.938889	0.551621	-0.767277	0.0150275	0.115102
XLOC_012443	0.0492559	0.156386	1.66674	0.155243	1
Clec16a	0.849325	1.10407	0	1	1
Snx29_j6	0.935969	1.02298	0.128249	0.644356	0.862839
Snx29_j7	1.13515	0.900158	-0.334631	0.183404	0.524055
XLOC_012459	0.0544321	0.109335	1.00622	0.427997	1
2900011008Rik_j1	18.9685	18.5521	-0.0320224	0.840977	0.949797
Prkdc_j5	0.0429962	0.0668557	0	1	1
Prkdc_j7	0.0648955	0.206415	0	1	1
Ppm1f_j1	0.28973	0.0806215	-1.84547	0.154134	0.487096
Aifm3_j5	0.211079	0.284097	0.428605	0.492868	0.781353
Smpd4_j3	0.217939	0.387398	0	1	1
Klhl22_j5	4.26582	4.73529	0	1	1
Arvcf	2.8578	3.06703	0	1	1
Txnrd2_j1	4.76252	4.77618	0	1	1
Gnb1l	0.33903	0.0827473	-2.03463	0.0055441	0.0548987
Hira_j2	4.06623	4.85639	0.256192	0.0655427	0.305163
Yeats2_j7	0.336492	0.871861	0	1	1
Eif2b5_j3	0.514901	4.02659	0	1	1
Dvl3_j3	1.40085	0.640718	-1.12854	0.0002181	0.0041152

Dvl3_j4	2.36096	1.91306	-0.30349	0.180511	0.520279
Abcf3_j2	5.05818	3.4473	-0.553149	0.009307	0.0812759
Psm2_j5	0.2383	0.133146	-0.839774	0.377076	0.708952
Eif4g1_j3	0.0576319	0.0988819	0	1	1
Chrd_j2	0	0.0535322	1.79769e+308	0.102206	1
Chrd_j6	0.259923	0.272795	0.0697326	0.933398	0.979805
AK144897_j7	0.398947	0.605104	0.600987	0.264473	0.613354
AK144897_j6	0.254529	0.236474	-0.106151	0.892006	0.965709
AK144897_j10	0.364153	0.458202	0.331439	0.7495	0.913025
AK144897_j12	0	0.241	1.79769e+308	0.0905322	0.3696
Rtp4_j1	0	0.305712	1.79769e+308	0.003168	0.0360095
Lpp_j5	0.0835461	0.185985	1.15454	0.280222	0.629039
XLOC_012531	0.0499982	0.162097	1.69691	0.146741	0.475087
Tprg_j3	0.0128142	0.118022	3.20323	0.507188	1
Il1rap	0.190986	0.169646	-0.170941	0.765367	0.919757
Ccdc50_j1	0.0363978	0.136087	0	1	1
Opa1_j2	1.6185	1.32563	0	1	1
4632428C04Rik	0.465215	0.767018	0	1	1
Bdh1_j2	5.41325	6.08526	0.168823	0.462613	0.763368
Dlg1_j3	0.472799	0.571854	0.274418	0.394266	0.719811
Dlg1_j8	0	0.0629486	1.79769e+308	0.034035	1
Tnk2	9.82187	6.99691	0	1	1
Tnk2_j6	2.62785	2.49917	0	1	1
Tnk2_j9	0.269169	0.298432	0	1	1
Rpl35a	0.159275	0.139379	-0.192508	0.881949	0.962591
Rpl35a	5.20912	6.68051	0.358918	0.186871	0.527882
Rpl35a	2.54369	2.87715	0.177714	0.646211	0.863593
Zfp148_j2	0.279825	0.153352	0	1	1
Itgb5_j3	0.428524	0.880725	1.03931	0.0419229	0.231145
Ccdc14_j4	0.0588602	0.0838008	0.509672	0.577812	1
Ccdc14_j5	0.0170141	0.0567883	1.73887	0.273512	1
Mylk_j7	0.214105	0.691983	1.69242	0.0010833	0.0152132
Adcy5_j2	0.623659	1.85322	0	1	1
Sema5b_j1	0.32609	0.0915425	-1.83276	0.0019807	0.0248113
Golgb1_j3	0.182859	0.289228	0	1	1
Golgb1_j6	3.24915	3.12391	0	1	1
Gsk3b_j3	0	0.274347	0	1	1
Cd80_j1	0.0932241	0.125268	0.426237	0.6492	1
Tmem39a_j4	0.493628	0.510971	0.0498179	0.927522	0.977629
XLOC_012597	0.139324	0.0769331	-0.856764	0.600313	0.841633
Zbtb20_j1	0.0757811	0.135099	0.834109	0.437801	1
2610015P09Rik_j3	0	0.0946428	1.79769e+308	0.0159445	1
BC027231_j1	1.02889	1.2337	0.2619	0.226444	0.573564
Ccdc80_j3	1.3874	1.26194	0	1	1
XLOC_012612	0.0744954	0.0861994	0.210527	0.877272	1
Gm5406	4.33094	3.91411	-0.145996	0.490734	0.780087
Morc1_j3	0	0.0720566	1.79769e+308	0.0920838	1

Cd47_j5	1.77497	5.64572	0	1	1
Abi3bp_j6	0	0.097626	0	1	1
Filip1l	0.629344	0.910833	0.533336	0.0129923	0.104077
Cldnd1_j1	5.03353	4.97782	0	1	1
Pros1_j2	0.769137	0.70958	0	1	1
Robo1_j4	0.408194	0.170571	-1.25889	0.0022064	0.0269668
2810055G20Rik	0.172036	0.199726	0.215314	0.803969	0.935008
2810055G20Rik_j2	0.379142	0.260687	-0.540416	0.478793	0.773322
Chodl_j2	0.0460373	0.0554443	0.268235	0.856197	1
Bach1_j3	0	0.380737	0	1	1
AK090163_j3	0.0841184	0.31698	1.9139	0.028777	0.180589
4931408A02Rik_j3	0.368312	0.283176	-0.379231	0.487649	0.77841
Dopey2_j9	0.061591	0.118165	0.940015	0.489915	1
Morc3_j1	0.0674878	0.11976	0	1	1
Chaf1b_j4	0	0.330058	1.79769e+308	0.0040928	0.0436312
Ttc3_j6	3.23569	4.09154	0	1	1
Bace2_j3	3.80351	4.1938	0.140924	0.433026	0.744598
Mx2_j1	0	0.174025	1.79769e+308	0.0034713	0.0386896
Slx4_j1	0.0295811	0.0834581	1.49638	0.114849	1
Slx4_j12	0.196687	0.21959	0.158912	0.827255	0.944343
Crebbp_j2	0.977022	0.22611	-2.11137	7.67E-09	5.43E-07
Adcy9_j1	0.331714	0.44987	0	1	1
Coro7_j1	0.514215	0.580649	0	1	1
Coro7_j3	0.149389	0.479393	0	1	1
Coro7_j5	2.06784	3.05513	0	1	1
Fam100a_j3	4.9336	6.1404	0.315691	0.17302	0.510725
Glyr1_j10	0	0.150208	0	1	1
Glyr1_j12	6.61185	4.4128	0	1	1
Glyr1	0.123221	0.345294	0	1	1
Litaf_j1	1.96199	2.01945	0.0416406	0.875805	0.960577
Parn_j1	0	0.111022	1.79769e+308	0.0698634	1
4921513D23Rik_j4	0	0.068775	0	1	1
0610037P05Rik_j2	7.66865	7.59185	0	1	1
Dnm1l_j1	46.5393	45.0376	0	1	1
Ppil2_j2	4.70848	5.60831	0.252304	0.0487892	0.25449
Ppil2_j5	6.30803	4.89856	-0.364832	0.05338	0.268937
Ppil2_j4	7.59985	9.24815	0.283193	0.0750888	0.330832
Ube2l3_j7	5.93738	6.46554	0.122944	0.55364	0.817251
Thap7	8.03003	8.93773	0.154502	0.161194	0.496146
Slc7a4_j4	0.672071	0.72959	0	1	1
Med15_j6	3.60387	2.90625	0	1	1
Med15_j7	5.66645	6.59328	0	1	1
Med15_j8	0.185741	0.039086	0	1	1
Dgcr2_j2	0.0749947	0.331329	0	1	1
Slc25a1_j1	13.2403	9.05779	0	1	1
4933432I09Rik_j4	0.0323105	0.0837588	0	1	1
Ranbp1_j3	0.546778	0.401153	-0.446804	0.52736	0.801527

Map6d1_j1	0.460765	0.616064	0.419048	0.21974	0.566404
Abcc5_j1	21.7451	18.0625	0	1	1
Alg3_j2	2.61387	2.4636	-0.0854208	0.494886	0.782608
Camk2n2_j1	0.622255	0.813981	0.38749	0.28207	0.630591
Ehhadh_j3	0	0.0835063	1.79769e+308	0.0345552	1
Igf2bp2_j2	0.0654072	0	-1.79769e+308	0.0324204	1
Igf2bp2_j3	0	0.0986389	1.79769e+308	0.0203346	1
Igf2bp2_j4	0	0.116124	1.79769e+308	0.0109713	1
Fgf12_j7	103.392	73.9872	0	1	1
Atp13a4_j4	0.00811649	0.08715	3.42457	0.417385	1
XLOC_012832	0.23885	0.298345	0.320874	0.505141	0.788084
Atp13a3_j6	0	0.13268	0	1	1
Lsg1_j2	0	0.0485235	1.79769e+308	0.110302	1
AI480653_j1	0.0822421	0.251521	0	1	1
Acap2_j4	0.0932971	0.24885	0	1	1
Ppp1r2_j2	100.059	89.1523	-0.166508	0.0558788	0.276326
1700021K19Rik_j2	0.914599	1.08091	0	1	1
Iqcg_j2	1.05706	0.882188	0	1	1
Iqcg_j1	0.0418984	0.11102	0	1	1
Kalrn_j6	0.26713	0.692332	0	1	1
Kalrn_j4	0.364983	0.219557	0	1	1
Kalrn_j3	0.152753	0.136942	0	1	1
Kalrn_j5	0.363748	0.350127	0	1	1
Kalrn_j9	0.649084	0.352157	0	1	1
Kalrn_j10	0.255539	0.42919	0	1	1
Pdia5_j2	0.330872	0.611918	0	1	1
Pdia5_j3	0.26618	0.761916	0	1	1
Parp14_j2	0.109246	0.116802	0.0964866	0.85334	1
Stfa2_j2	0.0510076	0.358538	2.81334	0.30955	0.654179
Stfa2_j3	0	0.263403	1.79769e+308	0.0947374	0.379518
Slc15a2_j8	0.128115	0.16899	0.399499	0.712361	0.895711
Stxbp5l_j4	0.179555	0.302066	0	1	1
Gtf2e1_j1	0.904885	0.855302	0	1	1
Ndufb4_j1	0.657829	0.688652	0.0660618	0.851509	0.952852
Gap43_j1	126.556	316.584	1.32281	0	0
Qtrtd1_j7	0.259346	0.693709	0	1	1
Zdhhc23_j1	0.130409	0.151426	0	1	1
Atp6v1a_j1	49.6871	49.5498	0	1	1
Boc_j5	0.211426	0.31638	0	1	1
Tmprss7_j1	0.0636454	0.0412778	-0.624691	0.742896	1
Tmprss7_j2	0.146461	0.15335	0.0663053	0.932535	0.979532
Tagln3_j1	83.9402	81.266	0	1	1
Abhd10_j1	24.1682	23.8184	0	1	1
Phldb2_j5	0.328363	0.0349796	0	1	1
Picxd2_j2	1.67892	1.09437	0	1	1
Bbx_j14	0.0541076	0.559948	0	1	1
Bbx_j15	0.0399659	0.0800701	0	1	1

5330426P16Rik_j4	0.504641	0.592172	0.230758	0.54636	0.81297
Alcam_j7	9.09757	8.88559	0	1	1
Pcnp_j1	0.788929	1.1985	0.603262	0.0950363	0.380496
Tmem45a_j1	0.169431	0.157841	-0.102228	0.903655	0.969148
Tmem45a	0.0687901	0.142324	1.04891	0.340988	1
Tbc1d23_j3	0.396187	0.342458	0	1	1
XLOC_012932	0.10187	0.16169	0.666512	0.482957	0.77583
Epha3_j2	3.69E-05	0.140235	11.8932	0.903291	1
Epha3	0.139843	0.209936	0.586143	0.160083	0.49462
Robo2_j6	0.0986466	0.0413155	0	1	1
XLOC_012946	0.772072	0.844759	0.129805	0.53388	0.805306
Nrip1_j5	1.12906	1.54009	0	1	1
AK087725_j4	0.0835253	0.262014	1.64936	0.224558	0.571654
AK087725_j5	0	0.111461	1.79769e+308	0.0704617	1
Mrpl39_j6	0.349599	0.264162	-0.404281	0.6965	0.888126
Atp5j_j1	7.14233	14.4981	0	1	1
Atp5j_j2	13.3708	46.6013	0	1	1
App_j2	8.59829	14.8079	0	1	1
App_j3	21.9305	31.189	0	1	1
App	26.8054	34.6204	0	1	1
Ltn1_j6	0.588922	0.70428	0	1	1
Cct8_j2	73.1643	75.5539	0	1	1
Cct8_j3	1.16412	1.28358	0	1	1
XLOC_012964	0.104809	0.314572	1.58563	0.00092	0.0133705
XLOC_012964	0	0.0478108	1.79769e+308	0.11252	1
Urb1_j9	0.281865	0.397057	0.494341	0.162953	0.498187
Synj1_j3	0.189007	0.62286	0	1	1
Synj1_j2	1.44258	1.3161	0	1	1
Gcfc1_j1	2.02554	2.2162	0	1	1
Gcfc1	0	0.115709	0	1	1
Tmem50b_j3	0.155464	0.419199	0	1	1
Atp5o_j1	0	0.331125	1.79769e+308	0.0594096	0.286574
Runx1_j3	0.36056	0.358968	0	1	1
Runx1_j4	0	0.0471139	0	1	1
XLOC_012983	0.02388	0.102191	0	1	1
XLOC_012983	0.382992	0.725307	0	1	1
Cldn14_j2	0	0.0506539	1.79769e+308	0.128247	1
Cldn14_j1	0	0.0960133	1.79769e+308	0.0635784	1
Hlcs_j5	2.86468	2.70227	0	1	1
Brwd1_j1	0.425505	0.509479	0	1	1
Mx1_j1	0	0.153553	1.79769e+308	0.0063668	1
Ripk4_j4	0	0.138435	1.79769e+308	0.0721714	1
Prdm15_j7	0.206478	0.269151	0	1	1
Scaf8_j1	0.915306	0.517339	0	1	1
XLOC_013763	0.324045	0.0486457	-2.73581	0.0283934	0.179151
Arid1b	0.250484	0.140267	0	1	1
Arid1b_j3	6.30448	6.57764	0	1	1

Arid1b_j4	0.1831	0.000239882	0	1	1
Zdhhc14	0.382529	0.266899	-0.519272	0.0962859	0.383138
Zdhhc14_j5	0.826441	0.959772	0.215781	0.63028	0.856283
XLOC_013767	0.178848	0.0813602	-1.13634	0.204552	0.548696
Snx9	7.03792	6.11616	0	1	1
Snx9_j3	0.10852	0	0	1	1
Synj2_j4	0.631554	0.353298	0	1	1
Gtf2h5	17.4443	18.7584	0.104778	0.28905	0.63673
Tulp4_j2	0.0563994	0.00829087	-2.76608	0.0258687	1
Tmem181a	0.529466	0.286312	0	1	1
Dynlt1c_j1	0.637112	0.637935	0.0018614	0.997614	0.999228
Syt13	7.16661	7.39074	0	1	1
Rnaset2b_j1	4.31552	4.87954	0.177209	0.40079	0.724158
Rnaset2b	0.380653	0.343286	-0.149066	0.593047	0.83794
Rnaset2b_j2	7.36774	8.16146	0.147606	0.501109	0.785318
Rnaset2b_j3	3.89071	4.15216	0.0938265	0.807852	0.936731
Rps6ka2	19.9491	17.9794	0	1	1
Rps6ka2_j4	0.0509235	0	0	1	1
Rsph3a	12.6398	13.0692	0.0482001	0.668449	0.874474
Fgfr1op	5.92341	5.36714	-0.142275	0.301304	0.64765
Sft2d1_j2	6.72138	7.86375	0.226461	0.276097	0.624922
Pde10a	0.962282	0.757603	0	1	1
1700010I14Rik_j3	0.118188	0.0234879	-2.33109	0.157811	1
1700010I14Rik	0.158733	0.225748	0.508113	0.417594	0.734655
Park2_j2	0.203392	0 -1.79769e+308		4.47E-06	0.000153
Park2_j3	0.759177	0.655447	-0.211957	0.345982	0.685212
Agpat4	17.4739	20.2649	0	1	1
XLOC_013794	0.235531	0.175663	0	1	1
Slc22a2_j2	0.308616	0.118173	-1.38491	0.176322	0.515018
Airn	1.40958	0.807332	0	1	1
Tcp1_j1	1.03686	0.848473	-0.289282	0.301871	0.648067
XLOC_013801	0.0998015	0.089677	-0.154325	0.882505	1
Sod2	0.242798	0.123919	-0.970357	0.103998	0.399912
Sod2_j3	10.5487	11.3932	0.111105	0.50445	0.787712
Tcp10a_j1	0.108749	0.10647	-0.0305601	0.971417	1
Mllt4_j5	0.912482	0.414678	0	1	1
Smoc2	3.69786	5.0804	0.45825	0.0017664	0.0226162
Fam120b_j2	8.15009	7.4661	0	1	1
Fam120b	1.8942	1.37395	0	1	1
Chd1	0.748495	0.675871	0	1	1
Chd1_j4	0.446433	0	0	1	1
Riok2	9.57125	9.17698	-0.0606881	0.625943	0.854009
Lix1_j4	72.3807	65.755	0	1	1
XLOC_013822	0.110383	0.0823722	-0.422283	0.602775	1
XLOC_013822	0.15609	0.101986	-0.613997	0.488025	0.778578
4930546H06Rik_j1	0.488023	0.533901	0.129624	0.796394	0.932066
4930546H06Rik_j6	0.308368	0.268775	-0.198256	0.548501	0.814203

4930546H06Rik_j5	0.338347	0.316384	-0.0968279	0.756616	0.916114
XLOC_013825	0.206352	0.0483764	-2.09274	0.0264441	0.170811
Ppp2r1a	64.836	58.0218	0	1	1
Ppp2r1a_j1	14.0316	27.2062	0	1	1
Zfp160	2.44629	2.25228	-0.119213	0.471502	0.769039
Zfp677	0.22215	0.262775	0.242295	0.663118	0.872404
Zfp677	0.907289	0.891745	-0.0249319	0.925386	0.976852
Zfp677_j3	0.238937	1.92E-05	-13.6005	0.978024	0.993706
Zfp948_j3	3.68502	4.5176	0	1	1
Zfp943	3.57072	2.11924	0	1	1
Hcfc1r1	9.52808	8.37842	-0.185509	0.296079	0.642856
Hcfc1r1_j1	0.528984	0.371876	-0.508403	0.49411	0.782398
Hcfc1r1_j3	42.098	46.1533	0.132682	0.349817	0.687467
Srrm2_j4	9.04011	9.74909	0	1	1
Prss32	0.0981434	0 -1.79769e+308		0.0104204	1
Abca3	0.736503	0.577286	-0.351405	0.20656	0.55114
Rnps1_j6	0.406699	0.535148	0.395975	0.270804	0.620012
Dci	4.63465	3.97876	-0.220143	0.312827	0.657266
Pgp	26.5487	28.8962	0.122236	0.363	0.697185
XLOC_013856	0.0651914	0	0	1	1
Caskin1	13.8261	11.4906	0	1	1
AK011460	4.35963	4.60602	0.079313	0.801194	0.933726
Nthl1	1.45085	1.97162	0.442481	0.092954	0.375025
Zfp598_j1	2.14035	1.77631	0	1	1
Zfp598	4.6247	4.48342	0	1	1
Zfp598_j4	2.86139	3.12536	0	1	1
Sepx1	53.2039	60.6547	0.189088	0.0545921	0.272507
Sepx1_j1	9.64433	11.8274	0.294377	0.339894	0.68005
Hs3st6	1.09845	0.53414	-1.04018	0.0141266	0.110193
Hs3st6_j2	0.109941	0.197458	0.844809	0.448355	0.75486
Hagh_j2	47.4872	52.2896	0	1	1
Hagh_j4	0.0374692	0.0688756	0	1	1
Hagh	25.6245	25.7966	0	1	1
Igfals_j1	0.112463	0.0296939	-1.92121	0.127928	1
Ift140	2.20622	2.10223	0	1	1
Clcn7	10.0684	10.021	-0.00680489	0.949075	0.985323
BC003965	2.79297	2.61479	-0.0951019	0.533174	0.80489
Unkl_j2	3.65113	3.18525	0	1	1
AK079380_j1	0.746777	0.965288	0.370282	0.415077	0.733098
AK079380	1.96359	1.94815	-0.0113849	0.968026	0.990986
AK079380_j3	0.623785	0.657352	0.075619	0.897767	0.967468
Lmf1_j1	1.07814	1.06821	0	1	1
Rpusd1	8.26997	7.3186	0	1	1
Narfl_j2	4.26745	4.37951	0.0373942	0.759107	0.917041
Ccdc78_j4	1.76012	2.00483	0.187802	0.206266	0.550755
Fbxl16	9.97031	6.92041	0	1	1
Fbxl16_j4	5.40504	0.339287	0	1	1

Fbxl16_j3	8.7586	16.7946	0	1	1
Wdr24	6.189	5.61813	-0.139617	0.277786	0.626672
Jmjd8	2.88883	2.99398	0.0515761	0.620024	0.850928
O610011F06Rik_j2	6.42711	6.63835	0.0466549	0.86337	0.956634
O610011F06Rik_j1	5.72484	5.47101	-0.0654288	0.72266	0.901249
O610011F06Rik	5.47067	5.49962	0.00761612	0.97036	0.991599
Tmem8_j2	0.443269	0.422973	-0.0676158	0.893861	0.966325
Tmem8_j1	5.19243	4.22597	-0.297129	0.100016	0.391628
Mrpl28	38.5828	45.5517	0.239548	0.0179386	0.130623
Axin1	0.777135	1.15983	0.577679	0.032034	0.194047
Axin1	3.84177	3.99053	0.0548077	0.703618	0.89151
Rgs11_j1	4.12052	3.62482	-0.184918	0.206254	0.550755
Luc7l	10.2934	9.47074	-0.120175	0.229084	0.576167
Ergic1	30.506	32.52	0.0922307	0.320405	0.663678
Atp6v0e_j1	17.4789	17.7434	0	1	1
A930001N09Rik_j2	0.371798	0	0	1	1
Kifc5b_j5	0.0490577	0	-1.79769e+308	0.041696	1
Tctex-3	0.0905886	0.109459	0	1	1
Phf1	14.0872	12.7753	0	1	1
XLOC_013900	0.96495	0.946561	0	1	1
Zbtb9	0.531867	0.684556	0	1	1
Zbtb9_j1	2.58778	1.24882	0	1	1
Ggnbp1	1.13754	1.04651	-0.120325	0.650908	0.866065
Itpr3	3.27654	3.11286	0	1	1
Itpr3_j4	1.08648	0.571461	0	1	1
Itpr3_j5	7.20751	8.29145	0	1	1
Pacsin1	18.796	12.7628	0	1	1
Pacsin1_j2	29.6985	24.4179	0	1	1
Uhrf1bp1	2.03643	2.12231	0.0595925	0.650402	0.86582
Anks1_j5	4.84936	6.19154	0	1	1
Scube3_j2	0.0642274	0.0629045	-0.0300243	0.979299	1
Scube3_j1	0.0681028	0.0270114	-1.33415	0.276775	1
Scube3_j4	0.0675623	0.0295003	-1.19549	0.518479	1
Zfp523_j3	9.36755	9.83936	0.0708929	0.560353	0.821088
Zfp523_j5	5.55347	5.61498	0.0158895	0.922727	0.975933
Def6	4.78143	4.57913	0	1	1
Ppard	3.70946	5.19249	0.485217	0.0006	0.0094829
Fance_j6	0.826407	0.357217	-1.21005	0.0321945	0.194595
Fance_j5	0.542923	0.0161379	-5.07222	0.03322	0.198867
Fance	0	0.204123	1.79769e+308	0.015795	0.1192
Rpl10a_j1	0.120386	0.133531	0.149504	0.844426	1
Lhfp15	9.3292	8.06806	-0.209531	0.109778	0.412306
Mapk14	10.9705	11.4445	0	1	1
Mapk14_j2	0.925523	0.936367	0	1	1
Mapk13	0.868644	0.938056	0.110909	0.641783	0.861896
Kctd20	20.329	14.737	0	1	1
Sfrs3_j6	2.46534	1.96604	-0.326494	0.191925	0.534088

Sfrs3_j7	0.000618433	0.463609	9.55008	0.551114	0.815748
Cdkn1a	15.3328	31.9234	0	1	1
BC004004	29.9284	31.578	0	1	1
BC004004_j4	6.25602	5.19771	0	1	1
Pi16	0.412334	0.492101	0.255141	0.496695	0.783486
Pi16_j3	0.132032	0 -1.79769e+308		0.0054292	1
Fgd2_j5	0.187209	0.29912	0.676072	0.168612	0.505261
Pim1	5.30106	6.07357	0.196265	0.15576	0.489016
Tbc1d22b	7.13759	6.59433	-0.114209	0.33935	0.679562
Rnf8	8.12166	8.78509	0.113283	0.355191	0.691124
Ftsjd2	11.8537	12.454	0.0712752	0.448349	0.75486
Zfand3	0.835913	0.550521	-0.602555	0.262237	0.611336
Zfand3_j3	0.180762	0 -1.79769e+308		0.0544504	0.272193
Abcg1	5.97465	4.34353	0	1	1
Abcg1_j1	6.1587	5.58983	0	1	1
Slc37a1_j2	0.36345	0.186884	0	1	1
Slc37a1	1.26383	1.93745	0	1	1
Pde9a	0.33274	0.303852	-0.131031	0.774346	0.92355
Pde9a_j2	0	0.0980955 1.79769e+308		0.048466	1
Ndufv3	89.1823	94.5117	0.083735	0.417486	0.734597
Pknox1	1.74506	0.910413	0	1	1
Rrp1b	0.838478	0.961684	0.197789	0.396974	0.72142
Rrp1b_j5	0.304878	0.217072	-0.490059	0.299651	0.646333
Cyp4f39	2.55883	1.99648	-0.35802	0.0073002	0.0680375
Cyp4f39_j1	0.0546656	0.0283772	-0.945902	0.370748	1
Cyp4f16_j3	0.531595	0.686396	0	1	1
XLOC_013948	0.0902135	0 -1.79769e+308		0.0401135	1
XLOC_013948	0.0690005	0.163986	1.24889	0.391258	0.717886
XLOC_013948	0.212877	0.216843	0.0266283	0.9566	0.987617
C920016K16Rik_j1	1.25262	0.930081	0	1	1
Zfp472	1.1068	1.12452	0	1	1
Zfp952	1.44233	1.35329	0	1	1
Zfp563_j1	0.981759	0.74774	-0.392832	0.0240527	0.159943
Zfp955b_j1	0.742004	0.571286	-0.377214	0.168947	0.505751
Zfp955b	2.42281	1.83621	-0.399955	0.0059243	0.0579222
Adamts10_j1	0.142602	0.136404	-0.0641115	0.921407	0.975363
Adamts10_j2	0.285018	7.14E-05	-11.9628	0.850093	0.952362
Adamts10_j13	0.69026	0.911495	0.401096	0.13184	0.451809
Myo1f_j4	0.0500743	0 -1.79769e+308		0.0079386	1
Myo1f_j6	0.336086	0.639309	0.927682	0.083976	0.353567
Pram1_j4	7.14339	6.52753	0	1	1
Pram1_j5	0.0768835	0.00684215	-3.49015	0.079844	1
Kank3_j6	2.2507	2.27296	0.0142002	0.959269	0.988354
Ndufa7	3.09312	3.72812	0.269386	0.164174	0.500094
Ndufa7_j4	0.886734	0 -1.79769e+308		0.0016101	0.0209504
Cd320	8.49608	8.07744	-0.0728993	0.609902	0.846292
Daxx	0.835527	0.871102	0.0601558	0.81211	0.938348

Tapbp_j1	1.19711	0.883276	-0.43862	0.144167	0.471148
Tapbp_j3	15.6848	14.8902	-0.0749983	0.421723	0.737886
Rgl2_j9	0.44617	0 -1.79769e+308		1.64E-08	1.10E-06
Rgl2	1.47919	2.24029	0.598876	0.0082182	0.0741192
Rgl2_j13	0.140696	0.146769	0.0609601	0.941997	0.982346
Wdr46	2.85782	3.68305	0.365985	0.0179371	0.130623
Vps52	1.26994	1.59942	0	1	1
Vps52_j2	12.3518	11.2439	0	1	1
Col11a2_j3	0.290935	0.626056	1.10559	5.87E-05	0.0013639
H2-Oa	0.124341	0.152254	0.292178	0.692575	1
H2-DMb2_j1	0.0480339	0 -1.79769e+308		0.119182	1
H2-DMb1	1.51684	2.68413	0.823386	0.0004173	0.0070041
Tap1	1.32498	1.11844	-0.244487	0.191742	0.533938
Psemb8_j2	10.2665	10.8489	0.0796032	0.585046	0.833873
Tap2	10.1336	10.2008	0.00954041	0.934113	0.979958
Tap2_j1	1.0122	0.56335	-0.845393	0.0510566	0.261892
H2-Ab1	19.0599	34.6451	0.862113	3.55E-15	7.12E-13
H2-Eb1	22.3109	39.2883	0.816354	2.53E-14	4.60E-12
BC051142_j3	0.220348	0.10199	-1.11136	0.442564	0.750634
BC051142_j4	0.30039	0.0560287	-2.4226	0.122747	0.436124
IAP_j5	0.800316	0.863067	0.108903	0.746404	0.911671
Ager_j3	0.521587	0.681047	0	1	1
Pbx2_j1	8.22722	8.1823	0	1	1
Agpat1	39.9804	39.9589	-0.000775075	0.993929	0.99828
Prnt1	1.15744	1.16792	0.0129968	0.94947	0.985359
Prnt1_j1	0.535494	0.123779	-2.1131	0.0175412	0.128567
Prnt1_j4	0.670844	0.504461	-0.411234	0.342073	0.681849
Fkbp1_j1	0.871014	1.15165	0.402934	0.199005	0.542173
Fkbp1	3.30763	2.93648	-0.171713	0.35569	0.691547
Atf6b	18.3294	21.2905	0.216053	0.0303676	0.187243
Tnxb_j4	0.0888667	0 -1.79769e+308		1.11E-07	1
Tnxb_j3	0.0754153	0.02694	-1.48511	0.0466835	1
Rdbp	0	0.0696927	0	1	1
Rdbp	0.246927	0.527234	0	1	1
Ehmt2	12.7265	12.6274	0	1	1
Ehmt2_j4	1.25926	1.07669	0	1	1
Neu1	7.37503	7.43755	0.0121789	0.915731	0.973698
Lsm2	1.07277	0.981506	-0.128278	0.504346	0.787625
Vars	9.72305	9.09576	0	1	1
D17H6S56E-3_j2	1.51782	0.667732	0	1	1
D17H6S56E-3	4.29788	3.33927	0	1	1
D17H6S56E-3_j1	0.868662	0.397121	0	1	1
Ddah2_j1	22.8713	35.7953	0	1	1
Ddah2_j2	4.98006	0.337611	0	1	1
Abhd16a	47.5408	47.22	-0.00976889	0.914646	0.973351
D17H6S53E	0.580622	0.656644	0	1	1
D17H6S53E_j1	0.363045	0.182551	0	1	1

Bat3_j2	1.00903	0.0101214	0	1	1
Bat3_j6	2.01513	2.56191	0	1	1
Bat3_j14	0.892425	0.589025	0	1	1
Atp6v1g2_j2	0.422167	0 -1.79769e+308	7.97E-07	3.42E-05	
Bat1a	4.23126	4.6654	0	1	1
H2-D1	3.19545	4.45462	0.479282	0.0186391	0.134338
Cchcr1	0.376474	1.04347	1.47077	6.39E-06	0.0002099
Ier3	12.9085	12.3742	-0.0609887	0.655537	0.868388
Flot1	29.754	37.2362	0	1	1
Mdc1_j4	0.063996	0.0434533	0	1	1
2310014H01Rik	0.491319	0.605977	0	1	1
2310014H01Rik	9.19651	11.9884	0	1	1
Dhx16_j2	0.983955	0.885352	0	1	1
Dhx16_j3	2.0049	1.85395	0	1	1
Ppp1r10_j2	0.204454	0.188092	0	1	1
Gnl1	2.26169	2.04428	0	1	1
H2-M11_j1	0.94853	1.01506	0.0977985	0.779407	0.925607
H2-M11_j2	0.314942	0.211989	-0.571098	0.508976	0.790628
Trim26	9.63838	10.6465	0.143514	0.185509	0.525826
Trim26_j3	0.212847	0.22993	0.111379	0.776556	0.924496
Trim26_j1	0.328325	0.448466	0.449874	0.133235	0.454201
Znrd1as	0.742645	0.786326	0.0824548	0.789917	0.929965
Zfp57	0.69576	0.881205	0.340887	0.29545	0.642035
Zfp57	0.220871	0.249755	0.177309	0.709966	0.894313
Zfp57_j1	0.303726	0.363935	0.260911	0.493318	0.781804
Gabbr1	7.35779	6.63495	0	1	1
Gabbr1_j2	0.20233	0.0248622	0	1	1
H2-M3	4.19764	3.90381	-0.104695	0.557945	0.819817
Mut	5.01206	4.65193	0	1	1
Mut_j1	5.88146	5.09618	0	1	1
3110082D06Rik_j3	0.256637	0.192631	-0.413886	0.231562	0.578702
Tnfrsf21	13.4786	15.4205	0.194176	0.0511095	0.261939
Gpr116_j1	0.231122	0.189317	0	1	1
Gpr116_j6	0.514042	0.424319	0	1	1
Gpr116_j4	2.28831	1.93225	0	1	1
Pla2g7_j1	23.4722	14.4317	0	1	1
Pla2g7_j3	12.9612	12.7798	0	1	1
Pla2g7_j4	21.7537	15.3139	0	1	1
Cyp39a1	1.07574	0.908231	-0.244204	0.155974	0.489436
Rcan2	38.3376	29.0764	0	1	1
Rcan2	6.48347	3.53912	0	1	1
Rcan2_j2	44.621	36.6016	0	1	1
Enpp5	1.1677	1.1146	-0.067136	0.852966	0.953424
Enpp5	22.2874	25.3648	0.186599	0.0649495	0.303328
Clic5	0.40923	0.202457	-1.0153	0.0073901	0.0685539
Supt3h	14.6993	16.5627	0.172187	0.143408	0.470568
AK046225	2.11887	2.11101	-0.00536257	0.976353	0.993154

Aars2	5.05728	5.17406	0.0329356	0.804659	0.935336
Nfkbie	3.21524	2.49518	-0.365782	0.0371351	0.213416
Mrps18a	9.42256	9.16561	-0.0398875	0.723617	0.901555
Gtpbp2_j1	0.106951	0.0235575	0	1	1
Gtpbp2_j2	0.642525	0.790229	0	1	1
Xpo5	5.23565	5.24603	0.00285758	0.977367	0.993411
Yipf3_j1	12.2901	12.9082	0.0707927	0.460701	0.762129
Gm88	2.14116	2.45305	0.196185	0.312628	0.657178
XLOC_014063	0.118456	0.122183	0.0446937	0.96068	1
Zfp318	1.13425	0.741781	0	1	1
Zfp318	4.98723	3.79403	0	1	1
Crip3_j3	0.0917651	0.0352109	-1.38192	0.22485	1
BC048355	0.403139	0.584677	0	1	1
XLOC_014068	0.131815	0.124363	0	1	1
Mrpl2	24.9501	25.0892	0	1	1
Cul7	10.579	10.1193	-0.0640926	0.502545	0.786526
Mea1	2.74122	2.87203	0.0672518	0.589215	0.836005
Pex6	7.71764	7.4785	0	1	1
2310039H08Rik	0.848627	0.47771	-0.828994	0.161591	0.496542
Trerf1_j5	0.288893	0 -1.79769e+308		2.07E-13	3.29E-11
Trerf1_j7	0.310099	0.461971	0.575074	0.0526322	0.266469
Trerf1_j11	0.406349	0.275666	-0.559799	0.153711	0.486439
Mrps10_j1	0.989956	1.31028	0	1	1
Mrps10_j6	5.61274	5.32754	0	1	1
Al661453_j1	0.0742629	0 -1.79769e+308		0.0141551	1
Ccnd3	4.71881	5.04708	0.0970274	0.440808	0.749739
Usp49_j3	0.271501	0.151747	0	1	1
Usp49_j5	5.95096	8.32345	0	1	1
Tcfef	3.54733	3.5134	-0.013864	0.929389	0.978343
Trem2	0.848742	2.35075	1.46973	3.34E-07	1.56E-05
Trem2	0.167454	0.544392	1.70088	0.0267325	0.172103
Al314976	0.116506	0.111134	-0.0681013	0.906899	1
Al314976_j2	0.139796	0.106729	-0.389377	0.502358	0.78636
Al314976	0.353581	0.338132	-0.0644542	0.84706	0.951617
Lrfn2	1.04073	1.01319	0	1	1
Lrfn2_j3	0.629391	1.40887	0	1	1
Plcl2	3.9561	4.88332	0.303784	0.0136528	0.107582
Gm7334	5.44963	6.0826	0.158531	0.327169	0.670083
Kcnh8	0.5634	0.527081	-0.0961352	0.75695	0.916197
Rab5a	24.0117	19.1845	0	1	1
Rab5a_j2	27.6184	30.4677	0	1	1
Kat2b_j1	0.459663	0.575794	0.324976	0.470199	0.768035
Kat2b	3.09944	2.93223	-0.0800126	0.604845	0.844102
Kat2b_j4	0.979673	0.861154	-0.186029	0.45766	0.76054
XLOC_014098	16.1916	15.2388	-0.0874988	0.526261	0.80098
St6gal2_j1	0.425821	0.289187	0	1	1
St6gal2_j5	0.0002247	0.256397	0	1	1

Zfp959	0	0.0564147	1.79769e+308	0.0925429	1
Zfp959_j10	0.307464	0.311621	0.0193749	0.974626	0.992758
Ccdc94_j1	0.103749	0.0229649	-2.1756	0.17388	1
Shd	0.283682	0.017957	-3.98165	0.0271071	0.173894
Shd	0.000679717	0.228365	8.39219	0.49321	0.781695
Fsd1	31.1529	30.8214	-0.0154338	0.87206	0.959572
Mpnd	0.0693999	0.0708223	0.0292703	0.960131	1
Chaf1a	1.29255	1.09327	-0.241564	0.155374	0.488431
Hdgfrp2	5.4249	7.07648	0	1	1
Kdm4b_j6	0.405108	0.676745	0.740306	0.0012107	0.0166609
Kdm4b_j10	0.928322	1.26988	0.45199	0.158374	0.492583
Safb	6.84986	5.00717	0	1	1
Ranbp3	8.76846	9.31753	0	1	1
Ranbp3_j2	5.40335	3.84985	0	1	1
Ndufa11	20.8118	21.1084	0.0204175	0.869268	0.958425
Dus3l_j6	3.45326	3.51744	0	1	1
XLOC_014123	0.113247	0.0237898	-2.25105	0.239095	1
Clpp	14.7874	16.5258	0.160351	0.168552	0.505188
Alkbh7_j1	3.14684	2.70705	-0.21718	0.242904	0.590348
Tnfsf9	0.166813	0.282376	0.759386	0.236456	0.583613
Trip10_j3	0.118989	0.0678336	0	1	1
Trip10	0.0471482	0.228117	0	1	1
Vav1	0.293021	0.605204	1.04642	0.0009608	0.0138563
Vav1_j2	0.0506339	0.225108	2.15244	0.0328383	0.197382
Emr1_j2	0.108654	0.0181043	-2.58533	0.113482	1
Emr1	1.21406	2.8798	1.24613	3.25E-13	5.07E-11
Cntnap5c_j3	0.277393	0.107738	-1.3644	0.0039405	0.0424438
Ppp4r1_j1	0.196614	0.159759	0	1	1
Ppp4r1_j6	0.3035	0.556459	0	1	1
XLOC_014135	0.0910037	0.0720313	-0.337301	0.801687	1
ORF19	6.69581	5.98216	0	1	1
Ddx11_j2	0.0572003	0 -1.79769e+308	0.0043467	0.0043467	1
Ddx11	0.0683334	0.256087	1.90597	0.0012248	0.0168166
Ddx11_j1	0.104938	0.0635733	-0.723041	0.366599	1
Lama1_j2	0.087304	0 -1.79769e+308	0.0068774	0.0068774	1
L3mbtl4_j1	0.321591	0.103588	-1.63436	0.0033968	0.0380339
L3mbtl4_j3	0.0969536	0.0745718	-0.378664	0.545565	1
L3mbtl4_j2	0.118448	0.0231806	-2.35326	0.0360898	1
Tmem200c	0.553022	0.521396	-0.0849591	0.720221	0.899588
Epb4.1l3_j3	32.0017	4.79437	0	1	1
Epb4.1l3_j5	5.17606	7.74096	0	1	1
Epb4.1l3_j6	0.35707	0	0	1	1
Zfp161	1.34828	1.04273	0	1	1
A330050F15Rik	0.72341	0.656594	-0.139811	0.615191	0.848168
Dlgap1	2.64892	1.8656	0	1	1
Dlgap1_j4	0.414663	0.000410474	0	1	1
Dlgap1_j5	1.85024	2.50699	0	1	1

Myom1_j1	0.183947	0.075841	-1.27824	0.034721	0.204635
Myom1_j3	0.084223	0	-1.79769e+308	0.0061962	1
Myom1_j5	0.186745	0.269574	0.52961	0.240916	0.588146
Lpin2_j1	3.46874	3.44359	0	1	1
Lpin2	0.720733	0.372639	0	1	1
Wdr43	5.69063	5.87586	0.0462131	0.701778	0.890441
Fam179a_j1	0.636442	0.388511	-0.712073	0.0431246	0.235574
Fam179a_j10	0	0.110699	1.79769e+308	0.046095	1
Fam179a_j11	0.369912	0.308384	-0.262456	0.698049	0.888723
Clip4_j2	0.811859	1.06948	0	1	1
Clip4_j5	4.11675	2.41645	0	1	1
Ypel5	48.6525	47.6146	0	1	1
Lbh_j1	4.46746	3.55327	0	1	1
Lbh	19.2312	27.1678	0	1	1
Lclat1	3.22528	2.33617	0	1	1
Lclat1	0.3868	0.319547	0	1	1
Ehd3	34.7284	32.5876	0	1	1
Ehd3_j3	0.0517098	0	0	1	1
Spast_j1	0.160871	0.142171	-0.178276	0.745785	0.911427
Spast	1.39644	1.34981	-0.0489993	0.816419	0.940246
Slc30a6	2.98526	3.19641	0.0986	0.502868	0.786856
Slc30a6_j1	0.886186	0.83452	-0.0866636	0.881342	0.962331
Yipf4	20.2061	19.0182	0	1	1
Birc6_j1	0.397983	0.262929	-0.598034	0.0208357	0.145064
Ttc27_j1	3.65519	3.41149	0	1	1
Ttc27	2.88556	2.70718	0	1	1
Ltbp1_j6	0.0578938	0.0387484	0	1	1
Ltbp1_j7	0.218097	0.376347	0	1	1
Rasgrp3	0.351656	0.267301	-0.395702	0.292148	0.638961
Crim1	1.45033	1.03532	-0.486309	0.0197587	0.139688
Crim1_j1	0.790412	0.241682	-1.70949	1.07E-05	0.000328
Crim1_j4	0.615186	0.00222691	-8.10984	0.0342619	0.202837
Crim1_j6	0.256193	0.433076	0.757386	0.0544198	0.272093
Gm10093	7.21696	7.56774	0.0684715	0.615794	0.848521
Vit	0.753594	1.0506	0.479359	0.0774293	0.33682
Vit_j2	0.811243	0.710259	-0.191789	0.569629	0.825926
Ccdc75	8.16232	7.72962	-0.0785814	0.466144	0.765927
1110001A16Rik	2.04052	1.94695	-0.0677172	0.637723	0.859772
2410091C18Rik	15.3289	14.3404	-0.0961653	0.422136	0.738238
Qpct	0.187385	0.288347	0.621801	0.454388	0.758621
Qpct	1.91529	2.58058	0.430131	0.0355849	0.207851
Fam82a1_j1	1.45782	0.202163	-2.85023	5.52E-11	5.90E-09
Fam82a1	0	0.604837	1.79769e+308	4.39E-06	0.0001508
Galm	6.5298	3.10657	-1.07172	6.13E-10	5.32E-08
Gemin6	2.08161	1.82602	-0.189	0.475365	0.771313
Arhgef33_j2	0.0906348	0	-1.79769e+308	0.0702249	1
Tmem178	1.34086	0.752802	-0.832816	0.0081066	0.0733293

Pkdcc	3.78587	4.86275	0.361147	0.0220316	0.150677
Eml4_j7	0.103366	0.0658375	0	1	1
XLOC_014190	0.13194	0.0882855	0	1	1
Mta3_j7	3.2729	2.59284	0	1	1
Mta3_j9	6.68911	4.64358	0	1	1
Mta3_j6	6.56243	5.87071	0	1	1
Plekhh2_j2	0.0940577	0.14052	0.579161	0.403186	1
Plekhh2_j6	0.0563264	0 -1.79769e+308		0.0147723	1
Dync2li1	9.65616	9.53301	-0.0185181	0.889338	0.964878
Ppm1b_j1	0.639361	0.104782	-2.60924	0.0008477	0.0125326
Prkce_j4	0.0888055	0	0	1	1
Epas1	22.4843	17.8336	-0.334322	0.0002005	0.0038485
Rhoq	5.92233	14.0312	1.2444	0	0
Rhoq_j6	10.5451	13.4416	0.350128	0.0034895	0.0388507
Socs5	2.53748	1.81067	-0.486874	0.0065256	0.0623986
Ttc7_j1	0.362289	0.202919	-0.836241	0.0863502	0.359
XLOC_014206	0.0533237	0 -1.79769e+308		0.0555658	1
Msh2	13.0158	11.4501	-0.184913	0.0821574	0.349173
Msh6	4.46973	4.53547	0	1	1
Foxn2	0.633397	0.220277	-1.52379	0.0002384	0.004434
Foxn2_j3	0.136646	0.144853	0.0841396	0.884588	1
Klraq1	13.198	12.5515	-0.0724574	0.494393	0.782504
Ston1_j1	1.50041	1.04698	0	1	1
Ston1	0.766226	0.859263	0	1	1
Ston1_j4	0.0707711	0	0	1	1
Adcyap1	6.06055	10.7592	0	1	1
Gm10232	31.4782	36.0343	0.195017	0.0795117	0.342454
Pisd-ps2_j12	0.920066	1.29514	0.493302	0.123401	0.437384
Pisd-ps2_j10	1.26881	3.63635	1.51901	4.23E-11	4.64E-09
AK138253_j1	3.6153	4.0533	0	1	1
Tfb1m	1.44967	1.39325	0	1	1
5730437N04Rik	31.0163	30.7507	-0.0124096	0.915072	0.973508
Serac1_j1	0.0981195	0.160386	0	1	1
Serac1_j2	0.193178	0.106792	0	1	1
Tmem181b_j1	2.52489	2.74115	0	1	1
Tmem181b_j2	0.0697148	0	0	1	1
BC049966_j5	0.0636537	0	0	1	1
BC049966_j4	0.134284	0	0	1	1
Tmem181c-ps_j3	0.792948	0.595441	-0.413269	0.417203	0.734301
AK178082_j1	2.04055	2.29477	0.169386	0.660097	0.871049
Dynlt1e_j1	0.568229	0.469447	-0.275512	0.630675	0.856399
Ezr	2.85125	3.21116	0	1	1
Rsph3b	5.44499	7.88058	0.533373	0.0002824	0.0050832
Tagap1_j1	6.17485	5.75496	0	1	1
Tagap1	5.39919	7.10863	0	1	1
Fndc1_j1	0.116496	0 -1.79769e+308		0.0005891	1
Gm1604b_j1	0.837487	0.53914	-0.635407	0.0110561	0.0923154

Rnaset2a_j1	0.5345	0.530082	-0.0119758	0.972304	0.991962
AK015714_j1	0.254211	0.244359	-0.0570227	0.859121	0.955489
Qk	0	0.0890729	0	1	1
Qk_j4	0.5285	0	0	1	1
Qk	3.2657	2.76681	0	1	1
Pacrg	1.32891	0.855374	-0.635618	0.0928913	0.374897
Map3k4	2.98659	2.72841	0	1	1
Slc22a3_j3	0.140106	0.144066	0.0402152	1	1
Igf2r_j3	5.4542	7.13394	0	1	1
Igf2r_j4	2.20904	2.2345	0	1	1
Igf2r	0.178275	0.249985	0	1	1
Pnlcd1_j5	0.213257	0.121201	-0.815197	0.392773	0.718933
Acat2_j1	65.1713	75.4317	0.210936	0.0171077	0.126328
Wtap_j4	0.831353	0.954581	0	1	1
Wtap_j8	0.352173	0.168326	0	1	1
Tcte2_j3	0	0.231857	1.79769e+308	0.0072383	0.0675736
Gm16052_j2	0.0572323	0	-1.79769e+308	0.0087897	1
Gm16052_j1	0.118629	0	-1.79769e+308	0.0002205	1
Gm16052	0.779567	0.661469	-0.237	0.354496	0.690637
Dact2	0.887884	0.522881	-0.763888	0.0235072	0.157319
Dact2_j1	0.67095	0.35095	-0.934939	0.0287051	0.180324
Thbs2	0.599291	0.308659	-0.957243	0.0025145	0.0299872
Wdr27_j7	0.23303	0.127864	-0.865907	0.584797	0.833647
Wdr27_j8	0.0752877	0	-1.79769e+308	0.0937938	1
AK004434_j2	0.500422	0.735523	0	1	1
Phf10_j4	1.16769	0.96034	0	1	1
Phf10_j5	0.549859	0.00366504	0	1	1
Psemb1	153.977	158.18	0.038857	0.663311	0.872496
Prdm9_j2	0.151064	0.127537	-0.244247	0.768445	0.921133
Prdm9_j3	0.225601	0	-1.79769e+308	5.08E-07	2.28E-05
Prdm9_j8	0.117253	0.0436592	-1.42527	0.204521	1
XLOC_014270	0.181213	0.212041	0.226661	0.591931	0.837449
Rgmb_j3	22.473	36.0058	0	1	1
Rgmb	17.5339	17.8847	0	1	1
XLOC_014286	4.98847	4.14929	-0.265731	0.0543627	0.271922
Zfp945	0.655062	0.640877	0	1	1
Zfp40_j1	1.62234	1.52468	0	1	1
Zfp40	2.31374	2.29339	0	1	1
Zfp213	1.11744	1.24068	0.150929	0.488156	0.778688
Zfp13	0.320151	0.24343	-0.395246	0.248432	0.595763
Zfp13_j4	2.38369	1.6322	-0.546377	0.130041	0.449086
Mmp25_j2	9.43838	11.5897	0	1	1
Mmp25_j1	7.94088	8.63151	0	1	1
Mmp25	4.22965	5.15205	0	1	1
Thoc6_j5	0.0238628	0.112632	2.23878	0.0399472	1
AK047830_j1	0.072003	0.0130927	-2.45929	0.504971	1
Paqr4	1.52238	1.66899	0	1	1

Paqr4_j1	25.925	25.6364	0	1	1
Flywch1_j3	12.6866	10.8054	0	1	1
Flywch1_j1	12.5498	10.1721	0	1	1
Flywch2	10.8113	11.0719	0	1	1
Tceb2	18.2405	14.969	0	1	1
Pdpk1_j2	0.0648761	0.0188027	0	1	1
Atp6v0c	2.22267	3.56528	0.681721	0.0389328	0.220034
Tbc1d24_j4	0.204564	0.0752666	-1.44247	0.0063274	0.061076
Tbc1d24_j15	0.304967	0.351577	0.205186	0.437978	0.747865
1600002H07Rik	0.649603	0.621174	-0.0645595	0.839473	0.949022
Ccnf	0.413065	0.398785	-0.0507557	0.878746	0.961284
Abca17_j1	0.123106	0.0448731	-1.45598	0.248482	1
E4f1_j7	0.183749	0.229727	0.322182	0.386798	0.714789
Mlst8	4.20524	4.70446	0	1	1
Mlst8	7.40541	6.18568	0	1	1
Traf7_j2	1.07749	1.53032	0	1	1
Traf7_j3	0.528461	0.784455	0	1	1
Tsc2_j2	1.80203	1.00441	0	1	1
Slc9a3r2_j1	0.208788	0	0	1	1
Slc9a3r2	23.3633	19.1209	0	1	1
Slc9a3r2_j2	6.04658	1.84672	0	1	1
Syngn3	85.4047	92.8033	0.119861	0.166926	0.503257
Gfer	5.85634	5.83255	0	1	1
Tbl3_j2	1.43163	1.41789	0	1	1
Ndufb10	37.732	37.6187	-0.00433685	0.961396	0.989061
Mapk8ip3_j4	43.8938	52.3158	0	1	1
Mapk8ip3_j5	0.132364	0.0533314	0	1	1
Hn1l	3.41887	3.35248	-0.0282916	0.84883	0.952178
Tmem204	1.49542	1.623	0	1	1
Telo2_j1	0.16542	0.0403276	0	1	1
Gnptg_j3	3.96384	6.0283	0	1	1
Gnptg_j2	10.8073	11.8551	0	1	1
Ube2i_j5	0.160604	0.135407	-0.246204	0.642308	0.862006
Cacna1h_j6	3.21198	3.02235	0	1	1
Cacna1h_j7	1.37439	1.1777	0	1	1
Sox8_j2	0.0608873	0	-1.79769e+308	0.0170817	1
Sox8	0.830588	1.04468	0.33085	0.207959	0.552233
Chtf18	0.22109	0.140786	-0.651129	0.284442	0.633101
Haghl	0.118312	0.0695245	-0.767004	0.337965	1
Fam173a_j3	14.1277	13.8664	-0.0269336	0.894973	0.966853
Fam173a_j4	0	0.338565	1.79769e+308	1.25E-05	0.0003755
Stub1_j1	68.8082	77.0819	0.163813	0.13745	0.461154
Stub1_j2	41.3236	46.9906	0.185407	0.0623111	0.295567
Rhot2_j1	1.84086	2.35599	0.355951	0.0259364	0.168717
Rhot2_j5	1.01032	0	-1.79769e+308	1.75E-25	5.53E-23
Rhot2_j6	6.21	6.67175	0.103473	0.374971	0.707307
Wdr90_j2	0.052196	0.0667791	0.355458	0.729127	1

Wdr90_j4	0.0173881	0.0477187	1.45645	0.161914	1
Fam195a_j1	0.180656	0.369022	1.03047	0.230511	0.577519
Fam195a	2.09686	1.63948	-0.354987	0.273738	0.62288
Wfikkn1	0.167006	0.0136437	0	1	1
Rab40c	1.25649	1.42377	0	1	1
Pigq_j1	4.27771	3.06971	0	1	1
Pigq	19.3256	18.5132	0	1	1
Rab11fip3_j1	0.33251	0.327432	0	1	1
Rab11fip3	10.013	9.23497	0	1	1
Decr2	0.417898	0.397656	-0.0716283	0.865247	0.957045
Decr2_j1	7.55121	8.08348	0.0982695	0.504138	0.787468
Itfg3_j7	0.263354	0.00108266	0	1	1
Itfg3_j6	1.38567	2.11437	0	1	1
Itfg3	3.21687	3.24204	0	1	1
Itfg3_j8	0.318343	0.2365	0	1	1
Dusp1	4.24423	5.54062	0.384544	0.0129038	0.103541
Cuta	7.72479	10.2611	0	1	1
Cuta	4.86861	3.68603	0	1	1
Bak1_j1	3.4767	3.71525	0.0957414	0.653113	0.867323
Bak1	0	0.073905	1.79769e+308	0.0299799	1
Bak1	0.148277	0.0264921	-2.48466	0.0408268	0.226899
Lemd2	3.88713	3.99368	0	1	1
AK038843	0.15238	0.0815629	-0.901687	0.311695	0.656264
Grm4	5.55655	3.65507	0	1	1
Al413582	32.0392	29.9684	-0.0963951	0.302391	0.648414
Nudt3_j3	2.00924	0	0	1	1
Nudt3_j2	67.0815	57.0281	0	1	1
Nudt3_j4	20.0224	33.9679	0	1	1
Nudt3_j5	15.1521	11.6579	0	1	1
Nudt3	1.23402	2.16866	0	1	1
Spdef_j1	0.107145	0.165379	0	1	1
D17Wsu92e	5.22433	3.58433	0	1	1
D17Wsu92e	25.4225	26.4596	0	1	1
Taf11_j2	2.15757	2.68174	0	1	1
4930526A20Rik	1.30632	1.147	-0.187647	0.611108	0.846733
Fkbp5_j4	0.666807	1.18493	0.829465	0.0100196	0.0856751
Fkbp5_j3	0.146205	0	-1.79769e+308	0.0001881	0.0036463
Fkbp5	9.48271	9.41454	-0.010409	0.925787	0.976962
Srpk1	11.5845	13.7562	0.247887	0.0100014	0.0855854
Srpk1_j1	3.3668	4.0548	0.268251	0.201185	0.544548
XLOC_014361	0.0926655	0	-1.79769e+308	0.0661631	1
Slc26a8_j13	0.0706893	0.0399177	-0.824463	0.591517	1
Slc26a8_j18	0.125389	0.00411271	-4.93018	0.214106	1
Stk38_j7	2.22735	2.83721	0	1	1
Stk38_j3	1.67431	1.29202	0	1	1
Stk38	1.50193	1.33427	0	1	1
LOC100499420	0.131007	0.138571	0.0809824	0.901392	1

Cpne5	0.436532	0.198128	0	1	1
Ppil1	11.0374	12.2235	0.14726	0.250235	0.59787
Mtch1_j6	40.4358	61.1094	0	1	1
Mtch1	32.8032	11.1868	0	1	1
1110021J02Rik_j1	1.14491	1.09815	-0.0601576	0.713051	0.896204
Mdga1_j4	0.380692	0.0113921	0	1	1
Mdga1_j6	0.419748	0.462902	0	1	1
Mdga1_j2	1.55362	2.27337	0	1	1
Btbd9_j2	0.288766	0	0	1	1
Btbd9	0.679927	0.529705	0	1	1
Glo1_j5	0.0986679	0 -1.79769e+308		0.13588	1
Cbs_j2	0.125399	0.0745764	-0.74974	0.396185	1
U2af1_j1	0.128863	0.232327	0.850318	0.182636	0.523127
U2af1_j3	0.0514476	0.0274855	-0.904435	0.614498	1
Sik1	1.64172	1.7044	0.0540619	0.747154	0.911904
Hsf2bp_j1	0.0489722	0 -1.79769e+308		0.0934572	1
Notch3_j11	0.0701246	0 -1.79769e+308		0.0012285	1
Notch3	0.663836	0.437961	-0.600025	0.0195293	0.138663
Brd4_j7	1.39735	2.34319	0.745785	3.17E-05	0.0008106
Akap8l_j10	1.31785	1.12982	-0.222097	0.289118	0.636737
Wiz_j2	2.02501	1.60776	-0.332873	0.102215	0.396217
Rasal3_j4	0.0188629	0.0770639	2.0305	0.20135	1
Rasal3_j3	0.0568325	0 -1.79769e+308		0.0204526	1
Rasal3_j9	0.0911056	0 -1.79769e+308		0.0270412	1
Zfp871_j2	7.13625	6.16152	0	1	1
Zfp811_j1	0.353511	0.346745	-0.0278792	0.954411	0.986881
Zfp811_j2	0.142484	0.209634	0.557077	0.386834	0.714802
Zfp799	1.51435	1.3468	-0.169158	0.220207	0.56698
XLOC_014389	0.133681	0.0793089	-0.753241	0.369317	1
Zfp870_j3	0.522489	0.183064	-1.51305	0.0003431	0.005955
Zfp870	0.314527	0.529461	0.751339	0.0108262	0.090747
Cyp4f14_j1	1.46411	1.15596	-0.340926	0.0516642	0.263562
Cyp4f13_j4	0.583718	0.506988	-0.203321	0.651645	0.866342
Zfp763	3.42931	2.82163	-0.281389	0.0521832	0.265182
Morc2b_j1	0.198168	0.109862	-0.851033	0.300973	0.647323
Zfp955a	2.16778	1.80242	-0.26628	0.134252	0.456007
Zfp81_j1	0.656378	0.730769	0	1	1
Zfp81_j2	0.172578	0.0647399	0	1	1
Zfp81	0.762636	0.425577	0	1	1
Zfp101_j3	0.384218	0 -1.79769e+308		1.44E-07	7.41E-06
Zfp101	0.825792	0.611351	-0.433777	0.217102	0.563245
Hnrnpj5	10.4162	11.4934	0	1	1
Hnrnpj6	16.9951	18.3119	0	1	1
March2	43.8254	50.8728	0	1	1
Angptl4	5.74166	6.43192	0.16378	0.262734	0.611657
Kifc1	0.221145	0.102853	-1.10441	0.124594	0.439858
AK136742_j2	0.389212	0.622357	0.677187	0.194385	0.536757

AK136742	0.528156	0.445235	-0.246397	0.60987	0.846292
H2-Ke2	17.0097	17.8884	0.0726698	0.520531	0.79793
B3galt4	2.16651	2.04129	-0.0858866	0.670751	0.875476
H2-K1	2.43023	0.557173	-2.12489	3.91E-07	1.79E-05
Ring1	1.55859	2.43349	0	1	1
Ring1_j1	2.7897	2.51134	0	1	1
Brd2_j2	29.9032	31.9459	0	1	1
Brd2	1.69455	3.74672	0	1	1
H2-Aa	22.7859	39.0975	0.778939	8.10E-14	1.36E-11
Btnl5_j3	0.0664291	0.131197	0.981848	0.41206	1
Rnf5	32.3894	32.7039	0.0139401	0.894972	0.966853
Rnf5_j1	0.358117	0.247756	-0.531513	0.464593	0.764862
Egfl8_j2	0.13403	0.106522	-0.3314	0.460675	1
Ppt2_j1	13.4529	14.5921	0.117267	0.327993	0.670534
Ppt2_j3	0.439661	0.560012	0.349066	0.184898	0.525175
C4b_j4	0.335142	0.160525	0	1	1
C4b_j5	0.0637014	0	0	1	1
Skiv2l_j1	3.08751	4.54991	0	1	1
Skiv2l_j2	0.478465	0.233157	0	1	1
Skiv2l	2.94068	3.68949	0	1	1
C2_j1	0.332145	0 -1.79769e+308	0.0001347	0.0027471	
C2	0.779745	1.07709	0.466064	0.0742195	0.328448
1110038B12Rik	6.14022	10.4381	0.765497	1.21E-05	0.0003638
Ly6g6d_j2	0.15074	0.391904	1.37844	0.0867971	0.360114
Csnk2b	53.5609	54.1273	0.0151741	0.882467	0.962629
Prrc2a_j6	11.8822	14.1785	0	1	1
Prrc2a	23.3145	22.2459	0	1	1
Aif1_j1	0.433595	0.755307	0.800713	0.0104754	0.0884516
Nfkbil1_j2	2.9418	3.23758	0.138215	0.41265	0.731647
Nfkbil1_j1	0.776355	0.370849	-1.06588	0.0052717	0.0527159
Tcf19	3.80219	4.7897	0.333105	0.0567433	0.278678
Tcf19	0.845988	0.868768	0.0383335	0.913476	0.972839
Vars2_j1	4.62564	3.75031	-0.302642	0.011325	0.094013
Ddr1_j3	4.96718	6.38438	0	1	1
Ddr1	5.80837	5.38912	0	1	1
Ddr1_j4	0.231299	0.377015	0	1	1
Tubb5_j2	143.936	298.277	0	1	1
Tubb5	599.168	697.189	0	1	1
Atat1_j1	0.473881	0.501136	0	1	1
Mrps18b_j1	0	0.0704942	0	1	1
Abcf1	21.2108	24.6652	0.217675	0.0196555	0.139199
Prr3_j2	0.220435	0.126627	0	1	1
H2-T23_j1	0.546009	0.800708	0	1	1
H2-T9_j1	0.253285	0.347959	0	1	1
H2-T10_j2	0.445056	0.500046	0	1	1
H2-T10_j3	0.423471	0.378397	0	1	1
H2-T10_j4	0.0159768	0.067166	0	1	1

Trim39_j3	2.15561	2.3136	0	1	1
H2-M10.2_j1	0.258462	0.21711	0	1	1
H2-M1_j4	0.097793	0.0852256	-0.198444	0.851409	1
Trim15_j1	0.0813334	0.000523205	-7.28033	0.274699	1
Trim15	0.280478	0.494426	0.817868	0.0002857	0.0051337
Ppp1r11_j2	16.4338	4.75467	0	1	1
Znrd1	0.18575	0.233835	0.332128	0.599746	0.841292
Crisp1	0.613896	0.233736	-1.39311	0.0141598	0.110364
9130008F23Rik	0.17489	0.112579	-0.635503	0.430028	0.743005
Cenpq	1.40607	1.18847	0	1	1
Cd2ap_j2	5.31307	4.86687	-0.126551	0.339835	0.68005
Cd2ap	1.60021	1.00134	-0.676337	0.0023703	0.0286103
Mep1a_j1	0.170258	0.192881	0.179987	0.774897	0.923746
XLOC_014477	0.221637	0.021518	-3.36458	0.173603	0.51148
Enpp4	1.89948	1.58037	0	1	1
Enpp4	3.7079	3.20788	0	1	1
Cdc5l_j7	0.0899709	0.240655	1.41943	0.0800645	0.343953
Spats1	0	0.240309	1.79769e+308	2.01E-05	0.0005568
Spats1_j5	0.319422	0.355548	0.154578	0.671998	0.876138
Spats1_j6	0.168874	0.0140872	-3.5835	0.0229139	0.154757
Tmem151b_j1	1.89413	1.44945	0	1	1
Hsp90ab1_j1	459.985	561.247	0	1	1
Hsp90ab1	422.187	421.129	0	1	1
Slc29a1_j5	1.84934	4.67268	1.33724	1.57E-06	6.10E-05
Slc29a1_j3	5.83897	5.09106	-0.197749	0.246898	0.594423
Slc29a1	4.85611	1.91387	-1.34331	6.03E-08	3.48E-06
Slc29a1_j6	0.00436838	0.449778	6.68597	0.0471928	0.249339
Gm7325	0.121363	0.263006	1.11576	0.271398	0.620302
Capn11_j2	0.1927	0.0880223	-1.13042	0.302871	0.648644
Capn11_j5	0.513287	0.101744	-2.33482	1.83E-05	0.0005168
Tmem63b_j3	13.8052	13.5444	0	1	1
Tmem63b_j2	1.72848	0.59784	0	1	1
Vegfa	8.99214	9.18415	0	1	1
Vegfa	6.90693	6.75514	0	1	1
Rsph9	0.940858	0.903204	-0.0589259	0.721541	0.900522
Mad2l1bp	11.7438	12.6327	0	1	1
Polh	1.298	1.27713	0	1	1
Polr1c	3.17287	3.36595	0.0852237	0.478019	0.77269
Tjap1_j5	0.519262	0.662232	0	1	1
Tjap1	0.191316	0.363532	0	1	1
Tjap1_j3	1.63696	1.65208	0	1	1
Abcc10_j2	1.18841	1.32693	0.159058	0.612207	0.847331
Abcc10_j1	0.250407	0.375218	0.583451	0.126471	0.442942
Abcc10_j7	0.810283	0.82563	0.0270703	0.929936	0.978574
Ttbk1_j2	0.260321	0.273876	0	1	1
Cul9_j3	7.30968	6.52927	0	1	1
Srf_j2	0.474217	0.414314	-0.19482	0.535451	0.80631

Srf	1.79937	1.79518	-0.0033587	0.983477	0.995138
Ptk7	8.48078	5.31331	0	1	1
Klc4_j1	1.70229	2.55775	0	1	1
Klc4	2.90836	2.68744	0	1	1
Klc4_j2	5.86027	5.7193	0	1	1
Klhdc3_j6	0.256857	0.346478	0.431797	0.353884	0.690079
Ppp2r5d	24.3979	24.7827	0.0225729	0.80588	0.935848
Cnpy3	18.0806	17.1559	-0.0757447	0.486751	0.777771
Rpl71	11.1033	11.6024	0.0634311	0.551649	0.815896
BC032203_j4	0.0832639	0	0	1	1
BC032203_j1	4.20421	2.92331	0	1	1
Ubr2_j5	0.317958	1.30558	0	1	1
Ubr2_j6	3.7074	4.85177	0	1	1
Ubr2	2.5091	2.14218	0	1	1
Ubr2	1.96465	1.76281	0	1	1
Taf8	4.74812	4.95686	0.0620712	0.663555	0.872642
Bysl	2.61669	2.67446	0.031508	0.795984	0.932016
XLOC_014517	0.269829	0.205978	-0.389555	0.31187	0.656405
Prickle4_j4	0.160431	0.0452186	-1.82696	0.170277	0.507195
Mdfi_j2	0.22016	0.042044	-2.38858	0.117852	0.427133
Foxp4_j10	0.342118	0.102474	0	1	1
Foxp4_j11	0.06196	0	0	1	1
Foxp4	0.384239	0.219803	0	1	1
Foxp4	0.242648	0.345642	0	1	1
Nfya_j6	0.360845	0.470511	0	1	1
Nfya_j5	0.0897683	0	0	1	1
Nfya_j4	2.00027	2.11267	0	1	1
Apobec2	0.253804	0.238979	-0.0868261	0.730738	0.904795
Daam2_j4	1.94794	1.49348	0	1	1
Daam2_j5	0.208081	0.184463	0	1	1
Daam2_j6	2.15926	1.35225	0	1	1
Rftn1_j2	0.248234	0.38264	0.624291	0.311942	0.656418
Rftn1	0.295705	0.470639	0.670465	0.0699561	0.317461
Tbc1d5_j2	2.8998	3.43391	0	1	1
Tbc1d5	0.492387	0	0	1	1
Tbc1d5	4.11409	3.30694	0	1	1
Satb1_j1	0.480333	0.00134241	0	1	1
Satb1	1.3286	0.578213	0	1	1
Satb1	0.187106	0.112926	0	1	1
Satb1_j2	0.657434	0	0	1	1
Kcnh8_j1	0.317458	0.302051	-0.0717735	0.871785	0.959367
Kcnh8	1.21153	0.954934	-0.343354	0.159455	0.493951
Mrps36-ps1	27.4994	27.9216	0.0219777	0.869336	0.958432
Slc5a7_j2	0.0701478	1.94E-05	-11.8189	0.964913	1
Slc5a7	0.227993	0.187967	-0.27851	0.531425	0.803508
Pot1b	0.362407	0.169572	-1.09571	0.0445972	0.241036
Sh3gl1	7.46972	9.58183	0.359247	0.0057859	0.05688

Ubxn6_j1	23.7181	27.7116	0.224502	0.0448682	0.242097
Ubxn6	15.4485	16.942	0.133141	0.20659	0.551189
Lrg1	0.147968	0.226704	0.615524	0.38418	0.71322
Sema6b	0.468587	0.234417	-0.999239	0.0238283	0.158928
D17Wsu104e	19.0247	21.6671	0.187632	0.106958	0.406359
Dpp9_j2	9.99665	12.4288	0	1	1
Ticam1	3.21121	3.88947	0.276456	0.0558157	0.276139
Plin3_j1	1.39708	0.879578	-0.667533	0.0570759	0.279916
Plin3	7.62951	7.60762	-0.0041437	0.974858	0.992797
Ptprs_j6	0.418045	1.45955	0	1	1
Ptprs_j7	0.141606	0	0	1	1
Safb2_j1	3.39465	3.49544	0	1	1
2410015M20Rik	7.5879	7.18994	0	1	1
Lonp1	9.85599	10.2965	0	1	1
Vmac	3.71591	4.2389	0.189975	0.221602	0.568818
Nrtn	0.543304	0.448192	-0.277642	0.50309	0.786906
Rfx2_j4	0.279659	0.198502	-0.494517	0.469349	0.76748
Mllt1	5.169	5.74264	0.15183	0.181191	0.521104
Gtf2f1	29.768	33.7245	0.180038	0.0564588	0.278053
Khsrp_j4	1.71752	1.43553	0	1	1
Slc25a23	4.68562	4.12264	0	1	1
Dennd1c_j1	0.205566	0 -1.79769e+308		0.0033271	0.0373905
Dennd1c_j2	0.105198	0.0508573	-1.04858	0.590426	1
Tubb4	305.497	335.773	0.136326	0.135102	0.457301
Gm11110	0.138495	0.0673009	-1.04113	0.382901	0.712805
C3_j2	0	0.057307 1.79769e+308		0.0224577	1
Gpr108	10.2278	9.75356	0	1	1
Gpr108	7.58674	8.54228	0	1	1
2610034M16Rik_j1	0.434146	0.444226	0.0331134	0.942687	0.982647
Nudt12	3.30884	2.66663	-0.311311	0.0565357	0.278163
Efna5_j1	2.38355	0	0	1	1
Efna5	1.77622	1.47002	0	1	1
Fbxl17	2.10855	1.90025	-0.150061	0.182089	0.522433
Pja2	51.9694	44.8851	0	1	1
Pja2	49.1121	40.1545	0	1	1
Tmem232_j1	0.0741766	0.0632434	-0.230049	0.851097	1
Vapa_j4	53.6375	56.0717	0	1	1
Vapa	12.2908	12.0987	0	1	1
Rab31	1.40435	2.11033	0	1	1
Ralbp1_j1	9.89525	13.2626	0	1	1
Ralbp1_j2	0.207679	0	0	1	1
Twsg1	6.91354	7.2737	0.0732642	0.524482	0.800074
Ankrd12_j2	0.666947	0.511687	-0.382312	0.40694	0.727764
Ndufv2	66.5152	66.193	0	1	1
XLOC_014582	0.200547	0.0927715	-1.11219	0.290113	0.637464
Gm10495	15.8766	16.7156	0.0742905	0.685338	0.882587
1110012J17Rik_j4	0.146875	0.0535365	-1.45599	0.105558	0.403524

1110012J17Rik	2.99574	2.35872	-0.344913	0.0057698	0.0567423
Rab12	4.5835	5.23567	0.191924	0.268521	0.617467
Rab12_j1	4.65012	4.02443	-0.208482	0.244489	0.592045
Ptprm_j1	1.26776	0.001193	0	1	1
Arhgap28_j6	8.96412	8.75717	0	1	1
Arhgap28_j1	7.16015	4.9847	0	1	1
Arhgap28	4.76574	5.37402	0	1	1
Tgif1	0.303621	0.424615	0.483886	0.327331	0.670248
Tgif1	0.901793	1.852	1.03822	0.0006408	0.0099914
Tgif1	1.29712	2.89631	1.1589	2.44E-05	0.000649
Myl12b_j2	0.827072	1.65507	0	1	1
Myl12b	120.121	144.888	0	1	1
Smchd1_j2	1.76498	2.34935	0	1	1
Smchd1_j3	1.44469	1.25721	0	1	1
Smchd1	0.974042	0.91738	0	1	1
Trmt61b	0.923773	0.978658	0.0832655	0.827861	0.944579
Trmt61b	2.7553	2.97329	0.109855	0.584243	0.833357
XLOC_014604	0.163141	0.0671109	-1.2815	0.424844	0.740158
Xdh	0.831327	2.45463	0	1	1
Srd5a2	2.1699	3.1444	0.535154	0.0016405	0.0212827
Memo1_j1	1.4889	1.51162	0	1	1
Memo1_j2	0.235147	0	0	1	1
Dpy30_j1	17.9669	18.2543	0.0228922	0.905718	0.970015
Dpy30	10.0578	9.82051	-0.0344395	0.874345	0.960101
Dpy30	7.99089	8.52102	0.0926695	0.605001	0.844161
Fam98a	24.9889	27.1106	0.117566	0.204744	0.549005
Fez2	19.6907	20.2874	0	1	1
Fez2_j1	8.98824	6.14208	0	1	1
Fez2	6.36374	7.23815	0	1	1
Strn	7.65617	6.30085	-0.281076	0.0044693	0.0466987
Heatr5b_j1	3.92621	4.65401	0	1	1
Heatr5b	3.63822	2.27686	0	1	1
Eif2ak2_j3	0.14447	0 -1.79769e+308		8.20E-08	4.51E-06
Eif2ak2	1.32376	0.829242	-0.674773	0.000641	0.0099914
Cebpz	0.968318	1.05616	0.125274	0.56225	0.822079
Prkd3	0.577341	0.196863	0	1	1
Cdc42ep3	2.78756	2.89018	0.0521567	0.756604	0.916114
Cyp1b1	0.353843	1.23294	1.80092	7.95E-14	1.34E-11
Cyp1b1_j2	0.762518	1.56954	1.0415	3.28E-08	2.04E-06
Cyp1b1_j1	7.18479	15.7496	1.1323	0	0
Atl2_j2	8.42177	7.41716	-0.183255	0.101703	0.395032
Hnrpll	4.74585	4.36542	-0.120545	0.333751	0.674644
Srsf7	7.71916	7.02187	0	1	1
Srsf7	14.0884	14.0132	0	1	1
Dhx57_j5	8.21069	8.17576	0	1	1
Dhx57_j4	6.18417	3.71491	0	1	1
Dhx57	3.09514	2.71056	0	1	1

Sos1	7.72108	5.58262	0	1	1
Cdkl4_j3	0.700595	0.271455	-1.36787	0.0008671	0.0127466
Map4k3_j5	2.08949	2.23621	0	1	1
Map4k3_j6	5.35926	3.51345	0	1	1
Thumpd2_j3	0.325165	0.33243	0.0318766	1	1
Thumpd2	0.179015	0.0773395	-1.2108	0.0975407	0.385892
Slc8a1_j2	0.0916212	0 -1.79769e+308		5.02E-05	1
Slc8a1_j1	0.31951	0.0428193	-2.89953	0.0002132	0.0040424
Cox7a2l_j2	6.74574	7.60781	0	1	1
XLOC_014639	0.147881	0 -1.79769e+308		0.0357252	0.20846
XLOC_014639	0.0731139	0.0964996	0.400377	0.733128	1
Lrpprc_j1	2.47314	3.06423	0	1	1
Lrpprc_j3	8.51301	10.5109	0	1	1
Lrpprc	1.73565	1.27761	0	1	1
1110020A21Rik	0.279055	0.237718	-0.231299	0.633695	0.857901
Prepl	85.4846	66.259	0	1	1
Six2	0.30694	0.443527	0.531063	0.129702	0.448649
Srbd1	2.68186	3.22413	0.265676	0.0730336	0.325396
Mcf2_j1	3.26477	4.11649	0.334436	0.127829	0.445499
Mcf2	30.7026	28.6846	-0.0980836	0.323222	0.6662
XLOC_014658	0.117957	0.0840037	-0.489738	0.633245	1
Kcnk12_j1	0.325706	0 -1.79769e+308		3.93E-11	4.33E-09
Kcnk12	4.5461	4.32672	-0.071354	0.535101	0.806052
Fbxo11	11.6309	10.5573	0	1	1
Fbxo11	6.55933	5.81792	0	1	1
Nrxn1_j9	1.80415	0.405711	0	1	1
Nrxn1_j12	0.426982	0.000407446	0	1	1
Mettl4_j3	1.13301	1.0998	0	1	1
Mettl4_j1	0.614127	1.03821	0	1	1
Scaf8_j5	0.405414	0.401708	0	1	1
Tiam2_j2	0.413409	0.52155	0	1	1
XLOC_013764	0.140826	0 -1.79769e+308		0.0001225	0.0025461
XLOC_013766	0.22124	0.306432	0.469951	0.4191	0.735794
Zdhhc14_j4	1.14293	0.958619	-0.253706	0.730091	0.904677
Snx9_j4	0.430086	0.187042	0	1	1
Tmem181a_j2	0.711554	0.743626	0.0636044	1	1
Rps6ka2_j3	1.44065	1.93252	0	1	1
Pde10a_j3	0.949812	0.625099	0	1	1
Park2_j5	1.24509	1.4192	0.188819	0.518345	0.796444
Tcp1	0.495865	0.112096	-2.14522	0.000557	0.008925
Tcp10a_j2	0.174878	0.0982763	-0.831431	0.453721	0.758205
Mllt4_j11	0.891631	1.30091	0	1	1
1600012H06Rik	1.41877	1.46274	0	1	1
2210404J11Rik_j1	3.18623	3.09958	-0.0397801	0.803176	0.934684
Fam120b_j1	7.76426	7.67809	0	1	1
Tbp	0.631655	0.516363	-0.290751	0.168009	0.504618
Tbp	0.783669	0.94467	0.269567	0.332022	0.673438

Tbp	0.523099	0.285878	-0.871686	0.0476193	0.250615
Tbp_j3	0	0.106104	1.79769e+308	0.0133095	1
Chd1_j5	0.384017	0.4992	0	1	1
Chd1_j7	1.43479	2.0329	0	1	1
4930546H06Rik_j3	0.477455	0.514517	0.107853	0.855347	0.954239
Zfp160_j1	0.898431	0.92222	0.0377044	0.885576	0.963692
Zfp677_j2	0.0658784	0	-1.79769e+308	0.014913	1
Zfp677_j1	0.0167171	0.145697	3.12358	0.0387346	1
Zfp53	0.867487	0.999652	0.204582	0.461067	0.762373
KRAZ1	0.147344	0.109509	-0.42814	0.539207	0.808383
KRAZ1_j1	0.19003	0.224266	0.238984	0.646428	0.863677
Zfp52	3.32326	3.25531	-0.0298019	0.833922	0.94651
Zfp948_j1	1.58449	1.96775	0	1	1
3110052M02Rik_j1	0.218854	0.180407	0	1	1
3110052M02Rik_j2	0.995742	1.01015	0	1	1
Zfp760_j5	0.823644	0.853198	0	1	1
Zfp760_j3	1.14513	1.02286	0	1	1
Zfp943_j1	1.46956	2.38855	0	1	1
XLOC_013840	0.0678984	0.191103	1.4929	0.30671	0.651965
Hcfc1r1_j2	113.541	109.324	-0.0546045	0.56716	0.82484
Srrm2_j1	0.447989	0.415367	0	1	1
Rnps1_j1	3.08943	3.87248	0.325918	0.199233	0.542218
Rnps1_j2	4.76474	5.46808	0.198637	0.525722	0.800884
Dci_j1	7.31051	5.71525	-0.355156	0.118279	0.428203
Dci_j2	4.46541	4.00658	-0.156422	0.610657	0.846532
Caskin1	6.95894	3.90558	0	1	1
mKIAA1306_j4	9.14172	8.57007	0	1	1
Pkd1_j9	0.315281	0.408462	0	1	1
Nthl1_j1	0.374768	0.164011	-1.19221	0.304303	0.649996
Nthl1_j3	0.211027	0.416162	0.97972	0.418007	0.734998
Zfp598_j3	1.24794	1.54647	0	1	1
Hs3st6_j1	0.6444	0.613435	-0.0710455	0.88312	0.962848
Hagh_j5	6.10112	6.29051	0	1	1
Spsb3_j1	9.74333	10.0862	0	1	1
Ift140_j3	4.65455	4.7556	0	1	1
Clcn7_j2	0.136913	0	-1.79769e+308	0.0056383	1
Unkl_j1	0.952085	1.04106	0	1	1
O610007P22Rik_j1	10.8147	11.452	0	1	1
O610007P22Rik	1.81604	2.00566	0	1	1
Gng13	0.386445	0.402191	0.0576151	0.936225	0.980422
Rpusd1_j2	1.79442	2.15184	0	1	1
Rpusd1_j1	1.42564	0.921339	0	1	1
Fbxl16_j5	1.85525	1.57037	0	1	1
Wdr24_j1	1.02729	1.07766	0.0690592	0.802172	0.934265
Tmem8	8.89849	8.22346	-0.113815	0.400441	0.723914
Luc7l	4.37823	4.56815	0.0612643	0.748104	0.912349
Bnip1	11.2956	11.3301	0	1	1

Kifc5b_j8	0	0.14987	1.79769e+308	0.115124	1
Phf1_j3	1.11223	1.07984	0	1	1
Itpr3_j1	0.415381	0.583734	0	1	1
Itpr3_j2	2.31859	2.41346	0	1	1
Snrpc_j2	0.241546	0.503676	1.0602	0.289669	0.637033
Snrpc_j6	0.255035	0.204111	-0.32134	0.769811	0.921491
Uhrf1bp1_j2	0.160831	0.104242	-0.625607	0.192409	0.534598
XLOC_013911	0.1075	0.0834822	-0.364797	0.666086	1
Ppard_j1	0.407934	0.722576	0.824813	0.0302222	0.186654
Fance	1.46212	1.68305	0.203014	0.466172	0.765927
Rpl10a_j3	0.524871	0.471571	-0.154489	0.654895	0.868233
Rpl10a_j6	4.72549	5.11594	0.114537	0.478031	0.77269
Mapk14	9.77577	15.2286	0	1	1
Brpf3_j2	0.239329	0.316477	0	1	1
Brpf3_j1	0.481242	0.511868	0	1	1
Brpf3	1.29331	1.58303	0	1	1
Sfrs3_j1	1.98073	2.8318	0.515686	0.0094655	0.0822623
Sfrs3_j10	29.1702	28.5322	-0.0319037	0.762191	0.918113
Cdkn1a	23.571	51.2096	0	1	1
Fgd2	0.281075	0.43751	0.638362	0.138666	0.463124
Fgd2_j8	0	0.0843701	1.79769e+308	0.116193	1
Fgd2_j9	0.115246	0.195064	0.75923	0.502886	0.786859
Fgd2_j10	0.135257	0.400933	1.56766	0.0579329	0.282484
Rnf8_j1	3.34778	3.52684	0.0751709	0.785803	0.928253
Slc37a1_j1	4.03633	5.33216	0	1	1
Rrp1b_j3	0.206025	0.130515	-0.6586	0.252488	0.6005
C920016K16Rik_j2	0.119451	0.128453	0	1	1
Zfp563	0.182333	0.249856	0.454523	0.180244	0.519878
Pram1_j2	6.69979	8.74926	0	1	1
Pram1_j1	4.58286	5.19264	0	1	1
AK133808	1.80258	1.90486	0.0796236	0.754271	0.915325
Kank3_j4	1.65782	1.6073	-0.0446477	0.883323	0.962963
Ndufa7_j2	1.98537	0.303827	-2.70809	0.0333389	0.199285
Ndufa7_j5	4.49536	4.03868	-0.154555	0.718842	0.898857
Daxx_j2	1.54079	1.42869	-0.108972	0.68747	0.883849
Rgl2_j2	0.12497	0.0888066	-0.49284	0.355584	1
Vps52_j3	0.411353	0.380624	0	1	1
Rxrb	0.333453	0.520185	0.641543	0.024657	0.162784
Col11a2_j4	0.259523	0.0749461	-1.79193	0.0029661	0.0341658
Col11a2_j6	0.0832191	0.278464	1.7425	0.0009654	0.0139071
H2-DMa	0.405658	0.56757	0.484535	0.372482	0.705484
H2-DMa_j1	5.13525	5.96536	0.216174	0.169817	0.506768
H2-DMa_j2	0.430354	0.17663	-1.28479	0.128101	0.446034
Psm8	0.527174	0.556633	0.0784495	0.863815	0.956651
BC051142_j8	0.224497	0.127101	-0.820717	0.497603	0.783786
Gpsm3	3.17412	3.6763	0.211898	0.233215	0.580492
Prmt1_j2	0.099879	0.267802	1.42291	0.061944	0.294428

Tnxb_j12	0.111668	0.376223	1.75237	0.0003266	0.0057326
Tnxb_j13	1.29986	1.19415	-0.122368	0.577197	0.829389
Zbtb12	0.744887	0.735956	-0.0174026	0.956973	0.987617
Vars_j3	0.0334934	0.0992258	0	1	1
Vars_j4	0.846	1.25159	0	1	1
D17H6S56E-3_j8	2.40985	2.56694	0	1	1
D17H6S56E-3	2.17991	1.92206	0	1	1
Clic1	11.0212	24.9681	0	1	1
Clic1_j2	0.346985	0.671104	0	1	1
Bat3_j9	22.6289	20.2791	0	1	1
Bat3_j17	1.79541	3.4399	0	1	1
Atp6v1g2_j1	0.539553	0.109186	-2.30498	0.0165449	0.12335
Cchcr1_j1	0.239141	0.221767	-0.10882	0.851728	0.952951
Flot1_j1	129.196	148.494	0	1	1
Dhx16	4.25786	4.3138	0	1	1
Ppp1r10	5.67392	8.00894	0	1	1
2410017I17Rik_j1	2.41369	2.29178	-0.0747736	0.872815	0.959747
XLOC_014026	1.20147	0.574708	0	1	1
Znr1as	1.50851	1.57195	0.0594264	0.864549	0.956928
Znr1as_j1	0.903741	0.934015	0.0475372	0.913156	0.972756
Gabbr1_j4	90.8502	95.2511	0	1	1
3110082D06Rik_j2	0.121867	0.249761	1.03524	0.206099	0.550568
Pla2g7	7.57027	4.60889	0	1	1
Pla2g7_j6	86.391	68.7409	0	1	1
Cyp39a1	1.90593	2.29064	0.265261	0.221891	0.569069
Enpp5_j2	2.8462	3.12059	0.132781	0.595446	0.838859
XLOC_014054	0.192727	0.11068	-0.800164	0.335184	0.675791
Aars2_j1	0.171169	0.26079	0.607465	0.275025	0.624065
Mrpl14	22.7429	25.0968	0	1	1
Mrps18a_j1	31.6313	31.5213	-0.00502383	0.973549	0.99239
Gtpbp2	5.71818	6.56913	0	1	1
Crip3_j5	0.064576	0.0323421	-0.997586	0.572896	1
Crip3_j7	0.108004	0 -1.79769e+308	0.0090967	0.196179	1
Crip3_j6	0.041624	0.122194	1.55369	0.0383912	1
Crip3_j8	0.0477994	0 -1.79769e+308	0.0383912	1	1
BC048355_j1	0.441701	0.0776481	0	1	1
Pex6_j2	5.69413	6.64201	0	1	1
Trerf1_j2	0.209209	0.324997	0.635481	0.12548	0.441257
Trerf1_j6	0.152511	0.19818	0.377895	0.472636	0.769633
Trerf1_j8	0.322326	0.0508455	-2.66433	9.71E-05	0.0020983
Mrps10_j7	0.0986132	0.463847	0	1	1
Med20	5.21101	5.64079	0	1	1
Usp49_j7	1.80856	1.80218	0	1	1
Frs3_j1	1.43155	1.60491	0	1	1
AI314976	2.68497	1.87991	-0.514238	0.0706649	0.319546
AI314976_j1	1.41952	1.86461	0.393476	0.395722	0.720784
XLOC_014093	0.176503	0.161692	-0.126445	0.78877	0.929506

Zfp959_j7	0.457078	0.374253	-0.288426	0.58885	0.835806
Ccdc94	0.179402	0.370862	1.04768	0.0764788	0.334147
Hdgfrp2_j3	4.21929	5.0835	0	1	1
AK038632	0.0955886	0.216487	1.17937	0.188199	0.529448
Kdm4b_j4	6.35701	7.2851	0.196601	0.0815706	0.347939
Safb_j3	1.0141	1.1916	0	1	1
Safb_j5	1.95559	1.97711	0	1	1
Tmem146_j2	0.0753399	0.0320035	-1.23518	0.436118	1
Tmem146_j1	0.284732	0.181196	-0.65205	0.298411	0.644991
Ranbp3_j3	2.03249	2.23169	0	1	1
Alkbh7	0.563263	0.538231	-0.0655837	0.896177	0.967019
Emr1_j3	0	0.093867	1.79769e+308	0.0213698	1
Cntnap5c_j4	0.130765	0	-1.79769e+308	0.007629	1
Cntnap5c_j9	0.163156	0.126482	-0.367315	0.64591	0.863424
Fert2_j5	0.182623	0.109991	0	1	1
Ppp4r1_j2	0.179319	1.92891	0	1	1
Ppp4r1	4.55182	6.74574	0	1	1
ORF19	5.41879	7.50801	0	1	1
ORF19_j2	1.30969	0.856258	0	1	1
XLOC_014140	0.113208	0.0192471	-2.55626	0.239037	1
L3mbt4	0.441875	0.280067	-0.657869	0.209798	0.554224
L3mbt4_j9	0.102426	0.209826	1.03461	0.197994	0.541125
L3mbt4_j14	0.446853	0.231647	-0.947872	0.003767	0.0411018
L3mbt4_j16	0.106187	0.1786	0.750126	0.311085	0.655898
Tmem200c_j1	1.26783	1.36517	0.106719	0.617006	0.849275
Epb4.1l3_j2	24.8989	30.2529	0	1	1
Epb4.1l3_j8	5.84979	4.55421	0	1	1
Zfp161_j1	0.835531	0.712194	0	1	1
C030034I22Rik	0.489441	0.48556	-0.0114854	0.966789	0.990488
Dlgap1_j2	2.05389	2.46795	0	1	1
Myom1_j4	0.221039	0.18491	-0.257474	0.628933	0.855714
Clip4_j3	11.7254	6.62775	0	1	1
Ypel5	15.5489	13.9972	0	1	1
Ehd3_j1	21.635	20.5602	0	1	1
Spast	8.7926	8.8786	0.0140424	0.894999	0.966853
Birc6_j10	0.863692	0.742568	-0.217994	0.282831	0.631365
Ltbp1_j10	0.275173	0.806465	0	1	1
Ltbp1_j9	0	0.295861	0	1	1
Crim1_j3	0.36376	0.332655	-0.12896	0.739172	0.908403
Crim1_j7	0.754649	0.774987	0.0383675	0.930691	0.97884
Vit_j1	0	0.16044	1.79769e+308	0.0077497	0.0709975
Fam82a1_j8	1.75559	0.984441	-0.83458	0.0005788	0.0092074
Fam82a1	0.551525	0.238074	-1.21201	0.0258754	0.168432
Galm_j2	0.121028	0	-1.79769e+308	0.0223635	1
Arhgef33_j3	0.411836	0.107322	-1.94013	0.13802	0.461827
Pkdcc_j1	0.491571	0.660558	0.426287	0.423984	0.739374
Mta3_j5	1.17372	2.51237	0	1	1

Plekhh2	0.0424467	0.151622	1.83675	0.0316173	1
Ppm1b	1.07519	0.594498	-0.854851	0.0244593	0.161852
Ppm1b	1.47104	1.42661	-0.0442534	0.882173	0.962591
1700106N22Rik	5.91083	6.18322	0.0649988	0.693471	0.886723
Prkce	8.45533	6.56496	0	1	1
Rhoq_j7	27.1817	58.461	1.10484	0	0
Socs5_j3	13.6061	11.8447	-0.200013	0.0482384	0.252681
Ttc7_j2	0.0405588	0.102351	1.33544	0.114174	1
Ttc7_j3	0.216883	0.229095	0.0790273	0.882657	0.962648
Msh2_j1	0.233384	0.107435	-1.11924	0.258798	0.607552
Msh2_j3	2.52426	4.18888	0.730705	0.0341196	0.202314
XLOC_014209	0.15232	0.131651	-0.210386	0.853813	0.953756
Foxn2_j2	0.423133	0.380363	-0.153735	1	1
Klraq1_j1	6.16924	6.70205	0.119511	0.500725	0.785042
Adcyap1_j1	1.19899	2.89644	0	1	1
Adcyap1_j4	12.0888	20.2737	0	1	1
Pisd-ps2_j1	0.764555	0.569609	-0.424648	0.191979	0.534172
Pisd-ps2_j9	3.81622	7.05789	0.887095	2.03E-08	1.34E-06
Tfb1m_j1	0.156858	0.0742405	0	1	1
Tmem181b	1.516	1.31979	0	1	1
XLOC_014230	0.579561	1.17235	0	1	1
AK037830	0.212166	0.334883	0	1	1
AK037830_j2	0.323782	0.34898	0	1	1
Rsph3b_j1	4.36877	2.943	-0.56994	0.0041452	0.044054
Rnaset2a_j2	0.569336	0.191888	-1.56902	0.267302	0.616207
Qk	3.56313	3.48708	0	1	1
Qk_j7	0.161525	0.114485	0	1	1
Map3k4_j3	1.03107	1.35825	0	1	1
Map3k4	0.607614	0.10636	0	1	1
Pnlcd1_j2	0.0998154	0.0782515	-0.351144	0.851747	1
Pnlcd1_j3	0.079821	0.0416165	-0.939611	0.616424	1
Acat2	14.544	13.7415	-0.0818871	0.480744	0.774445
Wtap_j6	22.2142	24.3823	0	1	1
XLOC_014258	0.103693	0.0806274	-0.36298	0.685105	1
AK143195	0.165013	0.280368	0.764742	0.241432	0.588512
Tcte2_j2	0.103545	0.0616777	-0.747435	0.576653	1
Tcte3	0.338989	0.255575	-0.40749	0.601042	0.841992
Pdcd2_j1	12.7128	14.3551	0.175279	0.249793	0.597201
Pdcd2	3.76979	4.11167	0.125239	0.563304	0.822523
Prdm9	0.00297913	0.306172	6.68331	0.0523095	0.265559
Prdm9_j7	0	0.0813564	1.79769e+308	0.0203109	1
Rgmb_j1	34.5352	28.9879	0	1	1
Rgmb_j2	6.79215	6.87349	0	1	1
Zfp942_j1	0.397447	0.589018	0.567548	0.160326	0.49487
Zfp945_j1	3.76971	4.2248	0	1	1
Zfp945	1.4459	1.41527	0	1	1
Mmp25_j7	0.311899	1.49549	0	1	1

Mmp25_j8	0.512358	0.19174	0	1	1
Thoc6	2.75702	2.02663	-0.444029	0.0214848	0.147997
Thoc6_j1	0.107692	0.164285	0.609293	0.302641	0.648636
XLOC_014295	0.26415	0.358543	0.44079	0.343919	0.683921
AK047830_j3	0.260604	0.329832	0.339875	0.571496	0.826903
Paqr4_j2	37.8718	30.997	0	1	1
Kremen2_j2	0.0771834	0	-1.79769e+308	0.0588779	1
Flywch1_j2	1.10395	1.52057	0	1	1
Tceb2	2.97079	7.97029	0	1	1
Amdhd2_j1	0.229865	0	0	1	1
Amdhd2	6.70913	6.73836	0	1	1
Atp6v0c_j1	61.1511	70.8071	0.211515	0.0200605	0.141139
Tbc1d24_j6	0.534738	0.0367254	-3.86398	5.32E-09	3.94E-07
E4f1_j4	0.414408	0.549268	0.406458	0.141971	0.468515
Tsc2_j1	0.80751	0.543415	0	1	1
Slc9a3r2	0.308592	0.0646247	0	1	1
Tbl3_j3	0.606766	0.34688	0	1	1
Nubp2_j1	15.9249	15.9137	0	1	1
Nubp2	15.9516	16.5019	0	1	1
Nubp2_j2	9.50051	10.0145	0	1	1
Mapk8ip3_j1	5.48182	4.56947	0	1	1
Mapk8ip3_j2	0.141696	0	0	1	1
Telo2	1.57567	1.78476	0	1	1
Gnptg	4.12677	3.82161	0	1	1
Cacna1h_j4	1.18096	0.638787	0	1	1
Cacna1h_j3	2.74019	2.20918	0	1	1
Haghl_j3	28.6964	22.7145	-0.337252	0.0011883	0.0164222
Rhbdl1_j2	2.63508	2.25983	-0.221631	0.26042	0.609134
Rhot2_j7	17.6131	18.6091	0.0793613	0.537822	0.807802
Wdr90_j1	2.31108	2.2788	-0.0202923	0.890771	0.965446
Pigq_j2	16.8989	16.7732	0	1	1
Solh_j4	0.410821	0.198849	0	1	1
Solh	4.41505	4.16678	0	1	1
Decr2_j3	0.411722	0.510473	0.310163	0.526345	0.801033
Nme4	1.39204	1.80735	0.376674	0.170076	0.507178
Pdia2_j6	0.0580036	0.0736114	0.343789	0.741158	1
Itfg3	7.53774	6.62805	0	1	1
Dusp1_j1	11.003	15.6451	0.507817	0.0001415	0.0028657
Cuta_j1	0.122694	0.189387	0	1	1
Lemd2_j3	2.22886	1.47384	0	1	1
AK036033_j5	0	0.0859811	1.79769e+308	0.155441	1
Taf11_j1	12.5718	14.0389	0	1	1
Taf11_j3	0.520185	0.528458	0	1	1
Tcp11_j1	0.0613769	0.102678	0.742364	0.462361	1
Tead3_j3	0.210672	0.18337	-0.200247	0.785871	0.928311
Slc26a8_j11	0.118206	0.0276437	-2.09628	0.31955	1
Slc26a8_j20	0	0.0861694	1.79769e+308	0.0551421	1

Stk38_j8	0.0590046	0.196604	0	1	1
Stk38	0.47144	0.660261	0	1	1
Mtch1	54.7669	62.9868	0	1	1
1110021J02Rik	0.75122	0.697699	-0.106631	0.688426	0.88417
Btbd9_j4	1.33838	0.944761	0	1	1
Btbd9_j5	4.09481	3.9106	0	1	1
Wdr4_j3	0.126207	0.209787	0	1	1
Wdr4_j5	0.737806	0.658357	0	1	1
Wdr4_j4	2.00656	2.63102	0	1	1
U2af1_j4	2.32425	2.55752	0.137977	0.370358	0.703609
U2af1_j2	0.260282	0.172161	-0.596322	0.461943	0.763026
Sik1_j1	0.187502	0.319396	0.768438	0.0998743	0.391346
Notch3_j2	0.571554	0.677827	0.246026	0.45295	0.757909
Notch3_j3	0.0844659	0.192874	1.19122	0.0261509	0.169726
Notch3_j13	0.0939701	0.0494456	-0.926359	0.536485	1
Brd4_j1	0.255224	0.210911	-0.275129	0.562236	0.822079
Brd4_j2	1.58149	1.55241	-0.0267798	0.881081	0.962197
Brd4_j3	2.43523	2.58274	0.0848487	0.563882	0.822998
Akap8l_j9	0.781965	0	-1.79769e+308	5.16E-24	1.61E-21
Akap8l_j8	0.147648	1.75051	3.56754	0	0
Wiz_j1	3.1024	3.29721	0.0878608	0.593377	0.838009
Cyp4f13_j1	0.000119486	1.04582	13.0955	0.885768	0.963751
Cyp4f13_j2	0.141974	0.0536678	-1.4035	0.354036	0.690183
Hnrnpm_j2	8.81316	8.27743	0	1	1
March2_j1	4.58646	1.86898	0	1	1
Rab11b_j7	0.225934	0.327735	0.536627	0.394991	0.720135
Rab11b_j6	0.274276	0.648596	1.24169	0.0145249	0.112329
Rab11b_j5	1.32998	1.24687	-0.0930989	0.761455	0.917949
Angptl4_j2	2.9332	4.29601	0.550521	0.0224184	0.152659
Rps18_j3	0.404433	0.200933	0	1	1
H2-Ke6_j4	0.206364	0.378242	0.874119	0.00361	0.0399016
H2-Ke6_j3	0.299554	0.473972	0.661987	0.0133942	0.106204
Psmb9_j1	3.49874	3.36584	-0.0558684	0.831735	0.945814
Psmb9	1.49057	0.86138	-0.791143	0.0625167	0.295851
Egfl8_j6	14.7714	17.0725	0.208868	0.0546383	0.272571
Stk19_j1	1.54383	0.863327	0	1	1
Csnk2b_j2	3.89779	5.69644	0.547406	0.0570576	0.279855
Prrc2a_j1	9.51151	15.4075	0	1	1
Vars2_j5	0	0.0828095	1.79769e+308	0.0972499	1
Gtf2h4_j1	2.40484	2.71053	0.172635	0.579344	0.830904
Ddr1_j1	2.80233	2.07855	0	1	1
Ddr1_j2	6.86569	7.17238	0	1	1
Tubb5_j1	1.18394	2.18106	0	1	1
2310061I04Rik	0.590109	1.33861	0	1	1
Prr3_j1	0.819047	1.42758	0	1	1
Prr3	0.365485	0.286968	0	1	1
H2-T24_j1	1.01273	1.22832	0.278431	0.346417	0.685483

H2-T23	4.00704	3.99246	0	1	1
H2-M1_j1	0.000846963	0.0784282	6.53293	0.813345	1
Trim15_j2	0.0310987	0.157504	2.34046	0.0475276	0.250305
Ppp1r11_j3	0.175197	0.101645	0	1	1
Znrd1_j1	6.01164	6.87153	0.192873	0.410586	0.730412
Znrd1_j2	7.92085	8.72112	0.138859	0.515293	0.794119
Cd2ap_j4	5.90613	5.15892	-0.195144	1	1
Enpp4_j1	0.168019	0.26036	0	1	1
Cdc5l_j2	9.33694	9.23608	-0.0156688	0.910935	0.972049
Cdc5l_j12	0	0.304207	1.79769e+308	0.0900687	0.368442
Spats1_j4	0.360909	0.367332	0.0254482	0.971137	0.991879
Spats1_j7	0.051394	0.158435	1.62422	0.269779	0.618841
Tmem151b	1.01773	0.342367	0	1	1
Slc29a1_j8	0	0.336256	1.79769e+308	0.0014478	0.0191767
Slc29a1_j9	0.574094	0.950461	0.72734	0.0853424	0.356598
Tmem63b_j4	5.87145	5.60044	0	1	1
Polh	0.971591	0.831128	0	1	1
Tjap1_j6	0.381774	0.172219	0	1	1
Tjap1_j7	0.385934	0.216551	0	1	1
Abcc10_j3	0.218907	0.251319	0.199203	0.719143	0.898969
Abcc10	0.230678	0.0993375	-1.21547	0.169445	0.506414
Klc4_j3	1.17425	0.955566	0	1	1
Klhdc3_j2	1.73749	0.849811	-1.03179	0.0005101	0.0082712
Klhdc3_j4	0.269154	0.268783	-0.00198967	0.996044	0.998914
Klhdc3_j1	2.73613	3.7201	0.443203	0.0116011	0.095653
Gnmt	0.277587	0.147812	-0.909172	0.197398	0.540303
A330017A19Rik	0.106713	0.128015	0	1	1
Ubr2_j7	4.90826	5.19971	0	1	1
Foxp4_j8	0.183946	0	0	1	1
Foxp4_j4	1.61825	1.51056	0	1	1
Foxp4_j9	0.953901	0.702305	0	1	1
Nfya	1.82162	2.19065	0	1	1
Daam2	2.17919	2.27221	0	1	1
Daam2_j10	1.66362	1.8857	0	1	1
Tbc1d5_j3	0.750362	1.30797	0	1	1
Satb1_j3	0.774164	0	0	1	1
Pot1b_j5	0.0997845	0.0383134	-1.38097	0.267164	1
Sema6b	0.790197	0.563624	-0.487479	0.097596	0.385988
Ptprs_j1	36.2696	34.9904	0	1	1
Ptprs	30.6724	27.9062	0	1	1
Safb2_j4	7.17944	8.07794	0	1	1
Mllt1_j1	0.259142	0.238801	-0.11793	0.795648	0.931954
Gtf2f1_j2	0	0.318498	1.79769e+308	0.0045019	0.0469444
Gtf2f1_j3	0.0470929	0.0422213	-0.157539	0.921853	1
Gtf2f1_j4	0	0.144465	1.79769e+308	0.0287275	1
Dennd1c_j6	0.0590432	0.016684	-1.82331	0.458174	1
C3_j1	0.0905266	0.0558179	-0.697614	0.590487	1

Gpr108_j4	0	0.079181	0	1	1
Gpr108_j5	0	0.276612	0	1	1
Fbxl17_j1	16.8675	15.1745	-0.152597	0.27989	0.628722
Rab31_j3	3.36228	5.92437	0	1	1
Ralbp1	25.7838	25.4494	0	1	1
Twsg1_j1	0.9615	1.009	0.0695671	0.802678	0.934384
Ndufv2_j2	0	0.209805	0	1	1
XLOC_014582	0.280458	0.222956	-0.331026	0.76968	0.921491
XLOC_014582	0.164402	0 -1.79769e+308		0.0439602	0.238753
XLOC_014583	0.292146	0.217676	-0.424507	0.527285	0.80151
Ptprm	0.872872	1.73751	0	1	1
Myl12b_j1	67.4959	106.616	0	1	1
Alk_j3	0.340969	0.406725	0.254416	0.41245	0.731438
Galnt14	6.92105	5.17871	-0.418398	3.80E-05	0.0009459
Xdh_j2	0.83396	3.23457	0	1	1
Memo1_j6	4.18217	0.297252	0	1	1
Memo1_j7	1.14959	1.3168	0	1	1
AK144664	0.201328	0.240069	0.2539	0.729059	0.903977
Atl2	0.394817	0.801941	1.02231	0.0067495	0.0639878
Dhx57_j3	6.50935	8.26953	0	1	1
Dhx57	2.60255	2.82077	0	1	1
Map4k3_j4	0.326488	0.418587	0	1	1
Map4k3_j8	0.451372	0.45085	0	1	1
XLOC_014636	0.104609	0.0494793	-1.08011	0.417852	1
Cox7a2l_j1	58.5527	61.1549	0	1	1
XLOC_014640	0.117969	0.194965	0.724814	0.360462	0.695432
XLOC_014641	0.0735732	0.0575891	-0.353384	0.78628	1
Lrpprc_j6	3.88148	4.85344	0	1	1
Srbd1	0.940293	1.19645	0.347579	0.355618	0.691525
Srbd1	0	0.0763779 1.79769e+308		0.123125	1
XLOC_014653	0.209218	0.180264	-0.214899	0.731311	0.904922
XLOC_014653	0.391845	0.376197	-0.0587947	0.862273	0.956421
XLOC_014658	0.0328156	0.109902	1.74377	0.53776	1
Lhcgr_j2	0.0423966	0.292643	2.78712	0.113692	0.419374
Lhcgr_j5	0.298655	0.075038	-1.99278	0.17108	0.507955
Lhcgr_j7	0.627914	0.565448	-0.151172	0.740932	0.909167
Lhcgr_j8	0.833399	0.692546	-0.267098	0.688935	0.88458
Nrxn1_j2	3.54462	2.11595	0	1	1
Nrxn1_j1	2.76855	2.19097	0	1	1
Nrxn1_j3	0.243629	0.383321	0	1	1
Nrxn1_j4	2.43699	0.000270098	0	1	1
Mettl4_j2	1.92987	1.81518	0	1	1
Scaf8_j7	5.90536	5.09155	0	1	1
Tiam2	0.246619	0.451413	0	1	1
Tiam2	0.3279	0.13958	0	1	1
Arid1b_j1	2.92598	2.29457	0	1	1
Zdhhc14_j7	10.3329	10.7093	0.0516114	0.737537	0.907523

Snx9_j1	0.57293	0	0	1	1
Synj2_j1	0.140089	0.0562766	0	1	1
Gtf2h5_j1	41.5049	46.345	0.15913	0.365572	0.699478
Tulp4_j5	0.342009	0.554976	0.698389	0.0184753	0.133474
Dynl1e_j1	1.17847	0.397445	0	1	1
Sytl3_j2	2.25705	3.50607	0	1	1
Rps6ka2_j1	4.38127	2.36856	0	1	1
Rps6ka2_j2	0.12735	0.0689094	0	1	1
Fgfr1op_j2	0.708322	0.483149	-0.551939	0.253445	0.601477
T2_j1	0.244716	0.13998	-0.805894	0.103494	0.398764
Pde10a_j2	0.096961	0.0453431	0	1	1
1700010l14Rik_j4	0.195431	0.113106	-0.788989	0.423323	0.738697
Agpat4_j2	2.30727	3.2183	0	1	1
AK029100_j1	1.0486	0.903717	0	1	1
Sod2_j1	20.1099	18.2702	-0.138414	0.136166	0.459207
Mllt4_j2	0.253095	0.481851	0	1	1
Mllt4_j1	0.836389	0.652709	0	1	1
2210404J11Rik_j2	1.5425	1.39482	-0.145188	0.561821	0.821818
Tbp_j1	0.143398	0.145854	0.0245019	0.950803	0.985823
Lix1_j6	0.939002	0.580841	0	1	1
XLOC_013822	0.0974583	0.0942572	-0.0481819	0.961314	1
XLOC_013822	0.208803	0.115443	-0.854962	0.101702	0.395032
4930546H06Rik_j7	0.186635	0.0887208	-1.07288	0.0267446	0.172139
XLOC_013824	0.218546	0.0727199	-1.58751	0.259959	0.608587
XLOC_013825	0.138131	0.0053848	-4.681	0.0494031	0.256438
XLOC_013825	0.381541	0.390176	0.0322872	0.93467	0.97999
Ppp2r1a_j2	116.615	116.042	0	1	1
Zfp53_j1	0.778697	0.705655	-0.142098	0.476857	0.772447
Zfp948	2.24899	1.78997	0	1	1
Zfp758	4.03619	3.5411	-0.188799	0.142687	0.469414
AK079285	0.241054	0.316091	0.390984	0.4467	0.753504
Srrm2_j3	2.37913	1.72437	0	1	1
Srrm2_j2	0.0499402	0.0594519	0	1	1
Srrm2_j7	3.23054	2.97085	0	1	1
Rnps1_j4	5.26128	5.22072	-0.0111631	0.958296	0.988063
Dci_j3	0.422076	0.15597	-1.43624	0.293303	0.640282
Pkd1_j7	0.379708	0.320261	0	1	1
Hagh_j3	1.68178	1.37948	0	1	1
Igfals	0.107913	0.107795	-0.0015744	0.998263	1
Unkl_j4	6.19255	5.11656	0	1	1
Lmf1	1.13002	1.08467	0	1	1
Mslnl_j1	0.140784	0.0552314	-1.34992	0.201935	0.545319
Mslnl_j7	0.182706	0.0467674	-1.96595	0.348755	0.686735
Narfl_j1	0.245209	0.0439163	-2.48118	0.0030602	0.0349964
Ccdc78_j3	0.189117	0.0750406	-1.33353	0.0164336	0.122727
Fbxl16_j1	19.5305	22.9771	0	1	1
Axin1_j2	0.39846	0.463198	0.217193	0.58884	0.835806

A930001N09Rik	0.97071	0.343183	0	1	1
A930001N09Rik_j3	0.233384	0.423559	0	1	1
Kifc5b_j3	0.131074	0 -1.79769e+308	0.0006431		1
Kifc5b_j2	0.0514344	0.0465	-0.145501	0.913064	1
Phf1_j2	0.221896	0.309427	0	1	1
Phf1_j1	3.0618	2.99055	0	1	1
XLOC_013900	1.19907	1.42417	0	1	1
XLOC_013900	0.41568	0.556963	0	1	1
XLOC_013900	0.580486	0.925484	0	1	1
XLOC_013907	0.279154	0.23155	0	1	1
Scube3_j6	0.0747682	0.03875	-0.948229	0.548693	1
Ppard_j2	1.00678	0.920354	-0.129484	0.668064	0.874424
Fance	0.949259	1.21283	0.353499	0.334648	0.675435
Fance_j1	0.000357759	0.555058	10.5994	0.768711	0.921133
Fance_j3	0.148341	0.326625	1.13872	0.154171	0.487168
Kctd20	3.84931	2.21302	0	1	1
Sfrs3_j2	2.79797	2.30094	-0.282154	0.228965	0.576092
Sfrs3_j9	0.375449	0.143529	-1.38728	0.0299622	0.185636
Fgd2_j1	0.0690237	0 -1.79769e+308	0.0054552		1
Ftsjd2_j2	0.265662	0.000254091	-10.03	0.474569	0.770688
XLOC_013933	0.0538388	0.026556	-1.01961	0.578506	1
Zfand3	17.5401	17.4286	-0.00920133	0.954737	0.986907
Zfand3_j2	19.5931	21.7437	0.150254	0.408901	0.729112
Dnahc8_j2	0.0569622	0 -1.79769e+308	0.0692388		1
Pde9a_j1	0.0860369	0.0437117	-0.976937	0.487068	1
Pde9a_j5	0.170887	0.150906	-0.179397	0.876628	0.960779
Pknox1_j1	0.55554	0.460914	0	1	1
Pknox1_j4	0.630612	1.03869	0	1	1
Rrp1b_j7	0.171595	0.19638	0.194638	0.737234	0.907482
Rrp1b_j8	0.205752	0.0930271	-1.14518	0.13981	0.465192
BC048393_j1	0.483098	0.349408	-0.467404	0.0593169	0.286297
Cyp4f15_j1	1.67213	1.44706	-0.208564	0.223192	0.570235
XLOC_013948	0.158199	0.371086	1.23001	0.142696	0.469414
Adamts10_j3	0.505591	0.615548	0.2839	0.336874	0.677277
Myo1f_j2	0.050897	0.0174499	-1.54436	0.29717	1
Myo1f	0.25337	0.584747	1.20657	6.95E-05	0.0015758
Pram1_j3	0.984783	0.958418	0	1	1
Pram1_j12	0.0444596	0.0534155	0.264763	0.861876	1
Rgl2_j12	1.24077	1.42308	0.197782	0.440702	0.749739
Rxrb	1.76035	1.59332	-0.143827	0.379527	0.710908
Rxrb	13.0156	12.9746	-0.00455229	0.972432	0.991962
Col11a2_j5	0.644468	0.452688	-0.509592	0.0728141	0.324707
Tap1_j1	2.96294	2.45045	-0.273986	0.19764	0.540632
Psm8_j1	0.13521	0.201777	0.577562	0.565848	0.824141
BC051142_j1	0.223304	0.169693	-0.39608	0.724087	0.901852
BC051142_j5	0.261749	0.281846	0.106724	0.897932	0.967557
Notch4	0.332059	0.350953	0.0798399	0.776421	0.924432

IAP_j6	0.0479948	0.0420196	-0.191817	0.905333	1
Ager_j2	5.04001	4.67442	0	1	1
Ager_j7	0.540234	0.425497	0	1	1
Prnt1_j5	1.83627	1.86427	0.0218378	0.93995	0.981777
Dom3z	3.56295	4.08792	0.198294	0.267736	0.616423
Rdbp_j1	4.77766	4.76838	0	1	1
Rdbp_j2	2.56398	2.3919	0	1	1
XLOC_013989	0.484464	0.0512668	-3.24029	0.320355	0.66367
Ehmt2_j3	0.523912	0.271836	0	1	1
Vars_j1	0.160584	0	0	1	1
D17H6S56E-3_j3	0.337208	0.251933	0	1	1
D17H6S56E-3_j10	6.6582	4.12516	0	1	1
Ddah2_j5	0.359966	0.17499	0	1	1
Abhd16a_j1	0.245038	0 -1.79769e+308	0.0037147	0.0407099	
Ltb	0.304189	0.326364	0.101515	0.86222	0.956421
Atp6v1g2	39.5253	38.326	-0.0444511	0.637427	0.8596
Bat1a_j2	17.7999	23.2147	0	1	1
Bat1a_j3	24.6052	27.2133	0	1	1
H2-D1_j3	17.7598	19.8431	0.160023	0.160741	0.495357
Mdc1	1.19712	0.884805	0	1	1
Mdc1_j1	0.924902	1.1794	0	1	1
Gnl1_j2	0.194233	0.379014	0	1	1
Gm6034_j1	0.460555	0.0483958	0	1	1
3110082D06Rik_j1	0.119591	0.0736563	-0.699226	0.5417	1
Pla2g7_j5	0.716473	0.322211	0	1	1
Rcan2_j1	0.231393	0.162685	0	1	1
Clic5_j1	0.0643352	0.103586	0.687152	0.32688	1
Clic5_j3	0.106676	0.00354205	-4.9125	0.0829969	1
B230354K17Rik_j2	0.207585	0.193026	-0.104905	0.83044	0.945392
XLOC_014054	0.126935	0.0509243	-1.31766	0.479181	1
Aars2_j2	2.54915	2.72869	0.0981888	0.642955	0.862213
AK080425_j1	0.224977	0.0979959	-1.19898	0.28115	0.629634
AK080425_j2	0.162834	0.030324	-2.42487	0.154346	0.487404
Gtpbp2_j3	6.75335	7.97505	0	1	1
Gm88_j1	1.02814	0.63508	-0.695026	0.155339	0.488418
Zfp318_j1	0.768938	1.52497	0	1	1
Mea1	0.432841	0.452788	0.0650006	0.812826	0.938836
XLOC_014072	0.224524	0.171623	0	1	1
Trerf1_j1	0.161077	0 -1.79769e+308	2.01E-08	1.33E-06	
Mrps10	1.29602	1.35793	0	1	1
Tcfep_j2	0.0662386	0 -1.79769e+308	0.0791515	1	
Tcfep_j3	0.067895	0.0317574	-1.09621	0.61048	1
XLOC_014082	0.0901686	0.0236421	-1.93127	0.413698	1
Lrfn2_j2	2.896	2.45923	0	1	1
XLOC_014088	0.271152	0.093274	0	1	1
Kif6_j1	0.174366	0.207599	0.251682	0.73022	0.904705
XLOC_014093	0.186912	0.103027	-0.859332	0.494892	0.782608

Rab5a_j1	16.2485	16.2815	0	1	1
Kat2b_j2	0.433561	0.264378	-0.713629	0.205393	0.549744
XLOC_014098	0.14812	0.113789	-0.380401	0.543689	0.811058
Zfp959_j2	0.416948	0.525008	0.332471	0.501144	0.785318
Zfp959_j9	0.212309	0.123293	-0.784073	0.296279	0.643078
Ebi3	0.215003	0.165846	-0.374514	0.675289	0.877609
Shd_j2	1.67589	1.44252	-0.216331	0.494435	0.782504
Shd_j1	3.01524	2.80601	-0.103754	0.656451	0.868961
Mpnd_j4	0.875969	0.903611	0.0448216	0.826973	0.94428
Mpnd_j8	0.0498504	0 -1.79769e+308		0.0273982	1
Hdgfrp2	5.91226	5.81835	0	1	1
Kdm4b_j1	0.661249	0.518055	-0.352089	0.206415	0.550935
Kdm4b_j2	1.23584	1.24418	0.00970399	0.96022	0.988644
Safb_j2	0.689806	0.761041	0	1	1
Ndufa11_j2	91.0094	89.9231	-0.0173239	0.892569	0.966031
XLOC_014123	0.15916	0.263908	0.729558	0.233944	0.581359
Trip10_j2	1.28226	0.790899	0	1	1
Trip10	4.32337	3.25658	0	1	1
Trip10_j4	0.577412	0.0631466	0	1	1
Trip10_j7	0.0922132	0.0637231	0	1	1
Vav1_j3	0.120725	0.315823	1.3874	0.121012	0.433109
Cntnap5c_j8	0.136742	0 -1.79769e+308		0.0032966	1
Cntnap5c_j12	0.122615	0.106786	-0.199412	0.776303	1
Fert2_j2	0.308142	0.177534	0	1	1
Fert2_j3	0.292642	0.42906	0	1	1
Fert2_j1	0.153818	0.133277	0	1	1
Fert2_j8	0.296231	0.146216	0	1	1
Ppp4r1_j3	1.52565	0.0123587	0	1	1
Ppp4r1_j7	3.27782	2.6973	0	1	1
XLOC_014134	0.205938	0.161672	-0.34914	0.422593	0.738516
Ddx11_j3	0.0480748	0.112173	1.22237	0.154648	1
Ddx11_j5	0.165743	0 -1.79769e+308		3.62E-06	0.0001277
Ddx11_j9	0.176795	0.137045	-0.367426	0.606847	0.845177
XLOC_014140	0.0549333	0 -1.79769e+308		0.0121989	1
XLOC_014140	0.107921	0.000259809	-8.69831	0.769556	1
Lama1_j1	0.0605242	0 -1.79769e+308		8.84E-05	1
L3mbtl4_j8	0.257909	0.0526482	-2.2924	0.0287927	0.180641
XLOC_014144	0.186131	0.0906564	-1.03783	0.0581942	0.2832
Epb4.1l3_j1	22.8559	18.2017	0	1	1
Fam179a_j2	0.182713	0.0690628	-1.4036	0.110642	0.413936
Fam179a_j4	0.380302	0.227746	-0.739721	0.134887	0.457099
Clip4_j4	2.72867	1.62595	0	1	1
Clip4_j6	1.09445	0.831996	0	1	1
Lclat1	9.36409	8.96487	0	1	1
Ttc27_j2	1.31553	1.8453	0	1	1
Ltbp1_j8	0.0845775	0.000281333	0	1	1
Ltbp1_j11	0.114365	0.196338	0	1	1

Rasgrp3_j1	0.156394	0	-1.79769e+308	1.39E-05	0.0004098
Crim1_j2	0.0727556	0	-1.79769e+308	0.0018341	1
Fam82a1_j2	0.30414	0.000357716	-9.7317	0.667938	0.87439
Fam82a1_j9	1.87447	2.02462	0.11117	0.643531	0.862499
Gemin6	0.495068	0.66407	0.423708	0.456699	0.760049
Arhgef33_j1	0.129118	0.0804144	-0.683168	0.477152	1
Plekhh2_j3	0.0751833	0.000126103	-9.21966	0.792544	1
Prkce_j2	0.983307	0.244995	0	1	1
Rhoq_j2	0.109667	0	-1.79769e+308	0.0009871	1
Rhoq_j4	0.659868	1.78754	1.43772	7.25E-08	4.08E-06
Socs5_j1	1.02715	0.755631	-0.442888	0.120694	0.432701
XLOC_014203	0.0965701	0.0518875	-0.896189	0.505501	1
XLOC_014209	0.145607	0.0485962	-1.58316	0.457537	0.760484
Ston1_j5	0.0509513	0	0	1	1
Adcyap1_j2	1.44758	2.5819	0	1	1
Pisd-ps2_j7	1.8751	1.78038	-0.0747892	0.725425	0.902457
Pisd-ps2_j8	0.150727	0.0666902	-1.17639	0.163582	0.498858
Tfb1m_j4	1.16502	0	0	1	1
Serac1	1.13027	1.18496	0	1	1
BC049966_j8	0.0469822	0.0934711	0	1	1
BC049966_j7	0.704057	0.0264651	0	1	1
Tmem181c-ps_j1	1.08389	0	-1.79769e+308	2.07E-10	1.96E-08
AK178082_j2	4.95622	3.56321	-0.476065	0.105394	0.403245
Dynlt1e_j2	0.748292	0.551041	-0.441442	0.543002	0.810636
Ezr_j2	9.82534	12.3813	0	1	1
Fndc1_j6	0.0514609	0.0235083	-1.13031	0.40864	1
Pacrg_j2	5.14761	4.8868	-0.0750101	0.73328	0.905846
Map3k4_j1	1.46626	1.69054	0	1	1
Slc22a3_j2	0.0653542	0	-1.79769e+308	0.0135188	1
Slc22a3	0.289467	0.00310031	-6.54484	0.135407	0.45783
Igf2r_j2	0.332775	0.229292	0	1	1
Acat2_j2	0.176166	0.266615	0.597819	0.307809	0.652824
Wtap_j2	3.54652	4.30063	0	1	1
Wtap_j3	1.56158	1.65203	0	1	1
BC068229_j2	0.109661	0.10575	-0.0523886	0.949774	1
Wdr27_j1	0.120666	0.114839	-0.0714098	0.920941	1
AK004434	0.299613	0.375687	0	1	1
AK004434_j1	0.245854	0	0	1	1
Phf10_j2	2.43243	2.59328	0	1	1
Psemb1_j3	23.1624	29.864	0.366618	0.0245509	0.16231
Prdm9	0.228473	0.245114	0.101431	0.815455	0.939924
Prdm9_j9	0.061915	0	-1.79769e+308	0.0069296	1
Lnpep_j1	19.9467	16.8125	0	1	1
Gm4769_j1	1.20705	1.05275	-0.197312	0.476401	0.772093
Gm4769_j2	0.901507	1.04359	0.211143	0.42666	0.741282
Zfp40_j3	1.66265	1.95831	0	1	1
Zfp40_j5	1.46989	0.940868	0	1	1

Zfp213_j1	0.172737	0.307862	0.833705	0.0828114	0.350783
Mmp25_j4	0.82664	0.187269	0	1	1
Mmp25_j5	3.48148	2.5387	0	1	1
Thoc6_j4	0.220401	0.402272	0.868043	0.0432003	0.235866
AK047830_j4	0.0623694	0.0708058	0.183031	0.89845	1
Flywch1_j4	67.4128	73.1811	0	1	1
Pdpk1_j1	11.935	11.9093	0	1	1
Tbc1d24_j9	0.0598077	0 -1.79769e+308		0.0001983	1
Tbc1d24_j10	0.12296	0.208333	0.760703	0.0474153	0.250081
Tbc1d24_j11	0.0735471	0 -1.79769e+308		6.76E-06	1
1600002H07Rik_j1	1.97186	1.67839	-0.232478	0.366611	0.700205
Ccnf_j1	0.0438764	0.0716386	0.707293	0.462696	1
Abca17_j6	0.181192	0 -1.79769e+308		0.0002618	0.0047884
Dnase1l2_j1	0.292448	0.2319	-0.334678	0.682501	0.880856
E4f1_j10	2.58221	2.48592	-0.0548286	0.740701	0.909129
E4f1_j9	0.128863	0.135558	0.0730671	0.912936	1
E4f1_j8	0.505699	0.581711	0.202024	0.539913	0.808719
AK014798	9.75159	13.7023	0.490706	1.47E-05	0.0004315
Mlst8_j1	0.0941222	0.153586	0	1	1
Traf7	2.08925	2.07737	0	1	1
Traf7_j1	0.973312	0.599299	0	1	1
Tsc2	6.85062	6.09607	0	1	1
Tbl3_j4	0.528032	0.570138	0	1	1
Tbl3_j6	4.05445	5.28116	0	1	1
Mapk8ip3_j7	8.09598	8.11802	0	1	1
Mapk8ip3_j6	48.7842	46.566	0	1	1
Cramp1l_j4	1.87145	2.53364	0	1	1
Cramp1l_j5	1.7077	1.27262	0	1	1
Cramp1l_j2	1.72817	1.57489	0	1	1
Gnptg_j1	10.7442	10.5085	0	1	1
Chtf18_j3	0.0366698	0.0648111	0.821648	0.495795	1
Haghl	0.345592	0.637283	0.882863	0.0479591	0.251778
Haghl_j2	10.051	7.76937	-0.37147	0.0058459	0.0573395
Fam173a	15.5545	15.5806	0.00241691	0.985633	0.995707
Fam173a_j1	6.41577	6.08538	-0.0762754	0.546674	0.813153
Rhot2_j4	0.12276	0.0440411	-1.47892	0.0364678	1
Rhot2_j3	0.508804	0.678821	0.415922	0.0888671	0.365281
Wdr90_j9	0.0708553	0.0765554	0.111629	0.845958	1
Pdia2_j1	0.0974763	0 -1.79769e+308		0.0060566	1
Itfg3_j4	2.53399	2.49964	0	1	1
Itfg3_j2	0.0582145	0.0457642	0	1	1
Itfg3_j3	0.719809	0.670218	0	1	1
Bak1_j5	0.619616	0.428624	-0.53166	0.165616	0.502238
2900010M23Rik_j1	4.81556	5.43367	0	1	1
Lemd2_j1	5.4458	8.02987	0	1	1
Lemd2_j2	1.11373	1.27205	0	1	1
AK036033_j2	0.0393617	0.115637	1.55474	0.178985	1

AK036033_j4	0.0839653	0.144821	0.786405	0.322133	1
Nudt3_j8	0.369326	0.130155	0	1	1
Nudt3_j9	0.108877	0.0469284	0	1	1
Taf11	5.42282	5.42796	0	1	1
Fkbp5_j2	2.60558	2.74787	0.0767113	0.719692	0.899338
Slc26a8_j7	0.0996009	0 -1.79769e+308		0.0016186	1
Slc26a8_j6	0.125868	0.00929899	-3.75869	0.0884032	1
Slc26a8_j5	0.057981	0 -1.79769e+308		0.0199324	1
Slc26a8_j19	0.137203	0.0513832	-1.41694	0.232354	0.57939
Cpne5	0.937245	1.35123	0	1	1
XLOC_014368	0.45681	0.0758314	-2.59073	0.325637	0.668942
Mdga1_j5	2.28346	4.32074	0	1	1
Btbd9_j1	0.905407	0.413035	0	1	1
Wdr4	0.399119	0.50269	0	1	1
Cbs_j1	0.127801	0.0795709	-0.683588	0.371907	1
U2af1_j6	2.06259	1.87735	-0.135756	0.646112	0.863528
U2af1_j5	1.79647	2.22401	0.307995	0.258571	0.607374
Notch3_j8	0.138175	0.00416675	-5.05143	0.133073	0.454034
Brd4_j6	0.32617	0 -1.79769e+308		8.06E-12	1.01E-09
Akap8l_j7	4.14536	3.83365	-0.112778	0.381938	0.712127
Akap8l_j12	6.26357	5.27753	-0.247123	0.120844	0.432986
Wiz_j6	6.81671	7.17901	0.074709	0.590549	0.836658
Wiz_j7	1.57173	1.8965	0.270991	0.2033	0.547229
Wiz_j8	1.07158	0.883861	-0.277847	0.27473	0.623768
Wiz_j10	0.598955	0.539248	-0.151498	0.637339	0.85954
Zfp871	0.427124	0.33964	0	1	1
Zfp870_j4	1.00428	0.852229	-0.236842	0.409268	0.729612
Cyp4f13_j3	1.48288	1.16624	-0.346542	0.291555	0.638573
Cyp4f13_j6	1.08292	0.484449	-1.16051	0.0099403	0.0853084
Zfp101_j4	0.523219	0.285613	-0.873353	0.0966713	0.384045
Zfp101_j5	0.390223	0.0712686	-2.45296	0.01002	0.0856751
Rab11b_j1	1.08076	0.83883	-0.365591	0.0555225	0.27529
Rab11b_j4	0.381139	0.238655	-0.675393	0.0468388	0.24825
Rab11b_j3	0.344709	0.391656	0.184209	0.534593	0.805759
Angptl4_j1	0.907287	0.214003	-2.08393	0.0079645	0.0722989
Rps18_j1	1.98998	1.54784	0	1	1
Ring1_j2	4.36066	5.19927	0	1	1
Ring1_j3	4.73922	5.12069	0	1	1
H2-Ke6_j5	20.9312	24.0338	0.199413	0.0481461	0.252487
Brd2_j1	0.700524	0.0588926	0	1	1
Btnl5	0.14921	0.114256	-0.385072	0.547985	0.813959
Btnl6_j5	0.0498902	0.0534737	0.100073	0.928914	1
Btnl6_j3	0.0744027	0 -1.79769e+308		0.0040299	1
Btnl6_j4	0.105661	0 -1.79769e+308		0.0005807	1
Egfl8_j3	0.186868	0.219397	0.23153	0.517708	0.795965
C4a_j2	3.80572	4.8364	0	1	1
Stk19_j2	2.50718	2.20307	0	1	1

Skiv2l_j8	1.14962	1.41077	0	1	1
Skiv2l	6.50105	5.8854	0	1	1
D17H6S56E-5	0.494476	0.633491	0.357423	0.255794	0.604561
Msh5_j1	0.115336	0.0476422	-1.27553	0.323447	1
Ly6g6d_j1	0.138309	7.22E-05	-10.9033	0.980899	0.994152
Prrc2a_j3	1.49746	1.62589	0	1	1
Prrc2a_j5	0.115317	0	0	1	1
Prrc2a_j4	0.22624	0.12598	0	1	1
Aif1_j2	0.124131	0.159802	0.364421	0.708374	0.893803
Lst1	0.761784	1.41006	0.888298	0.0183952	0.133078
Ddr1_j6	2.65501	3.68284	0	1	1
2310061I04Rik_j1	41.7675	38.5952	0	1	1
2310061I04Rik	7.06808	6.18291	0	1	1
Atat1_j4	0.508287	0.505905	0	1	1
Atat1_j6	1.66424	1.40039	0	1	1
Atat1_j5	0	0.385693	0	1	1
Mrps18b	10.7276	12.053	0	1	1
H2-T9_j3	2.58755	2.86123	0	1	1
H2-T10_j1	4.62973	4.95023	0	1	1
Trim39_j1	1.32574	1.6711	0	1	1
Trim39_j2	2.95637	3.14661	0	1	1
H2-M1_j3	0.119993	0 -1.79769e+308	0.0384396		1
Ppp1r11_j5	0.237104	13.6923	0	1	1
H2-M5_j2	0.118604	0.0917879	-0.36978	0.680493	1
Cd2ap_j5	0.206688	0.000271664	-9.57142	0.51937	0.797033
AK132380	0.0902437	0.0541614	-0.736562	0.572107	1
XLOC_014477	0.111318	0.0311495	-1.8374	0.293691	1
Slc25a27_j3	4.42277	4.10058	-0.109123	0.450257	0.756025
Enpp4_j2	2.91386	3.99544	0	1	1
Cdc5l_j6	0.432699	0.530742	0.294645	0.515687	0.794419
Cdc5l_j5	0.355883	0.146025	-1.28519	0.0919398	0.372879
Spats1_j1	0.295326	0.156713	-0.914178	0.0461768	0.246295
Tmem151b_j3	8.4469	5.88546	0	1	1
Slc29a1_j1	0.638549	0.000926519	-9.42876	0.724483	0.901947
Slc29a1_j4	0.289078	0.173174	-0.739235	0.346454	0.685483
Slc29a1	1.85544	0 -1.79769e+308	5.46E-20	1.53E-17	
Gm7325	0.186936	0.177969	-0.0709176	0.948448	0.985052
Capn11_j1	0.140852	0 -1.79769e+308	0.0286673	0.180203	
Capn11_j4	0.0710776	0.011775	-2.59367	0.174611	1
Tmem63b_j1	0.112774	0.014635	0	1	1
Vegfa	4.24546	3.43361	0	1	1
Abcc10_j4	0.679568	0.565089	-0.266139	0.285941	0.63471
Klc4	1.4455	1.54514	0	1	1
Cnpy3_j1	1.20631	1.03065	-0.227047	0.275155	0.624239
Cnpy3_j2	1.92961	1.70393	-0.179439	0.539219	0.808383
Ubr2_j1	0.499487	0.0807606	0	1	1
Prickle4_j1	10.4098	9.38948	-0.14882	0.211221	0.555994

Foxp4_j1	0.249604	0.0360908	0	1	1
Nfya_j3	0.93928	1.38984	0	1	1
XLOC_014524	0.336221	0.204613	0	1	1
Rftn1_j1	0.113464	0 -1.79769e+308	0.0010123		1
Satb1	4.72791	4.1462	0	1	1
Pot1b_j6	0.259293	0.464135	0.839959	0.131259	0.451034
Pot1b_j1	0.167757	0.166137	-0.0139985	0.982453	0.994652
Pot1b_j2	0.069721	0 -1.79769e+308	0.0077008		1
Zfp119_j4	0.31962	0.208303	-0.617674	0.486532	0.777676
Zfp119b_j1	0.410637	0 -1.79769e+308	7.51E-07		3.25E-05
Stap2_j2	0.202597	0.0901652	-1.16797	0.231804	0.57883
Stap2_j1	0.250727	0.230182	-0.123346	0.844155	0.950736
Dpp9_j3	1.63825	1.33417	0	1	1
Dpp9	6.15935	6.27675	0	1	1
Safb2_j2	0.940032	0.885787	0	1	1
Rfx2_j1	0.142304	0.027601	-2.36618	0.0543522	0.271922
Khsrp_j5	5.92928	6.10767	0	1	1
Khsrp	8.87923	9.33587	0	1	1
Slc25a23_j1	5.27472	5.40298	0	1	1
Dennd1c_j9	0.104579	0.0756761	-0.466689	0.744315	1
C3_j3	0.188185	0.309571	0.718121	1	1
Gpr108_j3	0.213592	0.112578	0	1	1
Efna5_j2	0.0942154	0	0	1	1
Rab31_j1	0.379731	0	0	1	1
Ankrd12_j3	0.225179	0.177188	-0.345793	0.64695	0.863936
XLOC_014584	0.154892	0.0439104	-1.81863	0.0198046	0.13987
1110012J17Rik_j1	0.206313	0 -1.79769e+308	2.15E-08		1.40E-06
Ptprm_j3	3.6199	1.70846	0	1	1
Ptprm_j4	0.245374	0	0	1	1
Arhgap28_j3	3.13461	3.62427	0	1	1
Arhgap28_j5	0.102037	0	0	1	1
XLOC_014592	0.221453	0 -1.79769e+308	0.0197857		0.139811
Tgif1_j1	0.239453	0.112501	-1.0898	0.239988	0.587388
Emilin2_j1	0.0926633	0 -1.79769e+308	0.0353168		1
Smchd1_j1	2.6605	2.35439	0	1	1
Ndc80_j1	0.0708719	0 -1.79769e+308	0.0254919		1
Alk_j5	0.0543224	0 -1.79769e+308	0.0293447		1
Galnt14_j1	1.60558	0.814657	-0.978827	2.95E-06	0.0001074
Galnt14_j2	0.603494	1.20258	0.994719	3.67E-06	0.0001293
Galnt14_j4	10.0526	8.34583	-0.268448	0.120827	0.432986
Memo1_j10	1.89731	4.53282	0	1	1
Memo1_j5	13.0476	14.1184	0	1	1
Atl2_j1	0.454931	0.0373009	-3.60836	0.0009335	0.0135263
Hnrpl_j2	10.0592	10.2905	0.0327912	0.825497	0.943705
Map4k3_j9	0.100789	0	0	1	1
Map4k3_j10	0.0763985	0	0	1	1
Thumpd2_j4	0.2916	0.178252	-0.710073	0.288576	0.636306

XLOC_014635	0.0771614	0.163056	1.07942	0.100061	0.391665
XLOC_014637	0.219652	0.139028	0	1	1
XLOC_014639	0.101384	0 -1.79769e+308		0.0265904	1
XLOC_014639	0.20423	0.137489	-0.570872	0.251958	0.599992
Kcng3_j1	1.70213	1.42769	0	1	1
Lrpprc_j4	0.0957151	0.00680738	0	1	1
Lrpprc_j5	3.58542	0	0	1	1
Srbd1_j2	0.606002	0 -1.79769e+308		4.11E-08	2.48E-06
Calm2_j1	442.885	393.998	-0.168743	0.059947	0.288253
Fbxo11	1.28027	1.21314	0	1	1
Fbxo11_j1	0.662177	0.523239	0	1	1
Lhcgr	0.996483	0.846229	-0.235797	0.207916	0.552233
Lhcgr_j4	0.285893	0.118289	-1.27317	0.0119687	0.0980041
Nrxn1_j6	1.0522	0.20582	0	1	1
Nrxn1_j5	0.248182	0.419253	0	1	1
XLOC_014665	0.248002	0.325058	0.390344	0.595969	0.839157
2610044015Rik_j1	7.20299	4.63019	0	1	1
Scaf8_j6	0.0204741	1.10033	0	1	1
Scaf8_j8	1.54183	1.05911	0	1	1
XLOC_013763	0.154864	0.0914164	-0.760473	0.469236	0.767424
Zdhhc14_j3	0	0.308339 1.79769e+308		0.11875	0.428794
Snx9_j2	0	1.02949	0	1	1
Synj2_j2	0.19561	0.207792	0	1	1
Synj2	0.227489	0.155485	0	1	1
Synj2_j5	3.21434	2.39375	0	1	1
Tulp4_j4	3.56723	3.53977	-0.0111504	0.924817	0.976561
AK178082_j1	0	1.01701	0	1	1
Sft2d1_j1	7.08682	7.37685	0.0578679	0.821751	0.94254
Sft2d1_j4	0.000682153	0.0489695	6.16565	0.435107	1
T2_j2	0.420169	0.422097	0.00660316	0.9813	0.994152
1700010I14Rik_j2	0.0809901	0.100515	0.311597	0.787358	1
1700010I14Rik_j1	1.77E-05	0.0970222	12.4194	0.981525	1
Airn_j2	0.0358523	0.105825	0	1	1
Tcp10a_j3	0.0799338	0.0130052	-2.61972	0.600511	1
Mllt4_j4	0.224515	0.320164	0	1	1
Mllt4	0.152678	0.517626	0	1	1
Chd1_j2	0.0341523	0.0648249	0	1	1
Chd1_j1	0	0.0530824	0	1	1
Zfp960_j1	2.46971	2.38206	-0.0521309	0.768618	0.921133
Lix1_j2	0.706419	0.978399	0	1	1
Lix1_j7	0.887433	1.02773	0	1	1
4930546H06Rik_j4	0.589948	0.902533	0.613392	0.0575025	0.280989
Fpr2	0.207246	0.235765	0.186008	0.740668	0.909129
Ppp2r1a_j3	0.199648	0.159037	0	1	1
Zfp54_j1	0.181649	0.302931	0.737834	0.219616	0.566166
Zfp51_j1	0.845527	1.0412	0.300318	0.304264	0.64997
Zfp760_j4	0.326171	0.357285	0	1	1

Zfp760_j2	0.541916	0.874096	0	1	1
Zfp229	1.5331	1.34028	0	1	1
XLOC_013842	0	0.0912239	1.79769e+308	0.0049732	1
Srrm2_j6	9.27467	8.23061	0	1	1
Srrm2_j8	7.85857	8.14931	0	1	1
Abca3	33.7985	36.4437	0.10871	0.205268	0.549648
Rnps1_j3	1.79261	2.51877	0.490658	0.156105	0.489534
Rnps1_j7	3.19336	2.33272	-0.453063	0.0665812	0.308319
Rnps1_j9	0.567007	0.895629	0.659536	0.109138	0.41099
mKIAA1306_j3	0.21731	0.202344	0	1	1
Pkd1_j2	0.507313	0.372303	0	1	1
Pkd1_j6	1.25775	1.16262	0	1	1
Hagh_j1	0.27538	1.57795	0	1	1
Ift140_j1	3.15957	3.10493	0	1	1
Ift140_j2	0.000387156	0.263381	0	1	1
Clcn7_j3	1.46572	2.09713	0.516808	0.0335541	0.200203
Unkl_j5	0.0514412	0.0639432	0	1	1
Lmf1_j2	4.09187	4.18711	0	1	1
Rpusd1	0.914124	1.59533	0	1	1
Rpusd1_j3	0.175699	0.182807	0	1	1
Mslnl_j5	0.0280054	0.117903	2.07382	0.115533	1
A930001N09Rik_j5	1.57037	1.72352	0	1	1
Kifc5b	0.118369	0.116031	-0.0287742	0.971887	1
XLOC_013900	0	0.0645333	0	1	1
XLOC_013900	0.286885	0.521479	0	1	1
Hmga1_j1	2.31826	1.95968	-0.242424	0.158787	0.49326
Pacsin1	0.784297	0.695232	0	1	1
Snrpc_j1	0.249528	0.331214	0.408563	0.640153	0.860857
Snrpc_j4	7.67668	7.70064	0.00449673	0.981762	0.994414
Anks1_j4	0.239962	0.428295	0	1	1
Scube3_j5	0.0371632	0.0547032	0.557749	0.719839	1
XLOC_013911	0.12988	0.21145	0.70313	0.283262	0.631732
Zfp523_j4	0.358809	0.157012	-1.19234	0.0742658	0.328543
Kctd20	2.04757	11.1206	0	1	1
Sfrs3_j5	0.0900405	0.0229972	-1.96911	0.261827	1
Pi16_j1	0.0311693	0.110802	1.82979	0.196998	1
Pim1_j1	3.02168	3.15531	0.0624272	0.787989	0.929394
Tbc1d22b_j1	0.913078	1.83614	1.00787	3.57E-05	0.0008952
Ftsjd2_j1	1.95808	2.26844	0.212259	0.225767	0.572899
Zfand3	10.0465	10.2208	0.0248113	0.869174	0.958391
Dnahc8_j1	0.106363	0.122805	0.207375	0.828808	1
Pde9a_j3	0	0.115079	1.79769e+308	0.0370404	1
Pknox1_j2	0	0.261128	0	1	1
Cyp4f16_j2	2.61575	3.88975	0	1	1
Cyp4f16_j6	0.466181	0.936078	0	1	1
Cyp4f15_j2	0.0901706	0.122225	0.43881	0.619496	1
XLOC_013948	0.184885	0.16945	-0.125767	0.825044	0.943635

C920016K16Rik_j3	0.753967	1.43177	0	1	1
Myo1f_j1	0	0.0676258	1.79769e+308	0.0289766	1
Pram1_j9	0.0733035	0.065282	-0.167197	0.859589	1
Daxx_j1	5.84237	6.93655	0.247663	0.0696543	0.316592
Rgl2_j6	0.186086	0.305026	0.712958	0.048845	0.254618
Vps52_j4	5.56765	7.20495	0	1	1
XLOC_013965	0.0940274	0.106788	0.183599	0.865262	1
H2-DMb2_j4	0.492874	1.26282	1.35735	0.022157	0.151259
BC051142_j2	0.000124485	0.100668	9.65942	0.968119	1
BC051142_j7	0.115472	0.158594	0.457799	0.711769	0.895383
BC051142_j6	0.230709	0.104181	-1.14699	0.341391	0.681341
Tnxb_j2	0.137032	0.198958	0.537951	0.276901	0.625956
Tnxb_j8	0.0360074	0.117503	1.70633	0.0079681	1
Zbtb12_j1	0.0895111	0.220515	1.30074	0.0910089	0.370955
Ehmt2_j6	9.13227	10.83	0	1	1
Vars_j5	0.39194	0.408791	0	1	1
Vars_j7	0.91243	0.839102	0	1	1
Vars_j8	0.524405	0.607028	0	1	1
Clic1_j3	1.08077	1.31123	0	1	1
Bat3	0.0351505	0.146961	0	1	1
Bat3_j4	0.785957	0.518068	0	1	1
Bat3_j11	0.206282	0.202325	0	1	1
Ltb_j1	3.31E-06	0.111497	15.0399	0.998331	1
Atp6v1g2_j4	12.3768	11.5416	-0.100797	0.496104	0.783139
Bat1a	0.543123	0.767025	0	1	1
Bat1a_j5	33.6855	40.455	0	1	1
H2-D1_j1	51.1497	48.0964	-0.0887959	0.327831	0.670398
Cchcr1_j3	0.604069	0.999535	0.726545	0.185019	0.525182
Ppp1r10_j1	1.81298	1.59029	0	1	1
Gnl1_j1	28.4682	26.7022	0	1	1
Trim10_j1	0.0179058	0.0815223	2.18677	0.195955	1
Trim10	0.0851778	0.152663	0.841806	0.310052	1
H2-M3_j1	0.418145	0.353371	-0.242822	0.705484	0.892269
Gm7148	1.09138	1.01541	-0.104088	0.765201	0.919656
Tnfrsf21_j1	64.5139	72.6155	0.170667	0.0487522	0.254425
Gpr116_j2	0.114306	0.123316	0	1	1
Pla2g7_j2	37.9303	32.8298	0	1	1
Enpp5_j3	7.99938	4.61231	-0.794399	6.84E-05	0.0015559
XLOC_014065	0.333553	0.285658	-0.223629	0.475511	0.771421
Crip3_j9	0.0533297	0.180108	1.75585	0.167824	0.504404
Mrpl2_j1	0.770384	0.612937	0	1	1
Mrpl2_j2	6.74471	7.11887	0	1	1
Mea1_j1	49.871	55.947	0.165859	0.168241	0.50494
Pex6_j1	0.0991973	0.322081	0	1	1
Trerf1_j10	0.200877	0.294135	0.550166	0.209437	0.553781
Mrps10_j3	2.15436	2.62064	0	1	1
Usp49_j1	0.987064	0.899825	0	1	1

Lrfn2_j1	0	0.31212	0	1	1
Mocs1	2.5358	2.64097	0	1	1
St6gal2_j2	0.219736	0.271692	0	1	1
St6gal2_j3	0.250948	0.207511	0	1	1
St6gal2_j4	1.22407	0.656981	0	1	1
Zfp959_j8	0.198566	0.370899	0.90141	0.163986	0.499725
Ebi3_j1	0	0.198899	1.79769e+308	0.0519005	0.264297
Ebi3_j2	0.0531258	0.261379	2.29866	0.149883	0.47962
Mpnd_j7	47.7708	52.1129	0.12551	0.317371	0.660736
Hdgfrp2_j1	0.67017	0.644059	0	1	1
Safb_j4	9.68614	12.022	0	1	1
Tmem146_j7	0.048402	0.0702929	0.538311	0.773103	1
Ranbp3_j1	0	1.44278	0	1	1
Ranbp3_j4	5.05703	5.13108	0	1	1
Ndufa11_j1	7.32575	6.30006	-0.21761	0.112101	0.416662
Dus3l_j2	2.46151	1.82427	0	1	1
Dus3l_j8	6.4755	7.04068	0	1	1
Dus3l_j9	0.330395	0.239705	0	1	1
Crb3	0.0664926	0.194928	1.55167	0.289434	0.63691
Trip10_j6	5.34906	5.09497	0	1	1
Emr1_j1	0.0348301	0.236491	2.76338	0.0087322	0.0774643
Cntnap5c_j5	0	0.0774146	1.79769e+308	0.0227681	1
Cntnap5c_j7	0	0.0559889	1.79769e+308	0.0157128	1
Cntnap5c_j13	0.0368552	0.06419	0.800481	0.467945	1
Fert2_j4	1.4267	1.30647	0	1	1
XLOC_014132	0.098278	0.0952802	0	1	1
Man2a1_j2	0	0.0483114	1.79769e+308	0.0727332	1
Ppp4r1_j4	1.45943	1.27106	0	1	1
Ppp4r1_j8	0.00345276	3.79853	0	1	1
XLOC_014135	0.064987	0.122162	0.910573	0.46369	1
Ddx11_j7	0.053762	0.0604109	0.168222	0.882784	1
Lama1_j3	0	0.0472673	1.79769e+308	0.0118182	1
Lama1_j6	0.566302	0.809705	0.515825	0.308137	0.653037
L3mbtl4_j13	0.818762	0.643631	-0.34721	0.255594	0.604282
L3mbtl4_j15	0	0.11088	1.79769e+308	0.0059779	1
Epb4.1l3_j10	18.945	11.627	0	1	1
Dlgap1_j1	0.526919	1.12706	0	1	1
Myom1_j6	0.427123	0.608905	0.511566	0.389795	0.716874
Fam179a_j5	0	0.0959562	1.79769e+308	0.0166602	1
Fam179a_j7	0.036619	0.114808	1.64856	0.146129	1
Fam179a_j12	0.816976	0.93765	0.198755	0.625777	0.853992
Clip4_j7	1.82229	2.2164	0	1	1
Ypel5_j1	11.9333	20.0075	0	1	1
Birc6_j3	0.467745	0.433091	-0.111052	0.600852	0.841981
Birc6_j9	0.155133	0.125665	-0.303923	0.465034	0.764951
Ltbp1_j4	0.126374	0.170097	0	1	1
Ltbp1_j3	0	0.0726296	0	1	1

Fam82a1_j7	1.22395	1.18781	-0.0432416	0.888904	0.964761
Galm_j4	0.119813	0.374044	1.64243	0.0645056	0.301833
Tmem178_j1	0.371501	0.6019	0.696157	0.205181	0.549561
Eml4_j1	0.915796	0.586088	0	1	1
Eml4_j6	0	0.509589	0	1	1
XLOC_014190	0.100255	0.0925462	0	1	1
Plekhh2_j1	0.0334136	0.0934807	1.48423	0.300731	1
Plekhh2_j7	0.176254	0.33057	0.907301	0.0616104	0.293328
Dync2li1_j1	0	0.137494	1.79769e+308	0.0702653	1
1700106N22Rik_j1	0.687616	0.253246	-1.44106	0.0979424	0.386815
Prkce_j3	30.4961	27.4828	0	1	1
Prkce_j5	19.9538	18.1222	0	1	1
1700090G07Rik_j1	0.0318568	0.156152	2.29328	0.115814	1
Rhoq_j1	0.305251	0.725509	1.249	0.0009161	0.0133291
Rhoq_j5	0	0.127322	1.79769e+308	0.014054	1
Ttc7_j4	0.220736	0.481306	1.12464	0.0452785	0.243556
Msh2_j2	1.77181	3.14808	0.829249	0.0024411	0.0292844
XLOC_014209	0.0529551	0.113077	1.09446	0.335905	1
Foxn2_j1	0	0.25102	1.79769e+308	3.84E-05	0.0009527
XLOC_014214	0.051226	0.0987952	0	1	1
Serac1_j4	0.120973	0.196224	0	1	1
Tmem181c-ps_j2	7.02588	6.62193	-0.0854266	0.67446	0.877215
Rnaset2a	10.4278	12.352	0.24431	0.102069	0.395903
Qk	6.75533	6.88852	0	1	1
Map3k4_j5	0.168319	0.0681865	0	1	1
Slc22a3_j5	3.03E-05	0.0671415	11.1132	0.97091	1
Pnlcd1_j1	0.0784719	0.103699	0.402161	0.722349	1
BC068229_j3	0.406628	0.413155	0.0229755	0.934903	0.980088
Tcte2_j1	0.0965517	0.0878666	-0.135988	0.910617	1
Wdr27_j3	0.0967944	0.0602678	-0.683535	0.605197	1
Lnpep_j3	3.48906	2.93752	0	1	1
XLOC_014287	0.418031	0.487668	0	1	1
XLOC_014288	0.157767	0.121057	-0.382108	0.538444	0.807898
Zfp13_j2	1.09849	0.806266	-0.446191	0.130244	0.449289
Thoc6_j2	5.17381	8.78733	0.764198	1.30E-10	1.30E-08
Flywch1_j6	0.357529	1.01014	0	1	1
Flywch1_j5	6.63111	5.69876	0	1	1
Abca17_j4	0.0604178	0.0957318	0.664024	0.402172	1
Abca17_j7	0	0.0585196	1.79769e+308	0.04561	1
D330041H03Rik_j1	0.0419347	0.0654887	0.643101	0.497972	1
Tsc2_j6	0.776899	0.893177	0	1	1
Tsc2_j5	2.36906	1.90016	0	1	1
Mapk8ip3_j3	0.890118	1.08874	0	1	1
Mapk8ip3	11.0931	9.77981	0	1	1
Ube2i_j7	0.795344	0.942604	0.245073	0.320855	0.664068
Cacna1h_j1	0	0.215678	0	1	1
Cacna1h_j2	0.400613	0.540847	0	1	1

Sox8_j3	0.0185271	0.0788991	2.09037	0.180333	1
Chtf18_j1	0.586263	0.52732	-0.152869	0.606703	0.845067
Rhot2_j2	0.755913	0.607787	-0.314655	0.211125	0.555924
Wdr90_j13	0.198125	0.131444	-0.591958	0.638073	0.859943
Rab40C_j2	5.5778	6.78183	0	1	1
Pigq_j3	0	0.142821	0	1	1
Solh_j3	0.113931	0.07855	0	1	1
Solh_j1	0.000723662	0.229764	0	1	1
Rab11fip3_j2	13.089	12.4997	0	1	1
Decr2_j4	0	0.100466	1.79769e+308	0.040529	1
Pdia2_j7	0.0933828	0.221233	1.24434	0.0424111	0.232786
Cuta_j2	9.92849	13.0712	0	1	1
Lemd2_j4	0.165337	0.0418586	0	1	1
Grm4_j3	3.96956	3.28483	0	1	1
Nudt3_j7	18.8187	17.0576	0	1	1
D17Wsu92e_j2	3.70031	4.55511	0	1	1
Tcp11_j2	16.7962	18.3677	0.129031	0.299315	0.646197
Tead3_j2	0.0270917	0.0616587	1.18645	0.464835	1
Tead3	0.222981	0.335391	0.588925	0.115332	0.422397
Stk38_j4	0	0.51553	0	1	1
Stk38_j6	0	0.101529	0	1	1
Stk38_j5	0.813524	1.04216	0	1	1
Cpne5_j4	0.572506	0.321567	0	1	1
Cpne5_j5	0.143537	0.476815	0	1	1
Mdga1_j1	0.343507	1.09817	0	1	1
Btbd9_j8	0.000313361	1.53064	0	1	1
Glo1_j3	0.233548	0.536446	1.19971	0.349038	0.687
Wdr4_j2	1.9677	1.68498	0	1	1
Wdr4_j1	0.0885956	0	0	1	1
Notch3_j9	0.179145	0.265155	0.565712	0.200202	0.543468
Ephx3	0.123329	0.207347	0.749534	0.302438	0.648474
Akap8l_j4	2.33133	1.28098	-0.86391	5.37E-06	0.0001801
Akap8l_j3	0.348481	0.444556	0.351283	0.241158	0.588276
Wiz_j3	0.360615	0.377935	0.0676778	0.868042	0.958223
Wiz_j11	0.368147	0.28729	-0.357776	0.376906	0.70877
Wiz_j5	0.769402	0.858504	0.158088	0.584067	0.833298
Rasal3_j1	0	0.102203	1.79769e+308	0.0258063	1
Rasal3_j2	0	0.151322	1.79769e+308	0.0006902	1
Zfp871_j1	0.0731105	0.119865	0	1	1
Zfp870_j1	0.205949	0.221634	0.105891	0.876438	0.960747
Cyp4f13_j5	0.451636	0.417401	-0.113726	0.830225	0.945345
Zfp81_j3	0	0.240968	0	1	1
Zfp81_j4	0	0.0542823	0	1	1
Zfp101_j6	0	0.331333	1.79769e+308	0.0004089	0.0068925
AK136742_j1	0.0565193	0.109349	0.952123	0.457128	1
Brd2_j3	4.207	4.34576	0	1	1
Brd2_j4	1.55086	2.05212	0	1	1

Btln6_j1	0.0762933	0.12068	0.661557	0.525427	1
Ppt2_j2	0.94003	1.10655	0.235294	0.467826	0.766747
C4a_j1	3.79901	5.6343	0	1	1
C4b_j2	1.78793	3.24951	0	1	1
C4b_j3	1.28241	2.42124	0	1	1
Skiv2l_j5	0.112533	0.065583	0	1	1
Skiv2l_j10	0.379059	0.290001	0	1	1
1110038B12Rik_j1	10.0429	14.8508	0.564368	0.0114094	0.0945204
Msh5_j2	0.0217879	0.118125	2.43871	0.29034	1
Msh5_j3	0.0351904	0.106797	1.60162	0.197743	1
Prrc2a	6.59637	7.93935	0	1	1
Vars2_j3	1.76008	1.85127	0.0728788	0.762925	0.918329
Vars2_j4	0.0508845	0.183894	1.85357	0.0030183	0.0345818
Vars2_j9	0.330691	0.254661	-0.376906	0.408505	0.728813
Abcf1_j3	0	0.573623	1.79769e+308	8.28E-07	3.52E-05
Prr3_j3	1.22983	2.2048	0	1	1
H2-T23_j2	2.30367	3.26404	0	1	1
H2-T22	3.91567	3.77595	0	1	1
H2-M1_j6	0.0309237	0.121732	1.97692	0.453436	1
H2-M1_j7	0.0532316	0.153133	1.52443	0.149949	1
Ppp1r11_j1	0.351572	0.348353	0	1	1
H2-M5_j1	0.145617	0.21635	0.571195	0.235558	0.582812
XLOC_014477	0.0226585	0.0846661	1.90173	0.22398	1
Tdrd6	0.0111859	0.0752164	0	1	1
Slc25a27_j4	0.364147	0.279158	-0.383442	0.401969	0.725142
Cdc5l_j1	0.270575	0.310506	0.198595	0.747167	0.911904
Cdc5l_j9	0.107934	0.0757681	-0.510483	0.695117	1
Slc29a1_j12	4.82119	5.0018	0.0530566	0.870347	0.958722
Slc29a1_j11	0	1.09631	1.79769e+308	3.62E-07	1.67E-05
Slc29a1_j13	0	0.307998	1.79769e+308	0.0034275	0.0382719
Slc29a1_j14	0.240487	0.246653	0.036525	0.955514	0.987197
Slc29a1	0.578866	0.489482	-0.241974	0.601814	0.842478
Capn11_j6	0.030952	0.109594	1.82407	0.369877	1
Capn11_j7	0.148819	0.0945253	-0.654787	0.382106	0.712223
Tmem63b_j8	42.8531	36.6025	0	1	1
Tjap1_j10	1.28978	1.06426	0	1	1
Tjap1_j9	0.00929526	0.634341	0	1	1
Tjap1_j8	0.839481	0.828542	0	1	1
Ttbk1_j7	2.18016	1.76131	0	1	1
Ttbk1_j8	8.6755	7.84948	0	1	1
Cul9_j4	0.452314	1.13945	0	1	1
Klhdc3_j8	1.70616	1.42603	-0.258753	0.428191	0.742116
Ptcra_j4	0.0236447	0.0493578	1.06176	0.673165	1
Ptcra_j3	1.30434	2.21422	0.763474	0.020917	0.145317
Ubr2_j2	1.61391	1.45266	0	1	1
Prickle4_j2	0.603301	0.732893	0.280724	0.369172	0.702462
Foxp4_j7	0.500794	0.512004	0	1	1

Daam2_j8	0.000204596	0.598546	0	1	1
Daam2_j9	0.0926169	0.273993	0	1	1
Satb1_j4	0.0527505	1.02085	0	1	1
Slc5a7_j1	0	0.0662412 1.79769e+308	0.0253663		1
Pot1b_j3	0.0911972	0.308066	1.75618	0.004327	0.0455597
Zfp119_j3	1.06885	1.09851	0.039485	0.878511	0.961135
Zfp119b	0.137947	0.305123	1.14527	0.0713337	0.321081
Sema6b_j1	0	0.262929 1.79769e+308	8.44E-05		0.0018559
Ptprs_j3	3.84687	4.05458	0	1	1
Ptprs_j4	0.1159	0.299945	0	1	1
Ptprs_j5	9.21014	5.26452	0	1	1
XLOC_014550	0	0.070868 1.79769e+308	0.0024251		1
Safb2	0.774308	0.840218	0	1	1
Lonp1_j2	12.7281	14.1949	0	1	1
Rfx2_j6	0.04121	0.121475	1.55959	0.253576	1
Rfx2_j7	0	0.0617976 1.79769e+308	0.071355		1
Slc25a23_j5	2.71681	2.44007	0	1	1
Slc25a23_j3	0.331111	0.151594	0	1	1
Gm11110_j1	0.108609	0.0680833	-0.673778	0.612839	1
C3	0.264736	0.435503	0.718129	0.0170737	0.126115
Gpr108_j2	1.25713	0.792121	0	1	1
Efna5_j4	0	1.79735	0	1	1
Vapa_j5	1.50961	2.1765	0	1	1
1110012J17Rik_j3	14.2585	14.0848	-0.0176763	0.851322	0.952833
Ptprm_j5	0.617056	0.990425	0	1	1
Arhgap28_j7	0.390794	0.125525	0	1	1
Arhgap28_j8	0.432309	0.5689	0	1	1
Emilin2_j2	0.0602292	0.0867093	0.525723	0.568403	1
Ndc80	0.0556647	0.144715	1.37838	0.124953	1
XLOC_014604	0.0133282	0.161824	3.60188	0.0924062	0.37398
XLOC_014605	0.113983	0.191614	0.749383	0.333429	0.674429
Galnt14_j3	6.6651	4.09713	-0.702014	0.001675	0.0216617
Xdh_j3	0.634789	1.67423	0	1	1
Memo1_j4	5.67682	5.90274	0	1	1
Eif2ak2_j4	0.770061	1.4185	0.881324	2.66E-05	0.0006995
Cebpz_j2	5.73445	6.88154	0.263077	0.0381196	0.216951
Dhx57_j7	1.03604	3.91394	0	1	1
Dhx57_j8	3.126	5.70782	0	1	1
Cdkl4_j4	0.367607	0.193138	-0.928528	0.112161	0.416787
Map4k3_j1	4.52624	4.00489	0	1	1
Map4k3_j2	0	1.08274	0	1	1
Thumpd2_j1	0	0.0830875 1.79769e+308	0.0105851		1
Slc8a1_j3	2.32E-05	0.127878	12.4302	0.953374	1
Slc8a1_j4	0.133268	0.143892	0.110657	0.824519	1
Kcng3_j2	2.31868	1.63585	0	1	1
Thada_j1	1.34022	1.2106	-0.146757	0.290099	0.637464
Lrpprc_j2	9.17994	9.66602	0	1	1

Prepl_j1	28.1247	31.9301	0	1	1
Srbd1_j1	0	0.695482	1.79769e+308	2.58E-05	0.0006819
XLOC_014662	0.0440414	0.251966	2.5163	0.112915	0.418262
Nrxn1_j8	5.97774	8.53391	0	1	1
Nrxn1	1.2923	0.899808	0	1	1
2610044O15Rik_j1	0.00357391	2.03474	0	1	1
2610044O15Rik_j2	0.653121	0.491398	-0.41046	0.528126	0.801964
2610044O15Rik_j3	0.759497	1.06734	0.490899	0.170125	0.507178
Scaf8_j9	1.01385	1.61728	0	1	1
Tiam2_j1	0.302525	0.223694	0	1	1
Tiam2_j3	0.896936	0.983994	0	1	1
XLOC_013763	0.198782	0.279049	0.489329	0.543285	0.810795
XLOC_013764	0.198076	0.211654	0.095656	0.913695	0.972914
Zdhhc14_j6	1.73571	1.70028	-0.0297539	0.905377	0.969961
Snx9_j6	0.319515	3.60712	0	1	1
Tulp4_j3	0.702497	0.64408	-0.125251	0.58626	0.834297
Fgfr1op_j4	2.97516	3.55354	0.256291	0.214006	0.559247
Pde10a_j4	2.67127	2.60393	0	1	1
1700010I14Rik_j5	0.0560305	0.106127	0.921505	0.43173	1
Park2_j1	2.00856	1.87356	-0.100379	0.5823	0.832693
Agpat4_j1	0.559126	1.07793	0	1	1
Tcp1_j4	32.7522	33.0134	0.0114567	0.902732	0.968976
Mllt4_j8	0.0569383	0	0	1	1
Mllt4_j7	0.737757	0.457661	0	1	1
Mllt4_j9	2.59565	2.72312	0	1	1
XLOC_013808	0.0409687	0.167289	2.02975	0.032834	0.197381
Tbp_j2	3.97167	3.81693	-0.0573342	0.785644	0.928253
Chd1_j3	0.0285731	0.604616	0	1	1
Chd1_j6	0.264642	0.437536	0	1	1
4930546H06Rik_j2	0.957971	0.932154	-0.0394132	0.901772	0.968734
4930546H06Rik_j10	0	0.120756	1.79769e+308	0.0004775	1
4930546H06Rik_j9	0.0553692	0.0915905	0.726115	0.307725	1
XLOC_013825	0.172618	0.132886	-0.3774	0.459965	0.76171
Zfp54_j2	0.769963	0.559644	-0.460279	0.232173	0.579201
Zfp54	0.167984	0.306371	0.866955	0.18895	0.530559
Zfp54	2.93E-05	0.13671	12.1891	0.971783	1
XLOC_013834	0.477293	0.468061	-0.0281763	0.9279	0.977678
3110052M02Rik_j3	3.82512	3.25733	0	1	1
Zfp943_j1	0.15187	0.430012	1.50154	0.000911	0.0132751
XLOC_013841	0.107455	0.1709	0.669418	0.326155	0.669409
Ccdc64b_j1	0.104447	0.169524	0.698713	0.378786	0.710354
Rnps1_j8	1.75386	2.07094	0.239753	0.570079	0.826128
mKIAA1306_j2	8.57739	7.95854	0	1	1
Pkd1_j4	0.480443	0.491135	0	1	1
Tpsb2	0.300285	0.739384	1.29999	0.0027605	0.0322486
AK079380_j2	0	0.2733	1.79769e+308	0.036022	0.209415
Mslnl_j2	0.0649908	0.110341	0.763658	0.36807	1

Neurl1b_j1	0.120611	0.165025	0.452323	0.491878	0.78074
A930001N09Rik_j8	4.32915	2.94606	0	1	1
Kifc5b_j4	0	0.063923	1.79769e+308	0.0926421	1
Kifc5b	0	0.076585	1.79769e+308	0.0415657	1
XLOC_013900	0.407158	0.524136	0	1	1
Itpr3_j3	0.582964	1.21941	0	1	1
Snrpc_j7	0.257526	0.300498	0.222639	0.454806	0.758773
Anks1_j2	0.233766	0.336724	0	1	1
Anks1_j3	0.385213	0.444945	0	1	1
Scube3_j3	0	0.134855	1.79769e+308	0.007218	1
Fance	0.868036	0.43674	-0.990981	0.0548346	0.273143
Fance_j10	0.784055	1.02491	0.386472	0.398354	0.722446
Rpl10a_j4	0.0864361	0.192289	1.15357	0.107331	0.407235
Cdkn1a_j1	0	2.90518	0	1	1
BC004004_j3	0.287516	1.23062	0	1	1
Pi16_j2	0.437527	0.496161	0.181436	0.747506	0.912113
Fgd2_j4	0.02947	0.107679	1.86942	0.144933	1
Fgd2_j7	0.314058	0.448241	0.513245	0.359476	0.694728
Zfand3_j4	0.869869	0.513862	-0.759418	0.536851	0.80709
Pknox1_j3	0.138247	0.272074	0	1	1
Pknox1_j5	0.486989	0.710181	0	1	1
Rrp1b_j1	0.0498822	0.0322405	-0.62965	0.599887	1
Rrp1b_j2	0.205228	0.24801	0.273168	0.558866	0.820245
Cyp4f17_j1	0.815574	0.996133	0	1	1
Cyp4f16_j4	0.352551	0.6435	0	1	1
Cyp4f16_j8	0.216304	0.259001	0	1	1
Adamts10_j7	0.438021	0.460317	0.0716266	0.838624	0.948621
Adamts10_j6	0.466244	0.807809	0.792928	0.0065522	0.0625462
Adamts10_j12	0.290429	0.162016	-0.842052	0.145776	0.473758
Kank3_j1	4.6802	4.69769	0.0053796	0.970374	0.991599
Ndufa7_j1	63.916	72.2859	0.177538	0.142322	0.468976
H2-DMb2_j2	0.211892	0.440137	1.05463	0.147718	0.476359
IAP_j2	0.0764799	0.0422001	-0.857833	0.705623	1
IAP_j3	0.188238	0.261576	0.474669	0.291924	0.638801
IAP_j4	0.182033	0.318195	0.805712	0.327896	0.670433
Ager_j4	0	0.0771029	0	1	1
Ager_j5	0.271931	0.244838	0	1	1
Prnt1_j3	2.21687	3.49507	0.656794	0.0155374	0.11773
XLOC_013982	0.0799864	0.109027	0.446858	0.58552	1
Tnxb_j1	0.0493512	0.0935296	0.922337	0.601423	1
Tnxb_j5	0.270307	0.269674	-0.00338435	0.991143	0.997365
Tnxb_j9	0.196347	0.251783	0.358778	0.279297	0.628022
Rdbp	2.6442	2.17452	0	1	1
Ehmt2_j2	0.219698	0.592521	0	1	1
Ehmt2_j5	0.570263	1.94324	0	1	1
Neu1_j1	7.53467	8.4048	0.15767	0.355199	0.691124
Hspa1l	0.297171	0.436022	0.553109	0.334585	0.675359

Clic1_j1	58.061	83.3729	0	1	1
Gpank1	0.420063	0.443442	0.078141	0.726301	0.902924
Bat3_j3	0.0583516	0.173954	0	1	1
Bat3_j10	0.0621893	0.0779274	0	1	1
Atp6v1g2_j3	5.32412	6.17212	0.213223	0.25975	0.608472
Bat1a_j4	13.3185	15.274	0	1	1
Mdc1_j2	1.02045	1.09959	0	1	1
Trim10_j2	0	0.19659	1.79769e+308	0.0264012	0.170737
Rnf39_j1	0.0753274	0.0828038	0	1	1
Gabbr1_j1	47.798	48.6953	0	1	1
Clic5_j2	0	0.0878716	1.79769e+308	0.169764	1
Nfkbie_j2	0.354358	0.895097	1.33684	0.0035302	0.0391871
Gtpbp2_j4	6.66098	8.84816	0	1	1
Gm88_j2	3.4856	3.23932	-0.105716	0.727681	0.903503
Crip3_j10	0.141293	0.0795767	-0.828277	0.616544	0.848924
Trerf1_j9	0.0812809	0.0762339	-0.0924838	0.908451	1
Mrps10_j5	6.32226	5.47405	0	1	1
Usp49_j4	0.665211	0.824145	0	1	1
AI314976_j3	4.31717	4.89776	0.182035	0.445528	0.753013
XLOC_014093	0.299407	0.42288	0.498141	0.49822	0.783887
Zfp959_j3	0.0705887	0.117884	0.739858	0.449959	1
Ccdc94_j3	0.0879453	0.0984779	0.163194	0.909012	1
Shd_j3	5.66088	5.69619	0.00896883	0.962347	0.989496
Tnfaip8l1	0.380534	0.412793	0.117393	0.755941	0.915824
Tnfaip8l1_j1	0	0.231159	1.79769e+308	0.0016534	0.0214161
Uhrf1_j2	0.132691	0.125245	-0.083311	0.942444	1
Kdm4b_j7	0.335164	0.157902	-1.08584	0.0348957	0.205266
XLOC_014115	0.0531374	0.126839	1.2552	0.47017	1
Safb_j1	0	1.63444	0	1	1
Tmem146_j3	0	0.14883	1.79769e+308	0.0480925	1
Tmem146_j5	0.0189581	0.0580748	1.6151	0.367429	1
Tmem146_j8	0.0696763	0.105017	0.591889	0.585851	1
Tmem146_j9	0.0341973	0.0919312	1.42667	0.443515	1
Dus3l_j1	0.157434	0.313998	0	1	1
Man2a1_j3	0.932045	1.08127	0.21426	0.430907	0.743385
Ddx11_j8	0.0221753	0.119098	2.42512	0.148698	1
XLOC_014140	0.0860958	0.174356	1.01802	0.347258	0.68591
L3mbtl4_j4	0.27928	0.173769	-0.684546	0.324203	0.667403
Epb4.1l3_j9	96.1689	92.4654	0	1	1
Zfp161_j2	2.72973	3.11352	0	1	1
Dlgap1_j3	1.23961	1.08335	0	1	1
Lpin2_j2	3.72899	4.41991	0	1	1
Fam179a_j8	0	0.605121	1.79769e+308	2.96E-06	0.0001075
Fam179a_j9	0.457188	0.256337	-0.834745	0.149276	0.478525
Ehd3_j5	12.8847	18.7253	0	1	1
Slc30a6_j2	2.10073	2.23682	0.0905596	0.778884	0.925554
Birc6_j11	5.99508	6.17102	0.0417313	0.685198	0.882524

Birc6_j12	15.5808	15.7755	0.0179182	0.876708	0.960797
Ltbp1_j1	2.89E-05	0.227106	0	1	1
Crim1_j5	0	0.220949	1.79769e+308	0.0001161	0.0024372
Fam82a1_j3	0	0.101599	1.79769e+308	0.0109453	1
Galm_j3	0.476942	0.38031	-0.326637	0.61233	0.84734
Morn2	10.6569	11.4403	0.102332	0.537694	0.807734
Eml4_j4	2.27179	2.55828	0	1	1
Mta3_j4	2.57296	3.15581	0	1	1
Plekhh2_j4	0	0.111634	1.79769e+308	0.0896119	1
Ppm1b_j1	19.3937	18.3005	-0.0837035	0.44939	0.755499
1700090G07Rik	0	0.0656237	1.79769e+308	0.0776109	1
Rhoq_j3	11.4272	16.019	0.487319	7.95E-06	0.0002536
Ttc7_j5	0.913635	0.781097	-0.226116	0.523309	0.799177
Msh6_j1	0.201109	0.226425	0	1	1
Ston1_j3	0.12269	0.180846	0	1	1
AK138253_j2	1.02056	0.644288	0	1	1
Tfb1m_j2	0	0.226633	0	1	1
Serac1_j3	0.809429	0.873242	0	1	1
Tmem181a	2.23205	2.48136	0	1	1
BC049966_j1	2.39664	2.21323	0	1	1
BC049966_j3	0.000604778	0.294945	0	1	1
BC049966_j2	0.0874937	0.087551	0	1	1
AK178082_j1	1.12531	1.8152	0.689806	0.25979	0.608517
Fndc1_j3	0.0665289	0.186184	1.48467	0.144802	0.472296
Fndc1_j5	0	0.0528805	1.79769e+308	0.0143326	1
Fndc1_j4	0.224915	0.125131	-0.845943	0.0553744	0.274836
AK015714_j2	0.723185	0.721916	-0.0025332	0.984585	0.995392
XLOC_014247	0.089082	0.131286	0.559503	0.680039	1
Qk_j3	0.100566	0.0277204	0	1	1
Qk_j6	2.81814	2.45873	0	1	1
Map3k4_j4	0.204408	0.389773	0	1	1
Slc22a3_j1	0.0643327	0.076909	0.257601	0.847905	1
Igf2r_j1	0.604837	0.486446	0	1	1
Wtap_j7	0.111244	0.159081	0	1	1
Gm16052_j3	0	0.208256	1.79769e+308	0.000277	0.0050067
Thbs2_j1	5.91E-05	0.168835	11.4813	0.835524	0.947099
Wdr27_j4	0.0276663	0.0832354	1.58907	0.173967	1
Wdr27_j5	0.0606895	0.0729723	0.265903	0.811715	1
Phf10_j6	4.8001	5.08715	0	1	1
Prdm9_j5	0	0.126383	1.79769e+308	0.0037694	1
Prdm9_j6	0.0305208	0.0640395	1.06917	0.355226	1
Has1	0.0497617	0.10122	1.02439	0.3823	1
Fpr1	0.0669335	0.097671	0.545202	0.611191	1
Zfp40_j4	0.947336	1.07705	0	1	1
Zfp13_j3	0.544257	0.416518	-0.385911	0.508995	0.790628
Mmp25_j9	0.0644391	0.110426	0	1	1
Thoc6_j3	0.457661	0.56609	0.306751	0.365594	0.699478

Tbc1d24_j1	0.943634	1.05739	0.164204	0.425585	0.740579
Tbc1d24_j3	0.159101	0.0571227	-1.4778	0.0068747	0.0649223
Tsc2_j4	5.93891	7.87009	0	1	1
Slc9a3r2_j3	0	0.388537	0	1	1
Tbl3	7.03241	6.50574	0	1	1
Mapk8ip3_j9	0.292146	0.256695	0	1	1
Cramp1_j3	0.152783	0.359205	0	1	1
Ube2i_j1	35.2559	38.6511	0.132646	0.145622	0.473519
Ube2i_j2	1.05132	0.650271	-0.693094	0.0053378	0.0532893
Cacna1h_j10	1.33067	1.09745	0	1	1
Sox8_j4	0.593608	0.651267	0.133739	0.741904	0.909559
Rhbdl1_j3	0	0.0792909	1.79769e+308	0.0210895	1
Wdr90_j15	0	0.116864	1.79769e+308	0.110147	1
Solh_j5	2.77669	2.71207	0	1	1
Solh_j7	0.201292	0.223733	0	1	1
Solh_j6	0.474398	0.508441	0	1	1
Decr2_j2	3.8046	3.74548	-0.0225939	0.890794	0.965446
Pdia2_j4	0.00118691	0.24912	7.71348	0.0900798	0.368442
Itfg3_j5	0.402906	1.64685	0	1	1
Bak1_j4	0.0197429	0.361693	4.19536	0.0006385	0.0099691
Bak1_j3	1.4881	1.68429	0.178674	0.406209	0.727726
Grm4_j1	0.357704	0.583362	0	1	1
Nudt3_j10	0	0.361521	0	1	1
D17Wsu92e_j1	24.1542	29.456	0	1	1
Slc26a8_j12	0	0.0850391	1.79769e+308	0.0536898	1
Slc26a8_j17	0	0.0556471	1.79769e+308	0.0891211	1
Cpne5_j1	0.099475	0.22562	0	1	1
Mtch1_j3	29.6864	32.9473	0	1	1
Mtch1_j4	0.406635	0.423505	0	1	1
Mtch1_j5	5.60903	5.98686	0	1	1
XLOC_014368	0.372921	0.221871	-0.749148	0.410107	0.730173
1110021J02Rik_j2	4.66931	5.03274	0.108134	0.502321	0.786353
Mdga1_j3	1.62901	2.67903	0	1	1
Btbd9_j3	0.381523	0.324362	0	1	1
Glo1_j1	0.225635	0.272567	0.272617	0.583312	0.833121
Glo1_j4	7.70295	7.11018	-0.115527	0.673684	0.877015
Notch3_j4	0.777456	0.806889	0.0536086	0.865394	0.957078
Notch3_j5	0	0.102382	1.79769e+308	0.0091878	1
Notch3_j7	0.139245	0.318967	1.19578	0.0013478	0.0181675
Notch3_j6	0	0.151208	1.79769e+308	3.71E-05	1
Ephx3_j1	0.0740367	0.0543939	-0.444796	0.776482	1
Brd4_j5	10.2274	12.0488	0.236446	0.0545503	0.272439
Brd4	4.97597	2.82213	-0.818192	6.73E-09	4.88E-07
Akap8l_j1	0.385288	0.620167	0.68672	0.021375	0.147428
Akap8l_j11	0.143639	0.15882	0.144938	0.758561	0.917041
Wiz_j9	0.03177	0.0847013	1.41472	0.170419	1
Zfp811_j3	0.025198	0.066583	1.40184	0.332561	1

Cyp4f14	0	0.109318	1.79769e+308	0.003201	1
Cyp4f13	3.23027	3.65069	0.176514	0.374653	0.707294
Cyp4f41-ps_j1	0.272062	0.158125	-0.782873	0.303331	0.649031
Zfp422-rs1_j1	0.180482	0.195612	0.116139	0.791621	0.930476
Zfp101_j2	0.22907	0.337282	0.558167	0.299175	0.646115
Hnrnpm_j4	0.175964	0.251537	0	1	1
Hnrnpm_j3	2.60367	2.41573	0	1	1
Rab11b_j2	0.166809	0.0845586	-0.980177	0.0558336	0.276186
Rps18_j4	43.9154	57.1772	0	1	1
H2-Ke6_j7	1.57963	1.37103	-0.204325	0.612766	0.847359
H2-Ke6_j8	0.213863	0.0586494	-1.8665	0.27833	0.627262
Brd2_j6	0.975778	1.16818	0	1	1
Brd2_j5	0	0.372488	0	1	1
Btnl5_j1	0.0411854	0.136526	1.72897	0.120725	1
Btnl6_j7	0.0224427	0.0482335	1.10379	0.501589	1
Btnl6_j8	0.0227003	0.0836481	1.88162	0.277706	1
Egfl8_j5	0.493631	0.537044	0.121607	0.586995	0.834802
Stk19	1.62118	1.82666	0	1	1
Cfb_j1	0.0178164	0.064598	1.85828	0.095842	1
Cfb_j3	0.0672026	0.0274979	-1.28919	0.330706	1
Csnk2b_j1	21.7301	22.7342	0.0651673	0.694706	0.887401
Aif1_j3	1.05915	2.76103	1.38229	6.82E-05	0.0015531
Vars2_j8	0.476614	0.493737	0.0509225	0.869627	0.958475
Ddr1	0	0.111253	0	1	1
Atat1_j2	0.632289	0.446259	0	1	1
Atat1_j3	0.723009	0.953591	0	1	1
Abcf1_j1	0.00270196	0.158141	5.87106	0.10365	0.399185
Prr3	4.51875	4.42071	0	1	1
Rpp21_j1	4.86184	6.14553	0	1	1
H2-M1_j2	0.0574266	0.108094	0.912502	0.355135	1
XLOC_014466	0.1133	0.146765	0.373359	0.53332	1
Slc25a27_j2	0.429011	0.475155	0.147384	0.585793	0.834076
XLOC_014482	0	0.175671	1.79769e+308	0.0611734	0.291875
Cdc5l_j4	0.0180535	0.120245	2.73562	0.164849	1
Spats1_j3	0.131175	0.0568006	-1.20751	0.165469	1
Tmem151b_j5	4.0106	4.16123	0	1	1
Slc29a1_j10	0	0.182985	1.79769e+308	0.0173828	0.12774
Tmem63b_j5	2.82716	1.99804	0	1	1
Tmem63b_j6	0.237604	0.157286	0	1	1
Vegfa	0.944765	0.824918	0	1	1
Tjap1_j1	0	0.130076	0	1	1
Abcc10_j6	0.388314	0.534775	0.46171	0.219802	0.566497
Ptk7_j4	0.281269	0.852754	0	1	1
Klhdc3_j5	6.23106	6.86874	0.140568	0.293734	0.640534
Klhdc3_j7	24.4434	24.9271	0.0282731	0.775046	0.923761
Gnmt_j4	0.040132	0.186873	2.21924	0.17147	0.50851
Gnmt_j3	0.261916	0.241067	-0.119674	0.815839	0.94009

BC032203_j2	0.0813823	0.0604239	0	1	1
Ubr2_j3	2.18543	1.07012	0	1	1
Ubr2_j4	1.43798	1.28259	0	1	1
Taf8_j1	0.889258	1.07154	0.26901	0.413635	0.732414
Mdfi	0.0327071	0.353193	3.43278	0.0241188	0.160269
Foxp4_j5	0.460854	0.652294	0	1	1
Foxp4_j6	0	0.133811	0	1	1
Foxp4	0	0.138439	0	1	1
Nfya_j7	0.245076	0.683802	0	1	1
XLOC_014524	0.352603	0.0651012	0	1	1
Daam2_j2	1.17857	0.719108	0	1	1
Rftn1_j3	3.02E-05	0.0772026	11.3211	0.977521	1
Rftn1_j4	0.00227006	0.123391	5.76436	0.420345	1
Satb1_j5	1.65702	1.63064	0	1	1
Slc5a7	0.0275224	0.394166	3.84012	0.0001642	0.003256
Pot1b_j4	0	0.120981	1.79769e+308	0.007024	1
Zfp119_j2	0.071684	0.0768915	0.101173	0.913678	1
Stap2_j3	0.0779722	0.260239	1.7388	0.183522	0.524115
Stap2	0.0552291	0.16482	1.57739	0.214123	0.559445
Sema6b_j2	0.358445	0.261039	-0.457486	0.334839	0.675569
Dpp9_j1	7.12786	6.09472	0	1	1
Ptprs_j2	0.206329	0.475119	0	1	1
Rfx2_j3	0.024535	0.057496	1.22862	0.370721	1
Rfx2_j2	0	0.0608473	1.79769e+308	0.0460475	1
Gtf2f1_j1	0.0626697	0.0919424	0.552961	0.575026	1
Dennd1c_j8	0	0.150721	1.79769e+308	0.0307589	1
Dennd1c_j10	0.0880391	0.0857227	-0.0384663	0.963592	1
Dennd1c_j11	0.0418266	0.0897188	1.10099	0.265225	1
Gm11110_j2	1.01E-05	0.200521	14.2821	0.99222	0.997666
Efna5_j3	0	0.426996	0	1	1
Efna5	0.299286	0.280677	0	1	1
Vapa_j1	40.8587	38.7118	0	1	1
1110012J17Rik_j5	4.82048	5.96747	0.307945	0.0282754	0.178545
Ptprm_j7	0.0561856	0	0	1	1
Arhgap28_j4	0	0.282502	0	1	1
AK044644_j1	0.214128	0.166253	-0.365091	0.620386	0.851093
Ndc80_j2	0.0408415	0.0768299	0.911631	1	1
Alk_j2	0	0.0931244	1.79769e+308	0.0150555	1
Alk_j6	0.062164	0.1718	1.46658	1	1
Srd5a2_j1	0	0.550501	1.79769e+308	1.14E-06	4.62E-05
Srd5a2_j2	1.71305	0.254525	-2.75069	4.39E-10	3.89E-08
Strn_j1	0.360248	0.607301	0.75342	0.0058079	0.0570593
Cebpz_j1	1.3274	0.859792	-0.626542	0.0142418	0.110857
Hnrpll_j1	1.90074	0.902556	-1.07448	0.0077786	0.0711414
Sfrs7_j2	3.79329	4.56272	0	1	1
Sfrs7_j1	0.413532	0.677559	0	1	1
Dhx57_j2	0.346847	0.525991	0	1	1

Sos1_j1	6.71652	5.90321	0	1	1
Cdkl4_j2	0.268206	0.105077	-1.35189	0.0663643	0.307724
Map4k3_j7	0.19126	0.169133	0	1	1
Map4k3	1.93584	1.86661	0	1	1
Thumpd2_j5	0.208855	0.233474	0.160766	0.80114	0.933726
Slc8a1_j5	0.130336	0.373806	1.52005	0.0025639	0.0304354
Slc8a1_j6	0	0.144066	1.79769e+308	0.0102057	1
XLOC_014639	0.0621534	0.0737753	0.247303	0.842868	1
XLOC_014639	0.0394618	0.113583	1.52522	0.332472	1
Fbxo11_j2	9.38018	10.0971	0	1	1
Lhcgr_j6	0.357138	0.263848	-0.436776	0.606516	0.845067
Nrxn1_j10	0.483937	1.55226	0	1	1
Nrxn1_j13	0.760823	0.144208	0	1	1
Scaf8_j3	0.0107301	0.282492	0	1	1
Scaf8_j4	0.650869	0.921985	0	1	1
Tiam2_j4	0.0308588	0.212893	0	1	1
XLOC_013763	0	0.260605	1.79769e+308	0.002663	0.0313742
XLOC_013763	0.195757	0.220241	0.170021	0.710395	0.894498
Arid1b_j2	0.0630555	0.176094	0	1	1
Zdhhc14_j1	1.76981	1.67365	-0.0805981	0.668261	0.874424
Zdhhc14_j2	6.18432	5.56615	-0.151934	0.453287	0.758028
Snx9_j5	3.4352	0.496474	0	1	1
Synj2_j3	0	0.154418	0	1	1
Synj2_j6	0.0985411	0.250751	0	1	1
Tulp4_j1	0	0.0648429	1.79769e+308	0.0011794	1
Sytl3_j1	0.303499	0.303671	0	1	1
Rps6ka2_j5	12.448	12.3181	0	1	1
Fgfr1op_j3	1.48908	2.21264	0.571348	0.149244	0.478453
Sft2d1_j3	1.67493	1.61123	-0.0559392	0.777789	0.9249
XLOC_013790	0.0383611	0.151861	1.98504	0.127209	1
Park2_j4	0.989923	0.459768	-1.10641	0.0076168	0.0701621
Agpat4_j3	0.290258	0.540764	0	1	1
AK029100_j2	0.626007	0.555268	0	1	1
Airn_j1	0.88175	0.902508	0	1	1
Tcp1	10.4622	10.9318	0.0633363	0.617682	0.84955
Sod2_j2	3.30135	2.88821	-0.192882	0.214139	0.559445
Mllt4_j3	1.06449	1.0455	0	1	1
Mllt4_j10	0.359953	0.697826	0	1	1
BC002059_j1	1.95826	2.17751	0.15311	0.37747	0.70922
Lix1_j1	9.47809	5.3233	0	1	1
Lix1_j5	42.8754	42.6686	0	1	1
Zfp948_j2	0.452834	1.2906	0	1	1
Zfp760_j1	0.266707	0.548754	0	1	1
Rnps1_j5	0.202147	0.190855	-0.0829249	0.856737	0.954683
Pkd1_j8	5.11904	5.21598	0	1	1
Zfp598_j2	0.0708194	0.172192	0	1	1
Zfp598	0.751414	0.669792	0	1	1

Clcn7_j1	0.628667	0.576334	-0.125391	0.725707	0.902548
Unkl_j3	0.628526	0.726114	0	1	1
Ccdc78_j2	0.0795097	0.0952072	0.25994	0.787109	1
Axin1_j1	0	0.064173	1.79769e+308	0.0485342	1
Rgs11_j2	10.9137	11.054	0.0184281	0.871098	0.959006
A930001N09Rik_j1	0.362232	0.362168	0	1	1
Kifc5b_j6	0.16857	0.0546851	-1.62413	0.201844	0.545319
Zbtb9_j2	0.17127	0.365524	0	1	1
Zbtb9_j3	0.781737	1.61854	0	1	1
Pacsin1_j1	17.1375	14.2134	0	1	1
Anks1	0.757146	1.03066	0	1	1
Anks1_j1	0.195761	0	0	1	1
XLOC_013910	0.0341894	0.107789	0	1	1
Scube3_j7	0.0456539	0.0854142	0.903739	0.556295	1
Zfp523_j1	1.41048	1.14437	-0.301636	0.325628	0.668942
Zfp523_j2	0	0.114028	1.79769e+308	0.0284167	1
Def6_j1	4.52833	4.81546	0	1	1
Def6_j2	1.3512	1.46923	0	1	1
Fance_j7	0	0.483909	1.79769e+308	0.0004881	0.0079814
Mapk14_j1	0.0477377	0.0535896	0	1	1
XLOC_013921	0.0355063	0.143892	2.01884	0.23436	1
Brpf3_j4	0.0512824	0.159886	0	1	1
BC004004_j1	7.18402	6.47089	0	1	1
BC004004_j2	0.472816	1.42784	0	1	1
Pi16_j4	0.705392	0.655242	-0.106398	0.877426	0.96086
Fgd2_j2	0.0436515	0.071133	0.704488	0.515666	1
Slc37a1_j3	1.70933	3.41944	0	1	1
Slc37a1_j4	1.70483	2.72224	0	1	1
Rrp1b_j6	0	0.285628	1.79769e+308	3.96E-05	0.0009791
Cyp4f16_j1	0.0237896	0.166394	0	1	1
Cyp4f16_j5	1.01889	0.914608	0	1	1
Pram1_j6	0.0552834	0.166958	1.59457	0.0084367	0.075503
Kank3_j3	0.097891	0.164228	0.74645	0.189125	0.530685
Ndufa7_j3	35.417	37.8267	0.0949624	0.657695	0.869616
Rgl2_j7	8.52187	8.45572	-0.0112426	0.919928	0.974885
XLOC_013965	0.0804537	0.21454	1.41501	0.264391	0.613354
Rxrb_j1	0.0272131	0.186953	2.7803	0.0006043	0.0095415
Col11a2_j7	0.397606	0.667724	0.747912	0.151281	0.48235
Tnxb_j10	0.420364	0.351031	-0.260041	0.395208	0.720391
Tnxb_j11	0.0426871	0.103449	1.27704	0.158566	1
Lsm2	1.93409	2.22169	0.200002	0.497351	0.783786
D17H6S56E-3_j5	0.0103215	0.657118	0	1	1
D17H6S56E-3_j6	2.99831	3.59117	0	1	1
Ddah2_j3	0.216389	0.517806	0	1	1
Abhd16a_j2	5.17528	8.39713	0.698261	0.002717	0.0319027
Gpank1_j1	4.2312	3.8447	-0.138193	0.515489	0.794259
Gpank1	1.17496	1.69168	0.525838	0.0925122	0.374266

Gpank1_j2	0.709314	0.737806	0.0568171	0.893809	0.966325
Bat3_j1	4.2946	4.95795	0	1	1
Bat3_j8	0.0930476	0.0587628	0	1	1
Bat3_j12	3.07459	3.32155	0	1	1
Bat3_j15	0.270948	0.420113	0	1	1
Bat3_j18	1.83945	4.12921	0	1	1
Cchcr1_j2	0.048999	0.266978	2.4459	0.0062799	0.0606932
Dhx16_j1	0.208082	0.703045	0	1	1
XLOC_014028	0.0466218	0.145039	1.63736	0.0949373	1
Gabbr1_j3	22.7135	20.0879	0	1	1
Gabbr1_j5	0.740254	1.08108	0	1	1
RP23-98F21.10	1.8286	2.00634	0.133827	0.610924	0.84666
Gpr116_j7	0.0913092	0	0	1	1
Gpr116_j8	0.0945527	0.0913051	0	1	1
Cyp39a1_j1	1.87236	1.45989	-0.358995	0.241807	0.58895
XLOC_014063	0.0585666	0.115751	0.982869	0.177379	1
Zfp318_j3	0.432323	0.613377	0	1	1
Pex6_j3	0	0.180254	0	1	1
Mrps10_j2	1.0907	0.99668	0	1	1
Mrps10_j4	0.458928	0.418533	0	1	1
Guca1b_j1	0.0440036	0.138323	1.65234	0.138586	1
Usp49_j6	0.349949	0.301417	0	1	1
Frs3	5.09611	4.58141	0	1	1
Tcfef_j1	0	0.0489639	1.79769e+308	0.149496	1
Tcfef_j4	0.411778	0.559816	0.443085	0.661454	0.871676
Trem1_j1	0.069385	0.10259	0.564199	0.661047	1
Kat2b_j5	5.98505	5.59763	-0.0965494	0.529046	0.802307
Zfp959_j4	0.397726	0.1686	-1.23817	0.237031	0.583799
Ccdc94_j2	0	0.0903665	1.79769e+308	0.128431	1
Mpnd_j1	19.1852	19.6225	0.0325136	0.734198	0.906268
Mpnd_j5	14.8549	12.7984	-0.21497	0.0856177	0.357343
Uhrf1_j1	0	0.0821665	1.79769e+308	0.111838	1
Kdm4b_j9	0	0.0658691	1.79769e+308	0.0846149	1
Kdm4b_j11	0.795124	0.179711	-2.1455	0.001779	0.0227594
Tmem146_j4	0	0.0572972	1.79769e+308	0.163112	1
Dus3l_j7	5.13925	6.55754	0	1	1
Alkbh7_j2	3.46654	5.8819	0.762784	0.0717547	0.322189
Trip10	1.86576	1.67178	0	1	1
Cntnap5c_j1	0	0.130974	1.79769e+308	0.0056943	1
Fert2_j6	0.66051	1.01369	0	1	1
ORF19_j1	0	0.0566497	0	1	1
Lama1_j5	0.0905389	0.0825969	-0.132451	0.869576	1
L3mbtl4_j6	0	0.0754818	1.79769e+308	0.079592	1
L3mbtl4_j7	0	0.09463	1.79769e+308	0.0568355	1
L3mbtl4_j10	0	0.0734849	1.79769e+308	0.0588287	1
Epb4.1l3_j4	1.09976	1.41671	0	1	1
Epb4.1l3_j7	62.0115	61.1299	0	1	1

mKIAA0007_j1	0.0349384	0.120106	1.78142	0.143383	1
Fam179a_j6	0	0.0752695	1.79769e+308	0.0268473	1
Clip4_j1	0.404709	6.30696	0	1	1
Clip4_j8	4.19932	3.96607	0	1	1
Ypel5_j2	13.8269	14.1983	0	1	1
Lbh_j2	1.91561	9.51275	0	1	1
Ehd3_j2	0	0.099215	0	1	1
Yipf4_j1	15.733	11.1754	0	1	1
Birc6_j4	0.158531	0.227302	0.519845	0.608315	0.845627
Birc6_j6	0.0978848	0.121926	0.316855	0.718501	1
Birc6_j7	0.768198	0.681803	-0.172125	0.41698	0.734121
Ltbp1_j5	0.0669752	0.209251	0	1	1
Rasgrp3_j2	0	0.0879425	1.79769e+308	0.0168341	1
Rasgrp3_j3	0.289308	0.440344	0.606026	0.167528	0.504072
Ccdc75_j1	2.43556	3.07207	0.334961	0.203194	0.547149
Fam82a1_j4	0.151562	0.531807	1.81099	0.0002322	0.0043373
Fam82a1_j6	0.23654	0.0782154	-1.59656	0.13192	0.451901
Galm_j1	2.50821	1.67199	-0.585094	0.0302922	0.18692
Arhgef33_j4	0.0424015	0.250172	2.56073	0.195642	0.538158
XLOC_014188	0	0.130418	1.79769e+308	0.110353	1
XLOC_014189	0.0196763	0.0750721	0	1	1
Mta3_j1	0	0.298885	0	1	1
1700106N22Rik_j2	0.374063	0.556221	0.572377	0.365192	0.699035
Prkce_j1	0	0.0729165	0	1	1
1700090G07Rik_j3	0.00260581	0.123229	5.56346	0.429527	1
1700090G07Rik_j2	0.0509112	0.0913637	0.843638	0.5358	1
XLOC_014206	0	0.0750445	1.79769e+308	0.162204	1
Msh6_j2	0.330933	0.285337	0	1	1
XLOC_014209	0	0.107428	1.79769e+308	0.0756024	1
Ston1_j2	1.39025	1.74385	0	1	1
Ston1_j6	0	0.141318	0	1	1
Adcyap1_j3	18.3176	34.2872	0	1	1
Pisd-ps2_j5	0	0.467722	1.79769e+308	1.08E-06	4.40E-05
Pisd-ps2_j4	0.730031	0.731148	0.00220469	0.993823	0.99826
Pisd-ps2_j13	0	0.0928859	1.79769e+308	0.0946818	1
Tfb1m_j3	4.04313	4.49436	0	1	1
BC049966_j1	0.568523	0.787979	0	1	1
Tmem181c-ps_j4	2.32755	2.88749	0.310999	0.235743	0.582976
AK037830_j1	0.0180948	0.0757182	0	1	1
Fndc1_j2	0.141608	0.290836	1.03831	0.189839	0.531646
Pacrg_j1	2.22797	2.45757	0.141505	0.67818	0.879011
Map3k4_j2	0.838235	0.678232	0	1	1
Slc22a3_j7	0	0.129485	1.79769e+308	0.101492	1
Mas1_j1	0.304366	0.27295	0	1	1
Pnlcd1_j4	0.0603881	0.0369111	-0.710209	0.709892	1
Wtap_j1	0.0721621	0.0763381	0	1	1
Wtap_j5	2.63249	2.23712	0	1	1

Tcte2_j4	0.330176	0.176012	-0.907566	0.27944	0.628153
Dact2_j2	0	0.261118	1.79769e+308	0.000865	0.0127263
Phf10_j3	0.851577	1.21139	0	1	1
Dll1_j1	0.114825	0.045964	-1.32087	0.291713	1
Psemb1_j1	0	0.111522	1.79769e+308	0.11931	1
Psemb1_j2	0.353614	0.380277	0.104876	0.863156	0.956634
Prdm9_j1	0.201284	0.25608	0.347361	0.554632	0.817684
Prdm9_j4	0.0826718	0.353133	2.09475	0.0005705	0.0091003
Lnpep_j2	3.3444	2.79054	0	1	1
Zfp945_j3	0.542246	0.422414	0	1	1
Zfp945_j2	0.0484877	0.0930663	0	1	1
Zfp13	1.49523	1.64603	0.138626	0.569621	0.825926
Mmp25_j6	0.0442893	0.089303	0	1	1
Amdhd2_j2	0.892061	1.59491	0	1	1
Tbc1d24_j13	0.089058	0.145733	0.71051	0.15102	1
Tbc1d24_j14	0.0869945	0.823531	3.24283	0	0
Ccnf_j2	0.0618011	0.121155	0.971145	0.247694	1
Abca17_j5	0	0.069754	1.79769e+308	0.0592049	1
E4f1_j1	0.104168	0.181386	0.800154	0.140867	0.466831
E4f1_j11	0.225394	0.216001	-0.0614123	0.924951	0.976661
Mlst8_j3	2.31958	4.08377	0	1	1
Rab26	0.323711	0.296195	-0.12816	0.777513	0.924737
Tsc2_j3	0.854628	1.75886	0	1	1
Slc9a3r2_j4	17.4127	17.5291	0	1	1
Slc9a3r2_j5	7.82019	7.98157	0	1	1
Tbl3_j1	0.386597	0.46595	0	1	1
Tbl3_j5	1.25375	1.26701	0	1	1
Mapk8ip3_j8	2.37466	2.00851	0	1	1
Cramp1_j1	0.0558206	0.0558572	0	1	1
Ube2i_j4	0.0415048	0.0853336	1.03984	0.116914	1
Cacna1h_j8	1.41077	2.19129	0	1	1
Cacna1h_j9	4.28299	4.1474	0	1	1
Sox8_j5	0.155176	0.16932	0.125845	0.856105	0.954521
Fam173a_j2	9.64018	8.62961	-0.159765	0.367759	0.701102
Stub1_j3	4.10561	5.32429	0.374995	0.221748	0.568888
Stub1_j4	2.59511	2.697	0.055562	0.852467	0.953253
Rhbdl1_j4	0	0.0855692	1.79769e+308	0.009936	1
Wdr90_j14	0.0814096	0.145358	0.836338	0.528142	1
Fam195a_j3	0.0935134	0	-1.79769e+308	0.0618915	1
Fam195a_j2	0.418693	0.64822	0.630591	0.331367	0.673024
Rab40C_j3	6.70636	7.50262	0	1	1
Nme4_j1	0.049879	0.154863	1.63449	0.272069	1
Pdia2_j9	32.2413	40.4339	0.326657	0.0003543	0.0061132
Itfg3_j1	1.61832	1.78216	0	1	1
Grm4_j2	0.0865862	0.0952412	0	1	1
Nudt3_j6	0.795127	1.9389	0	1	1
Tead3_j1	0.220953	0.351213	0.668606	0.22728	0.574435

Tead3_j4	0.2629	0.348615	0.407124	0.493345	0.781804
XLOC_014361	0.185208	0.348895	0.913642	0.193354	0.535696
XLOC_014361	0	0.219305	1.79769e+308	0.0077026	0.0707384
Stk38_j1	2.06103	1.2836	0	1	1
Stk38_j2	0.15726	0.203902	0	1	1
Cpne5_j2	0.217726	0.670837	0	1	1
Cpne5_j3	0.0877662	0.914003	0	1	1
Mtch1_j1	40.6223	39.5092	0	1	1
Mtch1_j2	82.8188	102.281	0	1	1
XLOC_014368	0.000205249	0.116126	9.1441	0.954032	1
Btbd9_j6	0.414147	0.502885	0	1	1
Btbd9_j7	0.379551	0.308746	0	1	1
Hsf2bp	0.048266	0 -1.79769e+308		0.0662395	1
Notch3_j1	0.190499	0.333271	0.806917	0.132062	0.4522
Notch3_j12	0.380081	0.436906	0.201014	0.589244	0.836005
Ephx3_j2	0	0.138616	1.79769e+308	0.0835147	1
Brd4_j4	0.617786	1.92283	1.63805	6.08E-14	1.04E-11
Akap8l_j6	3.38965	4.90044	0.531774	1.63E-05	0.0004695
Rasal3_j8	0.103287	0.0423376	-1.28665	0.231402	1
Rasal3_j7	0.000132487	0.0646828	8.93139	0.849941	1
Zfp101_j1	0.00543988	0.264497	5.60353	0.0315283	0.191971
Hnrnpm_j1	0.446353	0.889285	0	1	1
Angptl4_j3	0.212635	0.25102	0.239421	0.767892	0.920914
H2-K1_j1	39.1868	40.3079	0.0406966	0.668623	0.874544
H2-K1_j2	2.46918	2.44979	-0.0113761	0.966279	0.990343
H2-Ke6_j2	7.00461	6.95956	-0.0093099	0.922881	0.975936
H2-Ke6_j1	0.21071	0.240279	0.189452	0.575828	0.828497
Brd2	2.64247	1.53182	0	1	1
Psmb9_j2	0.334746	0.271559	-0.301804	0.764384	0.919203
Btln5_j2	0.0512039	0.189063	1.88454	0.0552986	0.274555
Egfl8_j7	34.9476	37.348	0.0958376	0.352994	0.689667
C4b_j1	0.368969	0.575937	0	1	1
Skiv2l_j3	0.21296	1.49168	0	1	1
Skiv2l_j7	9.86515	9.90997	0	1	1
Cfb_j2	0.0561522	0.321669	2.51816	0.0046082	0.0477666
C2_j2	0.361252	0.568835	0.655002	0.227684	0.574755
C2_j3	0.286611	0.258121	-0.151049	0.799818	0.933137
Csnk2b	2.39848	1.78959	-0.422496	0.305094	0.650175
Mrps18b_j2	0.185789	0.713446	0	1	1
Abcf1_j2	0.558886	0.148116	-1.91583	0.000896	0.0131199
H2-T9_j4	0	0.0616104	0	1	1
H2-M1_j8	0	0.160111	1.79769e+308	0.0258296	0.168201
Ppp1r11_j4	0	0.0618785	0	1	1
Crisp1_j1	0.0764864	0.140907	0.881463	0.494451	1
XLOC_014477	0.0268263	0.12532	2.2239	0.146218	1
XLOC_014477	0.105939	0.13563	0.356443	0.801337	1
Slc25a27_j5	6.51062	7.27452	0.160057	0.299239	0.646119

XLOC_014482	0.0831482	0.271465	1.70701	0.148778	0.477613
Cdc5l_j11	5.03048	3.84506	-0.387692	0.118556	0.428569
Tmem151b_j4	2.9742	3.11724	0	1	1
Slc29a1_j2	1.6239	1.72787	0.0895357	0.761921	0.918069
Tmem63b_j7	2.18831	1.58721	0	1	1
Tmem63b	7.87616	9.79387	0	1	1
XLOC_014494	0.0590725	0.0973374	0.720508	0.564703	1
Mad2l1bp_j1	0	0.0784439	0	1	1
Tjap1	0.0329332	0.109297	0	1	1
Abcc10_j5	0.0635384	0.0640154	0.0107901	0.990312	1
Srf_j1	3.88993	4.35114	0.161647	0.314303	0.658565
Ptk7_j1	0.541114	0.508768	0	1	1
Ptk7_j2	0	0.520593	0	1	1
Ptk7_j3	0.106872	0.450701	0	1	1
Klc4_j4	0.10346	0.0650093	0	1	1
Ptcra_j2	0.176888	0.12393	-0.513315	0.522093	0.79866
BC032203_j3	1.76439	2.71537	0	1	1
Prickle4_j3	4.47997	5.87958	0.392223	0.0278328	0.17685
Foxp4_j2	0	0.501524	0	1	1
XLOC_014524	0.371259	0.539557	0	1	1
XLOC_014524	0.340207	0.538844	0	1	1
Tbc1d5_j1	0.0879721	0.0983991	0	1	1
Pot1b_j7	0.270136	0.272744	0.0138593	0.976156	0.993133
XLOC_014550	0.393126	0.713904	0.860739	0.175732	0.514267
Safb2_j3	0.751854	1.31586	0	1	1
Lonp1_j1	1.64003	1.99641	0	1	1
Rfx2_j5	0.0511456	0.100315	0.971855	0.568719	1
Khsrp_j1	0	0.283432	0	1	1
Khsrp_j2	0.348986	0.550291	0	1	1
Slc25a23_j2	1.9362	2.61617	0	1	1
Dennd1c_j3	0	0.213783	1.79769e+308	0.0253142	0.165753
Dennd1c_j4	0	0.095502	1.79769e+308	0.0838913	1
Dennd1c_j5	0.0256472	0.223925	3.12614	0.0186959	0.134649
Gpr108_j1	5.95524	8.95896	0	1	1
Nudt12_j1	1.3308	1.33535	0.00493344	0.983765	0.995196
Fbxl17_j2	0	0.651026	1.79769e+308	0.0027755	0.0323714
Fbxl17_j3	4.40911	4.22203	-0.0625528	0.806659	0.936053
Fbxl17_j4	13.999	14.2367	0.0242866	0.854021	0.953758
Vapa_j3	0.581812	0.722101	0	1	1
Rab31_j2	5.25294	7.59011	0	1	1
Ankrd12_j1	0.100287	0.246335	1.29649	0.129033	0.447615
Ndufv2_j1	81.7996	66.995	0	1	1
1110012J17Rik_j2	0.238981	0.368935	0.62647	0.154084	0.487083
Arhgap28_j2	0.502697	0.544117	0	1	1
Tgif1	0.309442	0.699002	1.17563	0.0184056	0.133129
Smchd1_j4	0.78498	0.683299	0	1	1
Alk_j1	0.0764215	0.0836351	0.130132	0.856932	1

Xdh_j1	2.23E-05	0.485631	0	1	1
Memo1_j9	8.71889	14.347	0	1	1
Eif2ak2_j1	3.17881	2.69595	-0.237694	0.0763606	0.333862
Eif2ak2_j2	0.412071	1.14397	1.47308	1.51E-10	1.48E-08
Atl2_j3	2.99586	3.41232	0.187783	0.358015	0.693676
Dhx57_j6	0.0481125	0.3696	0	1	1
Sos1_j2	0	1.20905	0	1	1
Slc8a1_j7	0	0.145148	1.79769e+308	0.0110838	1
AK135560_j1	0.319444	0.263623	0	1	1
XLOC_014651	2.03133	1.65436	0	1	1
Kcnk12_j2	0.0101175	0.547498	5.75793	1.21E-05	0.000364
Kcnk12_j3	0.568253	1.55867	1.45571	8.66E-10	7.33E-08
Lhcgr_j1	0.46144	0.477618	0.0497151	0.874118	0.959954
Nrxn1_j7	3.66026	4.10518	0	1	1
Nrxn1_j11	0.405722	2.05877	0	1	1
XLOC_014665	5.18E-05	0.24717	12.2196	0.97831	0.993756
Cul2_j1	9.12929	8.77363	0	1	1
Cul2	19.72	18.7674	0	1	1
Bambi_j1	7.01874	5.68713	-0.303511	0.0360102	0.209396
AK014726	0.136906	0.0388124	-1.8186	0.245572	1
Mtpap	0.799214	0.812314	0.0234562	0.920159	0.974961
9430020K01Rik	4.06308	4.5493	0.16307	0.134703	0.456813
Svil_j2	0.34781	0.417876	0.264777	0.366238	0.700066
Svil_j7	0.369151	0	-1.79769e+308	4.34E-17	1.12E-14
Svil_j8	0.144723	0.145752	0.0102269	0.984486	0.995386
Zeb1	8.28517	6.80606	0	1	1
Zeb1_j3	0.678083	2.47851	0	1	1
Zeb1_j4	0.986988	0.59077	0	1	1
Rab18_j2	0.582975	0.439895	-0.406274	0.457024	0.760235
Rab18_j3	20.6385	22.3473	0.114764	0.437675	0.747822
XLOC_015608	0.172325	0.178209	0	1	1
Wac	5.79806	5.09727	0	1	1
Greb1_j3	0.141351	0	-1.79769e+308	2.89E-08	1.83E-06
Snrpd1	7.42944	7.20238	-0.0447794	0.782989	0.926817
Mib1_j1	7.90048	8.19617	0.0530098	0.625614	0.853954
Mib1	0.661293	0.150539	-2.13516	3.57E-08	2.18E-06
Rbbp8_j2	0.0713422	0.00181918	-5.2934	0.274912	1
Rbbp8_j1	0.586379	0.440278	-0.413418	0.232157	0.579191
XLOC_015615	0.107124	0.0743015	-0.527822	0.622619	1
Cables1	1.18865	0.89023	-0.41707	0.121196	0.433545
Cables1_j3	0.281041	0.27912	-0.00989615	0.989011	0.996607
XLOC_015618	0.101851	0.0926404	0	1	1
Riok3	0.160205	0.152553	0	1	1
Riok3_j2	6.07037	7.12328	0	1	1
3110002H16Rik_j1	0.403069	0.45134	0.163187	0.646727	0.863884
3110002H16Rik_j2	3.78488	5.35382	0.500322	0.0060655	0.059066
Lama3_j1	0.113059	0.0574913	-0.975662	0.307817	1

Lama3_j2	0.180677	0.0864385	-1.06367	0.243458	0.590641
Lama3_j6	0.269113	0.169625	-0.665861	0.055741	0.275981
Ttc39c	9.77756	8.89302	-0.136802	0.184595	0.525019
Ttc39c_j3	0.221324	0.237601	0.102386	0.900923	0.968541
Ttc39c_j4	9.06046	10.7503	0.246715	0.227741	0.574815
Cabyr_j2	1.22243	1.0555	0	1	1
Cabyr_j3	0.118976	0.15847	0	1	1
Impact	1.13168	1.03865	-0.123746	0.427819	0.741888
Impact_j2	16.0513	16.1365	0.00763704	0.956736	0.987617
XLOC_015626	0.200602	0.0480579	-2.06149	0.299671	0.646333
Taf4b_j1	1.36779	1.17195	0	1	1
Gm4835	2.57225	2.42705	-0.0838235	0.906636	0.970402
Gm4835_j1	6.484	6.81838	0.072545	0.845854	0.951315
Dsg1b_j1	0.133029	0.0691831	-0.943254	0.200527	1
Ttr	0.307195	0.270368	-0.184228	0.663557	0.872642
Rnf138	0.976488	0.317212	-1.62215	0.000338	0.0058883
Asxl3_j1	0.279269	0.0956784	0	1	1
Asxl3_j3	0.628325	0.273923	0	1	1
Dtna	5.96422	7.1556	0	1	1
Dtna_j4	2.06309	2.35336	0	1	1
Dtna_j7	2.64032	3.75634	0	1	1
Mapre2	84.9543	73.5975	0	1	1
Zfp397_j3	0.155136	0.172729	0	1	1
Zfp397_j2	1.11972	1.00687	0	1	1
Zfp35_j1	0.876151	0.427476	-1.03534	0.0100293	0.0856946
Zfp35	7.40779	7.72799	0.0610494	0.606157	0.844912
Galnt1	11.3876	11.6988	0.0389035	0.712913	0.896075
Galnt1_j1	0.0309574	0.929712	4.90843	0.0007181	0.0109514
2700062C07Rik_j3	0.139363	0.091305	-0.610083	0.610683	0.846532
Elp2	4.25389	3.61423	0	1	1
Elp2_j3	10.7261	11.5254	0	1	1
Mocos_j2	0.309876	0.189594	-0.708778	0.166965	0.503276
Mocos_j1	0.0392234	0.0579041	0.561949	0.517785	1
Mocos	0.181312	0.202871	0.162084	0.708185	0.893746
Pik3c3	15.7079	13.216	-0.249205	0.0150511	0.115173
XLOC_015653	0.269479	9.54E-05	-11.4645	0.953663	0.98654
XLOC_015653	0.0823601	0.0362274	-1.18487	0.45278	1
Sap130	0.471095	0.40076	0	1	1
Sap130_j2	3.92259	4.02214	0	1	1
Ammecr1l	7.19504	6.39977	0	1	1
Polr2d	7.81705	8.97075	0.198605	0.135932	0.458707
Wdr33_j5	2.02102	1.60993	-0.328081	0.0227704	0.154096
Wdr33_j7	0.0771823	0.0263454	-1.55072	0.334018	1
lws1_j3	0.817762	1.32271	0	1	1
lws1	2.02142	1.89028	0	1	1
Ercc3	12.8629	12.6565	-0.0233371	0.829619	0.944941
Bin1_j2	0.327367	0.297801	0	1	1

Wdr36	0.356493	0.279645	0	1	1
Camk4	0.746113	1.32682	0.830509	2.05E-07	1.01E-05
AK010403	3.76321	4.13044	0.134331	0.603709	0.843458
Apc_j2	2.72471	1.84667	0	1	1
Apc_j11	10.9968	16.78	0	1	1
Srp19	29.8181	31.5872	0.0831528	0.542675	0.810409
Fam53c	0.280397	0.142161	0	1	1
Fam53c	13.2275	16.2172	0	1	1
Kdm3b	2.89765	2.85683	0	1	1
Reep2	13.6004	14.9153	0.133143	0.391814	0.718161
Reep2	61.6788	66.7938	0.114938	0.225803	0.572932
Egr1	2.11441	2.70687	0.35637	0.0441558	0.239447
Ctnna1	27.784	29.2902	0	1	1
Ctnna1_j4	1.92128	0.8664	0	1	1
Ctnna1_j5	17.4878	20.053	0	1	1
Matr3	34.0131	31.7301	0	1	1
Matr3_j1	0.82033	1.13413	0	1	1
Paip2	130.563	153.769	0.236027	0.0063817	0.0614449
Ube2d2_j1	0.327373	0.194092	-0.754191	0.040228	0.224622
Ube2d2_j5	0.627544	1.10618	0.817799	0.0278227	0.176832
Cxhc5_j1	1.54081	1.17563	0	1	1
Cxhc5_j2	7.08321	6.86861	0	1	1
Cxhc5_j5	3.1954	1.8171	0	1	1
0610010012Rik_j5	28.3169	30.2269	0.0941667	0.298576	0.645259
Tmco6	6.43889	6.53459	0.0212838	0.861389	0.956164
Ik_j4	7.24654	7.45545	0	1	1
Wdr55	6.37861	6.74129	0.0797827	0.620588	0.851207
Hars2	5.69883	5.96841	0.0666816	0.583109	0.833121
Zmat2	44.2271	44.4886	0.00850604	0.925807	0.976962
Pcdha2_j1	9.10525	7.15209	0	1	1
Pcdha2_j2	5.24395	3.91442	0	1	1
Pcdha2_j4	0.291216	0	0	1	1
Pcdhb4	1.05269	0.85334	-0.302883	0.118879	0.428974
Pcdhb5	0.758612	0.964788	0.346849	0.0902065	0.368765
Pcdhb7	1.03456	1.2137	0.230389	0.228333	0.575412
Pcdhb9	1.56771	0.893692	0	1	1
Pcdhb10	1.0583	0.925311	0	1	1
Pcdhb12	0.502392	0.447447	0	1	1
Pcdhb13	0.865195	0.71267	-0.279792	0.185831	0.526194
Pcdhb15	0.463921	0.487176	0.0705664	0.796231	0.932066
Pcdhga3	3.91037	3.50371	-0.158422	0.301648	0.647961
Pcdhgc3	14.1782	13.2101	-0.102033	0.32455	0.667524
Rel2	45.9167	34.9253	0	1	1
XLOC_015708	0.559618	0.397249	-0.4944	0.198989	0.542173
XLOC_015708	0.290097	0.244645	-0.245845	0.472986	0.769762
XLOC_015709	0.315367	0.0817849	-1.94713	0.2022	0.54575
0610009020Rik	5.67271	5.54887	0	1	1

0610009O20Rik_j5	3.1022	4.36857	0	1	1
XLOC_015713	0.120058	0.120736	0.00812982	0.991515	1
Rnf14	86.8515	85.3244	-0.0255936	0.765356	0.919757
Rnf14_j3	7.06346	5.47382	-0.367827	0.0468766	0.248315
XLOC_015714	0.265725	0.122643	-1.11547	0.28904	0.63673
XLOC_015716	0.206034	0.047156	-2.12737	0.025459	0.16641
XLOC_015716	1.23955	0.527801	-1.23175	0.0046127	0.0477981
Ndfip1_j1	40.9716	44.4204	0	1	1
Ndfip1	289.957	250.969	0	1	1
Arhgap26_j1	3.8153	3.15511	0	1	1
mKIAA1317_j2	0.613956	0.0906567	0	1	1
mKIAA1317_j4	2.77537	2.20934	0	1	1
Kctd16	1.29007	0.79948	0	1	1
Rbm27_j3	2.38736	2.44139	0	1	1
Rbm27_j2	0.165321	0.0680149	0	1	1
Pou4f3_j1	9.19117	6.27634	-0.550325	3.47E-05	0.0008741
Pou4f3	2.2917	1.70252	-0.428745	0.0547567	0.273004
Tcerg1	0.640198	0.137562	0	1	1
Stk32a_j1	0.386204	0.220863	0	1	1
Stk32a	1.7715	1.4251	0	1	1
Dcp2	0.766163	0.733175	0	1	1
Ythdc2	1.75454	1.22794	-0.514855	0.0038005	0.0413654
Ythdc2_j1	0.155971	0.0332618	-2.22934	0.0175673	0.128641
Kcnn2	1.2573	0.941625	-0.417101	0.0856704	0.357343
Kcnn2_j3	1.85348	2.03923	0.137786	0.747137	0.911904
Eif1a	22.8792	25.1525	0.136666	0.137528	0.461289
Ap3s1_j2	0.230307	0.278664	0	1	1
Commd10	7.45315	8.14251	0.127624	0.377931	0.709571
Commd10_j2	0.28718	0.784376	1.44959	0.0200561	0.141128
Dmxl1_j13	3.62208	2.81381	0	1	1
Tnfaip8	1.81309	1.93359	0.0928284	0.689868	0.885136
Hsd17b4	15.0074	14.1207	-0.0878659	0.367439	0.700969
Cd63-ps	87.6126	154.262	0.816175	0	0
Prr16	0.268774	0.457264	0.766633	0.0582719	0.283399
Prr16_j1	0.158249	0.0435021	-1.86304	0.237632	0.584414
Srfbp1	2.06111	1.8907	-0.124497	0.392232	0.718577
Sncaip_j2	0.265709	0.192427	-0.465536	0.378783	0.710354
Snx2_j4	0.0520757	0.910544	4.12805	0.0019308	0.0242927
Snx24	3.42893	3.32933	-0.0425243	0.802473	0.934285
Csnk1g3_j1	0.194752	0.149111	-0.385257	0.441439	0.750188
Csnk1g3_j3	1.09156	1.33809	0.293778	0.331317	0.673024
AK036466_j3	0.679333	0.480405	-0.499868	0.198467	0.541655
AK036466_j6	0.282351	0.13877	-1.0248	0.107941	0.408438
XLOC_015755	0.112595	0.027593	-2.02877	0.326151	1
Gramd3	0.519016	0.839418	0.693609	0.0174006	0.127813
Phax	10.9515	13.2039	0	1	1
Phax_j1	5.76369	6.05734	0	1	1

Lmnb1	0.982959	1.10193	0.164834	0.474865	0.77086
Prrc1	7.91092	7.76752	-0.0263913	0.800353	0.933449
Ctxn3_j4	7.85457	5.7845	0	1	1
Ctxn3	10.743	9.46502	0	1	1
Ctxn3_j6	1.65503	1.05859	0	1	1
Slc12a2	8.00123	6.37468	-0.327868	0.0027431	0.0321314
Slc12a2_j5	1.07137	0	-1.79769e+308	1.13E-18	3.09E-16
Gm17593_j1	0.179921	0.174711	-0.0423914	0.935554	0.980308
Isoc1	11.1676	9.56413	0	1	1
A730017C20Rik	3.9445	2.6651	0	1	1
A730017C20Rik	0.346584	0.126868	0	1	1
Chsy3	0.0560494	0.0302887	-0.88792	0.477194	1
ligp1	0.586349	0.431185	0	1	1
ligp1_j2	0.281489	0.309458	0	1	1
Dctn4	36.9925	39.2588	0	1	1
Rbm22	7.3041	7.83396	0.101035	0.434305	0.74545
Rps14_j5	0.304016	0.426442	0	1	1
Cd74	7.67333	10.6472	0.472553	0.0028713	0.0332496
Cd74	31.9685	63.3116	0.985817	0	0
Camk2a_j1	23.5845	18.4049	0	1	1
Camk2a_j4	15.0037	15.521	0	1	1
Pdgfrb	1.60192	1.03807	0	1	1
Pdgfrb	2.87677	2.93775	0	1	1
Pdgfrb_j3	2.49554	2.9935	0	1	1
Csf1r_j1	0.218105	0.0744018	0	1	1
AK032118	0.272182	0.193604	-0.491467	0.209413	0.55378
Csnk1a1	2.33843	2.10091	0	1	1
Csnk1a1_j4	0.0851552	0.0248486	0	1	1
AK143260_j2	0.177694	0	-1.79769e+308	0.0111241	0.092746
1500015A07Rik	0.415122	0.206457	0	1	1
Sh3tc2	0.712517	0.511954	-0.476911	0.0835102	0.352296
Htr4_j1	1.76251	0.946092	-0.897576	7.90E-08	4.38E-06
Htr4_j6	1.33297	0.986038	-0.434925	0.0410333	0.227643
Spink10	0.348902	0.639086	0	1	1
Spink10_j1	0.202988	0.488347	0	1	1
Apccd1	2.27731	2.51338	0.142298	0.426092	0.740906
Napg	48.8605	43.0777	-0.181727	0.0353559	0.207174
Wdr7	0.773704	0.324111	-1.25529	0.0001766	0.0034651
St8sia3_j3	0.0744219	0	-1.79769e+308	2.31E-05	1
St8sia3_j4	12.3258	9.74612	-0.338778	0.0002131	0.0040424
Onecut2	2.31025	1.78242	0	1	1
XLOC_015798	1.27892	3.8173	1.57763	1.05E-05	0.0003234
Nedd4l_j5	3.56398	2.35586	0	1	1
Nedd4l_j12	0.531964	0.20608	0	1	1
Malt1_j3	0.269328	0.173786	-0.632056	0.0772276	0.336332
mKIAA1629_j3	1.09965	0.772029	0	1	1
Sec11c	40.8629	39.8067	-0.0377827	0.713673	0.896209

Grp	0.332598	1.64526	2.30646	8.05E-08	4.45E-06
Pmaip1_j1	0.464238	0.673347	0.536486	0.166603	0.502929
Pmaip1	0.734381	1.42713	0.958518	0.0001383	0.0028061
Gnal_j3	1.63819	0.108064	0	1	1
Impa2	1.4733	0.737364	-0.998599	1.25E-06	5.02E-05
Cidea	2.58478	1.85731	-0.476828	0.0264061	0.170746
Tubb6	1.11477	2.72087	0	1	1
Slmo1_j1	0.654946	0.149531	-2.13093	0.0021873	0.0267806
Slmo1	0.629114	0.536823	-0.228875	0.570616	0.826452
Slmo1_j4	0.485655	0 -1.79769e+308		1.42E-07	7.33E-06
Psmg2	4.04066	3.73035	-0.115282	0.589236	0.836005
Seh1l	0.0615683	0.0314333	-0.969893	0.447304	1
Cep192_j1	0.108563	0.0559458	-0.95643	0.130938	1
Cep192_j7	0.0490345	0.0165324	-1.5685	0.243349	1
D18Ert653e_j1	0.190149	0.160319	0	1	1
D18Ert653e_j3	0.669379	0.410792	0	1	1
Rnmt	6.36308	5.51569	0	1	1
Tcf4_j1	1.48026	0.715743	0	1	1
Tcf4	0.847477	1.16643	0	1	1
Tcf4	1.3504	1.40916	0	1	1
Ccdc68_j3	8.3454	7.11079	0	1	1
Ccdc68	5.71791	5.31838	0	1	1
Mbd2	16.3924	16.7174	0.0283215	0.794171	0.931387
Mbd2_j3	10.8683	10.6928	-0.0234818	0.828275	0.944579
Mex3c_j1	1.10237	0.462942	-1.25171	0.0005475	0.0088019
Mro_j12	0.0568257	0 -1.79769e+308		0.0517567	1
AK036329_j2	0.0694609	0.0673737	-0.0440149	0.9714	1
AK036329_j1	0.0860693	0.01445	-2.57443	0.210576	1
Cxxc1_j1	1.08486	1.63831	0	1	1
Mbd1_j8	0.398178	0.25672	0	1	1
Mbd1_j6	2.03308	1.87656	0	1	1
Mbd1_j9	0.946565	0.337508	0	1	1
Acaa2	23.8913	23.5477	-0.0208988	0.838945	0.948659
BC031181	75.0367	78.3752	0	1	1
Dym_j3	8.18175	7.62457	0	1	1
Dym_j2	3.90987	3.86841	0	1	1
Smad7	1.79815	1.44666	-0.313789	0.0960031	0.382589
Zbtb7c	0	0.489384	0	1	1
Smad2	5.50556	5.74247	0.0607828	0.543379	0.8108
Smad2_j2	1.34746	0 -1.79769e+308		2.01E-12	2.72E-10
Skor2_j3	0.910872	0.905308	0	1	1
Skor2	2.12647	1.48466	0	1	1
Ier3ip1	31.1007	30.5877	-0.0239934	0.816558	0.940275
Hdhd2	11.4679	10.1733	-0.172811	0.0749318	0.33029
Pias2	2.03159	1.16695	-0.799864	0.0094145	0.0819653
Pias2	4.4006	4.01504	-0.132286	0.300852	0.647316
St8sia5_j3	0.0651022	0 -1.79769e+308		0.0033258	1

St8sia5_j2	0.0780924	7.48E-05	-10.0271	0.887304	1
St8sia5_j1	0.000240499	0.114001	8.88881	0.650798	1
Atp5a1	185.877	172.362	0	1	1
Atp5a1_j2	119.061	73.2928	0	1	1
Pstpip2_j1	0.74366	0.457504	-0.700859	0.209948	0.554471
Pstpip2	11.6741	9.13627	-0.353635	0.0024326	0.0292038
5430411K18Rik_j1	0.0669254	0.0402965	0	1	1
5430411K18Rik	0.694998	0.531516	0	1	1
5430411K18Rik_j4	0.101231	0	0	1	1
Pard6g	2.71881	2.90891	0.0975011	0.523295	0.799177
Txn14a	66.6538	66.5848	0	1	1
XLOC_015853	0.242366	0.154826	-0.646541	0.100103	0.391665
Zfp516	0.783995	0.671527	0	1	1
Zfp516_j4	0.07049	0	0	1	1
XLOC_015858	0.309783	0.230704	-0.42522	0.601473	0.842291
Zadh2	10.1069	9.74432	0	1	1
Zadh2_j1	0.534144	1.06864	0	1	1
Cyb5	54.1406	68.808	0.345865	0.0003428	0.0059536
Neto1	1.2567	2.33269	0	1	1
Cbln2	0.988034	1.08401	0	1	1
Rttn_j1	0.149933	0 -1.79769e+308		2.97E-06	0.0001077
Rttn_j2	1.38E-05	0.110617	12.9653	0.979528	1
Rttn_j9	0.0905477	0.00133804	-6.08049	0.415737	1
Rttn_j8	0.0928591	0.0857134	-0.115523	0.893711	1
Rttn_j15	0.405522	0.199799	-1.02123	0.24878	0.59633
Tmx3	28.1294	24.2777	0	1	1
Tmx3_j1	0.559078	0.168994	0	1	1
Crem_j3	1.27968	1.77415	0	1	1
Crem_j5	0.288105	0.353444	0	1	1
Map3k8_j5	0.079366	0 -1.79769e+308		0.0200383	1
Map3k8_j3	0.0870283	0 -1.79769e+308		0.0206154	1
cot	0.0570523	0.0336838	-0.760232	0.615149	1
Zfp438_j4	0.0979618	3.53E-05	-11.4366	0.955576	1
Zfp438	0.472155	0.47919	0.0213371	0.951308	0.985905
Zfp438_j5	0.399805	0.222208	-0.847385	0.0894453	0.366698
Gm10125_j1	0.196057	0.214133	0.127232	0.814193	0.939438
Gm10125_j5	0.481394	0.258072	-0.899446	0.263323	0.612223
Arhgap12_j5	4.91357	6.09003	0	1	1
Arhgap12_j6	0.468523	0.249661	0	1	1
Arhgap12	4.59405	4.22715	0	1	1
Arhgap12	1.02861	0.598955	0	1	1
Kif5b_j4	51.7105	45.7507	0	1	1
Kif5b_j5	3.3985	1.02456	0	1	1
Epc1_j1	2.28561	3.00496	0	1	1
Epc1	2.05631	2.22626	0	1	1
Epc1	1.3239	1.09826	0	1	1
Mkx_j1	1.52413	1.09187	-0.481185	0.0812024	0.346945

Mkx	0.526958	0.332694	-0.66349	0.0311878	0.190492
Mpp7_j4	0.171152	9.23E-05	-10.8572	0.834125	0.946622
Mpp7_j2	4.02E-05	0.0780488	10.9216	0.912483	1
Mpp7_j3	1.37699	1.48314	0.107141	0.556827	0.819299
Ccny	9.94127	10.3825	0.0626582	0.515296	0.794119
Rock1_j3	1.71255	1.74008	0	1	1
Rock1	0.849781	0.635722	0	1	1
Abhd3	11.2406	9.15774	-0.295659	0.0133597	0.106021
BC030050	0.36878	0.186283	-0.985267	0.0249575	0.164057
6030446N2ORik	1.45653	1.4298	-0.0267191	0.880687	0.962006
6030446N2ORik_j2	0.282409	0.180244	-0.647841	0.184831	0.525128
Npc1	8.53438	7.96787	-0.0990914	0.344872	0.684393
Ankrd29_j2	3.35693	2.38175	0	1	1
Ankrd29_j3	0.472344	0.306319	0	1	1
Ankrd29	5.01927	3.5793	0	1	1
Osbp1a	3.06289	0.861187	0	1	1
Zfp521_j6	3.6436	3.09292	0	1	1
Zfp521_j4	1.00203	0.828327	0	1	1
Ss18_j5	0.139573	0.00192688	0	1	1
Ss18_j4	0.217793	0.0140478	0	1	1
Ss18_j6	0.128621	0.182847	0	1	1
Kctd1	2.91674	2.94221	0.0125481	0.939382	0.981541
Kctd1_j1	0.673804	0.718237	0.09213	0.791685	0.930476
Aqp4	0.21356	0.419632	0	1	1
Aqp4	1.12676	0.381593	0	1	1
Chst9_j2	0.166448	0.129592	-0.361102	0.584102	0.833298
Chst9_j1	0.424985	0.257329	-0.723798	0.0818681	0.348597
Cdh2_j3	10.8328	13.7399	0.342969	0.0012817	0.0174408
Cdh2	7.35869	6.51391	-0.175924	0.135964	0.458734
B4galt6_j1	3.23104	1.52802	0	1	1
Trappc8_j7	0.386802	0	0	1	1
Trappc8_j3	4.94041	4.32308	0	1	1
Trappc8_j2	3.25524	1.60206	0	1	1
Fam59a_j3	1.22045	1.40375	0	1	1
Fam59a_j2	0.996553	0.757434	0	1	1
Fam59a	1.79295	1.16806	0	1	1
Nol4_j5	0.415551	0.0821251	-2.33913	0.001822	0.0232172
Nol4	0.152651	0.0351184	-2.11993	0.0149211	0.114486
XLOC_015910	0.166918	0.0319396	0	1	1
Zfp397os_j3	0.0888696	0.12337	0	1	1
Zfp191_j1	2.99516	2.01935	0	1	1
Zfp191	1.55033	1.87155	0	1	1
Zfp191	3.71242	3.8705	0	1	1
Ino80c	7.58102	6.68024	-0.182493	0.172178	0.509416
Rprd1a	5.91887	4.25478	0	1	1
Rprd1a_j2	5.11348	3.6357	0	1	1
Slc39a6	22.0184	25.4938	0.211436	0.0202884	0.142297

5730494M16Rik	9.11651	7.53366	-0.275131	0.0039537	0.0425339
Celf4_j11	4.21164	5.39459	0	1	1
Celf4_j12	2.64063	3.09242	0	1	1
Celf4	0.65834	0.118868	0	1	1
XLOC_015919	8.73912	7.83674	0	1	1
Rit2	41.6805	31.8697	-0.387185	5.55E-05	0.0013034
Syt4_j3	49.6544	60.4621	0	1	1
Slc25a46_j3	8.28929	10.941	0	1	1
Slc25a46	13.768	12.2735	0	1	1
Gypc	2.87835	3.07949	0.0974486	0.553294	0.817135
Stard4	15.3902	13.9695	-0.139727	0.13691	0.460113
DOH4S114	4.38364	6.14061	0	1	1
DOH4S114	5.25972	3.63324	0	1	1
Epb4.1l4a_j5	0.359573	0.498112	0	1	1
Epb4.1l4a	1.49402	2.94278	0	1	1
Reep5	648.055	579.884	-0.160352	0.11331	0.418962
Fam13b_j4	4.70438	3.18831	0	1	1
Fam13b_j3	1.65978	1.34713	0	1	1
Fam13b	2.54285	0.542855	0	1	1
Fam13b_j5	0.199244	0.0850523	0	1	1
Nme5	0.592228	0.315796	-0.907157	0.192328	0.534585
Nme5_j1	0.66998	0.730563	0.124891	0.833087	0.946305
Brd8	0.0778259	0.00850073	-3.19459	0.0602315	1
Brd8_j2	0.245272	0 -1.79769e+308		1.71E-06	6.60E-05
Cdc23	9.35137	10.8945	0.220346	0.0410343	0.227643
Gfra3_j3	4.88166	6.71251	0	1	1
Gfra3	6.65205	10.4707	0	1	1
Etf1	23.8832	25.1723	0.0758439	0.405482	0.727199
Hspa9_j1	41.1992	39.6253	0	1	1
Hspa9	13.0266	11.9281	0	1	1
XLOC_015948	0.147138	0.0702907	-1.06576	0.312656	0.657209
Lrrtm2	5.13057	4.23635	0	1	1
Sil1	6.50813	6.2002	0	1	1
Spata24	0.637191	0.625917	-0.0257553	0.888359	0.964658
Spata24	2.0938	1.89128	-0.14676	0.64244	0.862006
Dnajc18	14.8452	11.4994	0	1	1
Ecscr_j5	0	0.118078 1.79769e+308		0.091423	1
Ecscr_j4	0.946744	0.931522	-0.0233848	1	1
Tmem173	3.32435	4.63476	0.47942	0.0017714	0.0226731
Nrg2_j1	0.154155	0 -1.79769e+308		0.0055349	0.0548302
Nrg2_j2	0.774115	0.304398	-1.34659	0.005141	0.0517901
Hbegf	3.10727	3.18587	0.0360391	0.823698	0.943114
Apbb3_j3	0.0539426	0 -1.79769e+308		0.0003862	1
E230025N22Rik_j1	0.253342	0.126211	-1.00524	0.0808383	0.346133
Ndufa2	38.8527	40.9778	0.0768274	0.457369	0.760373
Hars_j6	66.353	74.1245	0.15979	0.0708821	0.320021
Hars_j7	0.262235	7.49835	4.83764	0	0

Taf7	8.5055	7.02125	-0.276667	0.0462555	0.246499
Diap1_j9	0.0840625	0.051037	-0.719918	0.514128	1
Diap1_j11	1.50001	1.51402	0.0134112	0.950696	0.985774
Hdac3	24.0547	23.8472	0	1	1
Fchsd1	3.8028	3.19762	0	1	1
Arap3_j8	0.112105	0 -1.79769e+308		2.96E-05	1
XLOC_015973	0.0998485	0.0147791	-2.75619	0.175124	1
XLOC_015975	0.178236	0.126372	-0.496115	0.44982	0.755765
Pcdh1_j2	4.37401	6.91537	0.660848	1.89E-06	7.22E-05
Pcdh1_j4	5.14826	4.83301	-0.0911645	0.44203	0.750413
Pcdh1_j5	2.83398	1.91834	-0.56297	0.0003397	0.0059119
Pcdh1_j3	8.34475	8.28527	-0.0103192	0.919584	0.974745
Pcdh12	0.269761	0.149586	-0.850708	0.0086346	0.0768784
XLOC_015982	0.141909	0.140464	0	1	1
Spry4_j1	0.988749	0.143709	0	1	1
Spry4	1.98236	1.19111	0	1	1
Fgf1_j5	13.0402	7.55546	0	1	1
Fgf1_j7	8.84609	7.45917	0	1	1
Nr3c1_j2	0.339102	0.000122328	0	1	1
Yipf5	7.17839	7.45996	0.0555081	0.632855	0.857313
Prelid2_j2	0.207781	0.144727	-0.521726	0.474205	0.770585
Prelid2	0.0193651	0.0907611	2.22861	0.268321	1
Grxcr2	2.80547	4.49224	0.679194	1.64E-05	0.0004718
Lars	14.1013	13.8595	0	1	1
XLOC_015994	0.16344	0.379257	1.21442	0.147745	0.476406
XLOC_015994	0.133984	0.28352	1.08139	0.143466	0.470591
Ppp2r2b_j5	8.73096	15.9413	0	1	1
Ppp2r2b_j6	1.12543	0.29515	0	1	1
Ppp2r2b_j7	31.1041	31.9252	0	1	1
Dpysl3	15.7479	13.7241	0	1	1
Dpysl3	7.56951	8.66611	0	1	1
Jakmip2	3.03779	3.05845	0	1	1
Jakmip2_j6	2.73903	2.43486	0	1	1
Mcc_j2	0.391335	0.272333	0	1	1
Mcc_j5	0.363677	0.177411	-1.03557	0.0640255	0.300273
Trim36_j7	9.43638	1.80678	0	1	1
Trim36_j9	22.8724	17.8026	0	1	1
Trim36_j10	6.81265	3.53069	0	1	1
Pggt1b	1.10609	0.863395	0	1	1
Ccdc112	1.94008	2.5533	0.396247	0.0185136	0.133632
Fem1c	3.74144	3.84464	0	1	1
Tmed7	18.3742	16.149	-0.186232	0.0640464	0.30029
Cdo1	5.22302	4.42876	-0.237982	0.109246	0.41123
Atg12	16.0416	15.8141	0	1	1
Sema6a_j6	0.0789061	0	0	1	1
Sema6a_j5	0.53081	0	0	1	1
Sema6a	1.05695	2.25569	0	1	1

Dtwd2_j1	0.171033	0	-1.79769e+308	0.0030592	0.0349938
Dtwd2	0.674003	0.569038	-0.244229	0.494631	0.782586
Dtwd2	0.0896833	0.0984167	0.134064	0.88394	1
Ppic	2.01836	2.31053	0.195038	0.389489	0.716664
Cep120	19.7595	20.0267	0.0193823	0.831506	0.945742
Zfp608_j4	0.065869	0	-1.79769e+308	0.0025659	1
Zfp608	0.579737	0.411505	-0.494489	0.0911814	0.371149
Zfp608_j3	0.19548	0.451601	1.20803	0.0005546	0.0088961
Aldh7a1	6.05398	5.85456	0	1	1
March3_j2	2.11872	1.64233	-0.367444	0.0938435	0.377427
C330018D20Rik	0.33828	0	-1.79769e+308	7.15E-08	4.04E-06
C330018D20Rik	0.936053	1.14135	0.286074	0.254207	0.602522
Fbn2_j4	0.10258	0.0196599	-2.38342	0.116982	1
2010002N04Rik	2.40651	6.9611	0	1	1
2010002N04Rik_j2	4.50929	12.8733	0	1	1
Synpo	2.7183	2.86438	0	1	1
Synpo_j5	0.0662216	0	0	1	1
Synpo	1.36403	0.906378	0	1	1
Ndst1_j5	5.41976	6.97754	0	1	1
Ndst1_j6	2.53201	4.4477	0	1	1
Ndst1_j4	3.78296	2.03308	0	1	1
Tcof1	2.81876	3.29852	0.226756	0.112502	0.417337
Slc6a7	0.80941	0.331722	-1.28689	0.0003615	0.0062152
Hmgxb3	3.56816	3.90774	0	1	1
Slc26a2_j1	0.0609027	1.02E-05	-12.5379	0.964705	1
Slc26a2	0.492406	0.525344	0.0934146	0.636527	0.859104
Ppargc1b	0.845588	0.738431	0	1	1
Arhgef37_j9	0.0763514	0	-1.79769e+308	0.0004824	1
Arhgef37_j8	0.267869	0	-1.79769e+308	2.56E-11	2.89E-09
Pcyox1l	9.29083	8.1868	0	1	1
Grpel2_j2	1.39106	1.4779	0	1	1
Grpel2	0.252856	0.793411	0	1	1
Afap1l1	1.51006	1.57486	0.0606153	0.751002	0.913682
Ablim3_j5	1.13754	0.963066	0	1	1
Ablim3	3.58276	3.56674	0	1	1
Ablim3_j4	4.50117	4.62151	0	1	1
Adrb2	0.353881	0.532238	0.588805	0.069339	0.315719
Fbxo38_j1	1.98029	2.08482	0	1	1
Fbxo38	3.17798	2.35192	0	1	1
2700046A07Rik_j1	0.351066	0.222344	-0.658951	0.298342	0.644925
Fam38b_j3	14.9981	16.5446	0	1	1
Fam38b_j4	23.667	21.9742	0	1	1
Fam38b_j5	0.122412	0.0209007	0	1	1
Fam38b_j6	0.0641365	0	0	1	1
Txnl1_j1	23.0966	21.253	-0.120014	0.20324	0.547195
Txnl1_j2	53.9539	54.8519	0.0238143	0.81003	0.937853
BC048666_j1	0.138881	0.0755093	-0.879122	0.203295	0.547229

Fech_j3	6.22451	5.66455	0	1	1
Fech	16.5029	16.0136	0	1	1
Nars_j2	20.0111	31.4524	0	1	1
Nars	37.883	32.158	0	1	1
Lman1	4.98983	6.10226	0.290352	0.0248499	0.163552
Lman1	0.995665	0.562316	-0.824279	0.0055703	0.0551252
Afg3l2	3.30992	0	0	1	1
Afg3l2_j4	3.44802	0	0	1	1
Spire1_j1	7.3099	6.37728	0	1	1
Cep76	0.316389	0.312101	-0.0196841	0.957832	0.987996
Ptpn2_j1	1.99622	1.86043	-0.101636	0.721052	0.90017
Ptpn2	0.43319	0.53556	0.306049	0.384695	0.713387
Ptpn2_j4	0.466362	0.575899	0.304366	0.645691	0.863371
4933403F05Rik	1.85276	1.59019	0	1	1
Rab27b	8.28511	6.1699	-0.425273	4.80E-05	0.0011524
Rab27b	1.94	1.32004	-0.555476	0.0032224	0.0365006
4930503L19Rik_j4	0.338898	0.59941	0	1	1
4930503L19Rik	1.16584	0.913273	0	1	1
Poli_j3	0.37214	0 -1.79769e+308		1.34E-06	5.33E-05
Poli	1.1267	1.21391	0.107567	0.667279	0.874166
Poli	0.40963	0.241623	-0.761562	0.181019	0.520897
Smad4	7.07641	6.12182	0	1	1
Elac1_j2	0.48818	0.772824	0	1	1
Elac1_j3	1.16985	0.34111	0	1	1
Elac1	3.45458	3.29009	0	1	1
Me2	0	0.0797195 1.79769e+308		0.0017577	1
Mapk4_j2	0.672401	0.697067	0	1	1
Mapk4_j3	0.892676	0.000187729	0	1	1
Mapk4	2.39907	2.77912	0	1	1
XLOC_016067	0.113974	0.127682	0.16384	0.859698	1
RP24-263P17.1_j4	0.239619	0 -1.79769e+308		0.0001031	0.0022135
RP24-263P17.1_j3	0.154689	0.0446159	-1.79374	0.0718994	0.322435
RP24-263P17.1_j1	0.291979	0.397001	0.443281	0.29667	0.643426
Gm672_j1	25.5802	23.6822	0	1	1
Gm672_j7	3.41632	1.88914	0	1	1
Gm672_j8	1.21706	0	0	1	1
Gm672_j11	4.86341	2.66639	0	1	1
XLOC_016078	0.133084	0.10155	-0.390148	0.703537	1
XLOC_016078	0.153005	0.00911598	-4.06904	0.252317	0.600308
XLOC_016078	0.0532974	0 -1.79769e+308		0.068158	1
XLOC_016078	0.17313	0.0834432	-1.05299	0.153864	0.4867
Katnal2_j1	0.0512858	0.000235203	-7.76851	0.885695	1
Katnal2_j2	0.195623	0.0972442	-1.00839	0.256175	0.605009
Katnal2_j11	0.0947086	0.0769511	-0.299554	0.811284	1
Rnf165	0.338154	0.381452	0.173821	0.535782	0.80631
8030462N17Rik_j1	1.36514	1.08734	0	1	1
8030462N17Rik_j3	0.449104	0.286463	0	1	1

8030462N17Rik_j2	1.58071	1.39823	0	1	1
A330094K24Rik_j1	0.385705	0.313514	-0.298966	0.516816	0.795273
A330094K24Rik_j3	0.073023	0 -1.79769e+308	0.0262777		1
A330094K24Rik_j4	0.0777023	0 -1.79769e+308	0.0236512		1
A330094K24Rik	0.291103	0.176272	-0.723728	0.251113	0.598977
Slc14a1	0.185453	0.0414274	-2.1624	0.0364295	0.211083
Adnp2_j1	3.99998	4.41364	0.141976	0.258357	0.607047
Adnp2	0.506587	0.523815	0.0482479	0.870709	0.958769
Rbfa	11.1834	10.1543	0	1	1
Hsbp1l1	4.44365	3.78772	0	1	1
Kcng2_j3	0.0681172	0	0	1	1
Kcng2_j4	0.16291	0.067422	0	1	1
Ctdp1	1.16562	1.12268	-0.0541452	0.799694	0.933125
Nfatc1_j5	0.138629	0.0171036	-3.01886	0.0739259	0.327783
Nfatc1	0.232949	0.209141	-0.155537	0.741108	0.909246
Atp9b_j9	0.107844	0.025155	0	1	1
Atp9b	6.26472	5.21883	0	1	1
Galr1	0.377341	0.257023	-0.55397	0.0588327	0.285203
Zfp236_j4	0.545704	0.304683	0	1	1
Tshz1	3.59414	2.97541	0	1	1
Zfp407_j1	0.159455	0 -1.79769e+308	0.0008191	0.012198	
Cndp1_j2	0.219326	0.0343735	-2.67371	0.201195	0.544548
Cndp2	44.4667	55.5904	0.32211	0.0003109	0.0055008
1700034H14Rik	0.933976	1.1383	0.285422	0.277613	0.626491
1700034H14Rik_j2	0.166597	0.113213	-0.557315	0.492519	0.781115
Socs6_j1	0.112384	0 -1.79769e+308	4.24E-05		1
Socs6	0.324979	0.0539069	-2.59181	0.0004104	0.0069104
Socs6	0.481391	0.132276	-1.86366	0.0001099	0.0023303
Dok6	0.440912	0.548385	0	1	1
Cul2_j2	6.21107	9.19603	0	1	1
AK014726_j2	0.201999	0.181732	-0.152541	0.860562	0.955855
Mtpap	6.9341	6.86993	-0.0134136	0.918577	0.974658
XLOC_015605	11.7895	10.2219	-0.20584	0.353904	0.690091
Wac	2.91543	3.36903	0	1	1
Wac_j1	0.201662	0.195615	0	1	1
Thoc1	0.65383	0.660347	0	1	1
Greb1l_j5	0.22816	0.0591759	-1.94696	0.0238348	0.15895
Greb1l_j6	0.281758	0.34718	0.30123	0.477138	0.772607
Snrpd1_j1	4.90567	6.5945	0.426813	0.10572	0.403811
Rbbp8_j3	0.644068	0.681811	0.0821598	0.801052	0.933726
Rbbp8	0.2624	0.21347	-0.297734	0.477016	0.772559
Rbbp8_j6	0.5247	1.27464	1.28052	0.0105718	0.089065
3110002H16Rik	12.8977	14.4754	0.166485	0.112845	0.418103
Impact_j1	4.68959	4.24971	-0.142098	0.56143	0.821781
Taf4b_j2	0.96138	0.974606	0	1	1
Rnf138_j2	0.0103334	0.256892	4.63578	0.0159483	0.120124
Dtna_j2	2.20734	2.33591	0	1	1

Dtna_j5	0	0.536288	0	1	1
Mapre2_j1	28.3264	25.9518	0	1	1
Zfp397	0.16325	0.102523	0	1	1
Zfp397_j1	0.199413	0.300892	0	1	1
Elp2_j1	20.542	18.4772	0	1	1
Elp2_j2	0.408086	0	0	1	1
Mocos_j4	2.11557	1.81844	-0.218351	0.272717	0.621573
Fhod3	1.41971	1.05133	-0.433384	0.0053491	0.0533806
Fhod3_j1	2.47218	2.63826	0.093801	0.616448	0.848845
AW554918_j1	0.447213	0.0828818	-2.43184	1.99E-05	0.0005525
AW554918	0.409889	0.614281	0.583665	0.02654	0.171271
Sap130_j3	0.0825889	0.138712	0	1	1
Ammecr1_j4	4.76271	5.65283	0	1	1
Wdr33_j3	0.480132	0 -1.79769e+308		2.66E-22	7.90E-20
Wdr33_j4	0.228503	0.183062	-0.319886	0.349273	0.687028
Bin1_j5	0.780419	1.14535	0	1	1
Bin1_j4	1.34182	2.19835	0	1	1
Bin1_j3	0.276978	0.40804	0	1	1
Camk4_j5	1.1868	1.68236	0.503406	0.0266202	0.171653
Kdm3b_j1	0	0.0717433	0	1	1
Ctnna1_j3	8.29803	12.9759	0	1	1
Matr3_j2	24.191	20.7224	0	1	1
Ube2d2_j4	54.8779	57.7084	0.0725561	0.413167	0.732017
Cxxc5_j3	0.0228864	1.09303	0	1	1
0610010012Rik_j6	8.83397	12.3268	0.480661	0.0787469	0.340364
Slc4a9_j2	0.0418629	0.117405	1.48775	0.442142	1
Ankhd1_j4	0.0988805	0.173124	0.808047	0.0708946	0.320021
Tmco6_j1	0.0604751	0 -1.79769e+308		0.0567353	1
Ik_j1	0.131036	0.174944	0	1	1
Pcdhac2	18.5864	15.8737	0	1	1
XLOC_015708	0.0415796	0.0941688	1.17937	0.425404	1
0610009020Rik_j7	0.733851	1.09371	0	1	1
9630014M24Rik_j5	1.48184	0.834076	0	1	1
9630014M24Rik_j4	0.921763	1.18102	0	1	1
Arhgap26_j3	0.542689	0.287881	0	1	1
Gm5820_j1	0.161238	0.0742032	0	1	1
mKIAA1317_j1	0.100152	0.128028	0	1	1
Rbm27_j4	0.198923	0.206184	0	1	1
Tcerg1_j3	3.90494	4.35215	0	1	1
Dcp2_j1	4.88274	4.06007	0	1	1
A930012L18Rik_j1	0.463136	0.557453	0	1	1
A930012L18Rik_j2	0.241038	0.243103	0	1	1
Ythdc2_j5	0.0526989	0.113863	1.11146	0.235432	1
Ap3s1_j5	0.254771	0.244395	0	1	1
Tnfaip8	0	0.751939	1.79769e+308	6.63E-06	0.0002172
Csnk1g3_j5	0.0341913	0.655197	4.26023	0.0590703	0.28563
Csnk1g3_j4	2.14055	1.6645	-0.36289	0.455397	0.75921

AK036466_j5	0.167641	0.19296	0.202931	0.706991	0.893169
AK163160_j1	0.260959	0.332583	0.349893	0.447892	0.754594
XLOC_015756	0.042567	0.0930743	1.12865	0.414931	1
XLOC_015756	0	0.0911447	1.79769e+308	0.0409905	1
Isoc1_j1	0.573291	0.193452	0	1	1
Rbm22_j1	3.0586	3.6577	0.258066	0.316782	0.66013
Rps14_j1	2.98128	3.43706	0	1	1
Rps14_j4	5.02125	6.99923	0	1	1
Camk2a_j3	0.211589	0.328041	0	1	1
Csnk1a1_j3	0.192122	0.0668435	0	1	1
Il17b	0.20683	0.268407	0.375975	0.607419	0.845325
Htr4_j7	0.295556	0.170321	-0.795179	0.167081	0.503381
Htr4_j8	0.103199	0.16755	0.699168	0.324941	0.668094
Spink10	0.342598	0.410081	0	1	1
Spink10_j3	0.0509505	0.14666	0	1	1
Wdr7	28.0478	24.466	-0.197108	0.0225443	0.153174
St8sia3_j5	21.7303	21.0439	-0.0463068	0.743736	0.910328
Nedd4l_j2	6.18575	0.557103	0	1	1
Nedd4l_j4	0.975077	0.733575	0	1	1
mKIAA1629_j6	0.286297	0.122031	0	1	1
mKIAA1629_j9	1.30196	1.44771	0	1	1
Grp_j1	0.098737	0.248951	1.3342	0.228072	0.575101
Gnal_j1	1.0521	0.907974	0	1	1
Gnal	3.48539	2.14814	0	1	1
Seh1l_j1	1.6074	1.29251	-0.314555	0.20135	0.54481
Seh1l_j3	0.358603	0	-1.79769e+308	1.02E-06	4.20E-05
Cep192_j11	0.666916	0.719256	0.109	0.718983	0.898918
Rnmt_j2	0.742586	0.741333	0	1	1
Tcf4	0.20417	1.03604	0	1	1
Ccdc68_j1	0.256188	0.286056	0	1	1
Mex3c	13.5881	14.2494	0.0685616	0.494008	0.782369
XLOC_015825	0.07291	0.0299214	-1.28494	0.673078	1
XLOC_015825	0.0352472	0.0904467	1.35956	0.588651	1
Mro_j7	0.191788	0.229963	0.261887	0.630404	0.856283
Cxxc1	4.14387	3.88888	0	1	1
Mbd1_j2	1.88998	2.75006	0	1	1
Mbd1	1.2492	0.91787	0	1	1
Myo5b_j8	0.0887203	0.0443843	-0.999214	0.404567	1
Acaa2_j2	0.798809	0.837867	0.0688704	0.917484	0.974311
BC031181	22.3657	22.5808	0	1	1
Dym	42.4315	37.5369	0	1	1
Smad2_j1	4.36269	2.16087	-1.0136	0.0002157	0.0040815
Skor2_j2	0.547077	0.452936	0	1	1
St8sia5	0.603095	0.223669	-1.43102	0.0018977	0.0239499
St8sia5	0.147403	0.0690918	-1.09318	0.202112	0.545602
Atp5a1_j4	26.2018	57.4647	0	1	1
5430411K18Rik_j3	2.4347	2.7368	0	1	1

Pqlc1	47.727	49.9545	0	1	1
XLOC_015853	0.18597	0.128768	-0.530295	0.560259	0.821025
Mbp_j1	13.25	12.146	0	1	1
Mbp_j3	16.4786	19.033	0	1	1
Mbp_j2	7.996	7.68012	0	1	1
Zfp516_j3	0.0537864	0	0	1	1
XLOC_015858	0.12652	0.165641	0.388699	0.78887	0.92953
Cbln2_j2	1.03418	2.90985	0	1	1
Cbln2_j1	1.41907	1.64217	0	1	1
Cbln2_j3	9.67972	16.4065	0	1	1
Crem_j1	1.01851	1.69906	0	1	1
Crem	0.342675	0.659899	0	1	1
Crem_j2	0.607748	0.627287	0	1	1
Zfp438_j6	0.298203	0.0370183	-3.00998	0.096605	0.383933
Gm10125_j4	0.855521	0.446591	-0.937848	0.0099731	0.0854548
Gm10125	1.78589	1.48694	-0.264296	0.410456	0.730298
Arhgap12_j4	1.01888	1.36502	0	1	1
Kif5b_j1	1.39988	1.44376	0	1	1
Kif5b	7.13493	4.45077	0	1	1
Usp14	19.76	16.5889	0	1	1
Rock1_j4	0.722252	0.854329	0	1	1
Osbpl1a	5.74596	4.03959	0	1	1
Zfp521	1.74173	1.43684	0	1	1
Zfp521_j1	0.0214202	0.319371	0	1	1
Ss18_j2	0.74535	0.219196	0	1	1
Kctd1_j4	0.0962802	0 -1.79769e+308	0.0269804		1
Aqp4_j1	0.071348	0.112225	0	1	1
B4galt6	2.48376	3.81473	0	1	1
Trappc8_j6	10.5595	8.69697	0	1	1
Fam59a_j1	0.0010637	0.22199	0	1	1
Celf4_j4	0.974734	0.33791	0	1	1
Syt4_j1	1.03109	2.9601	0	1	1
Syt4	2.02443	0.742589	0	1	1
Stard4_j2	0.692526	0.907483	0.390003	0.151206	0.482207
Stard4_j1	1.36918	1.15778	-0.241946	0.28807	0.636106
Epb4.1l4a_j6	0	0.0577405	0	1	1
Fam13b_j1	9.808	8.50897	0	1	1
Fam13b_j2	9.71334	9.92506	0	1	1
Nme5_j2	0.35583	0.250807	-0.504613	0.590534	0.836658
4933408B17Rik	0.193298	0.336034	0.797779	0.230333	0.577332
Sil1_j1	2.86393	2.48037	0	1	1
Eccscr_j2	0.244464	0 -1.79769e+308	0.0071488	0.0669529	
Eccscr_j3	0.944709	1.16657	0.304326	0.429979	0.743005
Nrg2_j6	0.816255	0.807211	-0.0160736	0.968258	0.991026
Nrg2_j5	0	0.21717 1.79769e+308	0.0206491	0.144032	
Nrg2_j4	0.475914	0.658142	0.467698	0.20966	0.55399
Pfdn1	2.57519	2.4643	-0.0634967	0.613831	0.847685

Apbb3_j2	7.92814	6.41919	-0.304591	0.0401833	0.2245
Apbb3_j5	21.8479	18.1236	-0.269624	0.0129083	0.103541
Hars_j2	0.030152	0.165562	2.45705	0.0012526	0.0171162
Diap1_j3	2.09248	2.00022	-0.0650559	0.80201	0.934238
Arap3_j2	0.0953895	0.305261	1.67814	0.0017273	0.0222194
Pcdh1_j4	2.54591	1.85578	-0.456158	0.0224797	0.152884
Gnpda1_j2	3.99305	4.83917	0.277268	0.0444317	0.240435
Spry4_j2	4.1331	2.8675	0	1	1
Fgf1_j8	0.862841	0.433773	0	1	1
Fgf1_j2	38.335	19.3174	0	1	1
Nr3c1_j3	1.39281	2.20871	0	1	1
Prelid2_j7	0.346752	0.309499	-0.163969	0.833745	0.946434
Lars_j1	4.48457	7.92575	0	1	1
Ppp2r2b_j1	30.726	33.4548	0	1	1
Ppp2r2b	2.25682	1.82549	0	1	1
Ppp2r2b_j2	43.7732	43.0105	0	1	1
Jakmip2_j3	9.38988	11.7367	0	1	1
Mcc_j7	0	0.11025	1.79769e+308	0.0920624	1
Trim36_j4	0.427671	0.339478	0	1	1
Trim36_j5	4.72417	4.54009	0	1	1
Trim36	6.67127	5.25149	0	1	1
Ccdc112_j1	0.34725	6.84E-05	-12.3099	0.963891	0.989793
Atg12_j1	20.5957	23.6496	0	1	1
Aldh7a1_j1	3.80382	5.77153	0	1	1
March3_j1	0.0556612	0.186048	1.74093	0.130978	0.450516
Synpo_j1	0.158213	0.434055	0	1	1
Arhgef37_j1	0.0138784	0.0798779	2.52496	0.0632367	1
Arhgef37_j2	0.166772	0	-1.79769e+308	3.31E-07	1.55E-05
Ablim3	0.850232	0.670418	0	1	1
Fbxo38_j2	1.43004	0.999651	0	1	1
Fam38b_j8	1.36705	0.851568	0	1	1
Fam38b_j7	4.87655	3.20163	0	1	1
Txn1	1.46075	1.40105	-0.0602054	0.783081	0.926858
Fech_j2	1.34245	1.02011	0	1	1
Fech_j1	1.60147	1.19702	0	1	1
Fech_j4	0	0.119746	0	1	1
Nars_j1	34.3356	35.4634	0	1	1
Nars	57.8017	56.5826	0	1	1
Alpk2_j1	0.0316155	0.127733	2.01443	0.35127	1
Spire1_j2	0.0491542	0.0114738	0	1	1
4930503L19Rik	0.892484	1.0179	0	1	1
Poli_j1	0	0.0536025	1.79769e+308	0.104014	1
Poli_j4	0.3149	0.151684	-1.05382	0.133327	0.454276
Poli_j2	0.0702447	0	-1.79769e+308	0.0157774	1
Ska1_j1	0.0809498	0.0905883	0.162298	0.867596	1
Gm672_j2	0.448656	0	0	1	1
XLOC_016077	0.0933485	0.135496	0.537548	0.534272	1

XLOC_016078	0.0704143	0.0655552	-0.103157	0.936861	1
A330094K24Rik_j5	0.32311	0.104116	-1.63384	0.0398859	0.223402
Slc14a1_j2	0.123591	0.210486	0.76815	0.311939	0.656418
Rbfa_j1	2.84902	3.25547	0	1	1
Rbfa_j2	2.10713	4.24324	0	1	1
Nfatc1	0.308022	0.295113	-0.0617681	0.872762	0.959737
Atp9b_j1	0.92724	1.264	0	1	1
Atp9b_j2	3.91145	4.10687	0	1	1
Atp9b_j3	6.09178	5.04594	0	1	1
Zfp236_j2	0	0.364454	0	1	1
Zfp236	0.861578	0.246101	0	1	1
Tshz1_j1	0.552631	1.70842	0	1	1
Cndp1_j1	0	0.0825162	1.79769e+308	0.154589	1
1700034H14Rik_j3	0.651401	0.444444	-0.551545	0.184064	0.524679
Cis4_j2	0.0774212	0.0878169	0.181771	0.796994	1
Bambi	0.649527	0.543151	-0.258036	0.528989	0.802307
Svil_j3	0.40392	0.339406	-0.251057	0.41381	0.732563
Svil_j9	0.189473	0.304258	0.683303	0.0875182	0.362018
Rab18_j1	19.3625	18.6161	-0.0567147	0.528061	0.801943
Colec12_j1	0.197526	0	-1.79769e+308	6.02E-06	0.0001992
Greb11_j1	0.373533	0.365269	-0.032278	0.913999	0.973025
Greb11	0.293015	0.295728	0.0132945	0.964494	0.989999
Rbbp8	0.0443774	0.127062	1.51763	0.0755858	1
Rbbp8_j5	0.0472569	0	-1.79769e+308	0.0167769	1
XLOC_015615	0.137091	0.0993559	-0.464453	0.654036	1
Cables1_j1	0.455919	0.354814	-0.361715	1	1
Riok3_j5	14.1671	19.4197	0	1	1
Lama3_j5	0.0529044	0.0161176	-1.71475	0.454297	1
Lama3_j4	0.0836135	0.028685	-1.54344	0.410464	1
Ttc39c_j2	0.111152	0	-1.79769e+308	0.0074639	1
Cabyr_j4	1.86731	1.18958	0	1	1
Dtna_j8	4.39195	1.47863	0	1	1
Dtna_j9	0.356214	0.280341	0	1	1
Zfp35_j3	0	0.210139	1.79769e+308	0.0029479	0.0339995
Galnt1_j2	2.48765	2.17699	-0.192448	0.334195	0.674996
Gm7701	18.193	16.1201	-0.174529	0.123647	0.437974
Mocos_j5	1.27622	1.31576	0.0440163	0.913297	0.972756
Fhod3	0.232862	0.561574	1.27	4.78E-07	2.16E-05
AW554918_j2	0.161353	0.0463488	-1.79961	0.0282665	0.178512
Sap130	0.427547	0.347979	0	1	1
Sap130_j1	3.95926	3.86475	0	1	1
Ammecr1_j3	0.124397	0.0286157	0	1	1
Wdr33	5.89937	5.22832	-0.174213	0.222998	0.570022
Map3k2	0.629744	0.468926	0	1	1
Ercc3_j1	8.89958	10.8631	0.287626	0.130102	0.449122
Bin1	32.2498	29.1543	0	1	1
Bin1_j8	54.3027	66.2201	0	1	1

Wdr36	6.09107	6.89967	0	1	1
Camk4_j3	0.164462	0.0984266	-0.74063	0.075863	0.332799
Camk4_j8	0.601643	0.778385	0.371575	0.331899	0.673345
Apc_j6	0.834808	0.000421851	0	1	1
Apc_j5	1.35251	1.73323	0	1	1
Pkd2l2_j2	0.155768	0.126088	-0.304968	0.686917	0.88349
Pkd2l2_j1	0.115528	0.0302433	-1.93356	0.216504	1
Pkd2l2_j6	0.0886153	0.155326	0.809675	0.336015	1
Fam53c_j1	4.71502	7.46869	0	1	1
Cxzc5_j4	1.04375	1.12288	0	1	1
Psd2_j3	0.233842	0.056527	-2.04852	0.0350009	0.205638
Pura_j1	3.75208	0.00560802	0	1	1
Pura	4.55667	3.09932	0	1	1
O610010012Rik	4.24411	5.01248	0.240061	0.377405	0.70922
Slc4a9_j1	0.236593	0.077505	-1.61005	0.102396	0.396457
XLOC_015684	0.767999	0.485677	-0.661106	0.192989	0.535375
Ik_j5	10.9386	10.7315	0	1	1
XLOC_015709	0.0887413	0.0223385	-1.99007	0.279278	1
XLOC_015709	0.283441	0.370268	0.385524	0.253721	0.601839
O610009O20Rik_j4	0.83332	0.65638	0	1	1
O610009O20Rik_j6	4.7608	4.23408	0	1	1
Rnf14_j1	1.31335	0.949285	-0.468343	0.1951	0.537411
9630014M24Rik_j2	1.83021	1.63393	0	1	1
9630014M24Rik_j1	0.0958597	0.0414025	0	1	1
Arhgap26_j2	0.905316	0.0534608	0	1	1
XLOC_015728	1.01805	0.638288	0	1	1
XLOC_015728	0.586966	0.351894	0	1	1
XLOC_015728	0.167417	0	0	1	1
Tcerg1	2.58351	2.54476	0	1	1
Tcerg1_j1	2.31028	2.31817	0	1	1
Tcerg1_j2	0.476509	0.7782	0	1	1
Ythdc2_j6	3.04686	2.70665	-0.170814	0.289342	0.636857
Kcnn2	1.32274	0.884019	-0.581378	0.024777	0.163245
Kcnn2_j4	3.58487	3.34596	-0.0995007	0.718611	0.89873
Eif1a_j1	0.215298	0 -1.79769e+308		2.65E-05	0.0006973
Ap3s1_j4	0.196545	0.105224	0	1	1
Dmxl1_j2	0.119111	0.009677	0	1	1
Tnfaip8_j3	0.256032	0 -1.79769e+308		0.0004677	0.0076978
Csnk1g3_j2	0.353778	0.30736	-0.202917	0.79366	0.931169
Csnk1g3_j6	5.65998	4.3482	-0.380379	0.0163636	0.12241
Csnk1g3_j8	10.6662	10.6692	0.000407128	0.997235	0.999203
XLOC_015754	0.252825	0.127447	-0.988237	0.0900154	0.368275
XLOC_015755	0.231467	0.123592	-0.90522	0.491938	0.780786
AK163160_j2	0.109867	0.203272	0.887657	0.490012	0.779734
Megf10_j1	3.5502	3.19194	-0.153463	0.249404	0.596861
Ctxn3_j3	27.4106	18.4263	0	1	1
Ctxn3_j9	15.1377	12.6656	0	1	1

Slc12a2_j1	0.172965	0.193768	0.163849	0.720022	0.899505
A730017C20Rik_j3	0.682734	0.442429	0	1	1
Chsy3_j1	0.224047	0.0664347	-1.75379	0.0197278	0.139584
Gm4951_j1	0.434162	0.000732922	-9.21036	0.36691	0.700429
ligp1_j1	0.176807	6.85E-05	0	1	1
BC023105	0.335925	0.168174	-0.998183	0.0173954	0.127795
Rps14_j2	9.78793	5.99561	0	1	1
Pdgfrb_j1	0.113255	0.137221	0	1	1
Csf1r_j4	1.28395	5.04277	0	1	1
XLOC_015783	0.221352	0.033089	-2.74192	0.102356	0.396414
Csnk1a1_j2	6.96231	7.01531	0	1	1
AK143260_j3	2.75174	2.5206	-0.12658	0.664742	0.873063
AK143260_j4	0.0597862	0.558254	3.22304	0.0183404	0.132805
AK143260_j5	0.565268	0.905505	0.679788	0.351703	0.688957
Htr4_j4	0.43902	0.273393	-0.683311	0.00734	0.0682535
Spink10_j2	0.0641264	0	0	1	1
Spink10_j4	0.207092	0.170165	0	1	1
Apcdd1_j1	1.94138	1.1707	-0.729707	0.0041016	0.0436964
St8sia3_j2	0.10042	2.21892	4.46574	0	0
Malt1_j2	0.151698	0.0733848	-1.04765	0.200077	0.543279
mKIAA1629_j7	0.144153	0.160162	0	1	1
mKIAA1629_j10	1.04567	0.736904	0	1	1
Gnal	13.4729	11.0868	0	1	1
Psmg2	13.2211	14.1043	0.0932876	0.54023	0.808768
Cep192_j4	0.0813321	0.0496923	-0.710803	0.489288	1
Cep192_j10	0.219584	0.190082	-0.208151	0.733747	0.906101
XLOC_015817	0.24715	0.115553	0	1	1
Rnmt_j1	1.8609	1.81362	0	1	1
Mro_j6	0.20963	0.0996696	-1.07262	0.174207	0.512178
Mro_j2	0.26703	0.0450976	-2.56588	0.0484026	0.253164
Myo5b_j1	0.239725	0.0736805	-1.70202	0.000314	0.0055457
Myo5b_j6	0.0832483	0 -1.79769e+308	0.0045687	0.0045687	1
BC031181_j1	13.8353	11.8803	0	1	1
Zbtb7c_j1	0.359661	0	0	1	1
Skor2_j1	0.837547	0.533393	0	1	1
Hdhd2_j2	15.5211	13.7232	-0.177618	0.29347	0.64036
Pias2	0.425471	0.539929	0.34371	0.482327	0.775514
XLOC_015845	0.313907	0.123662	-1.34394	0.0392517	0.221197
Atp5a1	44.631	77.4133	0	1	1
XLOC_015852	0.141251	0 -1.79769e+308	0.0019755	0.0019755	0.0247588
Mbp_j4	0.694037	2.4373	0	1	1
XLOC_015856	0.162299	4.08E-06	-15.28	0.997164	0.999174
Zfp516_j5	1.8371	2.04502	0	1	1
Cbln2_j4	0.285472	0.140401	0	1	1
Rttn_j4	0.100089	0.0289743	-1.78843	0.453924	1
Rttn_j13	0.179829	0.173553	-0.0512441	0.941425	0.982159
Rttn_j14	0.172651	0.114994	-0.58631	0.576701	0.829111

Crem	0.411595	0.88874	0	1	1
Map3k8	0.238729	0.144989	-0.719431	0.231822	0.57883
XLOC_015870	0.13333	0.0231723	-2.52453	0.172809	1
XLOC_015872	0.13138	0 -1.79769e+308	0.0015224		1
Arhgap12_j1	1.53504	0.503238	0	1	1
Kif5b_j6	0.0719938	0	0	1	1
Usp14_j2	16.9385	18.3505	0	1	1
Rock1_j8	0.241799	0.133534	0	1	1
Rock1_j9	0.243379	0.0881257	0	1	1
Zfp521_j2	0.3497	0.0214138	0	1	1
Ss18_j3	1.09674	1.2538	0	1	1
Cdh2_j1	0.0477737	0 -1.79769e+308	0.0363043		1
Trappc8_j1	1.00244	0.9471	0	1	1
Nol4	0.386941	0.0817462	-2.24289	0.0111832	0.0931529
Nol4_j7	0.18963	0.0990407	-0.937094	0.107555	0.407702
Zfp397os_j2	3.55035	3.40777	0	1	1
Ino80c_j1	2.55517	3.68278	0.527376	0.0137059	0.10789
Celf4_j14	6.48386	8.8852	0	1	1
Celf4_j13	2.80283	3.9238	0	1	1
XLOC_015919	6.47402	7.19101	0	1	1
Syt4_j4	0.0968999	0	0	1	1
Slc25a46_j4	0.957963	0.502166	0	1	1
Epb4.1l4a_j3	1.92229	4.1729	0	1	1
Epb4.1l4a_j4	0.376495	0.804544	0	1	1
XLOC_015932	0.236489	0.000251502	-9.87699	0.921123	0.975324
Fam13b_j6	0.12869	0.175956	0	1	1
Nme5_j3	0.339437	0.16737	-1.0201	0.277255	0.62632
Brd8_j1	6.38182	6.36366	-0.0041113	0.971497	0.991962
Gfra3_j4	10.8291	18.3683	0	1	1
Cdc25c_j1	0.0689598	0.0625274	-0.141267	0.905505	1
XLOC_015948	0.0702131	0.0357814	-0.972529	0.427568	1
Sil1_j3	8.06218	8.52891	0	1	1
Nrg2_j7	2.77368	1.93635	-0.518462	0.0675629	0.311032
Apbb3_j1	7.57042	11.4418	0.595873	0.0002544	0.0046833
Cd14	0.492873	0.869859	0.819567	0.0226761	0.153721
Hars_j4	0.837367	0.349475	-1.26067	0.0001361	0.0027703
Diap1_j2	0.456508	0.44537	-0.0356354	0.909896	0.971581
Diap1_j1	0.261211	0.0859179	-1.60418	0.0085736	0.0764466
Fchsd1_j2	0.724911	0.740654	0	1	1
Arap3_j1	0.236362	0.203977	-0.212595	0.793854	0.931239
XLOC_015973	0.16294	0 -1.79769e+308	9.85E-07		4.09E-05
XLOC_015973	0	0.0840314 1.79769e+308	0.0075219		1
XLOC_015976	0.315963	0.123159	-1.35923	0.171913	0.509035
Pcdh1_j1	2.41206	0.983122	-1.29482	1.57E-07	7.95E-06
Pcdh1_j1	0.104915	0.0507077	-1.04895	0.141951	1
Gnpda1_j1	0.518092	0.382761	-0.436765	0.161426	0.496287
XLOC_015981	0.17148	0.0723297	-1.24538	0.145736	0.473722

Fgf1_j1	1.51973	0	0	1	1
Fgf1_j6	5.47983	3.21469	0	1	1
Nr3c1_j1	1.24913	0.490488	0	1	1
XLOC_015994	0.089272	0.0578648	-0.625522	0.716633	1
Ppp2r2b_j4	10.5477	11.3865	0	1	1
Dpysl3_j1	121.911	138.455	0	1	1
Jakmip2_j5	0.166776	0.162239	0	1	1
Mcc	0.712836	0.659785	0	1	1
Trim36	3.12911	4.65333	0	1	1
Trim36_j1	0.0989107	0	0	1	1
Atg12_j4	0.283666	0.168169	0	1	1
Atg12_j2	4.55702	4.82293	0	1	1
Sema6a	1.51509	4.91432	0	1	1
Lox	0.308003	0.453174	0.55712	0.0447114	0.241506
Zfp608	0.117467	0.0927015	-0.34159	0.593107	1
Synpo_j2	1.78591	0.980733	0	1	1
Synpo_j7	0.240712	0	0	1	1
Ndst1_j3	3.26462	5.35001	0	1	1
Tcof1_j3	2.66021	3.21703	0.27419	0.136721	0.459741
Tcof1_j4	0.485253	0.1425	-1.76778	0.0006395	0.0099808
Slc6a7_j3	0.296859	0.314306	0.0823926	0.859917	0.955708
Hmgxb3_j1	3.32032	3.06104	0	1	1
Grpel2_j1	0.226191	0	0	1	1
Ablim3_j7	0.898387	0.0502667	0	1	1
Fbxo38_j6	0.0390229	0.0688008	0	1	1
Fam38b_j2	0.627147	0.440337	0	1	1
Afg3l2_j1	0.125792	0.0236472	0	1	1
Ptpn2_j2	0.576658	0.566841	-0.0247723	0.958628	0.988071
4930503L19Rik_j1	0.97379	0.891552	0	1	1
Smad4_j1	2.17032	4.23526	0	1	1
Elac1_j1	1.19316	0.921217	0	1	1
Mapk4_j4	2.85622	2.57986	0	1	1
Mapk4_j1	0	0.065918	0	1	1
Lipg_j4	0.0468465	0 -1.79769e+308	0.0268855		1
Lipg_j3	0.0470296	0 -1.79769e+308	0.0288548		1
Lipg	0.219668	0.296221	0.43135	0.315156	0.65911
XLOC_016075	0.0724386	0.00456242	-3.98889	0.32314	1
RP24-263P17.1_j2	0.116643	0.0366196	-1.67141	0.153807	1
Gm672_j6	0.520928	0.423564	0	1	1
Gm672_j10	5.00503	4.73514	0	1	1
Gm672_j9	5.08347	3.55573	0	1	1
XLOC_016078	0.125315	0.0073743	-4.08691	0.37813	1
XLOC_016078	0.0967339	0 -1.79769e+308	0.037073		1
XLOC_016078	0.142225	0.0404867	-1.81266	0.347184	0.685853
Katnal2_j8	0.0957521	0 -1.79769e+308	0.0111772		1
Katnal2_j4	0.127795	0.116087	-0.138624	0.853847	1
Slc14a1_j1	0.083231	0 -1.79769e+308	0.0032069		1

Slc14a2_j1	0.0635847	6.56E-05	-9.92131	0.963939	1
XLOC_016088	0.616758	0.604844	-0.0281426	0.951628	0.986027
Ctdp1_j2	2.47958	2.94262	0.247007	0.125789	0.44161
Ctdp1_j1	0.258293	0.0520676	-2.31055	0.0279168	0.177107
Atp9b_j6	9.56454	10.9879	0	1	1
Atp9b_j7	0	0.0913724	0	1	1
XLOC_016096	0.0528979	0.0221273	-1.25738	0.553325	1
Zfp236_j5	1.08076	0.0291947	0	1	1
Zfp236_j6	0.157717	0.276085	0	1	1
Zfp407_j3	1.80905	1.97394	0.125846	0.522322	0.798827
Zfp407_j4	0.397551	0.403612	0.02183	0.928745	0.978107
1700034H14Rik_j4	0.738649	0.891829	0.271879	0.58872	0.835743
Dok6_j1	1.09285	0.549195	0	1	1
AK014726_j1	0	0.0849365	1.79769e+308	0.039505	1
Wac_j2	1.14601	1.64941	0	1	1
Wac_j3	2.52745	2.32438	0	1	1
Colec12	0.199888	0.546408	1.45078	0.0002876	0.005164
Thoc1_j2	0.0397597	0.0522161	0	1	1
Cables1	0.0717447	0.240579	1.74556	0.0243108	0.161198
Cables1_j2	0.72465	0.744601	0.0391832	0.919614	0.974745
Riok3_j1	4.61826	6.0124	0	1	1
Riok3_j4	2.73084	3.9027	0	1	1
3110002H16Rik_j3	0.238037	0.316667	0.411782	0.400291	0.723811
Lama3_j3	0.00948574	0.168865	4.15397	0.338434	0.678756
Lama3_j7	0.0803114	0.117961	0.554632	1	1
Cabyr	4.32206	3.1483	0	1	1
XLOC_015625	0.0239317	0.0983983	2.03971	0.217957	1
XLOC_015626	0	0.104731	1.79769e+308	0.0923257	1
XLOC_015631	0.0415746	0.14681	1.82018	0.091942	1
Gm4835_j2	0.112565	0.860155	2.93384	0.242463	0.589952
Rnf125_j2	13.0971	12.4043	-0.0784043	1	1
2700062C07Rik_j6	0.942136	1.37147	0.541715	0.168898	0.505733
2700062C07Rik_j5	0.319179	0.674062	1.07851	0.071954	0.322462
2700062C07Rik_j4	2.00883	1.36644	-0.555936	0.100284	0.391964
2700062C07Rik_j7	0.315321	0.227445	-0.471308	0.471362	0.76894
2700062C07Rik_j8	0.337684	0.374464	0.149155	0.728507	0.903756
Pik3c3_j1	5.40263	6.83435	0.339144	0.0285396	0.179747
Wdr33_j2	1.56	1.99277	0.35323	0.0120354	0.0984178
Bin1_j7	5.54039	4.30805	0	1	1
XLOC_015662	0.0551143	0.151086	0	1	1
Camk4_j7	0.587618	0.0922954	-2.67055	2.20E-11	2.52E-09
XLOC_015669	0.127268	0.152702	0	1	1
Egr1_j1	1.36128	2.92032	1.10116	3.83E-07	1.75E-05
Ctnna1_j1	0.0356387	0.268956	0	1	1
Ctnna1_j2	0.443687	0.333966	0	1	1
Matr3_j4	1.54543	5.80343	0	1	1
Ube2d2_j2	1.76717	1.62438	-0.121554	0.664973	0.873063

Pura_j2	3.33313	3.66252	0	1	1
O610010012Rik_j1	0.145675	0.210485	0.53096	0.412404	0.73143
Ankhd1_j1	0.931654	1.13524	0.285132	0.12659	0.443067
Ankhd1_j2	1.46543	1.61656	0.141609	0.392845	0.718958
Slc35a4_j1	1.64801	1.54923	-0.0891704	0.509631	0.790813
Ik_j2	13.0357	12.3208	0	1	1
O610009020Rik_j8	0.0102938	1.17488	0	1	1
Rnf14_j2	4.60236	2.70601	-0.766207	0.0008469	0.0125306
mKIAA1317_j3	2.87341	2.45953	0	1	1
Rbm27_j1	0.210962	0.473618	0	1	1
Ythdc2_j4	0	0.058121	1.79769e+308	0.0187397	1
Ap3s1_j1	0.116055	0.0158583	0	1	1
Commd10_j1	2.75228	2.67019	-0.0436837	0.870468	0.958726
Dmxl1_j6	0.907986	1.44819	0	1	1
Dmxl1_j7	1.0352	0.00176579	0	1	1
Dmxl1_j8	0.618232	0.638353	0	1	1
Snx2_j2	20.7169	25.1479	0.279633	0.0154856	0.117492
Snx2_j3	0.462017	0.459847	-0.00679131	0.984985	0.995588
XLOC_015754	0.18086	0.126828	-0.512	0.503527	0.787092
XLOC_015756	0.0774902	0.0834606	0.107081	0.935513	1
Gramd3_j1	0.0839279	0.299874	1.83713	0.0119928	0.0981683
Megf10_j2	2.87654	2.70879	-0.0866895	0.527046	0.801374
Ctxn3_j7	0.14395	0.529036	0	1	1
Slc12a2_j6	0	0.239702	1.79769e+308	0.0006762	0.0104339
A730017C20Rik_j4	3.78076	2.56274	0	1	1
Chsy3	0.0818435	0.185599	1.18125	0.373604	0.706436
Gm4951_j2	0.0325048	0.112588	1.79232	0.108327	1
Rps14_j3	37.1035	43.6298	0	1	1
Cd74_j1	2.31349	8.8646	1.93799	1.33E-15	2.89E-13
Camk2a_j2	0.46534	3.88964	0	1	1
Pdgfrb_j2	0.168942	0.606557	0	1	1
Csnk1a1	17.6919	16.5779	0	1	1
Csnk1a1_j1	19.237	18.7071	0	1	1
Csnk1a1_j5	32.2983	30.7626	0	1	1
AK143260_j1	0	0.0752688	1.79769e+308	0.0996246	1
Sh3tc2_j1	0	0.134096	1.79769e+308	0.0013134	1
Sh3tc2_j3	0.289271	0.499689	0.788608	0.0465718	0.247407
Wdr7_j2	0.299318	0.221352	-0.435334	0.291159	0.638436
St8sia3_j1	0	0.438069	1.79769e+308	9.13E-11	9.41E-09
Onecut2_j1	3.1253	3.3379	0	1	1
Nedd4l_j8	2.48881	2.28291	0	1	1
Nedd4l_j10	0.602601	0.303153	0	1	1
XLOC_015799	0.0968664	0.0598338	-0.695037	0.397732	1
Malt1	0.179881	0.158866	-0.179228	0.724318	0.901947
mKIAA1629_j1	0	0.113024	0	1	1
XLOC_015807	0.0108022	0.197353	4.19138	0.0639606	0.30009
Slmo1_j2	0.397103	0.974406	1.29501	0.001304	0.0176801

Slmo1_j5	0	0.231674	1.79769e+308	0.0064865	0.0621152
Seh1l_j5	6.10961	6.12492	0.00361279	0.980113	0.994006
Cep192_j3	0.0394999	0.0975213	1.30387	0.0501577	1
Cep192_j5	0	0.0852471	1.79769e+308	0.0025627	1
Tcf4_j3	0.337656	0.482671	0	1	1
Tcf4_j4	0.0502351	0.504366	0	1	1
Mbd2_j2	0.390253	0.529892	0.441288	0.240966	0.588146
Mbd2_j1	0	0.0776785	1.79769e+308	0.0266352	1
Mro_j5	0.00449793	0.0493329	3.45522	0.622769	1
Mro_j10	0.0553789	0.0727626	0.393862	0.737783	1
Cxxc1_j3	1.53932	1.84427	0	1	1
Myo5b_j2	0.0753935	0.0446546	-0.75563	0.678169	1
Myo5b_j7	0.0284444	0.0974784	1.77694	0.13455	1
Dym_j1	4.74526	3.08773	0	1	1
XLOC_015839	0	0.13609	1.79769e+308	0.0104182	1
XLOC_015839	0.0182687	0.0890808	2.28574	0.0724029	1
Atp5a1_j1	0	0.0866822	0	1	1
Pstpip2_j2	0.12942	0.115915	-0.158994	0.887952	1
5430411K18Rik_j2	1.0367	0.931857	0	1	1
Txnl4a_j1	15.6467	24.1533	0	1	1
XLOC_015852	0.151397	0.165923	0.13218	0.842209	0.950214
Mbp_j5	0.284736	0.46168	0	1	1
Zadh2_j2	3.24759	3.82977	0	1	1
XLOC_015863	0.0637359	0.0574413	0	1	1
Neto1_j2	0.715772	2.20338	0	1	1
Rttn_j6	0.0542314	0.0682365	0.331415	0.758537	1
Rttn_j5	0.0336305	0.0601807	0.839532	0.526105	1
Rttn_j11	0	0.115445	1.79769e+308	0.0155156	1
BC062254_j1	0	0.0474086	1.79769e+308	0.167119	1
Map3k8_j1	0.0202598	0.0608517	1.58668	0.400262	1
Map3k8_j2	0	0.0690484	1.79769e+308	0.099389	1
Gm10125_j2	0.0747692	0.173905	1.21778	0.109784	0.412306
Arhgap12_j7	0	0.259009	0	1	1
Mpp7_j1	0	0.165719	1.79769e+308	0.0004918	0.0080338
Usp14_j3	36.9601	33.856	0	1	1
Rock1_j1	2.43297	2.73624	0	1	1
Ankrd29_j1	1.17543	0.900739	0	1	1
Osbp1a_j1	15.5029	11.9469	0	1	1
Zfp521_j3	0.96966	0.318536	0	1	1
Zfp521_j5	0	0.120494	0	1	1
Ss18_j7	0.253871	0.198746	0	1	1
Ss18_j8	0.134789	0.115369	-0.224446	0.921543	1
Kctd1_j2	4.31284	3.49708	-0.30249	0.140415	0.466064
Cdh2_j5	0.0380679	0.897123	4.55866	9.95E-06	0.0003085
Dsc2_j1	0.121539	0.0642145	-0.920446	0.230045	1
B4galt6_j4	0.0607267	0.266374	0	1	1
Trappc8_j5	0.213526	0.672883	0	1	1

Nol4_j2	0.0132187	0.110722	3.06629	0.0565949	1
Nol4_j1	0.0362005	0.212545	2.55368	0.007995	0.0724953
Nol4_j3	0.167343	0.302352	0.853417	0.0495989	0.257063
Slc39a6_j1	25.0647	32.5527	0.377122	0.0006932	0.0106394
Celf4_j6	1.65177	1.5659	0	1	1
Celf4	1.01863	2.14914	0	1	1
Syt4_j5	52.3896	73.2396	0	1	1
Fam13b_j8	2.87661	4.84854	0	1	1
Fam13b_j10	0.532296	0.739827	0	1	1
Fam13b_j9	0.353104	0.0083555	0	1	1
Nme5_j4	0.237771	0.445489	0.905817	0.307307	0.652263
Hspa9_j5	7.2355	12.7335	0	1	1
Sil1_j2	0.89486	0.899327	0	1	1
Dnajc18_j2	3.28907	5.85291	0	1	1
Tmem173_j1	0.267219	0.747036	1.48316	0.0030868	0.0352264
Nrg2_j3	0.687506	0.675451	-0.0255206	0.954404	0.986881
Arap3_j3	0.122284	0.342051	1.48398	0.0126873	0.102195
Arap3_j4	0.000578351	0.0804795	7.12053	0.255874	1
Arap3_j5	0.299707	0.147785	-1.02005	0.025321	0.165775
XLOC_015975	0.0384404	0.229101	2.57529	0.004238	0.0447442
Gnpda1_j4	2.61411	3.24297	0.310992	0.414108	0.732691
Fgf1_j11	3.08393	3.46826	0	1	1
Yipf5_j1	4.65608	5.12625	0.138788	0.570318	0.826209
Prelid2_j1	0.0854393	0.0831308	-0.0395175	0.97352	1
Gm4013	0.363069	0.419027	0.2068	0.790789	0.930269
XLOC_015994	0.248535	0.867101	1.80275	0.0010734	0.0151213
XLOC_015994	0.0614515	0.329338	2.42205	0.0053367	0.0532891
XLOC_015994	0.0402478	0.622601	3.95133	0.0019127	0.0241088
Trim36_j3	8.72914	6.81078	0	1	1
XLOC_016002	0.0536089	0.121917	1.18536	0.21949	1
Atg12_j3	0	0.14753	0	1	1
Sema6a_j1	1.7038	5.26899	0	1	1
Sema6a_j2	0	0.0710463	0	1	1
Dtwd2_j4	0.260729	0.344225	0.400802	0.459265	0.761406
Ppic_j1	0.291642	0.426819	0.549427	0.509493	0.790813
Zfp608_j2	1.38672	1.27664	-0.119333	0.555598	0.818332
Synpo_j3	0	0.0687438	0	1	1
Synpo_j4	0	0.0885785	0	1	1
Synpo_j8	0.255409	0.56272	0	1	1
Tcof1_j2	0.545476	0.877988	0.686686	0.0132784	0.105622
Slc6a7_j4	0	0.0580996	1.79769e+308	0.0612556	1
Slc26a2_j2	0	0.0750411	1.79769e+308	0.270457	1
Ppargc1b_j2	0.862034	0.387148	0	1	1
Arhgef37_j7	0.000210022	0.0831694	8.62937	0.667615	1
Arhgef37_j6	0.0391956	0.160819	2.03667	0.0063271	0.061076
Pcyox1l_j5	2.71999	2.29033	0	1	1
Ablim3_j2	2.38642	3.14654	0	1	1

Fbxo38_j7	3.6425	4.83812	0	1	1
Fam38b_j9	37.2034	35.0772	0	1	1
Fam38b_j12	4.05628	3.4875	0	1	1
Fam38b_j11	6.11985	6.2626	0	1	1
Lman1_j1	4.96188	5.66751	0.19183	0.172981	0.510725
Afg3l2_j3	6.54892	9.61117	0	1	1
Spire1_j4	0.00356711	0.942784	0	1	1
Rab27b	0.875946	1.21585	0.473055	0.0260011	0.169024
2310002L13Rik	0.103961	0.213769	1.04001	0.18562	0.525906
4930503L19Rik_j2	0.000222645	0.444066	0	1	1
Mapk4_j5	0.589813	1.02434	0	1	1
Gm672_j12	0	0.608785	0	1	1
XLOC_016078	0.163194	0.294008	0.849262	0.272522	0.621353
Slc14a1	0.0376663	0.104654	1.47429	0.11694	1
Setbp1_j1	0.0352441	0.195622	2.47262	0.0063655	0.0613499
Setbp1_j2	0.000127768	0.162434	10.3121	0.932524	0.979532
Setbp1_j3	0.0775425	0.0876908	0.177437	0.896433	1
XLOC_016088	0.336885	0.297063	-0.181488	0.619072	0.85046
Hsbp1l1_j1	2.85908	3.03724	0	1	1
Kcng2_j2	6.59881	7.11098	0	1	1
Kcng2_j1	0.145201	0.188939	0	1	1
Nfatc1_j3	0.199354	0.287764	0.529551	0.280601	0.629166
Nfatc1_j4	0.0944662	0.209368	1.14817	0.0972924	0.385538
Atp9b_j8	0.413711	1.08173	0	1	1
Zfp236_j3	0.164457	0.10373	0	1	1
1700034H14Rik_j1	0.101007	0.125603	0.314417	0.710097	1
Socs6_j2	0	0.200416	1.79769e+308	8.44E-05	0.0018558
Cis4_j4	1.08978	1.30067	0.25522	0.311902	0.656418
Cis4_j3	0.0997703	0.156934	0.653479	0.247848	1
Dok6_j2	1.17513	1.52091	0	1	1
Svil_j5	0.00113303	0.238165	7.71563	0.021895	0.150018
Svil_j4	0	0.0780303	1.79769e+308	0.0029877	1
Svil_j6	0	0.0549508	1.79769e+308	0.0105281	1
Zeb1_j2	0	0.654283	0	1	1
XLOC_015608	0.0299276	0.154956	0	1	1
Colec12_j2	0.230157	0.430549	0.903561	0.0358757	0.208963
Thoc1_j1	6.23513	6.76826	0	1	1
Greb1l_j4	0	0.165939	1.79769e+308	0.0004372	0.0072661
Greb1l_j7	0.14786	0.283199	0.937579	0.089827	0.36783
Lama3_j8	0.301	0.342131	0.184786	0.603408	0.843376
Ttc39c_j1	14.076	16.2947	0.211161	0.0875221	0.362018
XLOC_015622	0.0661165	0.113234	0	1	1
Cabyr_j1	0.276877	0.422152	0	1	1
XLOC_015624	0.0512811	0.0626007	0.287752	0.83796	1
XLOC_015631	0.112769	0.148406	0.396172	0.677986	1
TRIF	0	0.0556417	1.79769e+308	0.0737917	1
Rnf138_j1	0.0416547	0.0860933	1.04742	0.36994	1

Asxl3_j2	2.08E-05	0.125113	0	1	1
2700062C07Rik_j1	0.0378901	0.0567364	0.582455	0.537723	1
XLOC_015646	0.145528	0.210435	0.532083	0.24918	0.596644
Mocos_j3	0.0769514	0.187784	1.28705	0.109646	0.412055
AW554918_j3	0	0.130339	1.79769e+308	0.0004792	1
Ammecr1_j2	0.305161	0.433362	0	1	1
Ammecr1_j1	0	0.0684322	0	1	1
Wdr33_j6	0	0.397734	1.79769e+308	1.28E-11	1.52E-09
lws1_j1	1.66104	1.34068	0	1	1
lws1_j2	0.355295	0.487673	0	1	1
Wdr36_j1	1.37011	1.50152	0	1	1
Wdr36_j2	3.16814	3.14773	0	1	1
Camk4_j1	0.0887583	0.123936	0.48164	0.467052	1
Apc_j4	0.0436353	0.0590376	0	1	1
Apc_j7	0.0370779	0.0695416	0	1	1
Fam53c	0.0654783	0.0301545	0	1	1
Fam53c_j5	0.0574256	0.448188	0	1	1
Fam53c_j6	7.63138	11.1719	0	1	1
Kdm3b_j2	2.44555	2.86545	0	1	1
Paip2_j1	5.24848	10.945	1.06029	0.0002288	0.0042901
Ube2d2_j6	1.78378	1.69801	-0.0710875	0.714311	0.896527
0610010O12Rik_j3	0.0530678	0.128434	1.27511	0.339399	1
0610010O12Rik_j7	48.0879	56.1641	0.223974	0.0924873	0.374196
Ankhd1_j3	0.225156	0.212254	-0.0851335	0.813516	0.939156
Pcdha2_j3	69.0943	65.6664	0	1	1
XLOC_015708	0.116535	0.139429	0.258771	0.588088	1
XLOC_015708	0.0704406	0.0344353	-1.03252	0.237329	1
XLOC_015709	0.126407	0.0510183	-1.30899	0.257213	1
XLOC_015709	0.0545285	0.199214	1.86924	0.126899	0.443747
0610009O20Rik_j1	1.11264	1.03453	0	1	1
Ndfip1_j2	66.4286	70.0824	0	1	1
9630014M24Rik_j6	0.462893	1.16493	0	1	1
mKIAA1317_j5	0.00214853	1.1376	0	1	1
XLOC_015728	0.937057	0.727788	0	1	1
Stk32a_j2	0.362823	1.14096	0	1	1
Kcnn2_j2	1.45756	1.31302	-0.150662	0.681754	0.880565
XLOC_015739	0.0842615	0.144291	0.776032	0.275016	1
Ap3s1_j3	1.04052	0.860008	0	1	1
Ap3s1_j6	12.4431	12.1264	0	1	1
Dmxl1_j10	0.42205	0.554295	0	1	1
Tnfaip8_j1	0	0.274662	1.79769e+308	0.0048041	0.0492313
Sncaip	7.54E-05	0.191514	11.3112	0.955228	0.987121
Snx2_j1	9.74757	8.64871	-0.172557	0.183768	0.524378
AK036466_j2	0.314732	0.378128	0.264752	0.54579	0.812631
XLOC_015756	0.10897	0.126963	0.220476	0.844694	1
Lmnbl1_j1	0.622732	0.642197	0.0444035	0.921261	0.975363
Ctxn3_j8	0.685352	0.858758	0	1	1

Slc12a2_j3	4.5977	3.7547	-0.292213	0.0881784	0.363523
A730017C20Rik_j2	2.57581	1.92671	0	1	1
A730017C20Rik	0.754588	2.81906	0	1	1
Csf1r_j3	2.45365	3.82685	0	1	1
AK143260_j6	0	0.231194 1.79769e+308		0.0192214	0.137133
Sh3tc2_j4	1.35324	1.2913	-0.0675901	0.851153	0.952679
XLOC_015794	0.0271047	0.136115	2.32821	0.248372	1
XLOC_015798	17.3364	14.9654	-0.212175	0.152062	0.483508
Nedd4l_j3	11.8554	5.88985	0	1	1
Nedd4l_j6	10.542	17.1219	0	1	1
XLOC_015799	0.416643	0.458914	0.139414	0.578863	0.83051
Malt1_j7	0.305339	0.232951	-0.390381	0.416094	0.733677
Malt1_j9	0	0.17809 1.79769e+308		0.0017236	0.0221971
mKIAA1629_j2	0	0.120358	0	1	1
mKIAA1629_j4	1.09318	1.035	0	1	1
5330437102Rik_j1	0.0403961	0.103802	1.36155	0.445453	1
XLOC_015807	0.0725446	0.568734	2.97081	0.0005099	0.0082712
XLOC_015807	0.0170834	0.181357	3.40817	0.0083661	0.075018
Impa2_j1	1.16385	0.872679	-0.415388	0.078353	0.339336
Slmo1_j3	0.248578	0.263982	0.0867452	0.881387	0.962332
Seh1l_j2	1.67914	1.79159	0.0935216	0.777004	0.924635
Cep192_j6	0.255976	0.230792	-0.149416	0.699687	0.889447
D18Ert653e_j2	0.771014	1.00449	0	1	1
D18Ert653e_j5	0.0350379	0.0683263	0	1	1
Rnmt_j3	4.79109	5.24408	0	1	1
Tcf4_j2	0.00115444	0.354397	0	1	1
Tcf4_j5	0	0.0751318	0	1	1
Mro_j1	0	0.099218 1.79769e+308		0.0418745	1
Mro_j11	0.299766	0.312879	0.0617679	0.927788	0.977629
AK036329	0.237601	0.222478	-0.0948815	0.854485	0.953933
Myo5b_j5	0	0.0587619 1.79769e+308		0.0957527	1
Zbtb7c_j2	0.344456	0.418273	0	1	1
Smad2_j3	5.28352	9.00955	0.769956	5.67E-06	0.0001885
Pias2	0.725717	0.844546	0.21877	0.581159	0.832113
St8sia5_j4	2.03461	1.27561	-0.673563	0.0070761	0.0664631
Atp5a1_j3	0.261085	0.26618	0	1	1
Pqlc1_j1	12.0876	10.657	0	1	1
Pqlc1_j2	10.8538	12.3498	0	1	1
Mbp_j6	1.26986	2.67869	0	1	1
Mbp_j7	1.18576	1.57177	0	1	1
Zfp516_j1	3.59349	3.01867	0	1	1
Neto1_j1	0.221698	0.391752	0	1	1
Rtnn_j7	0	0.0906538 1.79769e+308		0.0409841	1
Rtnn_j10	0	0.179797 1.79769e+308		0.0018227	0.0232179
Crem_j4	0.0891385	0.170347	0	1	1
Map3k8_j4	0.028703	0.094818	1.72396	0.120178	1
Zfp438_j2	0.0616071	0.382959	2.63602	0.0002945	0.0052647

Arhgap12_j3	3.26187	2.48735	0	1	1
Kif5b_j2	0.259386	0.319488	0	1	1
Kif5b_j3	8.47643	10.6631	0	1	1
Mkx_j2	0.982002	0.874795	-0.166781	0.51886	0.796709
Usp14_j1	0.427255	0.512297	0	1	1
Usp14_j4	11.6147	11.0082	0	1	1
Rock1_j7	0.736644	1.05927	0	1	1
Osbpl1a_j4	0	0.192267	0	1	1
Osbpl1a_j5	0	0.0509721	0	1	1
Osbpl1a	4.81477	4.63522	0	1	1
Osbpl1a_j6	2.21551	2.26704	0	1	1
XLOC_015893	0.0992913	0.0947816	-0.0670609	0.94374	1
Ss18_j1	1.08714	3.69894	0	1	1
Chst9_j3	0.840973	0.327692	-1.35972	0.0059065	0.0578066
Cdh2_j4	0	0.395646	1.79769e+308	0.0001573	0.0031385
Trappc8_j4	4.68415	7.74356	0	1	1
Nol4_j4	0	0.196729	1.79769e+308	0.0010445	0.0147877
XLOC_015910	0	0.0838259	0	1	1
Zfp397os_j1	0.0531535	0.145569	0	1	1
Celf4_j7	10.4952	14.8178	0	1	1
Celf4_j8	0.120839	0.140728	0	1	1
Celf4_j9	3.87802	5.14494	0	1	1
Celf4_j10	4.06848	5.16883	0	1	1
Syt4_j2	0	0.142845	0	1	1
Slc25a46_j1	29.0504	23.023	0	1	1
Epb4.1l4a_j1	0	0.125424	0	1	1
Epb4.1l4a_j2	1.78507	2.95251	0	1	1
Fam13b_j11	0.676649	1.00889	0	1	1
Fam13b_j7	0.707534	1.05093	0	1	1
Gfra3_j2	1.13265	2.43946	0	1	1
Hspa9_j4	0	3.04301	0	1	1
Spata24_j1	0.511372	0.80178	0.648834	0.263365	0.612228
Ecscr_j1	0.180319	0.294284	0.706653	0.40615	0.727665
Pfdn1_j1	59.9341	59.358	-0.0139354	0.908811	0.971253
Hars_j5	3.44827	4.12548	0.25869	0.0468238	0.248242
Diap1_j7	0.829285	0.531463	-0.6419	0.0762465	0.33358
Diap1_j6	4.97422	5.71161	0.199425	0.145794	0.473762
Diap1_j10	0	0.0534044	1.79769e+308	0.0806811	1
Fchsd1_j3	0.740791	0.707434	0	1	1
Arap3_j10	0	0.166741	1.79769e+308	0.0001072	0.0022857
Arap3_j11	0.40097	0.222681	-0.848519	0.0331786	0.198717
XLOC_015973	0.164704	0.122503	-0.427059	0.561888	0.821834
XLOC_015975	0.147803	0.201722	0.448694	0.199456	0.542402
Pcdh12_j1	0.0275181	0.23887	3.11777	0.0007774	0.0117108
Fgf1_j3	42.0878	23.4052	0	1	1
Grxcr2_j1	0	0.218542	1.79769e+308	0.0142572	0.110928
Ppp2r2b_j3	0	8.43504	0	1	1

Jakmip2_j1	0.222359	0.0611033	0	1	1
Mcc_j1	0.636812	0.44943	0	1	1
Mcc_j6	0	0.0992521	1.79769e+308	0.057018	1
Trim36_j8	28.8458	36.6207	0	1	1
Pggt1b_j2	1.82345	1.64189	0	1	1
Sema6a_j4	0.568481	0.806098	0	1	1
Cep120_j1	18.8836	20.7125	0.133368	0.257537	0.606306
Zfp608_j1	0.0765303	0.225619	1.55978	0.0134907	0.106684
C330018D20Rik_j1	0.827077	1.20299	0.540528	0.0782508	0.339122
2010002N04Rik_j1	1.68263	3.50226	0	1	1
Synpo_j6	0.697978	0.610155	0	1	1
Ndst1_j1	0.098706	0.318	0	1	1
Slc6a7_j1	0.427977	0.391128	-0.129895	0.798412	0.933105
Slc6a7_j2	0	0.173537	1.79769e+308	0.001608	0.0209279
Ppargc1b_j3	0.000119562	0.302596	0	1	1
Arhgef37_j5	0.0614372	0.0808366	0.395896	0.62246	1
Pcyox1l_j1	8.6356	8.92948	0	1	1
Pcyox1l_j3	1.09148	1.28222	0	1	1
Pcyox1l_j4	0	0.0484143	0	1	1
Afap1l1_j1	0.787066	0.955357	0.279557	0.384531	0.713264
Fbxo38_j4	0.119904	0.0688272	0	1	1
Fam38b_j15	0.135177	0.166146	0	1	1
Mppe1_j1	7.30818	6.08263	0	1	1
Afg3l2_j2	12.669	20.568	0	1	1
Cep76_j3	0.820922	0.580913	-0.498923	0.0802642	0.344599
Ptpn2_j3	0.534189	0.574335	0.104542	0.821804	0.94254
Rab27b_j1	0.173992	0.105748	-0.718399	0.193653	0.535932
Rab27b_j3	0.0588744	0.0783117	0.411588	0.569938	1
4930503L19Rik_j3	1.35009	1.32665	0	1	1
Poli_j5	0	0.0908846	1.79769e+308	0.0296648	1
Me2_j1	5.37708	4.16783	-0.367525	0.0010885	0.0152642
Gm672_j4	0	0.380318	0	1	1
Gm672_j5	0	0.313736	0	1	1
XLOC_016078	0.0440199	0.101392	1.20372	0.351453	1
Katnal2_j9	0.192764	0.132815	-0.537422	0.570913	0.826488
Katnal2_j10	0	0.0842166	1.79769e+308	0.0926393	1
Nfatc1_j1	0.162689	0.534656	1.7165	0.0064328	0.0617783
Nfatc1	0.134596	0.197584	0.553828	0.313611	0.657912
Atp9b_j10	0	0.0648225	0	1	1
Atp9b_j11	0.110748	0.0423315	0	1	1
Atp9b_j12	1.63801	1.18266	0	1	1
Zfp236_j7	0.792141	1.64221	0	1	1
Zfp236_j8	0.156044	0.341861	0	1	1
Cndp2_j2	0.00170345	5.31632	11.6078	0.0515132	0.263177
1700034H14Rik_j5	1.13319	1.17444	0.0515762	0.920273	0.975018
Socs6	0.030097	0.226226	2.91008	0.0002441	0.0045303
Gm6225	0.075229	0.155072	0	1	1

Mtpap_j1	0	0.192575	1.79769e+308	0.0317628	0.192965
Svil_j10	1.67325	2.12675	0.345995	0.128221	0.44626
Zeb1_j1	0.000397944	1.49303	0	1	1
Rbbp8_j4	0.566779	0.66321	0.22668	0.541426	0.809449
Riok3_j3	7.50571	10.5667	0	1	1
Lama3_j9	0.393175	0.413524	0.0728003	0.875954	0.960645
Lama3_j10	0.0913271	0.151219	0.727522	0.511985	1
Lama3_j12	0.211534	0.686161	1.69766	0.0047805	0.0490621
Rnf125_j1	0.105945	0.131004	0.306285	0.651281	1
Rnf138_j3	0.191322	0.126611	-0.595605	0.44326	0.751213
AW554918_j4	1.07578	0.95838	-0.166711	0.509541	0.790813
Wdr33_j1	0	0.202995	1.79769e+308	2.36E-07	1.15E-05
Map3k2_j2	0.190402	0.169964	0	1	1
Map3k2_j3	0.346524	0.462286	0	1	1
Bin1_j6	18.4514	27.1713	0	1	1
Camk4_j9	0.0841395	0.451507	2.42389	1.08E-11	1.31E-09
Pkd2l2_j3	0.0567398	0.223149	1.97557	0.081605	0.347964
Pkd2l2_j4	0.488151	0.672975	0.463224	0.242725	0.590089
Pkd2l2_j5	0.0855407	0.224392	1.39134	0.0365136	0.211245
Fam53c_j2	0.0208699	0.0968525	0	1	1
Fam53c_j4	0	0.0496155	0	1	1
Ctnna1	0.78246	0.684252	0	1	1
Matr3_j3	13.329	21.2268	0	1	1
XLOC_015679	0.128813	0.130148	0	1	1
0610010012Rik_j4	56.4232	55.0227	-0.0362615	0.827918	0.944579
0610010012Rik	6.88559	7.90399	0.199002	1	1
Ankhd1_j8	1.09117	0.783117	-0.478583	0.0227469	0.153992
Ankhd1_j7	0.205755	0.0110531	-4.21841	0.0013985	0.0186916
Ankhd1_j9	3.99171	4.00687	0.00546608	0.967695	0.990878
Ik_j3	19.6052	21.0078	0	1	1
Wdr55_j1	0.222168	0.170802	-0.379326	0.66622	0.873541
XLOC_015709	0.0165251	0.136318	3.04425	0.18896	1
0610009020Rik_j3	1.28454	1.98918	0	1	1
XLOC_015714	0.0708507	0.0897276	0.34077	0.796611	1
XLOC_015716	2.54679	3.92447	0.623816	0.0010178	0.0144981
9630014M24Rik_j3	0.0987731	0.236398	0	1	1
Arhgap26_j1	0.238586	0.128998	0	1	1
Arhgap26_j2	1.34907	1.502	0	1	1
XLOC_015724	0.0247742	0.128353	2.3732	0.222664	1
Commd10_j3	0	0.197483	1.79769e+308	0.0350674	0.205929
Dmxl1_j12	0.0706704	0.0420787	0	1	1
Dmxl1_j11	0.550465	0.108292	0	1	1
Tnfaip8_j2	0	0.0991874	1.79769e+308	0.0655067	1
Prr16	0.0868603	0.106482	0.293846	0.800194	1
XLOC_015754	0.46333	0.436393	-0.0864133	0.711782	0.895383
Prrc1_j1	0	0.15454	1.79769e+308	0.0010027	1
Ctxn3_j5	3.87634	3.1842	0	1	1

Slc12a2_j4	22.5479	20.2585	-0.154463	0.110968	0.41459
XLOC_015764	0.022968	0.096396	2.06935	0.286491	1
Isoc1_j2	0	0.826671	0	1	1
A730017C20Rik_j1	0.277799	0.235727	0	1	1
Rps14	2.32285	2.00512	0	1	1
Rps14_j6	0.220622	0.3329	0	1	1
Csf1r_j2	0.975571	4.75443	0	1	1
Htr4_j2	0	0.0866861 1.79769e+308		0.0066315	1
XLOC_015798	0.0509672	0.122585	1.26614	0.485402	1
Nedd4l_j1	7.83521	8.83467	0	1	1
Nedd4l_j9	4.44258	2.38079	0	1	1
Nedd4l_j11	2.87468	7.7525	0	1	1
Malt1_j4	0	0.135532 1.79769e+308		0.001806	1
mKIAA1629_j5	0.307316	0.47218	0	1	1
mKIAA1629_j8	0.299924	0.437087	0	1	1
XLOC_015807	0	0.146103 1.79769e+308		0.0370894	1
Gnal_j2	39.4636	45.561	0	1	1
Seh1l_j4	0.339901	0.138502	-1.2952	0.0725899	0.32416
Cep192_j8	0.0643916	0.0877591	0.446677	0.518396	1
D18Ert653e_j4	0	0.0835695	0	1	1
Ccdc68_j2	0.329957	0.18229	0	1	1
Stard6_j1	0.0474597	0.19311	2.02465	0.188574	0.530176
Mro_j9	0.0449303	0.115647	1.36397	0.435547	1
Mro_j13	0.144301	0.0774124	-0.898443	0.401194	0.724522
Mbd1_j1	1.48375	1.59018	0	1	1
Myo5b_j3	0	0.0575907 1.79769e+308		0.0963992	1
Myo5b_j9	0.254094	0.113559	-1.16192	0.215644	0.561479
Acaa2_j1	9.3944	7.89258	-0.251304	0.205901	0.550399
Dym_j5	3.07685	8.29175	0	1	1
Zbtb7c	0.184004	0.188746	0	1	1
Skor2_j5	0.748122	0.645345	0	1	1
Hdhd2_j1	3.79526	3.71729	-0.0299479	0.917749	0.974387
Pias2	0	0.280578 1.79769e+308		0.0044344	0.0464345
Txnl4a	12.1039	12.0237	0	1	1
XLOC_015852	0.214792	0.143044	-0.586478	0.614772	0.847855
Mbp_j8	91.9541	117.135	0	1	1
Zfp516_j2	0.0851032	0.115294	0	1	1
Fbxo15_j1	0.0169294	0.509759	4.91221	0.0772451	0.336374
Rttn_j16	0.130308	0.16281	0.321263	0.773206	0.923062
Gm10125_j3	0	0.351732 1.79769e+308		0.000123	0.0025535
Arhgap12_j2	1.02697	1.80769	0	1	1
Epc1_j2	0.249688	0.530277	0	1	1
Mpp7_j5	0.37172	0.534421	0.523762	0.109052	0.410758
Rock1_j5	0.000105436	0.0664455	0	1	1
Ospl1a_j3	0.237971	0.525583	0	1	1
Cdh2_j2	0.00239455	0.407235	7.40996	0.0168745	0.125119
B4galt6_j3	13.6535	9.68438	0	1	1

Nol4	0	0.114062	1.79769e+308	0.0845636	1
Zfp397os_j4	0.0920529	0.0792702		0 1	1
Rprd1a_j1	8.36772	8.25241		0 1	1
Celf4_j1	0.321091	0.645289		0 1	1
Celf4_j2	1.19838	1.24233		0 1	1
Rit2_j1	5.84367	8.35616	0.515966	0.0049742	0.0505188
Slc25a46_j2	0	0.266753		0 1	1
4933408B17Rik_j1	0.290464	0.294171	0.0182949	0.97453	0.992738
Brd8_j3	2.43936	2.29893	-0.0855401	0.663135	0.872404
XLOC_015940	0.00549457	0.0679902	3.62925	0.532684	1
Cdc25c_j2	0.0734556	0.175218	1.25421	0.172847	0.51052
Hspa9_j2	13.7322	12.0666		0 1	1
Hspa9_j3	0	0.149314		0 1	1
Apbb3_j4	4.67312	3.78287	-0.304904	0.0429364	0.23482
Cd14_j1	0.197098	0.560927	1.5089	0.0134575	0.106582
Diap1_j8	0	0.568948	1.79769e+308	1.44E-06	5.68E-05
Fchsd1_j1	7.71868	7.32943		0 1	1
Arap3_j6	0.870332	0.958859	0.139752	0.738879	0.908304
Arap3_j7	0	0.251358	1.79769e+308	0.007224	0.0675013
Arap3	0.0262889	0.209823	2.99665	0.0004176	0.007007
Pcdh1_j3	0	1.50881	1.79769e+308	3.16E-15	6.38E-13
XLOC_015981	0.148545	0.101334	-0.55178	0.590595	0.836692
Fgf1_j9	14.649	22.1708		0 1	1
Fgf1_j10	37.0992	21.7702		0 1	1
Nr3c1_j4	0.619142	0.618413		0 1	1
XLOC_015988	0.0705832	0.156437	1.14818	0.464291	1
XLOC_015988	0	0.104552	1.79769e+308	0.0846684	1
XLOC_015988	0	0.0761864	1.79769e+308	0.114577	1
Prelid2_j5	0.0507183	0.143686	1.50234	0.318846	1
Prelid2_j6	0.000377126	0.078192	7.69583	0.875806	1
XLOC_015994	0.0558117	0.259714	2.21828	0.0396859	0.222743
XLOC_015994	0	0.0835053	1.79769e+308	0.0696039	1
XLOC_015994	0	0.248062	1.79769e+308	0.001939	0.0243764
Jakmip2_j4	6.19612	9.05587		0 1	1
Trim36_j6	4.581	5.26269		0 1	1
Pggt1b_j1	0.0293457	0.210061		0 1	1
Sema6a_j3	0.465943	1.51215		0 1	1
Dtwd2_j2	0.23903	0.245401	0.0379512	0.955573	0.987197
Aldh7a1_j2	4.96792	3.94686		0 1	1
Fbn2_j2	0.152554	0.0923927	-0.723473	1	1
Fbn2_j1	0	0.116171	1.79769e+308	0.0080246	1
Hmgxb3_j2	0	0.0816034		0 1	1
Arhgef37_j3	0.500943	0.245749	-1.02746	0.0206907	0.144219
Arhgef37	0	0.222414	1.79769e+308	1.55E-05	0.0004491
Arhgef37_j4	0.205413	0.16539	-0.312663	0.512868	0.7923
Grpel2_j3	2.21544	1.64689		0 1	1
Ablim3_j1	3.07909	3.74928		0 1	1

Fbxo38_j5	0.0743869	0.193771	0	1	1
Fam38b_j14	0.99489	0.00271311	0	1	1
Fam38b_j13	2.59257	2.91839	0	1	1
Atp8b1_j2	0.00951659	0.0517507	2.44306	0.295995	1
Mc4r	0.347417	0.673783	0.955616	0.0006555	0.0101821
Spire1_j3	3.86672	4.42882	0	1	1
Cep76_j2	8.90E-05	0.236076	11.3736	0.833327	0.946329
Cep76_j1	0.433444	0.156881	-1.46618	0.0047073	0.0484846
XLOC_016071	0.04001	0.118859	1.57082	0.177406	1
Lipg_j1	0.0934128	0.177526	0.92634	0.163593	0.498858
Gm672_j3	0.00159194	2.50406	0	1	1
XLOC_016078	0.0300133	0.0489079	0.704465	0.677841	1
Katnal2_j6	0.0335857	0.184696	2.45923	0.0351287	0.206239
Katnal2_j5	0.0241378	0.0898506	1.89624	0.147469	1
Siglec15_j1	0.00788282	0.0983225	3.64074	0.276127	1
Adnp2_j2	0.570732	0.459234	-0.313584	0.31748	0.660796
Atp9b_j4	1.56974	1.57685	0	1	1
Atp9b_j5	0.505912	0.338178	0	1	1
Galr1_j1	0.298881	0.799692	1.41987	1.07E-08	7.48E-07
Zfp236_j1	0.502038	1.01494	0	1	1
Zfp407_j2	0	0.273082	1.79769e+308	0.0010499	0.0148551
Mrpl21	1.2188	1.49252	0	1	1
Cpt1a	3.42292	2.91818	0	1	1
Cpt1a_j3	1.14206	2.63858	0	1	1
1810055G02Rik_j1	1.52764	1.29996	0	1	1
1810055G02Rik	3.38239	3.40613	0	1	1
XLOC_016695	0.25088	0.168349	-0.575544	0.476693	0.772259
Suv420h1	0.0814155	0.107005	0.394299	0.483419	1
Suv420h1_j2	0.15168	0.136739	-0.149605	0.789312	0.929739
Chka	3.79446	4.34639	0	1	1
Chka_j1	8.02911	9.72459	0	1	1
Chka_j2	5.62259	7.0059	0	1	1
XLOC_016696	0.232045	0.238371	0	1	1
Acy3	0.428548	0.068739	-2.64026	0.0314457	0.191587
Doc2g_j3	0.367969	0.285687	-0.36515	0.357655	0.693512
Cdk2ap2	5.12331	5.33796	0.0592129	0.734736	0.906438
Cdk2ap2_j1	16.6568	16.779	0.0105456	0.940786	0.982026
Pitpnm1_j2	4.30433	2.87809	0	1	1
Coro1b_j7	9.84806	12.0224	0	1	1
Ppp1ca	0.145563	0.188502	0	1	1
Ppp1ca_j5	45.5214	56.5675	0	1	1
Clcf1	2.66E-05	0.39191	13.8483	0.950339	0.985635
Clcf1_j3	0.197161	0.0403076	-2.29025	0.0472747	0.249594
Clcf1_j6	0.295162	0.431254	0.547029	0.243135	0.590533
Pold4	20.1162	21.684	0.108271	0.379994	0.711076
XLOC_016711	0.1586	0.145315	0	1	1
XLOC_016711	0.126898	0.0387676	0	1	1

Pcx_j1	0.167151	0.13499	-0.308306	0.420717	0.736893
Spnb3	6.55821	5.03707	-0.380718	0.0006324	0.009899
Spnb3_j3	12.8632	14.1598	0.138546	0.118631	0.428668
Spnb3_j4	0.0527704	0 -1.79769e+308		0.0006926	1
Spnb3_j7	13.1989	16.3037	0.304782	0.023903	0.159295
Rbm4b	2.06716	1.9428	-0.0895179	0.674923	0.877505
Rbm4b_j1	0.507536	0.540452	0.0906561	0.791647	0.930476
Rbm4b_j2	1.7441	1.84323	0.0797577	0.689737	0.885061
Ccdc87	0.559146	0.53116	-0.0740785	0.771159	0.922274
Ctsf	20.1284	17.8323	-0.174739	0.0959154	0.382476
Zdhhc24	3.41535	4.78054	0	1	1
Zdhhc24	7.77529	7.38657	0	1	1
Mrpl11	2.88306	2.86634	-0.00838827	0.952631	0.986299
Slc29a2	3.21431	4.96762	0.628043	6.09E-07	2.69E-05
B3gnt1	28.5863	32.6993	0.193934	0.0286355	0.180049
Rin1_j2	0.0407979	0.119405	1.5493	0.0716564	1
Rin1_j1	0.0543362	0.112524	1.05024	0.184486	1
Rin1_j7	0.120106	0.35046	1.54495	0.0082866	0.0745957
Cd248	0.843388	1.35387	0.682819	0.0013717	0.0184243
Gal3st3	1.32551	0.986455	-0.426227	0.0806695	0.345729
Eif1ad	4.41609	4.79834	0.119765	0.384236	0.71322
Bles03	3.86806	3.83474	-0.0124817	0.955132	0.987121
Al837181	27.1411	27.7489	0.0319514	0.757438	0.916403
Fosl1	0.153014	0.178406	0	1	1
Fibp_j2	4.00362	4.07617	0	1	1
Fibp	10.2692	9.53721	0	1	1
Fibp_j1	3.01732	2.73384	0	1	1
Efemp2_j2	0.845376	0.964606	0	1	1
Efemp2_j3	0.301724	0.470452	0	1	1
Cfl1_j1	444.411	524.72	0.239655	0.0064528	0.0619057
Gm962	2.30713	2.22672	-0.0511841	0.677777	0.878835
XLOC_016735	0.0781674	0.0484106	0	1	1
Rnaseh2c	0.554381	0.574499	0	1	1
Rela	2.11816	2.66621	0.331976	0.0861993	0.358764
Rela_j2	2.11064	1.59237	-0.406503	0.116918	0.425121
Map3k11_j3	5.57077	6.46278	0.214277	0.143543	0.470705
Ltbp3_j1	0.0872185	0.0297697	0	1	1
Slc25a45	0.496707	0.633305	0.350506	0.42161	0.737768
Slc25a45	1.12058	1.40381	0.325103	0.196647	0.53943
Batf2_j1	0.163894	0.052174	-1.65136	0.215772	0.561549
Atg2a_j6	1.37602	1.61358	0.229761	0.267077	0.616066
Ehd1	15.3289	20.7278	0.435311	3.43E-06	0.0001217
Cdc42bpg_j1	0.432475	0.440819	0.0275697	0.920261	0.975018
Cdc42bpg_j4	0.10078	0.100204	-0.00827174	0.98813	1
Cdc42bpg_j5	0.232134	0.0665454	-1.80255	0.0068664	0.0648684
Cdc42bpg_j9	0.564076	0.71694	0.345962	0.302758	0.648644
Men1	20.4666	24.75	0.274156	0.0039385	0.0424409

Map4k2	10.2765	8.32922	0	1	1
Sf1	5.385	6.4117	0	1	1
Pygm_j2	0.221373	0.0734713	-1.59123	0.366283	0.700066
Pygm_j3	0.382956	0.539096	0.493364	0.503	0.786906
Rasgrp2_j2	0.383416	0.214591	-0.837321	0.370255	0.703609
Rasgrp2_j4	1.01276	0.635212	-0.672988	0.303048	0.648824
Rasgrp2_j6	3.70E-05	0.436005	13.5257	0.956668	0.987617
Nrxn2_j2	5.79462	5.72089	-0.0184735	0.875533	0.960411
Nrxn2_j7	21.0785	19.3605	-0.122656	0.238172	0.585036
Nrxn2_j6	24.6422	22.9146	-0.104864	0.320018	0.663346
Ppp1r14b_j2	1.74722	2.32618	0.4129	0.025741	0.167714
Trpt1	1.49879	1.63445	0.125012	0.555553	0.818323
Trpt1_j1	0.616184	0.60487	-0.0267356	0.937872	0.980993
Rcor2_j1	1.67899	1.44474	0	1	1
Pla2g16	10.1583	9.28919	-0.12903	0.240949	0.588146
Pla2g16	1.90587	2.01423	0.0797786	0.697866	0.888636
XLOC_016767	12.4741	14.8267	0.24926	0.318683	0.662023
XLOC_016768	7.38356	7.86648	0.0914021	0.644059	0.862786
Wdr74_j2	10.4752	11.4609	0	1	1
Stx5a	1.29521	0.895114	0	1	1
Stx5a	3.6364	4.82814	0	1	1
Nxf1_j5	4.34684	4.21729	0	1	1
Nxf1_j4	0.749152	0.79302	0	1	1
Zbtb3	0.0868398	0 -1.79769e+308	0.0046118	0.966298	0.990343
Zbtb3	1.12521	1.13253	0.00935557	0.966298	0.990343
Hnrnpul2	0.769437	1.09626	0	1	1
Ubxn1	22.68	21.9177	0	1	1
Ubxn1	54.3989	57.3857	0	1	1
1810009A15Rik	1.66755	1.41031	0	1	1
Eml3_j3	3.38637	3.22814	0	1	1
Eef1g_j6	0.298292	0.434525	0.542715	0.0491744	0.255597
Fth1	325.073	361.745	0	1	1
Fth1_j5	150.077	114.977	0	1	1
Rab3il1_j1	0.213674	0 -1.79769e+308	0.0006222	0.0006222	0.0097746
Rab3il1_j7	1.605	0.889302	-0.851828	0.0046206	0.0478345
Rab3il1	0.454274	0.360963	-0.331714	0.498211	0.783887
Fads3_j1	14.0658	25.1766	0	1	1
Fads1	46.8357	50.2092	0.100343	0.24668	0.594226
1810006K21Rik	36.1821	36.3468	0.0065538	0.96514	0.990054
Syt7_j2	21.3802	18.1608	0	1	1
Syt7_j1	9.82561	5.99116	0	1	1
Syt7_j4	7.90443	7.0597	0	1	1
Cpsf7	0.275151	0.408554	0	1	1
Cybasc3	1.74067	1.52997	-0.186142	0.380482	0.711466
Ddb1_j1	4.69728	4.40257	-0.0934786	0.526637	0.801167
Vps37c_j1	1.86089	1.85662	-0.0033148	0.994695	0.998469
Vps37c	6.98852	9.02261	0.368559	0.0540179	0.270834

Prpf19_j1	0.505622	0.295972	0	1	1
Prpf19	23.0176	20.8725	0	1	1
Prpf19_j3	32.3603	32.8547	0	1	1
4930526L06Rik_j1	0.318643	0.323074	0.0199266	0.982219	0.994604
XLOC_016800	0.299262	0.194199	-0.623877	0.615826	0.848539
Ms4a6c	0.19469	0.489631	1.33052	0.0023066	0.0279462
Ms4a6b	0.43912	0.897491	1.03128	0.0001506	0.0030264
Mrpl16	1.52131	1.44451	-0.0747311	0.576715	0.829111
Pat1	4.61309	4.33838	-0.0885777	0.497814	0.783786
Osbp	12.1974	11.4005	0	1	1
Osbp_j1	1.30602	1.5589	0	1	1
Mpeg1_j1	1.35497	3.50267	1.3702	0	0
Fam111a	2.19918	4.41061	1.00401	9.80E-12	1.20E-09
Gm4952_j1	0.0920473	0 -1.79769e+308		0.01663	1
Glyat	0.358022	0.322902	-0.148954	0.727686	0.903503
Lpxn_j2	0.0598164	0.148625	1.31306	0.255276	1
Rmnd1	7.27103	10.6779	0.554389	1.02E-05	0.0003147
Gnaq	31.8135	24.4442	0	1	1
Gnaq_j4	18.7538	26.0575	0	1	1
Prune2_j4	27.2482	18.9162	-0.526545	2.14E-09	1.71E-07
Prune2_j8	0.134457	0.675013	2.32777	2.44E-05	0.000649
Rfk	17.4302	14.9564	0	1	1
2410127L17Rik	0.315816	0.217529	-0.537877	0.484564	0.77644
2410127L17Rik_j1	0.28043	0.167012	-0.747691	0.383837	0.71322
D030056L22Rik	1.05059	1.23653	0	1	1
D030056L22Rik	2.33045	2.09171	0	1	1
Aldh1a1_j1	0.113121	0.189371	0.743349	0.287795	0.635813
Aldh1a1_j4	0.198616	0.201524	0.0209703	0.974384	0.992657
Zfand5	10.2981	6.6685	0	1	1
Zfand5_j2	0.0955076	0.0315863	0	1	1
Zfand5_j3	17.4877	19.3335	0	1	1
Zfand5_j7	6.80533	7.58494	0	1	1
Fam108b_j3	3.02333	2.94136	0	1	1
Tmem2	1.65817	1.4541	0	1	1
Trpm3_j2	0.367291	0.619961	0	1	1
Trpm3_j1	0.93537	0.456792	0	1	1
Trpm3_j6	0.652276	0.689904	0	1	1
Trpm3_j8	1.69773	0.895523	0	1	1
Klf9_j2	7.33021	12.2496	0	1	1
Klf9	3.07672	3.03057	0	1	1
Gm9493	42.5701	39.9424	0	1	1
Ptar1	0.534693	0.38625	-0.469174	0.0471703	0.249247
E030010A14Rik	0.259334	0.248286	-0.0628134	0.893218	0.966313
Kank1_j3	0.287404	0.266337	0	1	1
Smarca2	2.25947	1.50195	-0.589151	0.001249	0.0170719
Smarca2_j7	0	0.0496693 1.79769e+308		0.0571752	1
Vldlr_j6	0.0808583	0.352189	0	1	1

Vldlr_j5	0.403907	0.248475	0	1	1
Vldlr_j8	0.214411	0.0339991	0	1	1
Slc1a1	1.48925	0.891512	-0.740256	0.000858	0.0126499
Cdc37l1	6.1197	5.27131	0	1	1
Cdc37l1	3.06763	2.84192	0	1	1
Rcl1	5.14078	5.92679	0.205263	0.170605	0.507473
Jak2	3.34806	3.35611	0	1	1
Cd274_j2	0.32064	0.501638	0.645689	0.0440835	0.239188
C030046E11Rik	1.06696	0.81117	-0.395437	0.0089126	0.0785923
Il33	0.207068	0.734366	1.82639	3.82E-05	0.0009496
Il33_j3	0.105213	0.0694853	-0.598534	0.630086	1
Uhrf2_j1	0.0589109	0.0546304	-0.108832	0.89887	1
Uhrf2	1.45132	1.36709	-0.0862603	0.651968	0.866535
Mbl2_j1	0.559912	0.750978	0.423571	0.417384	0.734487
Cstf2t	6.54408	6.89508	0.0753785	0.486044	0.777413
Minpp1_j1	0.293838	0.138135	-1.08894	0.0920858	0.373315
Pten	0.177906	0.0743228	-1.25924	0.0256213	0.167135
Pten_j6	5.68088	3.688	-0.623274	0.0197176	0.139532
Pten_j8	0.69634	0.00746374	-6.54375	0.176292	0.515018
Lipk	0.743427	1.68464	1.18018	1.58E-05	0.0004574
Lipn_j1	0.0419145	0.842004	0	1	1
Lipn	0.447557	2.39952	0	1	1
Stambpl1	4.98938	4.77797	0	1	1
Stambpl1	0.162165	0.0629116	0	1	1
Stambpl1_j2	0.821164	0.665128	0	1	1
Fas	0.675944	0.936964	0.471089	0.145548	0.473492
Fas_j1	0.219692	0 -1.79769e+308	0.0009915	0.0009915	0.0142142
Ifit2	2.18701	1.9282	0	1	1
Ifit2_j2	0.971259	0.677096	0	1	1
Ifit2_j3	0.964455	0.0730657	0	1	1
Ifit3_j1	3.0246	4.02132	0	1	1
I830012O16Rik	2.50493	2.78697	0	1	1
Ifit1	1.32734	1.83584	0	1	1
Kif20b_j1	0.0852723	0 -1.79769e+308	0.0005011	0.0005011	1
Rpp30	11.3427	9.99238	-0.182866	0.221852	0.569069
Pcgf5_j4	0.0531308	0.0456491	0	1	1
Pcgf5_j2	0.578488	0.55908	0	1	1
Hectd2	0.445391	0.270535	-0.719258	0.0700125	0.317598
Hectd2	0.0929463	0.167538	0.850018	0.182063	0.522422
Hectd2_j3	0.227402	0.032192	-2.82047	0.0126973	0.102235
Tnks2	9.24104	9.29247	0	1	1
Btaf1	1.30752	1.19388	0	1	1
Btaf1_j5	0.648654	0.607041	0	1	1
March5	5.08547	4.7637	0	1	1
Hhex	0.543035	0.704495	0.375544	0.255189	0.6036
Hhex_j1	0.0871921	0.068635	-0.345254	0.799801	1
Exoc6	7.45081	5.82311	0	1	1

Cyp26c1_j1	0.142749	0.142708	-0.000413783	0.999317	0.999645
XLOC_016887	0.0918377	0.0206547	-2.15262	0.382058	1
Cyp26a1_j3	0.085944	0.20338	1.24271	0.427335	0.741741
Tmem20	0.177444	0.32517	0.873831	0.0698756	0.317302
Plce1_j1	0.0813499	0 -1.79769e+308		5.62E-07	1
Plce1_j6	0.337539	0.360049	0.0931423	0.736956	0.907442
Tbc1d12_j1	0.234994	0.0656234	-1.84034	0.0309373	0.189724
Hells	0.27612	2.16E-05	-13.6405	0.93773	0.980993
Hells_j8	0.0855797	0.0446981	-0.937054	0.379642	1
XLOC_016897	0.45878	0.287799	-0.67274	0.467054	0.766531
Entpd1	1.25198	1.12884	0	1	1
Entpd1_j3	0.151773	0.294131	0	1	1
Ccnj_j1	0.319374	0.231243	-0.465835	0.341755	0.681595
Ccnj	0.702469	0.619693	-0.18088	0.549276	0.814587
Ccnj_j7	0.462945	0.610341	0.398773	0.270163	0.619384
Zfp518a	0.780989	0.338301	0	1	1
Zfp518a_j2	0.998883	0.578666	0	1	1
Zfp518a_j3	0.0875318	0.222871	0	1	1
Gm9788	0.255986	0.493603	0.947288	0.0310788	0.190042
Lcor	0.862308	0.264354	0	1	1
Frat1	1.75711	1.72424	-0.0272466	0.881842	0.962574
Zdhhc16	0.47316	0.257651	0	1	1
Zdhhc16_j4	6.09232	6.69764	0	1	1
Ubttd1	6.05286	6.66861	0	1	1
Ubttd1_j1	0.290066	0	0	1	1
Ubttd1_j4	0.485271	0.154627	0	1	1
Pi4k2a	43.7858	46.6382	0.0910509	0.293158	0.640163
Marveld1	11.5797	13.4251	0.213334	0.0473939	0.250038
Zfyve27	2.10594	3.01681	0	1	1
Zfyve27	11.6618	12.8179	0	1	1
Golga7b	18.4103	15.6111	0	1	1
D19Erttd386e	0.741492	0.606961	-0.288827	0.224799	0.572013
Gm6776	8.28963	7.52494	-0.139628	0.365065	0.698907
Cnm1	3.14865	1.56638	0	1	1
Cnm1	4.57945	3.62942	0	1	1
AK076978	0.540552	0.468217	-0.207256	0.480846	0.774481
Entpd7	0.927318	0.794896	-0.222297	0.211179	0.555975
Scd2	71.4165	15.9677	0	1	1
Hif1an	7.95454	7.20693	0	1	1
Pax2_j1	0.459247	0.292579	-0.650445	0.0733655	0.326326
Fam178a	1.0379	0.800366	0	1	1
Fam178a_j3	0.336254	0.448466	0	1	1
Lzts2	0.462326	0.44863	-0.0433849	0.861152	0.956096
Lzts2_j1	0.0123188	0.0471561	1.93658	0.0920567	1
Sfxn3	18.0059	18.6522	0	1	1
Kazald1_j1	0.550071	0.239687	-1.19847	0.0953984	0.381326
Kazald1_j4	2.63553	1.88334	-0.484803	0.0432443	0.235975

XLOC_016935	0.556786	0.374389	-0.572585	0.123008	0.436598
Btrc_j2	0.63474	1.25528	0	1	1
Dpcd	5.4275	5.47304	0.0120544	0.909266	0.971287
Pprc1_j1	1.09747	1.12845	0	1	1
Pprc1_j11	0.30391	0.190834	0	1	1
Nolc1	4.71539	6.24395	0	1	1
Nolc1	4.13854	1.95158	0	1	1
Gbf1_j1	17.2322	13.6004	-0.341459	0.0002339	0.0043617
Gbf1_j2	0.783514	1.57723	1.00936	1.72E-05	0.0004901
Gbf1_j3	0.763171	0.708832	-0.106563	0.712921	0.896075
Gbf1_j6	6.75531	8.12643	0.2666	0.120344	0.43198
Nfkb2	0.479953	0.52161	0.120076	0.683797	0.881734
Sufu	1.36822	1.36676	0	1	1
Sufu	0.581204	0.484557	0	1	1
Trim8	7.8209	7.97542	0.0282265	0.799919	0.933188
Trim8_j3	1.61264	0.724151	-1.15506	0.0778632	0.337832
Sfxn2_j1	0.135702	0.124838	-0.120385	0.855477	1
D19Wsu162e	2.51777	2.77174	0	1	1
D19Wsu162e	3.18444	3.30805	0	1	1
2010012O05Rik	5.49527	5.73957	0.0627507	0.668947	0.874746
As3mt	4.21412	4.47916	0.0879959	0.585452	0.833935
XLOC_016954	0.167473	0.140572	0	1	1
Ina	10.4806	11.1836	0	1	1
Taf5	0.715886	0.759425	0	1	1
Pdcd11_j1	1.509	1.51775	0	1	1
Neur1a	5.24441	4.95089	0	1	1
Slk	7.28164	6.94422	0	1	1
Slk_j2	0.450534	0.494123	0	1	1
Slk_j4	4.07971	2.58753	0	1	1
6330577E15Rik	25.4462	26.7483	0	1	1
Gsto1	11.0881	10.5877	-0.0666264	0.639345	0.860439
Ccdc147_j4	0.24273	0.212913	-0.189089	0.784948	0.927761
Ccdc147_j6	0.000452891	0.34281	9.56403	0.716999	0.897819
Sorcs3	3.56141	3.34403	-0.090862	0.441577	0.750262
Add3	4.25171	4.04646	-0.0713844	0.690791	0.885505
Add3_j2	0.497831	0 -1.79769e+308		1.50E-07	7.67E-06
Mxi1	1.60551	1.16778	0	1	1
Mxi1	2.9497	2.75607	0	1	1
Mxi1	3.79362	2.82971	0	1	1
Dusp5	1.91231	1.14866	0	1	1
Dusp5_j3	2.75695	1.62174	0	1	1
XLOC_016971	0.120627	0.0904728	-0.414993	0.765203	1
Smc3	5.79564	5.49439	-0.0770083	0.461335	0.762597
Pdcd4	1.12885	0.981264	-0.202137	0.203943	0.548098
Shoc2_j1	0.727538	0.92477	0.346072	0.185041	0.525183
Shoc2	1.32298	1.06411	-0.314139	0.171171	0.507955
XLOC_016974	0.0673838	0.0426832	-0.658735	0.65146	1

Adra2a_j1	0.254666	0.54421	1.09556	0.0028079	0.0326714
Adra2a	0.798796	0.718691	-0.152454	0.564009	0.8231
Acs15	3.26712	3.46932	0.0866332	0.434522	0.745636
Vti1a	1.79633	1.61228	0	1	1
Tcf7l2_j2	0.104387	0 -1.79769e+308		0.0004313	1
Tcf7l2_j1	0.267126	0.107087	-1.31874	0.0322342	0.19476
Casp7	0.951166	1.17194	0.301127	0.172676	0.510176
Nhlrc2_j1	0.320122	0.121893	-1.39301	0.0014764	0.0194859
Nhlrc2	1.31399	1.46285	0.154824	0.306337	0.651661
Fam160b1	4.68391	4.36479	0	1	1
Trub1	3.53813	3.23481	-0.129305	0.356429	0.692355
AK040090_j2	1.59895	0.838691	-0.93091	0.0073105	0.0680869
Atrnl1	21.1002	18.6821	0	1	1
Atrnl1_j2	40.0745	41.9065	0	1	1
1700011F14Rik	0.545259	0.346584	-0.653736	0.0272289	0.174377
Pnliprp2_j2	0.0502637	0 -1.79769e+308		0.0604611	1
Eno4_j1	0.0894936	0.0128109	-2.80441	0.396523	1
Eno4_j2	0.116269	0.0693279	-0.745955	0.42501	1
Eno4_j3	0.288445	0.103988	-1.47188	0.169071	0.505812
XLOC_016995	1.19893	1.47295	0.29696	0.609839	0.846292
Kcnk18	2.53903	1.68312	-0.593141	4.24E-06	0.0001462
Nanos1	1.3303	1.16763	-0.188165	0.302322	0.648402
Fam45a	0.111771	0.122585	0.133241	0.82514	1
Fam45a_j2	1.90943	1.56902	-0.283279	0.112449	0.41729
Grk5	2.44409	2.33982	-0.0628959	0.597323	0.84027
Ighmbp2	1.6479	1.35033	0	1	1
Gal	28.1204	132.24	2.23347	0	0
Ppp6r3_j1	6.06052	5.88665	0	1	1
Ppp6r3_j7	0.346217	0.375799	0	1	1
Ppp6r3	3.14607	2.82743	0	1	1
Lrp5_j2	1.10696	1.37344	0	1	1
Lrp5	1.05107	0.702163	0	1	1
AK144662	0.671596	0.713342	0.0870012	0.842901	0.950302
XLOC_017008	0.199533	0.18632	0	1	1
Tcirg1_j1	3.02414	3.10779	0	1	1
Tcirg1	0.131319	0.267026	0	1	1
Ndufs8	24.151	21.8061	0	1	1
Ndufs8	10.6982	10.903	0	1	1
Aldh3b1	2.27628	2.10865	-0.110357	0.635735	0.85878
Aldh3b1_j1	1.91346	2.46256	0.363978	0.130905	0.45048
Aip	42.5817	41.423	0	1	1
Rps6kb2	6.95081	8.13648	0	1	1
Carns1_j1	4.49642	5.01317	0.156947	0.328327	0.670862
Carns1_j5	0.421722	0.094251	-2.16171	0.0011526	0.0160111
Carns1_j4	1.11206	0.55137	-1.01214	0.0008505	0.0125592
Tbc1d10c_j1	0.118432	0.00146041	0	1	1
Tbc1d10c_j3	0.0681614	0	0	1	1

Ankrd13d_j9	0.86727	0.427368	0	1	1
Ankrd13d_j8	0.574253	0.54505	0	1	1
Ankrd13d_j10	0.30709	0.239735	0	1	1
Adrbk1_j2	0.435765	0	0	1	1
Adrbk1_j1	15.3709	17.3016	0	1	1
Adrbk1	61.987	57.5453	0	1	1
Kdm2a_j2	7.80378	8.68109	0	1	1
Kdm2a_j3	4.11342	3.93201	0	1	1
Kdm2a	3.13964	2.86706	0	1	1
Rhod	0.346441	0.517327	0.578467	0.214293	0.559699
Rhod	0.342726	0.0920991	-1.8958	0.133272	0.454235
Syt12	3.09605	3.60085	0.217908	0.110379	0.413453
2010003K11Rik	0.230314	0.310367	0.430376	0.355062	0.691033
Lrfn4_j1	11.3096	12.5108	0.14562	0.217957	0.564217
Rbm4_j1	0.311813	0.337025	0	1	1
Rbm14	1.73342	1.81119	0	1	1
Ccs	11.8612	12.3313	0.0560746	0.679736	0.879568
Bbs1_j1	0.185776	0.0506854	0	1	1
Dpp3_j3	11.4584	14.2282	0	1	1
Dpp3	23.0533	26.9659	0	1	1
Peli3	10.7644	8.05872	-0.417647	0.0001076	0.0022916
Tmem151a_j2	0.524524	0	-1.79769e+308	1.91E-08	1.27E-06
Klc2_j1	0.165412	0.31043	0.908207	0.0204881	0.143254
Pacs1_j1	1.34723	0.77713	-0.793765	0.0367632	0.212054
Pacs1	6.41162	6.71848	0.0674467	0.552426	0.816549
Sf3b2_j4	0.192598	0.0874233	0	1	1
Sf3b2_j5	25.9779	27.5707	0	1	1
Cst6	13.0805	11.3139	-0.209324	0.147784	0.476408
Banf1	2.17456	1.56079	-0.478446	0.333942	0.674849
Banf1	3.36254	4.07366	0.276777	0.0288218	0.18076
Sart1	6.28297	6.51743	0.052858	0.624417	0.853355
Drap1	42.2145	45.4871	0.107718	0.288259	0.636106
Ccdc85b_j1	21.6555	21.9073	0	1	1
Snx32_j2	0.196347	0.15935	-0.301202	0.567193	0.82484
Kat5	12.5123	12.6502	0	1	1
Kat5_j3	0.100034	0	0	1	1
Sipa1	0.0767476	0.11186	0.543501	0.459332	1
Pcnx13_j9	0.282163	0.0978584	-1.52776	0.0133973	0.106204
Ehbp1l1_j3	1.8761	2.12699	0	1	1
Ehbp1l1_j2	2.0612	0.99525	0	1	1
Ehbp1l1	1.37729	1.49131	0	1	1
Sssca1	33.1427	35.5256	0	1	1
Scyl1_j6	1.02532	0.871399	0	1	1
Scyl1	3.6289	3.39468	0	1	1
AK197973	1.62774	0.558257	0	1	1
Frmd8_j1	1.49535	3.40081	1.18539	2.65E-05	0.0006966
Frmd8	9.28224	10.7279	0.208823	0.0684708	0.313423

Tigd3	0.146953	0.000273218	-9.07109	0.807333	0.936475
Tigd3	0.13951	0.217282	0.639203	0.318638	0.662019
Dpf2_j2	28.9421	28.5608	-0.0191312	0.843729	0.950584
Cdc42ep2	19.1708	22.9378	0.258815	0.0199032	0.140336
Pola2_j2	0.873479	0.89572	0	1	1
Pola2	1.31734	1.41206	0	1	1
Pola2	0.937905	0.975799	0	1	1
Capn1	36.2575	31.7237	0	1	1
Mrpl49_j1	3.14377	3.67673	0	1	1
Mrpl49	7.3292	7.56239	0	1	1
1110014N23Rik_j2	7.28121	7.88333	0	1	1
Zfpl1_j1	6.98028	8.34992	0	1	1
Zfpl1	5.42534	4.70344	0	1	1
Sac3d1	4.5034	5.18932	0.204529	0.200934	0.544315
Snx15	0.144451	0.606862	0	1	1
Arl2	13.1365	13.7931	0	1	1
Ppp2r5b_j3	17.7497	35.6095	0	1	1
Ppp2r5b	58.3812	63.5244	0	1	1
Gm14966	0.0650021	0.0204404	0	1	1
Rps6ka4	7.06626	6.54188	0	1	1
Esrra_j2	0.104095	0 -1.79769e+308	0.0077709		1
Kcnk4_j2	0.00021452	0.173547	0	1	1
Kcnk4_j5	0.0358051	0.0769183	0	1	1
Plcb3_j5	8.22595	3.83421	-1.10126	0	0
Plcb3_j6	1.31314	0 -1.79769e+308	3.55E-35	1.22E-32	
Plcb3_j13	0.496507	0.218254	-1.18581	0.0094775	0.0823079
Fkbp2_j3	16.5297	18.2402	0.142064	0.562768	0.822297
Fkbp2	22.1869	23.4477	0.0797367	0.602054	0.842577
Vegfb_j2	0.415271	0.553728	0.415127	0.530695	0.80314
Vegfb_j4	3.16427	2.48818	-0.346782	0.0958292	0.382258
Vegfb_j6	4.95899	4.87018	-0.0260719	0.846754	0.951509
Stip1	90.546	88.1492	-0.0387032	0.651098	0.866086
Flrt1_j2	1.80539	1.56835	-0.203062	0.103259	0.398343
Otub1_j1	0.483267	0.332076	-0.541307	0.166061	0.502787
Otub1	0.116057	0.0832665	-0.479029	0.372226	1
Cox8a_j1	361.222	390.077	0.110874	0.222073	0.569289
Naa40_j1	7.32207	9.45243	0.368434	0.0233268	0.156583
Mark2_j2	2.50505	2.03207	0	1	1
Mark2	0.447148	0.308833	0	1	1
Al846148_j1	1.69748	2.69748	0.668219	0.0015973	0.0208062
Al846148	5.13792	5.33903	0.0553952	0.675304	0.877609
Rtn3	393.903	346.918	0	1	1
Slc3a2	39.9627	45.4017	0	1	1
Taf6l_j1	3.19139	3.24468	0	1	1
Polr2g	9.93274	5.40585	0	1	1
Ttc9c	0.492218	0.430775	0	1	1
Gng3_j3	137.296	136.34	0	1	1

Gng3_j4	171.385	228.26	0	1	1
Al462493	20.4092	21.311	0.062375	0.6363	0.859038
Scgb1a1	0.535178	0.737225	0.462086	0.218429	0.564838
Asrgl1	10.6953	9.46536	-0.176243	0.0815186	0.347839
Stxbp3b	1.12067	0.709707	-0.659066	0.23203	0.579022
Incenp_j3	1.49219	1.21795	0	1	1
Incenp_j4	0.354831	0.328118	0	1	1
Incenp_j1	0.654618	0.737206	0	1	1
Best1_j3	0.4408	0.559826	0	1	1
Fads2	7.8118	8.19873	0	1	1
Fen1	4.31185	4.47166	0.0525032	0.734885	0.906496
Gm98_j6	0.340737	0	0	1	1
Gm98_j4	0.336335	0	0	1	1
Dagla_j2	1.22869	1.74048	0	1	1
Dagla	3.79063	3.03957	0	1	1
Sdhaf2	2.81811	2.58057	0	1	1
Tmem216_j3	0.506334	0.328033	-0.626251	0.439835	0.749306
Tmem216_j1	1.72816	0.591796	-1.54606	0.0036687	0.0404003
Dak_j2	1.93457	2.17336	0	1	1
Dak_j3	1.49116	1.48186	0	1	1
Tmem132a_j3	0.461681	0	0	1	1
Tmem132a	2.40081	2.59814	0	1	1
Tmem109	25.2613	26.5772	0.0732621	0.446749	0.75351
Ccdc86	4.14837	5.29438	0.351916	0.0141614	0.110364
AW112010	1.68745	2.54648	0.593662	0.026048	0.169217
Ms4a7	0.916503	2.66267	1.53866	3.66E-10	3.30E-08
Ms4a6d	0.599318	1.45576	1.28038	7.61E-06	0.0002444
Ms4a3_j2	4.35909	3.77324	-0.208223	0.316064	0.659956
Ms4a3_j1	0.445844	0.608158	0.447906	0.496603	0.783429
Stx3_j3	0.527146	0.48183	-0.129679	0.557075	0.819382
Dtx4_j2	1.05245	1.2226	0	1	1
Dtx4	0.962822	0.842805	0	1	1
Dtx4_j3	1.55494	1.93957	0	1	1
A330040F15Rik	0.21356	0.179631	-0.249606	0.691934	0.885946
Zfp91	10.9191	8.6428	0	1	1
Tle4_j3	0.297349	0.0816973	0	1	1
Tle4	4.648	3.67636	0	1	1
Psat1	17.2448	20.5199	0.25086	0.0129067	0.103541
Cep78	0.61007	0.65271	0.0974675	0.742405	0.909901
Cep78_j2	2.3917	2.33003	-0.0376879	0.860708	0.955865
Vps13a	1.44844	1.16434	-0.314986	0.0369318	0.212725
XLOC_017144	0.13413	0.0433691	-1.62889	0.100148	1
Pcsk5	1.7147	1.58686	-0.11178	0.485019	0.776871
Ostf1_j6	26.2308	29.1727	0	1	1
Ostf1	0.086304	0.0659151	0	1	1
Anxa1_j2	1.74215	5.76421	0	1	1
Anxa1	1.96314	6.0569	0	1	1

Aldh1a7	3.27867	2.68032	-0.290707	0.0931948	0.375655
Tmc1	0.163397	0.10175	-0.683345	0.512279	0.792044
Gda_j1	1.58715	2.08465	0	1	1
Gda	6.16971	5.71008	0	1	1
1110059E24Rik_j1	8.16151	7.84228	0	1	1
Smc5_j1	1.23081	1.20111	0	1	1
Smc5	1.11216	1.09893	0	1	1
Smc5_j2	1.05126	1.41009	0	1	1
Mamdc2	1.28986	1.90051	0.559169	0.0064047	0.061569
Fam189a2	11.9896	9.03656	0	1	1
Tjp2	0.525151	0.106523	-2.30157	5.80E-05	0.0013526
Tjp2_j3	0.329231	0.594129	0.851675	0.0070382	0.0661455
Fxn	0.679755	0.659175	-0.0443532	0.86842	0.95827
Pip5k1b_j1	0.317469	0.0353558	-3.1666	0.0255551	0.166815
Pip5k1b	1.29658	0.92178	-0.492222	0.0658596	0.306228
Cbwd1	2.29043	2.41537	0.0766238	0.723801	0.9017
Cbwd1	4.17411	3.72877	-0.162768	0.347761	0.686337
D19Bwg1357e	10.7481	11.224	0.0625041	0.550362	0.815351
Glis3_j3	0.265001	0.410164	0.630205	0.0784322	0.339575
Gm6788	85.1851	110.451	0.374728	7.97E-05	0.0017712
4430402I18Rik	0.294298	0.163137	-0.851193	0.0650906	0.303812
Ak3	4.42985	3.9436	0	1	1
Insl6	0.826674	0.667193	-0.309215	0.281779	0.630345
5033414D02Rik_j5	0.553906	0.435205	-0.347948	0.372744	0.705702
A930007I19Rik_j1	0.133379	0.166447	0.319531	0.657389	0.869442
9930021J03Rik_j3	2.82773	2.62171	0	1	1
9930021J03Rik_j9	0.370444	0.37571	0	1	1
Ranbp6	2.76921	2.2835	0	1	1
Gldc_j2	0.399704	0.440089	0.138862	0.80213	0.934265
Gldc	0.30385	0.453588	0.578023	0.0961779	0.382865
Prkg1_j2	0.317904	0.29212	-0.12203	0.86144	0.956177
Prkg1_j5	3.19003	2.40225	-0.409183	0.128488	0.446769
Asah2_j2	1.50314	0.693947	-1.11508	1.28E-05	0.0003822
Asah2	1.95552	0.7427	-1.3967	6.00E-09	4.39E-07
Asah2	0.124818	0.044137	-1.49976	0.0990285	1
Sgms1_j3	0.0564772	0.0234766	0	1	1
Sgms1	2.2725	1.73569	0	1	1
Atad1	8.15042	6.61992	-0.300062	0.0188314	0.135304
Atad1_j1	29.9288	29.3795	-0.0267256	0.779828	0.925661
Rnls_j1	0.294383	0.24703	-0.253008	0.659459	0.870731
Rnls	0.283316	0.311848	0.138428	0.779213	0.925601
Lipo2_j2	0.217429	0.277349	0.351157	0.562846	0.822297
Acta2	1.1782	2.32557	0.980997	6.13E-06	0.0002021
Lipa	22.196	18.1243	0	1	1
Slc16a12_j2	3.29302	2.39638	-0.458554	0.0002998	0.0053415
Pank1_j1	0.282446	0.136486	-1.04922	0.0262224	0.169964
Pank1	0.610085	0.412813	-0.563522	0.0226458	0.153585

Htr7_j1	1.26036	0.781641	0	1	1
Htr7_j5	0.471011	0.316707	0	1	1
Htr7_j3	0.677463	0.316305	0	1	1
Htr7_j7	1.56683	0.761059	0	1	1
Ppp1r3c	0.598065	0.245508	-1.28453	0.0030807	0.0351734
Cpeb3	0.734116	0.9603	0	1	1
Ide_j6	1.47568	0.816195	0	1	1
Myof_j1	0.0891534	0.193498	1.11796	0.150886	0.481595
5730455O13Rik_j5	2.71701	3.27169	0	1	1
5730455O13Rik	2.11292	2.20218	0	1	1
Noc3l	1.17732	0.793652	-0.568933	0.0359224	0.20911
Pdlim1	3.99161	4.06014	0.0245573	0.940183	0.981805
Pdlim1_j3	3.16833	5.16395	0.704751	0.0507601	0.260916
Sorbs1_j12	0.190277	0.198038	0	1	1
Sorbs1_j15	0.412553	0	0	1	1
Aldh18a1_j1	0.478998	0.522785	0	1	1
Aldh18a1	4.84097	5.08727	0	1	1
Tctn3_j1	0.757566	0.454152	-0.738196	0.0156118	0.118147
Tctn3	1.15037	1.261	0.132477	0.468769	0.767193
Tm9sf3	29.3795	21.671	0	1	1
Slit1_j4	8.76226	11.1271	0	1	1
Slit1_j5	0.380368	0.494364	0	1	1
Slit1_j6	13.3547	12.337	0	1	1
Slit1_j7	0.406457	1.26316	0	1	1
Arhgap19_j2	0.999468	1.43353	0	1	1
Arhgap19	0.708323	0.284705	0	1	1
Frat2	2.11578	2.19328	0.051901	0.77272	0.922935
Rrp12_j1	5.98522	6.3371	0.0824183	0.410342	0.730298
Exosc1	7.24405	6.0357	0	1	1
Mms19_j1	0.400433	0.495809	0	1	1
Morn4	27.1399	29.5528	0.122883	0.193363	0.535696
Avpi1_j1	3.91376	3.91682	0	1	1
Avpi1	4.26408	6.33087	0	1	1
Sfrp5_j2	0.838787	0.468027	-0.841713	0.158102	0.49232
Sfrp5	37.5429	32.9613	-0.187766	0.047572	0.250447
Crtac1	12.1565	15.346	0	1	1
Loxl4	0.649551	0.340806	-0.930491	0.0021889	0.0267861
Loxl4	0	0.0893823	1.79769e+308	0.0010344	1
Pyroxd2_j7	0.0558382	0.143671	1.36345	0.0717071	1
Pyroxd2_j9	0.144835	0.0806507	-0.844655	0.466694	0.766302
Hps1_j5	0.228275	0.0672306	-1.76358	0.0679061	0.311963
Hps1_j6	0.150597	0.0600408	-1.32668	0.18976	0.531612
Hps1_j2	0.643883	0.371364	-0.793964	0.0093866	0.0817664
Got1	103.871	88.8931	-0.224655	0.0088808	0.0783971
Slc25a28	5.12982	5.01387	-0.0329852	0.859321	0.955525
Cox15	5.47402	5.08956	-0.105062	0.301363	0.647692
Dnmbp	0.358585	0.400978	0.161209	0.675558	0.87773

Dnmbp_j1	0.80248	0.568953	-0.496155	0.043395	0.236471
Cpn1	1.33085	1.13282	-0.232423	0.294489	0.641226
Erlin1_j2	0.70071	8.57E-05	0	1	1
Erlin1	4.88691	4.88876	0	1	1
Chuk	4.91002	4.82542	-0.025076	0.855904	0.95442
Cwf19l1	0.392145	0.385749	0	1	1
Bloc1s2_j3	1.11876	2.46446	0	1	1
XLOC_017240	0.0756727	0.089592	0	1	1
Scd1_j5	1.1348	0.00420364	0	1	1
Scd1	124.922	102.247	0	1	1
Scd1_j3	0.882255	1.21755	0	1	1
Sec31b_j5	0.221014	0 -1.79769e+308		1.51E-07	7.71E-06
Sec31b_j6	0.111913	0.0305479	-1.87323	0.0934997	1
Sec31b_j10	0.105165	0.101112	-0.0566955	0.947228	1
Ndufb8_j4	53.6108	71.2064	0	1	1
Ndufb8	0.253922	0.188621	0	1	1
Mrpl43	4.32351	4.34976	0.00873564	0.946264	0.983984
Pdzd7_j1	0.349715	0.392971	0.168246	0.645883	0.863424
Pdzd7_j4	0.14511	0.0187286	-2.95383	0.320365	0.66367
Poll_j1	5.10002	4.4974	-0.181411	0.222593	0.569566
Fbxw4	0.560871	0.422161	-0.409875	0.145957	0.474022
Npm3_j1	0.0980045	0.0518855	0	1	1
Mgea5_j5	0.514575	0.410641	0	1	1
Kcnp2	37.4009	26.9456	0	1	1
9130011E15Rik	1.39857	1.66112	0	1	1
Ldb1	5.39671	6.43836	0	1	1
Psd	2.38749	2.44062	0.0317505	0.886041	0.963781
Psd_j4	0.543866	0.381253	-0.512502	0.109883	0.412487
Cuedc2_j1	20.3495	19.0272	-0.0969318	0.537616	0.807704
Actr1a	7.42651	7.71019	0	1	1
Actr1a_j3	56.3582	53.3422	0	1	1
Arl3	10.7119	9.46561	-0.178449	0.08767	0.362439
Nt5c2	0.0473532	0.114713	0	1	1
Pcgf6_j4	1.95528	1.72527	-0.180558	0.36023	0.695222
Pcgf6_j5	0.638992	0.531224	-0.266477	0.492873	0.781353
Usmg5_j1	0.941609	0.556483	0	1	1
Calhm2	1.11941	1.34742	0.267462	0.226649	0.573724
Sh3pxd2a_j4	2.7923	2.97261	0	1	1
Sh3pxd2a_j2	4.54067	4.23827	0	1	1
Obfc1_j3	0.0703796	0 -1.79769e+308		0.0093783	1
Itrip	0.359585	0.463769	0.367072	0.263446	0.612269
Rpl13a-ps1	31.7075	34.2542	0.111456	0.374994	0.707307
Sorcs1_j4	2.31994	1.82082	0	1	1
Xpnpep1_j3	0.789207	0.655041	0	1	1
Xpnpep1	2.35779	2.88723	0	1	1
Smndc1_j3	0.382853	0.155213	-1.30254	0.115016	0.421858
5830416P10Rik_j1	0.115145	0.0711058	-0.695417	0.456516	1

XLOC_017276	0.185029	0.147619	-0.325874	0.647163	0.863989
Gpam_j7	0.617103	0.583689	0	1	1
Gpam_j2	5.11669	3.39832	0	1	1
Gpam	2.80616	2.41207	0	1	1
Nrap_j1	0.118979	0.137001	0.203481	0.855199	1
Dclre1a_j3	0.170112	0.242053	0.508837	0.256568	0.605481
A630007B06Rik_j4	2.78986	2.19185	0	1	1
A630007B06Rik_j1	0.960819	1.25995	0	1	1
A630007B06Rik_j2	3.69059	3.6003	0	1	1
Afap1l2_j1	1.44673	0.332741	0	1	1
Afap1l2	2.02846	2.16972	0	1	1
XLOC_017287	0.307746	0.228334	-0.430595	0.127579	0.445171
Ablim1_j6	1.31619	1.03049	0	1	1
Ablim1_j2	11.7944	11.5003	0	1	1
Ablim1_j7	5.39353	2.54678	0	1	1
AK045643_j2	2.12921	1.69456	0	1	1
AK045643	1.38021	1.25609	0	1	1
AK045643_j5	0.46423	0.531858	0	1	1
GDNFR-alpha_j5	0.529621	0.114563	0	1	1
GDNFR-alpha_j6	1.99633	5.97858	0	1	1
Hspa12a_j2	23.55	21.1757	0	1	1
Hspa12a	22.0806	16.0392	0	1	1
4930506M07Rik_j3	0.52022	0.475078	0	1	1
4930506M07Rik_j5	1.41966	1.14567	0	1	1
4930506M07Rik_j4	0.0650388	0.0195772	0	1	1
Pdzd8	1.71177	1.4948	0	1	1
Rab11fip2_j1	3.29837	2.14789	0	1	1
D19Ert737e	1.89806	1.54437	-0.297501	0.0818571	0.348581
2700078E11Rik	3.47246	3.63187	0	1	1
2700078E11Rik	3.76023	3.3155	0	1	1
Eif3a_j1	0.0529478	0	0	1	1
Eif3a	14.4096	13.5696	0	1	1
Sfxn4	0.315458	0.322961	0.0339117	0.897711	0.967451
Prdx3	60.01	67.6607	0.173115	0.0563032	0.277692
AK039536_j1	0.977643	1.09385	0.162038	0.483851	0.776148
AK039536_j5	0.25154	0.30504	0.27821	0.50689	0.789319
Csf2ra_j11	4.03718	4.1205	0.0294691	0.922779	0.975933
Csf2ra_j18	0.558356	0.15268	-1.87068	0.0100857	0.0860559
Csf2ra_j17	0.121764	0	-1.79769e+308	0.0063358	1
Chka_j4	2.39528	1.99185	0	1	1
Aldh3b2_j1	0.221751	0.332888	0.586099	0.385396	0.714041
Doc2g_j1	0.274499	0.0954022	-1.5247	0.0408637	0.227078
Pitpnm1	0.30454	0.371658	0	1	1
Coro1b_j4	26.041	28.8759	0	1	1
Coro1b_j5	2.95561	3.15114	0	1	1
Ptprcap	0.732321	0.793244	0	1	1
Ppp1ca_j2	51.0349	64.2113	0	1	1

Ppp1ca_j1	44.2047	36.9127	0	1	1
Pcx	8.04967	7.72339	-0.0596951	0.532383	0.804231
Mrpl11_j1	17.6269	18.2225	0.0479374	0.731396	0.904975
B3gnt1_j2	0.459201	0.662554	0.528912	0.371247	0.70416
Rin1_j4	0.208175	0.857853	2.04294	1.59E-09	1.29E-07
Yif1a_j1	10.3752	10.1595	-0.0303097	0.872588	0.959686
Yif1a	3.86556	3.9095	0.0163057	0.886149	0.963821
Fibp_j4	0.250513	0.352935	0	1	1
Efemp2	3.5762	4.48264	0	1	1
Rnaseh2c_j4	0.0811389	0.159413	0	1	1
Map3k11_j2	0.309166	0 -1.79769e+308		1.33E-09	1.10E-07
Ltbp3_j9	2.72854	2.32791	0	1	1
Syvn1_j1	1.52646	1.70046	0	1	1
Atg2a_j4	0.021153	0.201559	3.25227	0.0002279	0.0042774
Atg2a	4.58813	4.47351	-0.0364961	0.760267	0.917459
Atg2a_j7	8.39885	10.2865	0.292491	0.0216873	0.148971
Sf1_j1	3.34172	3.76223	0	1	1
Rasgrp2_j1	0.139558	0.112262	-0.313996	0.684632	0.882135
Rasgrp2_j5	0.492246	0.401535	-0.293853	0.594277	0.83843
Nrxn2_j9	15.4863	16.5635	0.0970086	0.454997	0.758777
Trpt1_j2	3.6603	2.98601	-0.293746	0.404414	0.726779
Trpt1_j3	0.110626	0 -1.79769e+308		0.0030849	1
Trpt1_j4	0.243302	0.120914	-1.00876	0.184413	0.524929
Macro1_j1	4.38717	4.05381	-0.11401	0.37799	0.7096
Atl3	6.13946	4.96473	0	1	1
Atl3_j2	0.276626	0.829472	0	1	1
XLOC_016766	8.11395	11.8889	0.551135	0.34416	0.683976
XLOC_016767	1.18206	1.42511	0.26977	0.76516	0.919657
Chrm1	0.0375166	0.120623	1.68491	0.0999846	1
Chrm1	0.166447	0.110466	-0.591461	0.391269	0.717886
Wdr74_j3	0.245638	0.664265	0	1	1
Stx5a_j1	3.05858	2.93791	0	1	1
Hnrnpul2_j2	16.7134	19.4585	0	1	1
Bscl2	19.4352	18.464	0	1	1
Lrrn4cl	0.383619	0.435225	0.182086	0.58545	0.833935
XLOC_016777	0.134684	0.20851	0.630536	0.267023	0.616066
Ganab_j3	1.13457	0.283802	0	1	1
Ganab_j9	0.0839888	0.0477675	0	1	1
Ganab_j11	7.90579	11.8982	0	1	1
B3gat3	17.5875	16.4737	0	1	1
Eef1g_j5	0.552474	0.390262	-0.501464	0.318053	0.661506
Eef1g_j11	30.5544	39.1227	0.356628	0.0018626	0.0236233
Fth1_j2	169.726	122.139	0	1	1
Fth1_j3	0	736.412	0	1	1
Fth1_j4	686.7	0	0	1	1
Rab3il1	0.479207	0.57678	0.267371	0.307067	0.652144
Rab3il1	0.554021	1.49178	1.42903	3.52E-05	0.0008844

Fads3	6.64678	10.6512	0	1	1
Cpsf7_j1	0.1016	0.152497	0	1	1
Ddb1	65.5319	70.4984	0.105392	0.219467	0.566015
Vps37c_j2	1.62302	2.55727	0.655922	0.0997814	0.391044
Slc15a3_j2	0.862042	1.67773	0	1	1
Prpf19	29.6763	27.0511	0	1	1
Ms4a6c	0.110926	0.139089	0.326408	0.77388	1
Ms4a6c_j1	0.269605	0.792638	1.55582	0.0061669	0.0598377
Ms4a6b_j1	0.0638785	0.0260381	-1.29471	0.469662	1
Pat1_j2	0.763907	0.906052	0.246197	0.383305	0.712965
Lpxn	0.279341	0.584608	1.06544	0.0122955	0.099941
XLOC_016816	0.240493	0.247167	0.0394899	0.96232	0.989496
XLOC_016820	0.300055	0.371243	0.307135	0.669363	0.874813
XLOC_016820	0.926876	0.690602	-0.424522	0.284598	0.633336
Prune2_j7	273.196	231.008	-0.241997	0.0076924	0.070685
Rfk_j1	6.76741	14.2916	0	1	1
BC016495	2.93364	3.2045	0	1	1
Trpm6_j5	0.0909792	0.202025	1.15093	0.397745	0.722115
Aldh1a1_j2	1.43538	0.551096	-1.38106	0.0001028	0.0022077
XLOC_016834	0.16282	0.12566	0	1	1
Zfand5_j4	0.452696	1.1639	0	1	1
Fam108b	1.16039	1.23216	0	1	1
Tmem2	0.430248	0.518511	0	1	1
Ptar1_j4	0.186031	0.232465	0.321469	0.749552	0.913026
Ptar1_j2	0.0781321	0.0837376	0.0999606	0.843718	1
Apba1_j1	20.0217	15.8635	0	1	1
Apba1_j5	0.0631671	0	0	1	1
Dock8_j2	0.0508742	0.30636	0	1	1
Kank1	0.668761	0.421467	0	1	1
Smarca2_j6	0.270241	0.0769308	-1.81261	0.0289995	0.181495
Smarca2_j9	0.276892	0.466228	0.751713	0.380019	0.711076
Vldlr	0.906781	1.34198	0	1	1
Vldlr	1.41257	1.29294	0	1	1
Slc1a1_j2	0.366622	0.453893	0.30806	0.502169	0.786191
Ppapdc2	5.65043	5.02336	-0.169706	0.219883	0.566614
C030046E11Rik_j1	1.03364	0.744328	-0.473726	1	1
Uhrf2_j3	8.03878	9.30907	0.21166	0.0746565	0.329583
Minpp1	4.67282	4.54082	-0.0413402	0.771243	0.922307
Minpp1_j2	13.2528	14.9829	0.177017	0.171922	0.509035
Lipk_j1	0	0.162953	1.79769e+308	0.0161282	0.121077
Stambpl1_j3	0.653474	3.12262	0	1	1
Ifit2_j1	3.43407	4.88527	0	1	1
Ifit3	0.0578427	2.75905	0	1	1
Ifit1_j1	3.95242	5.30917	0	1	1
Pcgf5	0.0407278	0.274628	0	1	1
Hectd2_j6	0.453011	0.492965	0.121939	0.769763	0.921491
Tnks2_j3	5.57142	5.69742	0	1	1

Btaf1_j2	0.0403958	0.135801	0	1	1
Kif11_j5	0.121995	0.0966948	-0.335309	0.64513	1
Tbc1d12	0.635481	0.825299	0.377068	0.201056	0.544463
XLOC_016900	0.0988317	0.00806595	-3.61506	0.447629	1
Ubttd1_j5	0.994919	1.37071	0	1	1
Scd2_j1	48.128	59.7565	0	1	1
Scd2_j4	122.269	141.866	0	1	1
Pax2_j2	0.0446739	0.143478	1.68332	0.175702	1
Lzts2	4.48527	5.47099	0.286607	0.028751	0.180496
Sfxn3_j1	0.217252	0.442101	0	1	1
Kazald1_j3	0.829465	1.3424	0.694564	0.120391	0.432061
XLOC_016934	0.127487	0.112701	-0.177849	0.819829	1
XLOC_016936	0	0.0704912	1.79769e+308	0.093929	1
Btrc	4.37578	4.38116	0	1	1
Btrc_j1	4.30037	3.24524	0	1	1
Nolc1	1.8859	3.44375	0	1	1
Nfkb2	1.13567	1.6246	0.516543	0.0014354	0.0190692
Fbxl15	1.74416	1.68222	-0.0521654	0.694568	0.887364
Sfxn2_j6	0.282307	0.350153	0.310719	0.370346	0.703609
As3mt_j1	0	0.425936	1.79769e+308	0.003228	0.0365464
Cnm2_j2	2.276	2.41561	0	1	1
Pdcd11_j2	0.0712398	0.24542	0	1	1
Neurl1a	1.12607	1.8051	0	1	1
Slk_j7	4.85958	5.91188	0	1	1
6330577E15Rik_j2	21.7818	27.4108	0	1	1
Gsto2	0.177094	0.216306	0.288561	0.736465	0.907205
Add3	1.8808	2.47859	0.398167	0.0898426	0.367861
Mxi1_j2	2.23851	1.95133	0	1	1
Dusp5_j2	6.32763	4.59303	0	1	1
XLOC_016971	0.165613	0.0549182	-1.59246	0.299527	0.646333
Rbm20_j2	8.20E-06	0.234131	14.8017	0.985235	0.995689
Pdcd4_j1	16.0686	12.79	-0.329226	0.0074445	0.069006
Vti1a_j1	6.18763	5.28442	0	1	1
Vti1a	5.73253	5.37445	0	1	1
Tcf7l2_j14	0	0.107843	1.79769e+308	0.0206526	1
Tcf7l2_j15	0.479855	0.538191	0.16552	0.707433	0.89332
XLOC_016979	0.0669318	0.0680301	0.0234827	0.98364	1
mKIAA1600	2.98713	1.87491	0	1	1
AK040090_j3	0.306573	0.300145	-0.0305747	0.961694	0.989186
Atrnl1_j7	0	0.231021	0	1	1
1700011F14Rik_j2	1.59602	2.10086	0.396496	0.121568	0.434176
1700011F14Rik_j3	1.12626	1.82718	0.698073	0.0066892	0.0635533
Pnlip_j1	1.26824	1.67092	0.397816	0.101225	0.394004
XLOC_017002	39.287	44.8144	0.189914	0.249943	0.597443
Ighmbp2_j1	1.0134	0.927085	0	1	1
Ppp6r3_j5	1.23311	0.902874	0	1	1
Ppp6r3_j6	0.194635	0.336512	0	1	1

Ndufs8_j2	4.74217	7.02692	0	1	1
Aldh3b1_j3	0.911853	0.795768	-0.196455	0.678285	0.879015
Ndufv1	96.7247	96.4683	-0.00382931	0.96493	0.990054
Ndufv1_j2	0.945201	2.54298	1.42782	9.65E-05	0.0020879
Gstp1	30.254	37.7172	0.3181	0.0050352	0.0509945
Rps6kb2_j2	0.206693	0.148866	0	1	1
Carns1_j2	0.49846	0.470854	-0.0821976	0.8425	0.95025
Tbc1d10c_j4	0.166403	0.0920795	0	1	1
Ankrd13d_j3	0.0874387	0.10872	0	1	1
Ankrd13d_j2	0.077323	0.0678742	0	1	1
Lrfn4	1.87039	2.27901	0.285066	0.162843	0.498174
Rce1_j1	1.54827	1.90665	0.300381	0.195322	0.5377
Bbs1	2.08604	1.32373	0	1	1
Dpp3_j5	0	0.27266	0	1	1
Peli3_j1	1.13329	1.01442	-0.159865	0.553861	0.817269
Tmem151a	9.4186	8.80159	-0.0977486	0.389516	0.716664
Cnih2	2.61038	2.64877	0.0210583	0.921231	0.975363
Rab1b_j1	70.7133	78.208	0.145334	0.102758	0.397119
Klc2_j4	96.7117	90.2665	-0.0994998	0.251324	0.599189
Sf3b2_j2	30.1717	33.7269	0	1	1
Sf3b2	0.0450649	0.10142	0	1	1
Banf1_j1	15.9823	14.3566	-0.154765	0.361308	0.695952
Mus81	0.223341	0.229461	0	1	1
Kat5_j1	0.592447	0.5066	0	1	1
Sipa1_j4	0.229012	0.187582	-0.287905	0.52426	0.799783
Sipa1	0.0925967	0	-1.79769e+308	0.0009889	1
Pcnx13_j6	1.83215	2.21464	0.273537	0.296801	0.643452
Pcnx13_j8	1.4187	1.2915	-0.135524	0.387906	0.715434
Ehbp1l1_j4	1.46494	1.72883	0	1	1
Sssca1_j1	22.5587	27.2347	0	1	1
Scyl1_j1	12.5004	11.832	0	1	1
Malat1	0.361309	0.584758	0	1	1
AK197973_j1	15.5477	18.5011	0	1	1
AK197973_j2	12.4121	14.7979	0	1	1
Dpf2_j1	3.80503	3.79559	-0.00358396	0.982641	0.9947
Pola2_j4	0.461903	0.511173	0	1	1
1110014N23Rik_j5	10.0217	8.85463	0	1	1
Sac3d1_j1	12.5335	14.951	0.254452	0.145227	0.473044
Snx15_j2	5.07326	8.86963	0	1	1
Snx15_j1	12.8547	13.0285	0	1	1
Arl2_j1	25.2639	31.1918	0	1	1
Ppp2r5b_j2	67.5503	78.2478	0	1	1
Esrra_j1	4.68102	3.13254	-0.579489	0.000167	0.0033049
Plcb3_j1	28.8008	27.6573	-0.0584484	0.539389	0.808383
Plcb3_j14	2.12314	2.2078	0.0564113	0.756872	0.91616
Fkbp2_j1	26.8865	26.0286	-0.0467853	0.766844	0.920508
Vegfb_j7	11.3816	11.8602	0.0594238	0.796905	0.932552

Flrt1_j1	0.220235	0	-1.79769e+308	9.96E-08	5.35E-06
Cox8a	0.352524	0.910463	1.36888	0.002028	0.0252558
Naa40_j3	0.624579	0.177437	-1.81558	0.0024426	0.0292953
Naa40_j4	0.216505	0	-1.79769e+308	7.15E-06	0.0002315
Mark2_j1	0.384124	0.484741	0	1	1
Rtn3_j1	0	35.759	0	1	1
Slc3a2_j1	12.8253	25.6583	0	1	1
Gng3	21.0193	22.4149	0	1	1
Incenp	0	0.144182	0	1	1
Best1_j1	1.39505	1.29712	0	1	1
Fads2_j1	56.3501	60.8659	0	1	1
Sdhaf2_j1	18.3407	17.4273	0	1	1
Tmem216	0.335631	0.270083	-0.313474	0.710275	0.894477
Tmem138_j1	2.54786	2.729	0.0990856	0.662103	0.871836
Tmem138	1.01627	1.2795	0.332302	0.309497	0.654153
Cd6_j1	0.0956709	0.087016	-0.1368	0.876466	1
Tmem132a_j2	2.08221	2.22434	0	1	1
Ms4a7_j1	0.411817	0.696471	0.758061	0.299538	0.646333
Zfp91_j1	1.22226	1.59861	0	1	1
Tle4_j4	1.14395	1.28914	0	1	1
Psat1	2.58397	3.52984	0.45001	0.0285957	0.179892
Cep78_j1	1.80685	1.818	0.00887832	0.964457	0.989999
Vps13a_j4	0.0849654	0	-1.79769e+308	0.0626404	1
Vps13a_j5	2.79164	2.60179	-0.101606	0.48509	0.776871
Vps13a_j7	0	0.0835859	1.79769e+308	0.145031	1
XLOC_017144	0.0364581	0.0621256	0.768951	0.502146	1
Pcsk5_j1	0.0275583	0.141739	2.36268	0.0196544	1
Pcsk5_j2	0.277822	0.333217	0.262302	0.477519	0.77269
Ostf1_j7	69.3157	75.5077	0	1	1
1110059E24Rik_j2	2.04596	2.09578	0	1	1
1110059E24Rik	2.37315	2.53268	0	1	1
Smc5_j4	0.82546	0.993633	0	1	1
Mamdc2_j3	0.540289	0.930238	0.783868	0.107529	0.407699
Fam189a2_j1	1.89874	2.07973	0	1	1
Fam189a2_j3	0	1.82112	0	1	1
Tjp2_j5	0	0.520996	1.79769e+308	7.71E-08	4.31E-06
Tjp2_j7	0.534444	0.211205	-1.3394	0.0037208	0.0407528
Fxn_j1	0.0764082	0.104818	0.456089	0.601583	1
Pip5k1b_j2	0.898333	1.23932	0.46423	0.392621	0.718796
Rfx3_j2	0.0740164	0.0632176	-0.227519	0.906801	1
4430402I18Rik_j4	0.259915	0.204323	-0.347192	0.432491	0.744252
5033414D02Rik_j3	0	0.0783618	1.79769e+308	0.0669447	1
Ermp1	18.0749	12.7998	-0.497865	3.19E-07	1.50E-05
9930021J03Rik_j4	0.417966	0.630608	0	1	1
9930021J03Rik_j7	0.565906	0.371675	0	1	1
Prkg1_j3	0.357096	0.41503	0.216903	0.782912	0.926793
Prkg1_j4	0.843525	0	-1.79769e+308	4.30E-08	2.57E-06

Prkg1_j6	0.31395	0.125999	-1.31713	0.223946	0.571105
Sgms1	2.93862	3.54267	0	1	1
Gm14446	0.871142	0.793581	0	1	1
Htr7_j6	1.40416	1.02797	0	1	1
Htr7	1.82309	0.834404	0	1	1
Cpeb3_j4	0.501093	0.000499715	0	1	1
Ide_j1	0.366496	0.581093	0	1	1
Ide	1.91847	1.92748	0	1	1
Rbp4	0.356228	0.309434	-0.203169	0.735665	0.906939
5730455O13Rik_j3	2.25684	1.92347	0	1	1
Noc3l_j3	0.745253	0.783054	0.0713798	0.811516	0.938071
Pdlim1_j1	8.52491	11.0217	0.370588	0.053981	0.270788
Pdlim1_j2	0.099952	0.137272	0.457735	0.753539	1
Sorbs1_j8	24.5625	28.6884	0	1	1
Aldh18a1_j2	0.0755152	1.17939	0	1	1
Blnk_j1	0.276537	0.542309	0.971643	0.115164	0.422095
Pik3ap1_j4	0.103997	0.142079	0.450158	0.551014	1
Slit1_j1	0	0.255193	0	1	1
Slit1_j2	0.35669	0.813817	0	1	1
Arhgap19_j3	0.407478	0.385604	0	1	1
Mms19_j2	0.960821	1.08325	0	1	1
Loxl4_j1	0.208349	0.129749	-0.683277	0.18122	0.521107
Hps1	0.773232	1.60701	1.0554	6.14E-05	0.0014191
Hps1_j4	0.309357	0.193252	-0.678793	0.242343	0.589797
Hps1_j3	0.00783646	0.372248	5.56992	0.0070115	0.0659455
Dnmbp_j7	1.19213	1.44973	0.282238	0.199153	0.542214
Erlin1	0.618021	2.04018	0	1	1
Chuk_j2	1.81501	1.54477	-0.232591	0.483706	0.776112
Cwf19l1_j1	1.00356	1.08504	0	1	1
Bloc1s2_j1	0.674598	0.803367	0	1	1
Scd1_j2	0.38	0.587914	0	1	1
Sec31b_j4	0.132283	0.1173	-0.173427	0.793018	1
Ndufb8_j5	50.6297	25.7368	0	1	1
Fbxw4_j2	1.15961	1.19783	0.0467826	0.811473	0.938053
Npm3_j2	0.401027	0.255176	0	1	1
Mgea5	13.0655	14.7804	0	1	1
Mgea5	18.1403	15.8098	0	1	1
Kcnp2_j1	5.42829	8.70732	0	1	1
Ldb1	5.00583	4.88019	0	1	1
Ldb1_j8	3.33391	4.34766	0	1	1
Psd_j3	0.0291295	0.0674679	1.21172	0.286128	1
Cuedc2	57.2024	63.3253	0.146706	0.140781	0.466737
Nt5c2	2.80269	2.83426	0	1	1
Usmg5	1.53483	2.14141	0	1	1
Sh3pxd2a_j1	0.95488	0.882364	0	1	1
Sorcs1_j3	0	0.0737853	0	1	1
Sorcs1_j2	0.176279	0.111683	0	1	1

Xpnpep1_j2	1.85691	3.02362	0	1	1
Smndc1	9.03977	8.71795	-0.0522966	0.712172	0.895619
Smndc1	2.54152	3.23491	0.348031	0.111405	0.415473
XLOC_017274	0.358455	0.380352	0.0855422	0.913674	0.972914
XLOC_017274	0.0669214	0	-1.79769e+308	0.178611	1
Bbip1	7.08745	6.63282	-0.0956453	0.381175	0.711771
Gpam_j5	0.177569	0.0599869	0	1	1
Gucy2g_j1	0	0.0860059	1.79769e+308	0.0836485	1
Zdhhc6	2.08558	2.08384	-0.00119935	0.992853	0.997927
Dclre1a_j1	1.08193	1.13277	0.066237	0.891752	0.965687
Dclre1a_j2	0.115669	0.0418312	-1.46735	0.153152	1
Afap1l2_j2	0.763443	0.530746	0	1	1
Ablim1_j1	0.781816	0.455794	0	1	1
AK045643_j1	1.26124	0.924123	0	1	1
Gfra1	23.458	40.2966	0	1	1
4930506M07Rik_j6	4.13775	4.24356	0	1	1
Pdzd8_j2	5.90933	5.7656	0	1	1
Rab11fip2_j3	0	0.509646	0	1	1
2700078E11Rik_j1	0.735329	0.638774	0	1	1
Sfxn4_j1	5.15951	4.20468	-0.295238	0.0275327	0.175607
Csf2ra_j5	0.000933292	0.248065	8.05417	0.217107	0.563245
Csf2ra_j4	0.432618	0	-1.79769e+308	2.44E-10	2.28E-08
Csf2ra_j6	0.695676	0.75784	0.123478	0.698298	0.888784
Cpt1a_j2	0.3257	0.291011	0	1	1
Unc93b1	3.1059	4.87058	0.649079	9.74E-05	0.0021058
Acy3_j3	0.283918	0	-1.79769e+308	0.0036244	0.0400224
Nudt8_j1	1.42558	1.76675	0.309545	0.573925	0.827829
Pitpm1_j3	8.73898	8.72411	0	1	1
Coro1b_j3	7.33787	8.11725	0	1	1
Ppp1ca_j4	17.851	25.0706	0	1	1
Clcf1_j1	0.107056	0.0126812	-3.0776	0.151913	1
Spnb3_j5	0.130056	0.0149382	-3.12205	0.0080245	1
Rbm4b	2.01731	2.12258	0.0733883	0.758047	0.916747
Ctsf_j1	0.132034	1.2953	3.2943	0.0002925	0.0052351
Mrpl11_j2	9.09562	6.01223	-0.597271	0.0589426	0.285423
Rin1_j5	0.233704	0.0588764	-1.98892	0.0174691	0.128162
Fibp_j3	2.21835	2.39414	0	1	1
Efemp2_j1	3.22339	3.47631	0	1	1
Cfl1	2.2815	2.40381	0.0753418	0.542024	0.8099
XLOC_016733	0.0961663	0.0758161	-0.343028	0.713823	1
XLOC_016733	0.132505	0.0513301	-1.36817	0.237079	1
Rnaseh2c_j2	0.182817	0.203452	0	1	1
Rela_j3	0.0700631	0.0793605	0.179767	0.875792	1
Map3k11	5.20449	5.74566	0.142716	0.270384	0.61953
Kcnk7	0.137466	0.0692241	-0.989728	0.384549	0.713264
Ltbp3_j5	0.240599	0.272001	0	1	1
Ltbp3_j7	0.367999	0.330383	0	1	1

AK009639	3.98694	4.11413	0.0453065	0.815848	0.94009
Syv1	13.4614	15.5307	0	1	1
Naaladl1_j1	0.368509	0.305781	-0.269199	0.589043	0.835983
Men1	0.0722822	0.048812	-0.566405	0.721495	1
Pygm	0.235611	0.217149	-0.117723	0.801639	0.933942
Nrxn2_j4	4.6609	3.33591	-0.48253	0.0019852	0.0248239
Nrxn2_j8	1.35154	0.251928	-2.42352	8.66E-05	0.0018968
Rcor2	0.26458	0.268785	0	1	1
Atl3_j1	20.1821	18.6145	0	1	1
XLOC_016767	0.278582	0 -1.79769e+308		0.0870715	0.360822
Snhg1	7.07374	9.99379	0.498559	0.0064572	0.0619105
Wdr74_j1	6.89829	7.43088	0	1	1
Nxf1_j1	6.2879	7.25843	0	1	1
Nxf1_j7	0.49078	0.366824	0	1	1
Hnrnpul2_j1	3.07008	2.88325	0	1	1
Ganab_j2	4.79746	5.46258	0	1	1
Ganab_j8	0.138588	0.158186	0	1	1
Eml3_j2	4.88289	5.6848	0	1	1
Eef1g_j1	0.115415	0.106984	-0.109441	0.797988	1
Eef1g_j9	1.06016	0.515354	-1.04064	0.0907585	0.370244
XLOC_016781	0.0558649	0.0533368	-0.0668107	0.94373	1
Fth1_j1	0.394316	0.105614	0	1	1
Rab3il1_j5	0.0937411	0 -1.79769e+308		0.0130303	1
Syt7_j5	2.56437	3.31962	0	1	1
Cpsf7_j3	4.92184	5.14601	0	1	1
Cpsf7_j2	0.548866	1.34139	0	1	1
Prpf19_j2	0.0888364	0.057523	0	1	1
Osbp_j2	0.550356	0.292945	0	1	1
Glyat_j1	0.40399	0.546574	0.436097	0.227647	0.574755
Lpxn_j4	0.0949413	0 -1.79769e+308		0.0290028	1
XLOC_016818	0.104626	0.0026931	-5.27984	0.749899	1
Gnaq_j5	5.28039	0.657866	0	1	1
Prune2_j1	0.0765723	0.0188233	-2.0243	0.0227854	1
Prune2_j5	15.2896	8.92978	-0.775859	8.88E-16	1.98E-13
Prune2_j10	3.65711	1.73247	-1.07788	0.0009197	0.0133701
BC016495_j1	0.155364	0	0	1	1
Aldh1a1_j5	0.992781	0.839831	-0.241377	0.446279	0.753343
Fam108b_j1	23.604	23.2107	0	1	1
Trpm3_j3	0.735655	0.163838	0	1	1
Klf9_j3	0.925832	0.451526	0	1	1
Apba1_j2	28.7153	24.2086	0	1	1
Apba1_j4	22.5064	21.8092	0	1	1
Dock8_j4	0.318498	0.196696	0	1	1
Kank1_j2	0.0571257	0	0	1	1
Kank1_j1	0.118393	0	0	1	1
Smarca2_j4	0.183142	0.0954326	-0.940406	0.180099	0.519782
Smarca2_j10	8.86072	10.4884	0.243295	0.120975	0.433073

Vldlr_j10	0.412921	0.156507	0	1	1
Rcl1_j2	0.0529781	0.0787975	0.572753	0.700634	1
Rcl1	0.193952	0.260521	0.425697	0.583769	0.83315
Jak2_j2	2.67322	3.69597	0	1	1
Cd274	0.29733	0.203927	-0.54401	0.281104	0.629634
Cd274_j3	1.02172	1.13873	0.156424	0.51947	0.797067
Il33_j1	0.345906	0 -1.79769e+308		7.01E-09	5.05E-07
XLOC_016860	0.0723334	0.0577972	-0.323663	0.739927	1
Pten_j1	8.64203	6.25964	-0.465291	0.000504	0.0081967
Pten_j3	0.062088	0 -1.79769e+308		0.0331105	1
Pten_j9	0.188821	0 -1.79769e+308		0.0003845	0.0065665
Lipk_j2	0.672537	0.333831	-1.01049	0.0584123	0.283814
Lipn_j2	0.302064	1.51851	0	1	1
Stambpl1_j5	1.02277	0.688939	0	1	1
AK142879_j2	0.0718129	0.14394	1.00315	0.27546	1
Ifit2_j5	0.178132	0.18431	0	1	1
Ifit3_j2	2.56682	0.935798	0	1	1
I830012O16Rik_j2	0.454958	0.681374	0	1	1
Kif20b_j4	0.0960108	0.0457557	-1.06925	0.309891	1
Kif20b_j3	0.122967	0.0293324	-2.0677	0.0830482	1
Pcgf5	0.132441	0.220618	0	1	1
Pcgf5_j1	0.105091	0.000305779	0	1	1
Tnks2_j2	0.681333	0.035989	0	1	1
Btaf1_j1	0.0582075	0.0122879	0	1	1
Kif11_j4	0.133975	0 -1.79769e+308		1.69E-06	1
Kif11_j2	0.0883383	0.0389317	-1.18209	0.198821	1
Cyp26a1_j2	0.0573513	0 -1.79769e+308		0.0741758	1
Cyp26a1	0.278479	1.39036	2.31982	3.34E-11	3.75E-09
Cep55_j2	0.0652421	0.00131812	-5.62925	0.500514	1
Cep55_j3	0.139874	0 -1.79769e+308		0.0025973	0.0307412
Plce1_j5	0.0988402	0 -1.79769e+308		5.52E-06	1
XLOC_016892	0.152229	0.169187	0.152376	0.772058	0.922643
Hells_j3	0.879837	0.385887	-1.18906	2.32E-05	0.000626
XLOC_016900	0.0768569	2.98E-05	-11.3306	0.991344	1
XLOC_016900	0.153949	0.152327	-0.0152735	0.98028	0.994006
Ccnj_j5	0.139754	0 -1.79769e+308		0.0001418	0.0028695
Lcor_j8	0.256992	0.000700276	0	1	1
AK167556_j2	0.107856	0.138778	0	1	1
AK167556_j1	0.403724	1.18827	0	1	1
Ubttd1_j6	8.20215	9.51125	0	1	1
Ankrd2_j1	0.122406	0 -1.79769e+308		0.0576654	1
Zfyve27_j2	13.9169	14.8784	0	1	1
XLOC_016915	0.210064	0.188888	-0.153295	0.704406	0.891915
Scd2_j2	27.2261	20.2661	0	1	1
Peo1	3.56694	3.83159	0.103257	0.520086	0.797685
Kazald1_j6	0.129324	0.0570988	-1.17946	0.374018	1
XLOC_016935	0.075089	0 -1.79769e+308		0.0083653	1

Btrc_j3	8.5226	8.47671	0	1	1
Pprc1_j9	0.583198	0	0	1	1
Pprc1_j14	0.279422	0.572458	0	1	1
Gbf1_j4	0.227094	0 -1.79769e+308		3.80E-08	2.30E-06
Tmem180	7.72906	8.16039	0.0783449	0.614625	0.847771
Tmem180	1.27281	1.14171	-0.15682	0.674546	0.877234
Sfxn2	0.340628	0.322757	-0.0777486	0.860089	0.955759
Sfxn2_j7	0.332073	0.295367	-0.168992	0.734701	0.906438
2010012005Rik_j1	3.12698	2.8273	-0.145346	0.509646	0.790813
XLOC_016954	0.0639644	0.0614403	0	1	1
Pdcd11	0.892023	0.880016	0	1	1
Gsto2_j4	0.0836034	0 -1.79769e+308		0.042589	1
Gsto2_j6	0.139431	0 -1.79769e+308		0.0211254	0.146328
Ccdc147_j3	0.238042	1.14E-05	-14.3476	0.992424	0.997809
Add3	0.590285	0.344928	-0.775115	0.131554	0.451443
Add3_j3	0.410693	0 -1.79769e+308		3.20E-06	0.0001152
Mxi1	0.725059	0.317323	0	1	1
XLOC_016974	0.130012	0.10075	-0.36787	0.580551	1
Tcf7l2_j4	0.00122947	0.118311	6.58841	0.235929	1
Tcf7l2_j10	0.257773	0.0525695	-2.2938	0.023287	0.156388
Tcf7l2_j11	0.266263	0.0840885	-1.66287	0.0416634	0.230288
AK040090	0.543179	0 -1.79769e+308		4.97E-06	0.000168
Atrnl1_j4	0.922473	0	0	1	1
XLOC_016995	0.438337	0.384061	-0.190705	0.803368	0.934749
Ppp6r3_j2	1.4017	1.56854	0	1	1
Ppp6r3	2.33444	1.89045	0	1	1
Lrp5_j1	0.108434	0.157482	0	1	1
Tcirg1_j3	1.37866	1.37672	0	1	1
Aldh3b1_j2	0.267777	0 -1.79769e+308		0.0001692	0.0033363
Aip_j1	1.13714	1.1422	0	1	1
Rps6kb2_j1	3.86092	3.91138	0	1	1
Carns1_j10	0.145867	0.199661	0.452897	0.383007	0.712839
Carns1_j6	0.35111	0.356125	0.0204572	0.956841	0.987617
Tbc1d10c_j6	0.0469771	0.0711336	0	1	1
Ankrd13d_j4	0.998485	0.129163	0	1	1
Ankrd13d_j11	10.9176	8.26818	0	1	1
Kdm2a_j4	0.343799	0.286045	0	1	1
Lrfn4	0.883155	0.929793	0.0742431	0.811403	0.938053
Rce1_j3	3.19759	3.32769	0.0575353	0.82607	0.943936
Rce1_j2	0.853326	0.878005	0.0411307	0.935572	0.980308
Rce1_j4	1.65259	1.65793	0.00466152	0.983629	0.995188
Bbs1_j2	0.224683	0.140525	0	1	1
Dpp3_j2	6.25034	3.93228	0	1	1
Klc2_j2	16.0889	14.3746	-0.162545	0.0892049	0.366237
Sf3b2_j3	1.15775	0.466694	0	1	1
Sart1_j1	0.503409	0.363235	-0.470829	0.1559	0.489236
Sart1_j3	6.28616	6.69035	0.0899025	0.668885	0.874727

Drap1_j1	1.83548	1.76657	-0.055206	0.807571	0.936621
Drap1_j2	5.20566	4.19987	-0.309736	0.304507	0.650023
Drap1_j4	4.31363	4.8458	0.167833	0.496865	0.783602
Drap1_j3	1.383	1.66816	0.270455	0.53031	0.803051
Mus81_j1	0.640727	0.984777	0	1	1
Snx32_j4	31.7766	32.712	0.0418524	0.638759	0.860184
Kat5	0.296273	0.294688	0	1	1
Pcnx13_j1	0.159574	0.154797	-0.0438524	0.907298	0.970702
Pcnx13_j2	0.152039	0.201145	0.403797	0.179206	0.518821
Ehbp1l1	0.96157	1.01014	0	1	1
Scyl1_j4	0.0602864	0.0668156	0	1	1
Dpf2_j4	0.3297	0	-1.79769e+308	6.99E-06	0.0002269
Dpf2_j5	2.99123	3.13364	0.0670992	0.691382	0.885702
Tm7sf2_j1	3.62197	4.7361	0	1	1
1110014N23Rik_j1	0.0580561	0.0843802	0	1	1
1110014N23Rik_j4	0.39316	0.495242	0	1	1
Arl2_j3	0.458126	0.674132	0	1	1
Ppp2r5b_j6	0.688087	0.51931	0	1	1
Ccdc88b_j1	0.189553	0	-1.79769e+308	0.0008622	0.0126972
Ccdc88b_j2	0.135392	0.0983255	-0.461511	0.675348	1
Ccdc88b_j9	0.147358	0.014304	-3.36484	0.139396	0.464357
Prdx5_j1	187.261	181.648	-0.0439107	0.62775	0.854913
Kcnk4_j4	0.436485	0.358755	0	1	1
Plcb3_j2	2.3326	2.81478	0.271083	0.0786078	0.340034
Plcb3_j3	0.231476	0.177792	-0.380674	0.375539	0.707806
Plcb3_j12	6.3114	6.97786	0.144823	0.206939	0.551484
Vegfb_j3	15.8642	13.3587	-0.247998	0.134293	0.456076
Otub1_j3	35.9532	34.2327	-0.0707423	0.415978	0.733677
Mark2_j4	5.77383	8.039	0	1	1
Mark2_j6	2.10491	1.9516	0	1	1
Mark2_j7	1.17488	0.747363	0	1	1
Rtn3_j2	100.602	67.3183	0	1	1
Slc3a2_j2	4.84124	7.66235	0	1	1
Slc3a2	14.0743	13.255	0	1	1
Ttc9c	8.59571	7.93103	0	1	1
Gng3_j2	0.642821	0.674533	0	1	1
Gng3_j5	66.6322	84.2393	0	1	1
Rom1	1.28502	1.11508	0	1	1
Incenp_j2	0.501101	1.15009	0	1	1
Gm98_j3	0.277006	0.489651	0	1	1
Sdhaf2_j2	2.23429	2.25187	0	1	1
Tmem216_j2	0.933343	1.90866	1.03208	0.0070832	0.0664784
Dak_j1	0.186187	0	0	1	1
Cd6_j2	0.133454	0.0034387	-5.27833	0.499635	1
Stx3	1.05015	1.08081	0.0415083	0.877486	0.96086
Stx3_j4	0.302632	0.332305	0.134944	0.722149	0.900981
Dtx4_j1	3.32105	3.03675	0	1	1

Tle4	2.50622	2.54275	0	1	1
XLOC_017138	0.05873	0	-1.79769e+308	0.13067	1
XLOC_017144	0.0941913	0.0580258	-0.698899	0.421286	1
XLOC_017144	0.165633	0.076604	-1.1125	0.124685	0.439929
Ostf1_j2	58.5903	55.2635	0	1	1
Ostf1_j5	4.85477	3.67102	0	1	1
Mamdc2_j1	0.360759	0	-1.79769e+308	6.69E-09	4.86E-07
Fam189a2_j4	1.6342	1.28064	0	1	1
Tjp2_j8	0.415793	0.594134	0.514924	0.104493	0.401025
Fxn_j2	1.23543	1.48825	0.26861	0.587533	0.835056
Pgm5_j1	0.21116	0	-1.79769e+308	0.0054215	0.0539919
5033414D02Rik_j4	0.101249	0.0654844	-0.628688	0.674283	1
9930021J03Rik	0.559961	0.516829	0	1	1
Gldc_j1	0.38296	0.164044	-1.22311	0.0210454	0.145976
Asah2_j5	3.14458	2.36632	-0.410225	0.0169877	0.125633
Lipo1_j1	0.354442	0.216303	-0.712491	0.179039	0.518638
Slc16a12_j1	0.242046	0.167271	-0.533089	0.225296	0.57244
Cpeb3_j2	1.55428	0.44577	0	1	1
Cpeb3_j3	0.928152	0.441171	0	1	1
AK168860	0.218123	0.179429	-0.281724	0.49304	0.78149
5730455O13Rik_j4	0.770118	0.117416	0	1	1
Sorbs1_j4	1.14885	1.1192	0	1	1
Sorbs1_j5	0.780271	0.173834	0	1	1
Sorbs1_j6	2.47494	2.15251	0	1	1
Sorbs1_j7	2.97084	3.01147	0	1	1
Aldh18a1_j3	2.17647	2.76194	0	1	1
Tll2_j2	0.0977675	0.0594297	-0.718171	0.509068	1
Pik3ap1_j5	0.11549	0.205008	0.827907	0.3023	0.648402
Mms19_j4	1.88313	1.82484	0	1	1
Sfrp5_j1	45.363	39.5019	-0.199594	0.0715108	0.321492
Crtac1_j1	6.1236	9.79537	0	1	1
Pyroxd2_j6	0.168489	0	-1.79769e+308	0.0003014	0.0053603
Pyroxd2_j8	0.0574444	0	-1.79769e+308	0.0605645	1
Hps1_j1	0.10723	0	-1.79769e+308	0.0017459	1
Slc25a28_j2	1.90654	2.04059	0.0980324	0.639043	0.860252
Dnmbp_j2	0.372555	0	-1.79769e+308	9.48E-11	9.70E-09
Dnmbp_j3	0.103412	0	-1.79769e+308	1.68E-05	1
Cwf19l1_j4	0.221487	0.0912155	0	1	1
Cwf19l1_j5	0.522656	0.214264	0	1	1
Bloc1s2_j2	0.805699	0.869234	0	1	1
Pkd2l1_j1	0.0896112	0	-1.79769e+308	0.0052344	1
XLOC_017247	0.429245	0.247902	-0.792032	0.142935	0.469839
XLOC_017247	0.105451	0.114025	0.112782	0.88822	1
Poll	1.11482	1.40462	0.333369	0.213848	0.559016
Fbxw4_j1	0.138572	0.0817777	-0.760855	0.116316	0.424391
Mgea5_j4	0.198826	0	0	1	1
9130011E15Rik_j2	3.78044	4.73966	0	1	1

Ldb1_j3	0.649958	0.250223	0	1	1
Psd_j2	0.698933	1.13028	0.693455	0.0007873	0.0118342
Psd_j9	4.11197	4.27922	0.0575177	0.697984	0.888695
2310034G01Rik	0.600846	0.810706	0.432184	0.379523	0.710908
Arl3_j2	37.9099	39.069	0.0434488	0.724582	0.901993
Nt5c2	0.390099	0.435711	0	1	1
Obfc1	4.06417	4.50804	0.149542	0.380253	0.711271
Itprjp1_j1	0.189474	0.208083	0.135163	0.799356	0.933125
Xpnpep1_j1	10.8108	13.0089	0	1	1
5830416P10Rik_j3	0.0995811	0.0375654	-1.40647	0.313287	1
5830416P10Rik_j4	0.0358556	0.0709045	0.983679	0.528796	1
Gpam_j4	11.0919	11.5854	0	1	1
Gpam_j3	0.118004	0.0798565	0	1	1
Gucy2g_j2	0.209768	0.0962918	-1.12331	0.311609	0.656252
Dclre1a	0.395339	0.606152	0.616588	0.0465623	0.247407
A630007B06Rik_j3	0.446017	0.00020867	0	1	1
Afap1l2	0.535978	0.583129	0	1	1
Ablim1_j4	17.3972	17.8039	0	1	1
Ablim1_j5	2.06329	1.66137	0	1	1
4930506M07Rik_j2	1.75543	1.77326	0	1	1
Rab11fip2_j2	0.465775	0.195716	0	1	1
D19Ert737e_j2	0.682938	0.707792	0.0515703	0.851526	0.952852
D19Ert737e_j3	0.701559	0.646634	-0.117616	0.688231	0.884104
2700078E11Rik_j2	7.71456	9.13778	0	1	1
Eif3a_j2	7.27439	7.96998	0	1	1
Eif3a_j3	17.0265	21.3076	0	1	1
AK039536_j2	0.291092	0.000204465	-10.4754	0.820139	0.941808
Csf2ra_j10	0.331116	0.629561	0.927012	0.0670204	0.309529
Csf2ra_j13	0	0.135041	1.79769e+308	0.0308319	1
Mrpl21_j1	7.75031	8.0801	0	1	1
Cpt1a_j1	34.2463	29.1094	0	1	1
Unc93b1_j2	1.13632	3.41852	1.58901	3.16E-08	1.97E-06
Acy3_j2	0.247486	0.415288	0.746763	0.252592	0.600518
Nudt8	0.634536	0.632666	-0.00425898	0.991252	0.997413
Doc2g_j8	0.148896	0.136331	-0.127189	0.849655	0.952228
Doc2g_j12	0	0.0560152	1.79769e+308	0.089896	1
Pitpnm1_j4	3.49777	3.62331	0	1	1
Coro1b_j6	0.731035	1.4116	0	1	1
Clcf1_j4	0.139236	0.44773	1.6851	0.0206064	0.143858
Spnb3_j6	0.618365	1.00957	0.707214	0.0045461	0.0472744
Zdhhc24	0.88761	0.930353	0	1	1
Rin1_j6	0	0.151372	1.79769e+308	0.001527	1
XLOC_016731	0.271831	0.317603	0	1	1
Rnaseh2c_j3	13.4235	15.6419	0	1	1
Map3k11_j1	0.774747	1.05265	0.442224	0.0856747	0.357343
Ltbp3_j3	4.48546	2.48052	0	1	1
Slc25a45_j1	0.059404	0.117421	0.983059	0.414166	1

Syvn1_j3	0.178045	0.205125	0	1	1
Atg2a_j1	0.341449	0.371415	0.121362	0.728834	0.903836
XLOC_016750	0.0450018	0.0753414	0.74346	0.485728	1
Men1	0.465927	0.355014	-0.392227	0.503973	0.787321
Map4k2_j1	5.86054	5.09811	0	1	1
Sf1_j2	11.6512	11.4561	0	1	1
Rasgrp2_j3	0.106372	0.197001	0.889085	0.215086	0.560764
Rasgrp2_j8	5.126	2.94012	-0.801957	0.0084586	0.0756432
Nrxn2_j3	2.71477	2.37126	-0.195181	0.257006	0.605813
Nrxn2_j5	9.12358	10.5497	0.209536	0.194767	0.537206
Nxf1_j6	4.75662	5.80061	0	1	1
Nxf1_j2	3.96034	5.13671	0	1	1
Bsc12	36.6351	40.7009	0	1	1
Lrrn4cl	0.102701	0.171954	0.743567	0.259354	0.608037
Ganab_j1	0.063413	0.0451528	0	1	1
Ganab_j6	0	0.724841	0	1	1
B3gat3_j1	47.1294	49.4753	0	1	1
B3gat3_j2	7.36289	11.6807	0	1	1
Eml3_j4	0.0766326	0.0708297	0	1	1
Eef1g_j2	3.89123	3.85077	-0.0150787	0.912306	0.972389
Eef1g_j8	0.460771	0.325228	-0.502596	0.0857969	0.357639
Syt7	4.59394	5.88378	0	1	1
Slc15a3	0.461555	1.19192	0	1	1
XLOC_016800	0	0.0909435	1.79769e+308	0.0832456	1
AK044380_j1	0.213646	0.161899	-0.400125	0.625992	0.854009
XLOC_016817	0.213546	0.265094	0.311957	0.674545	0.877234
XLOC_016818	0.0752562	0.0803826	0.0950743	0.926341	1
XLOC_016821	0.021006	0.0969528	2.20648	0.278457	1
Gnaq_j3	4.59592	3.5783	0	1	1
XLOC_016824	0.0238105	0.117869	2.30752	0.212586	1
Prune2_j3	8.09357	9.25927	0.194122	0.039857	0.223368
Prune2_j9	0.130146	1.58302	3.60448	1.10E-11	1.33E-09
2410127L17Rik_j2	1.5101	1.61913	0	1	1
Trpm6_j2	0.0246507	0.0471537	0.935742	0.53239	1
Zfand5_j1	2.66582	4.01042	0	1	1
Fam108b_j2	1.37	1.53727	0	1	1
Trpm3_j4	0.463855	0.263201	0	1	1
Kank1_j4	0.957661	0.551784	0	1	1
Kank1_j6	0.36773	0.980925	0	1	1
Kank1_j8	1.01668	0.580776	0	1	1
Cdc37l1_j1	10.9291	9.62923	0	1	1
Il33	0	0.344333	1.79769e+308	0.0001151	0.0024236
Uhrf2_j2	0.103591	0.215028	1.05363	0.125832	0.441688
Pten_j2	6.50138	5.96763	-0.123589	0.269667	0.618744
Pten_j5	0.153149	0	-1.79769e+308	3.14E-07	1.48E-05
AK142879	1.19E-05	0.0571414	12.2338	0.986525	1
Kif20b_j9	0.0562821	0.147553	1.39048	0.342933	1

Rpp30_j1	0	0.466923	1.79769e+308	0.0172482	0.127058
Rpp30_j2	0.606164	0.522723	-0.213661	0.767211	0.920598
Btaf1_j3	0.9342	1.33058	0	1	1
Exoc6_j2	0.227874	1.17453	0	1	1
Cyp26a1_j1	0.0552832	0.249019	2.17135	0.0447427	0.241634
Cep55_j1	0.019099	0.12765	2.74063	0.060339	1
Plce1_j4	0.0214869	0.0656865	1.61214	0.0692663	1
Hells_j5	7.95E-05	0.443056	12.4442	0.773317	0.923105
Hells_j6	0.167401	0.172139	0.0402662	0.950157	0.985614
XLOC_016894	0.146398	0.393659	1.42705	1	1
XLOC_016896	0.0380639	0.126791	1.73595	0.496852	1
XLOC_016900	0.0471575	0.11063	1.23018	0.235018	1
Ccnj_j4	0	0.169833	1.79769e+308	0.0016805	0.0217149
Zfp518a_j1	0	0.243157	0	1	1
Lcor_j2	0.000510155	0.15866	0	1	1
Lcor_j3	1.00226	0.809085	0	1	1
Lcor_j9	0.61509	1.21858	0	1	1
XLOC_016913	0.0263252	0.0783248	0	1	1
Golga7b_j1	0	1.49256	0	1	1
Cutc	1.34019	1.50992	0.17203	0.539598	0.808476
Cutc_j1	0.345503	0.2784	-0.311539	0.692339	0.886113
Scd2_j5	3.63541	5.36772	0	1	1
Scd2_j6	61.9132	108.326	0	1	1
Fam178a_j4	1.01091	1.03995	0	1	1
Peo1	0.171122	0.209484	0.291816	0.511741	0.79169
Sfxn3_j2	22.8963	21.8472	0	1	1
XLOC_016935	0.166651	0.353808	1.08614	0.0491521	0.25559
XLOC_016941	0.0873902	0.179821	0	1	1
Pprc1_j10	0.0719032	0.0994157	0	1	1
Tmem180_j2	0	0.53665	1.79769e+308	0.0022171	0.0270497
Trim8_j1	6.93212	7.70688	0.152851	0.239869	0.587219
As3mt_j2	0.29599	0.31669	0.0975229	0.891234	0.965646
Cnm2_j1	0.0572597	0.0511458	0	1	1
Neurl1a_j1	1.90471	1.60365	0	1	1
Slk_j6	1.07484	0.217689	0	1	1
Gsto2_j5	0	0.265265	1.79769e+308	0.0160183	0.120474
Add3_j1	0	0.286866	1.79769e+308	0.0030695	0.0350695
Mxi1_j3	5.40641	6.47852	0	1	1
XLOC_016971	0.221721	0.279013	0.331588	0.531236	0.803433
Tcf7l2_j9	0.0385751	0.237849	2.62431	0.0020669	0.025641
Tcf7l2_j6	0.136365	0.11494	-0.246595	0.710772	1
Tcf7l2_j8	0	0.0512503	1.79769e+308	0.0440559	1
Tcf7l2_j7	0.0736729	0.00149189	-5.62592	0.309511	1
AK040090_j1	0.177	0.135904	-0.381169	0.668008	0.874424
1700011F14Rik_j4	0.228271	0.524612	1.2005	0.0001426	0.0028835
Pnliprp2	0.0735169	0.672416	3.19321	2.62E-06	9.61E-05
XLOC_016995	4.35975	4.47327	0.0370842	0.852193	0.953098

XLOC_017001	0.426315	0.323848	-0.396602	0.514965	0.793855
Ighmbp2_j2	2.15078	2.02085	0	1	1
Lrp5_j3	0.0623978	0.183608	0	1	1
Tcirg1_j4	0.102902	0.133441	0	1	1
Tcirg1_j5	1.27599	2.19067	0	1	1
Ndufs8_j1	46.1857	43.6452	0	1	1
Carns1_j8	0.202601	0.802978	1.98672	2.47E-06	9.16E-05
Carns1_j9	0.081978	0.146502	0.837615	0.187301	1
Tbc1d10c_j5	0	0.0965745	0	1	1
Rad9_j3	1.08449	1.30056	0	1	1
Ankrd13d_j1	3.45725	4.14953	0	1	1
Adrbk1_j3	0.533894	1.06975	0	1	1
Adrbk1_j4	0.595242	0.419563	0	1	1
Actn3	0.254273	0.263544	0.0516644	0.905548	0.969961
Klc2_j3	12.4684	10.3706	-0.265781	0.0087095	0.0773047
Pacs1_j2	4.41539	5.35592	0.278591	0.124475	0.439692
Sf3b2_j1	2.19427	0.795263	0	1	1
Drap1_j5	39.8446	52.032	0.385015	0.0340109	0.201923
Ctsw_j2	0.110839	0.159676	0.526676	0.467257	0.766636
Ctsw_j1	0.0966971	0.117276	0.278358	0.725927	1
Snx32_j3	0.295506	0.453119	0.616703	0.147664	0.476304
Pcnxl3_j3	0.0442146	0.0783427	0.825275	0.19145	1
Scyl1_j5	0.77366	0.440846	0	1	1
Capn1	41.0045	41.6294	0	1	1
Ppp2r5b_j5	0.382799	0.408443	0	1	1
Ccdc88b_j10	0.0271765	0.0814645	1.58381	0.47922	1
Kcnk4_j1	1.523	1.73065	0	1	1
Gpr137_j1	6.68367	6.50229	-0.039692	0.751105	0.913736
Plcb3_j7	2.33489	1.57336	-0.569508	0.0014045	0.0187498
Plcb3_j8	0.623862	0.68483	0.134517	0.540292	0.808817
Plcb3	61.0508	55.0467	-0.149354	0.0848517	0.355554
Vegfb_j1	0.441932	0.198869	-1.15201	0.405127	0.726964
Naa40_j2	0	0.798664	1.79769e+308	6.03E-08	3.48E-06
Polr2g_j3	28.7968	37.6991	0	1	1
Best1_j2	0.124787	0.0544669	0	1	1
Best1_j4	0.282237	0.255713	0	1	1
Gm98_j7	0.341808	0.580691	0	1	1
Dagla_j1	2.39851	2.41025	0	1	1
Stx3_j2	0.636632	0.776079	0.285742	0.231003	0.57801
Tle4_j2	0.588649	0.651591	0	1	1
XLOC_017138	0	0.0475405	1.79769e+308	0.170407	1
XLOC_017144	0.113488	0.0406359	-1.48171	0.178379	1
Anxa1_j1	1.45789	6.25912	0	1	1
AK089615_j2	0.134427	0.181607	0.433998	0.564629	0.823408
Smc5	0.434201	0.322242	0	1	1
Tjp2_j1	0	0.0804155	1.79769e+308	0.009952	1
Rfx3_j1	0.077755	0.0576432	-0.431784	0.75769	1

Glis3_j4	0.0633631	0.261473	2.04494	0.0004962	0.0080897
Glis3_j6	0.0934619	0.252232	1.4323	0.0010202	0.0145269
Glis3_j5	0.0124456	0.0710447	2.5131	0.033415	1
5033414D02Rik_j2	0.00337915	0.227535	6.07328	0.31923	0.662595
Ermp1_j3	2.58483	3.4245	0.405824	0.0760255	0.333002
Ermp1_j4	0.130667	0 -1.79769e+308		3.53E-05	1
9930021J03Rik_j10	0	0.109894	0	1	1
Asah2_j7	0.197644	0.0494921	-1.99764	0.017937	0.130623
Sgms1_j5	0.532369	0.424861	0	1	1
Sgms1_j4	0.0146725	0.270149	0	1	1
Lipo1_j4	0.649465	1.19172	0.875718	0.0040021	0.0428983
Lipo2_j3	1.22941	1.80478	0.553864	0.0240065	0.15981
Lipa	3.92739	4.37946	0	1	1
Ankrd1	0.0683605	0.433207	2.66382	3.39E-07	1.58E-05
Ide_j4	2.66409	3.20559	0	1	1
Myof_j5	0.0474567	0.0327846	-0.533594	0.722907	1
Myof_j4	0	0.109556 1.79769e+308		0.0098238	1
5730455O13Rik_j1	0.349175	0.428812	0	1	1
Sorbs1_j13	0.452662	3.43484	0	1	1
Sorbs1_j14	6.00677	5.58343	0	1	1
Sorbs1_j16	1.31765	0.51816	0	1	1
Blnk	0.396608	0.674666	0.766458	0.0336429	0.200495
Tm9sf3_j1	4.67267	9.53365	0	1	1
Pik3ap1	0.158224	0.435497	1.46069	0.0001078	0.0022968
Arhgap19_j1	0.000971146	0.343462	0	1	1
Mms19	12.2776	12.1864	0	1	1
Pyroxd2_j1	0	0.100786 1.79769e+308		0.0631452	1
Pyroxd2_j2	0.037388	0.166903	2.15836	0.0703171	0.318545
Pyroxd2_j10	0.0786932	0.104179	0.404757	0.813619	1
Hps1_j9	0.695376	0.793937	0.191231	0.632673	0.857248
Hps1_j10	0.0288768	0.350333	3.60074	0.0007946	0.0119243
Hps1_j11	0.0845576	0.478869	2.50163	2.98E-07	1.42E-05
Slc25a28_j3	2.87546	3.00473	0.0634391	0.838947	0.948659
Dnmbp_j4	0	0.214594 1.79769e+308		1.34E-05	0.0003995
Chuk_j3	1.73735	1.93287	0.153856	0.502581	0.786557
Chuk_j4	0.687776	0.683519	-0.00895813	0.978281	0.993756
Cwf19l1_j6	1.30431	1.47854	0	1	1
Bloc1s2_j5	0.0486109	0.102765	0	1	1
Sec31b_j7	0.0785624	0.0731391	-0.103196	0.916185	1
Sec31b_j8	0.0416963	0.185812	2.15585	0.0074827	0.0692411
Ndufb8_j2	4.22218	3.88627	0	1	1
Ndufb8_j3	67.6763	65.1385	0	1	1
Pdzd7_j2	0.768871	0.847485	0.140446	0.630294	0.856283
Mgea5_j2	1.28946	1.42992	0	1	1
9130011E15Rik_j3	7.29673	6.55858	0	1	1
Ldb1_j5	9.51837	9.08278	0	1	1
Psd_j6	0.0593578	0.0716386	0.2713	0.738271	1

Psd_j7	5.72634	5.25324	-0.124408	0.320607	0.663843
Pcgf6_j1	0.960109	0.492026	-0.964465	0.01777	0.129725
Obfc1_j2	1.6221	1.66767	0.0399709	0.873763	0.959888
Sorcs1_j5	1.27518	1.21294	0	1	1
Smndc1_j2	0.273235	0.437641	0.679605	0.226378	0.573555
5830416P10Rik_j2	0	0.0573754 1.79769e+308		0.0906139	1
Gucy2g_j3	0.0525225	0.0727119	0.469256	0.756008	1
Afap1l2_j4	0	0.364708	0	1	1
XLOC_017291	0	0.0629618 1.79769e+308		0.0720108	1
GDNFR-alpha_j1	0.0546668	0.556022	0	1	1
GDNFR-alpha_j2	0.104323	0.24169	0	1	1
GDNFR-alpha_j3	0.447786	0.264254	0	1	1
1700019N19Rik	0.104232	0.230218	1.1432	0.0997002	0.390914
Hspa12a_j1	43.2483	39.4202	0	1	1
Pdzd8_j1	11.7113	10.1979	0	1	1
Csf2ra_j15	0.511662	0.661256	0.370019	0.353097	0.689667
Csf2ra_j14	0.489283	0.634101	0.374042	0.402831	0.726002
Cpt1a_j4	4.20611	5.23992	0	1	1
XLOC_016695	0.111143	0.104578	-0.087832	0.912266	1
Suv420h1_j3	3.86309	4.12492	0.094614	0.441379	0.750188
Clcf1_j2	0.0394561	0.283183	2.84342	0.122464	0.435588
Clcf1_j5	0	0.334809 1.79769e+308		0.002619	0.0309461
XLOC_016711	0.0717265	0.0974918	0	1	1
Fosl1_j2	0	0.397547	0	1	1
Fosl1_j1	2.85292	3.18674	0	1	1
Fosl1_j3	3.02543	3.04648	0	1	1
Ltbp3_j8	1.94594	2.09171	0	1	1
Cdc42bpg_j3	0.035487	0.0651274	0.875974	0.294178	1
Cdc42bpg_j10	0	0.0721464 1.79769e+308		0.0570997	1
Pygm_j1	0	0.079741 1.79769e+308		0.021857	1
Rasgrp2_j7	0.740299	0.329412	-1.16821	0.0056663	0.0558933
XLOC_016767	0.582419	0.316427	-0.880183	0.656155	0.868853
Stx5a_j2	5.56843	8.88215	0	1	1
Zbtb3_j1	0	0.0587071 1.79769e+308		0.083088	1
1810009A15Rik_j2	0.221704	0.315663	0	1	1
Ganab	18.7736	17.9114	0	1	1
Ganab_j5	2.35103	1.56488	0	1	1
Eml3_j5	0.362075	0.375357	0	1	1
Eef1g_j3	0.692366	1.07236	0.63118	0.0126808	0.102195
Syt7_j3	0.97322	1.57081	0	1	1
Cpsf7	7.77226	7.05639	0	1	1
Osbp_j3	10.4822	10.6046	0	1	1
XLOC_016818	0.0865084	0.0864486	-0.000998579	0.999282	1
Gnaq_j1	1.63416	0.715139	0	1	1
Rfk_j2	13.4067	8.31916	0	1	1
Trpm6_j4	0.376321	0.439448	0.223729	0.671154	0.87565
Aldh1a1_j6	0	0.300516 1.79769e+308		0.0012088	0.0166392

Tmem2_j5	1.8746	2.46543	0	1	1
Klf9_j1	9.61827	7.54205	0	1	1
Ptar1_j1	0	0.0697419	1.79769e+308	0.0005057	1
Dock8_j5	0.338868	0.348184	0	1	1
Kank1_j7	0.66378	0.927466	0	1	1
Smarca2_j1	3.06779	2.67671	-0.196738	0.184013	0.524679
Smarca2_j2	1.33697	1.91015	0.514722	0.004683	0.0483055
Smarca2_j5	11.603	10.7431	-0.111088	0.298371	0.64496
Slc1a1_j1	0	0.084181	1.79769e+308	0.017313	1
AK028012	0.11417	0.0975167	-0.227459	0.887999	1
Jak2_j1	0.597121	1.03598	0	1	1
C030046E11Rik_j2	0.0435609	0.0535224	0.297107	0.727432	1
2700046G09Rik_j1	0.476185	0.599912	0.333231	0.58084	0.831827
XLOC_016866	0.0691408	0.144016	1.05862	0.187173	1
Pten_j7	31.7421	27.3864	-0.212936	0.014797	0.113779
Stambpl1_j1	2.08841	1.63005	0	1	1
Stambpl1_j4	1.13974	0.410959	0	1	1
Fas_j2	0.0922245	0.178871	0.9557	0.285149	0.633925
Kif20b_j6	0	0.0959433	1.79769e+308	0.0263032	1
Kif20b_j7	0.064997	0.04799	-0.437641	0.723285	1
XLOC_016879	0.228917	0.108235	0	1	1
Hectd2_j1	0.0593396	0.0545158	-0.122322	0.897698	1
Hectd2_j2	0.0282168	0.0761476	1.43224	0.178691	1
Tnks2_j1	0	0.0771104	0	1	1
Btaf1_j4	0.421574	0.697075	0	1	1
Kif11_j6	0	0.134172	1.79769e+308	0.0650553	1
Kif11_j9	0.292652	0.137238	-1.09251	0.10192	0.395606
Kif11_j11	0.0768397	0.116182	0.596464	0.6025	1
Exoc6_j1	0.419868	0.744402	0	1	1
Lgi1_j2	18.6074	15.9899	-0.218711	0.0236252	0.157919
Tbc1d12_j3	2.86286	2.75301	-0.0564479	0.737099	0.907482
Hells_j2	0.31449	0.355131	0.17534	0.722296	0.90111
Hells_j7	0.322648	0.131937	-1.29011	0.085652	0.357343
Ccnj_j3	0	0.0665339	1.79769e+308	0.0359811	1
Zfp518a_j5	0	0.0671354	0	1	1
Zdhhc16_j2	1.54966	1.48564	0	1	1
Zdhhc16_j1	2.89402	3.58115	0	1	1
Ubtd1_j3	0	0.0794682	0	1	1
D19Ert386e_j1	2.422	2.3846	-0.022451	0.906311	0.970331
Scd2_j3	96.377	127.733	0	1	1
Fam178a_j1	0.0169793	0.0874307	0	1	1
Kazald1_j2	9.76E-05	0.542427	12.4401	0.945657	0.983787
XLOC_016935	0.241108	0.249767	0.0509065	0.909258	0.971287
XLOC_016935	0.271181	0.207168	-0.388455	0.490781	0.780098
XLOC_016936	0.00571577	0.0744412	3.70308	0.174982	1
Pprc1_j15	0.189756	0.075682	0	1	1
Gbf1_j5	8.17094	7.47513	-0.128404	0.380807	0.711587

Tmem180_j1	3.03325	3.67551	0.277079	0.249785	0.597201
Trim8_j2	1.97774	3.07209	0.635369	0.11921	0.429562
Sfxn2_j5	0.0541182	0.0558193	0.0446503	0.969786	1
Sfxn2_j4	0	0.0713875	1.79769e+308	0.0417158	1
D19Wsu162e	0.145575	1.53362	0	1	1
D19Wsu162e_j1	3.30588	4.39442	0	1	1
Neurl1a_j2	0.431872	0.414767	0	1	1
Slk_j3	1.92676	2.43953	0	1	1
Gsto2_j2	0	0.122265	1.79769e+308	0.077206	1
Ccdc147_j1	0.0523874	0.0838589	0.678745	0.547487	1
AA387883	0.12706	0.286557	1.17331	0.0304936	0.187759
Add3_j4	0.0521575	0.968215	4.21438	2.15E-05	0.0005877
XLOC_016971	0.0452827	0.148511	1.71354	0.226448	1
Acs5_j1	21.8716	24.1066	0.140366	0.169131	0.505835
AK040090_j5	0.223564	0.337104	0.592509	0.347767	0.686337
AK040090_j7	0.178785	0.995991	2.4779	0.0002203	0.0041522
Atrnl1_j1	10.7966	10.1075	0	1	1
Atrnl1_j6	0	0.258151	0	1	1
Gm16277_j1	12.6228	28.5927	0	1	1
XLOC_016991	0.0185341	0.0971117	2.38946	0.408771	1
1700011F14Rik_j6	0.985283	0.946419	-0.0580588	0.844271	0.950736
1700011F14Rik_j7	2.02762	2.11413	0.0602763	0.677426	0.878715
Kcnk18_j1	0.203145	0.587708	1.53259	5.02E-08	2.95E-06
XLOC_017001	1.12759	1.19891	0.0884749	0.83168	0.945808
Ppp6r3_j8	0	0.255831	0	1	1
Tcirg1_j6	0.770581	1.06411	0	1	1
Rps6kb2_j3	0.900209	1.40394	0	1	1
Ankrd13d_j5	0.846909	4.07027	0	1	1
Syt12_j1	3.30238	3.05941	-0.110252	0.585192	0.833935
XLOC_017026	0.140665	0.170104	0.274156	0.775767	0.924037
AK134945_j1	0.07686	0.124358	0.694191	0.488012	1
Rbm4_j3	1.35022	1.33743	0	1	1
Rbm4_j2	1.91078	2.20088	0	1	1
Bbs1_j3	0	0.181462	0	1	1
Peli3_j2	1.127	0.783705	-0.524103	0.0713623	0.32118
Tmem151a_j1	0.201096	0.283933	0.497661	0.590149	0.836402
Tmem151a_j1	82.9463	82.1224	-0.0144005	0.8678	0.958158
Cnih2	7.86878	7.32834	-0.102652	0.558375	0.820094
Klc2_j5	10.1048	13.2895	0.395242	0.0027579	0.0322439
Pacs1_j3	0.109233	0.607949	2.47654	0.0029971	0.0343962
Sf3b2	2.74092	3.83901	0	1	1
Banf1_j2	20.173	30.1378	0.579149	0.0001268	0.0026163
Mus81_j2	0.302827	0.462277	0	1	1
Kat5	10.0554	9.60219	0	1	1
Pcnx13_j7	6.01151	6.42191	0.0952741	0.409915	0.730017
Sssca1_j3	0.303183	0.589662	0	1	1
Scyl1_j3	7.54357	6.905	0	1	1

Dpf2_j3	0.233031	1.59825	2.77789	9.14E-10	7.68E-08
Pola2_j3	0.175944	0.32437	0	1	1
Capn1_j1	0.20864	0.328974	0	1	1
Arl2_j2	18.0237	14.7655	0	1	1
Ppp2r5b_j1	19.4136	22.142	0	1	1
Ccdc88b_j7	0	0.113319	1.79769e+308	0.0031342	1
Esrra_j4	24.8403	24.2733	-0.0333096	0.715594	0.897263
Plcb3_j9	7.08927	11.1651	0.655291	5.65E-08	3.29E-06
Plcb3_j10	6.40512	6.09963	-0.0705029	0.563674	0.822792
Plcb3_j11	0.3192	0.427846	0.422631	0.26869	0.617595
Vegfb_j8	0.0538788	0.16602	1.62357	0.112348	0.417177
Vegfb_j9	0	0.0494238	1.79769e+308	0.0190274	1
Naa40_j7	1.1105	1.33329	0.263788	0.302188	0.648314
Naa40_j8	0.308218	0.307049	-0.00548214	0.990957	0.99726
Mark2_j3	0.177119	0.19989	0	1	1
Polr2g_j1	22.2683	27.1974	0	1	1
Gng3_j1	0	0.0931712	0	1	1
Sdhaf2_j3	1.88252	1.98389	0	1	1
Tmem132a_j1	2.38309	2.87044	0	1	1
Ms4a14_j1	0.170016	0.232079	0.448944	0.285108	0.633894
A330040F15Rik_j1	0	0.0907712	1.79769e+308	0.0434996	1
Tle4_j5	6.94228	6.01149	0	1	1
XLOC_017138	0.180649	0.229673	0.346396	0.625869	0.854009
Vps13a_j1	0.31755	0.370069	0.220813	0.464557	0.764829
Vps13a_j3	5.80259	4.60789	-0.332592	0.103212	0.398287
Ostf1_j1	0.22077	0.623534	0	1	1
Ostf1_j3	1.6047	0.904083	0	1	1
Ostf1_j4	2.09704	1.31096	0	1	1
Ostf1_j9	58.2378	61.8738	0	1	1
Smc5_j3	0.150526	0.456658	0	1	1
Tjp2_j4	0.267707	0.287786	0.104344	0.800541	0.93355
D19Bwg1357e_j1	1.1504	1.71544	0.576442	0.0265209	0.17117
4430402118Rik_j5	0.0628031	0.0199364	-1.65543	0.477306	1
5033414D02Rik_j1	4.27691	3.29693	-0.375445	0.0873697	0.361658
Ermp1_j2	2.0004	2.01066	0.00738065	0.973989	0.992504
9930021J03Rik_j6	0.00913448	0.159819	0	1	1
Prkg1_j1	7.60044	6.32908	0	1	1
Prkg1_j7	0.199338	0.892345	2.16238	0.0012329	0.0168983
Asah2_j4	0.618165	0.539649	-0.195972	0.509382	0.790813
Lipo1_j2	4.92886	4.66606	-0.0790491	0.700175	0.8896
Lipo2_j1	0.265436	0.456767	0.783097	0.110151	0.412969
Gm14446_j1	0.088296	0.13014	0	1	1
Slc16a12_j3	0	0.0896322	1.79769e+308	0.0023325	1
Pank1	1.49298	1.41957	-0.0727445	0.66309	0.872404
Ppp1r3c_j1	0.287887	0.442029	0.618638	0.138368	0.462545
Cpeb3_j1	0.209062	1.13378	0	1	1
Ide_j3	3.94187	5.18559	0	1	1

Myof_j6	0.0535568	0.0906313	0.75894	0.583804	1
5730455013Rik_j2	0.348601	0.178077	0	1	1
Sorbs1_j10	2.58498	3.28002	0	1	1
Sorbs1_j9	2.24056	6.25269	0	1	1
Sorbs1_j11	6.89509	6.96324	0	1	1
Aldh18a1_j5	3.51612	3.91986	0	1	1
Tctn3_j2	0.117231	0.289093	1.30218	0.0097384	0.0839896
Tctn3_j3	1.52068	1.19117	-0.352337	0.248804	0.596346
Slit1_j8	6.56721	10.7777	0	1	1
Arhgap19_j4	0.91637	1.66032	0	1	1
Loxl4_j2	0.165997	0.270817	0.70616	0.189052	0.530662
Pyroxd2_j4	0	0.0535608	1.79769e+308	0.0707259	1
Pyroxd2	0.0607585	0.0956622	0.654863	0.493317	1
Dnmbp_j5	0	0.0908294	1.79769e+308	0.0126775	1
Cpn1_j1	0.967917	1.32496	0.452996	0.261202	0.610374
Chuk_j5	1.07416	1.38311	0.364704	0.256594	0.605481
Bloc1s2_j4	0.300554	1.05041	0	1	1
Bloc1s2_j6	0.046175	0.0610181	0	1	1
Ndufb8_j1	42.6885	39.2616	0	1	1
Pdzd7_j3	0.00100278	0.342001	8.41386	0.327147	0.670083
Npm3_j3	0.218981	0.27664	0	1	1
Mgea5_j3	11.2775	10.0131	0	1	1
Ldb1_j4	10.2399	11.1753	0	1	1
Cuedc2	11.9225	13.4329	0.172081	0.300088	0.646692
Actr1a_j1	102.196	105.756	0	1	1
Pcgf6_j3	0.0537569	0.139789	1.37873	0.127217	1
Sh3pxd2a_j3	0	0.30859	0	1	1
XLOC_017274	0.0590879	0.110349	0.901135	0.592641	1
Gpam_j6	0.344204	0.476322	0	1	1
Ablim1_j3	0.259951	0.189627	0	1	1
AK045643_j3	0.0857651	0.2678	0	1	1
AK045643_j4	0.193548	0.313176	0	1	1
Hspa12a	9.19499	6.93684	0	1	1
Rab11fip2_j4	3.56296	2.7835	0	1	1
Rab11fip2_j5	1.61593	1.87493	0	1	1
Rab11fip2_j6	0.0957805	0.0542965	0	1	1
Eif3a_j4	0	0.160582	0	1	1
AK039536_j4	1.23874	2.05904	0.733107	0.0038411	0.0416791
Csf2ra_j3	0.117529	0.113171	-0.0545138	0.939745	1
Csf2ra_j1	0.397228	0.613317	0.626665	0.0620837	0.294919
Csf2ra_j2	0	0.0853287	1.79769e+308	0.0160698	1
Mtl5_j1	0	0.0711263	1.79769e+308	0.134973	1
Suv420h1_j1	0.526654	0.45937	-0.1972	0.474561	0.770688
Chka_j3	7.80916	11.6347	0	1	1
Unc93b1_j1	0.994684	0.665395	-0.580028	0.139219	0.463926
Doc2g_j2	1.02925	1.14043	0.147982	0.545005	0.811904
Doc2g_j7	0.12433	0.221118	0.830642	0.0977925	0.38642

Ppp1ca_j3	0	0.132916	0	1	1
Clcf1	0.0704627	0.0017503	-5.33119	0.481572	1
XLOC_016710	0.0890957	0.197055	1.14517	0.314032	0.658298
Gal3st3_j1	0	0.0582221 1.79769e+308		0.110711	1
Rela_j4	11.0311	15.8194	0.520127	3.89E-06	0.0001361
Kcnk7_j1	0	0.100591 1.79769e+308		0.0790902	1
Ltbp3_j6	11.6881	9.49767	0	1	1
Slc25a45_j2	0.170771	0.243794	0.513599	0.419025	0.735751
Syvn1_j2	4.10707	2.45753	0	1	1
Syvn1	1.70609	1.48197	0	1	1
Cdca5	0.145868	0.265866	0.866038	0.0665002	0.30809
Naaladl1_j2	0.18879	0.310024	0.715596	0.146392	0.474685
Atg2a_j2	0.845856	0.797996	-0.0840306	0.73488	0.906496
Cdc42bpg_j8	0.0358259	0.0598829	0.741142	0.491371	1
Men1	2.08285	2.2809	0.131041	0.611878	0.847155
Sf1_j3	0	0.364202	0	1	1
Nrxn2_j1	0.467797	0.311766	-0.585417	0.138308	0.462436
Ppp1r14b_j1	2.65742	3.96408	0.576958	0.0255118	0.166622
Ppp1r14b_j3	0.150986	0.127767	-0.240898	0.869456	0.958459
XLOC_016767	0	0.182621 1.79769e+308		0.25311	0.601131
1810009A15Rik_j1	0.824476	1.14712	0	1	1
Ganab_j10	15.1098	15.9505	0	1	1
Eef1g_j4	3.50893	3.39039	-0.0495805	0.844798	0.950919
Eef1g_j7	0.241694	0.331107	0.454118	0.146716	0.475075
Rab3il1_j2	0	0.052004 1.79769e+308		0.103561	1
1810006K21Rik_j1	29.7889	36.1722	0.28011	0.137573	0.461343
Cybasc3_j1	1.63978	2.44035	0.573588	0.0162674	0.121888
Vps37c_j3	4.94978	3.03759	-0.704435	0.0358492	0.208909
Slc15a3_j1	0.000677546	0.340746	0	1	1
Slc15a3_j3	0.00767652	0.104412	0	1	1
Ms4a4b	0.0276372	0.173088	2.64682	0.127029	0.444014
Glyat_j2	0.12703	0.466395	1.87638	0.007817	0.0713725
XLOC_016813	0.0196742	0.05318	1.43458	0.56697	1
Gnaq_j2	5.72689	5.94492	0	1	1
Prune2_j6	1.30014	2.358	0.858892	0.0004634	0.0076457
2410127L17Rik_j3	4.97852	5.59832	0	1	1
Trpm6_j1	7.89E-06	0.063387	12.9723	0.984761	1
Aldh1a1_j3	0	0.158567 1.79769e+308		0.01203	0.0983906
Zfand5_j6	16.4001	15.9074	0	1	1
Trpm3_j5	0	0.580708	0	1	1
Trpm3_j7	0	0.0634291	0	1	1
XLOC_016839	0.177717	0.157485	0	1	1
Dock8_j1	0.242965	0.143001	0	1	1
Dock8_j3	0.239269	0.164587	0	1	1
Dock8_j6	0.0142908	0.225346	0	1	1
Smarca2_j8	0	0.974107 1.79769e+308		2.66E-05	0.0006975
Vldlr_j9	2.43153	1.81279	0	1	1

AK028012_j1	0.106142	0.405865	1.935	0.207551	0.55198
Rcl1_j1	0.00538961	0.561399	6.7027	0.0547326	0.272957
Cd274_j1	0.405627	0.227902	-0.831743	0.0395629	0.222296
C030046E11Rik_j3	0.70197	1.1373	0.696126	0.0037684	0.0411078
Pten_j4	0.234226	0.120753	-0.955841	0.0465452	0.247393
Lipn_j3	0	1.62482	0	1	1
Ifit2_j4	0	0.136172	0	1	1
Kif20b_j2	0	0.105811	1.79769e+308	0.00631	1
Rpp30_j3	0.567274	0.78867	0.475376	0.434625	0.745734
Hectd2_j4	0	0.115938	1.79769e+308	0.007132	1
March5_j1	21.4089	22.4591	0	1	1
Kif11_j7	0	0.0833172	1.79769e+308	0.0204058	1
Kif11_j10	0	0.0782027	1.79769e+308	0.0366324	1
Exoc6_j3	1.99669	2.94912	0	1	1
XLOC_016887	0.0854615	0.121635	0.509216	0.559072	1
Lgi1_j1	3.40632	4.14553	0.283344	0.304703	0.65013
Plce1_j3	1.12279	1.10026	-0.0292451	0.862124	0.956374
Plce1_j7	2.49872	2.70686	0.115433	0.427784	0.741888
Hells_j4	0	0.0509722	1.79769e+308	0.0822944	1
XLOC_016894	0.0306018	0.100488	1.71534	0.404448	1
Entpd1_j1	1.84639	1.55412	0	1	1
Zfp518a_j4	0.120707	0.107207	0	1	1
Zfp518a_j6	0.195952	0.31223	0	1	1
Zdhhc16_j3	2.14042	2.42132	0	1	1
Ubt1_j2	0	0.468799	0	1	1
XLOC_016915	0	0.103372	0	1	1
D19Ert386e_j2	1.86938	2.33567	0.321281	0.129586	0.448468
Fam178a_j2	0.0536661	0.230723	0	1	1
Sema4g_j4	0.236714	0.404691	0	1	1
Sema4g_j3	1.18408	0.99672	0	1	1
Sema4g_j1	0.784387	0.334688	0	1	1
Sema4g_j2	3.12E-05	0.262024	0	1	1
Kazald1_j5	0.739108	0.223129	-1.72791	0.0607082	0.290452
XLOC_016935	0.312867	0.215902	-0.535175	0.18486	0.525128
Btrc_j4	0	0.0562576	0	1	1
Pprc1_j2	0.000153282	0.312259	0	1	1
Pprc1_j7	1.28968	1.55047	0	1	1
Pprc1_j12	0.92229	1.79384	0	1	1
Gbf1_j7	22.1593	23.1693	0.0643046	0.573251	0.827482
Sufu_j2	0.790031	1.18176	0	1	1
Sfxn2_j3	0.317692	0.359687	0.179116	0.852005	0.952976
Pdcd11_j3	1.66976	2.4512	0	1	1
Slk_j1	0.784897	1.96443	0	1	1
Slk_j5	1.16452	2.07961	0	1	1
6330577E15Rik_j1	4.42598	5.54894	0	1	1
Gsto1_j1	24.3772	23.1305	-0.0757381	0.560864	0.821348
Ccdc147_j2	0.0121355	0.0565702	2.22081	0.318211	1

XLOC_016966	0.0450072	0.241927	2.42635	0.0068965	0.0650796
Dusp5_j1	3.25179	3.19837	0	1	1
XLOC_016971	0.188512	0.17213	-0.131154	0.819813	0.941608
Rbm20_j1	0.116993	0.073314	-0.674258	0.442053	1
Shoc2	25.5989	24.5534	-0.0601565	0.509673	0.790813
Tcf7l2_j13	0.00115944	0.07793	6.07068	0.378871	1
AK040090_j4	0	0.500574	1.79769e+308	0.0009425	0.0136359
Atrnl1_j3	0.687277	0.377482	0	1	1
XLOC_016991	0.130717	0.149455	0.193271	0.84113	1
1700011F14Rik_j1	0.094887	0.473864	2.32019	0.0005352	0.0086354
Pnliprp2_j1	1.22E-06	0.0666171	15.7383	0.998704	1
XLOC_016995	0	0.128339	1.79769e+308	0.0907945	1
Fam45a_j1	12.1877	11.5798	-0.0738199	0.547551	0.813761
XLOC_017001	0	0.0473055	1.79769e+308	0.280976	1
Ighmbp2_j3	0.998666	0.675151	0	1	1
Gal_j1	25.4182	111.844	2.13756	0	0
Ppp6r3_j4	1.57282	2.72859	0	1	1
Tcirg1_j2	0.0960106	0.292193	0	1	1
Carns1_j7	0.442217	0.400401	-0.143306	0.692429	0.886124
Tbc1d10c	0	0.0840288	0	1	1
Rad9_j2	3.28477	3.62342	0	1	1
Ankrd13d_j6	6.00549	3.88106	0	1	1
Kdm2a_j1	2.19025	2.49734	0	1	1
AK134945_j2	0.0672585	0.090872	0.434118	0.751283	1
Bbs1	0.554967	0.944344	0	1	1
Dpp3_j4	0.000991018	3.18484	0	1	1
XLOC_017036	0.0801409	0.146279	0.868109	0.362286	1
Tmem151a_j2	0.0414266	0.153289	1.88762	0.295782	1
Sart1_j2	8.29661	10.3313	0.316424	0.0369273	0.212724
Snx32_j1	0.828944	1.01515	0.292342	0.156134	0.489534
Kat5	3.88774	3.60843	0	1	1
Sipa1_j1	0.461826	0.583866	0.338288	0.367061	0.700519
Sipa1	0.224971	0.28117	0.321707	0.467051	0.766531
Sipa1_j2	0	0.255133	1.79769e+308	0.0002443	0.0045319
Sipa1_j3	0.29711	0.503351	0.760566	0.053476	0.269225
Pcnxl3_j11	0.310947	0.459571	0.563616	0.11424	0.420612
Ehbp1l1_j1	0.196236	0.37563	0	1	1
Scyl1_j2	10.521	13.1173	0	1	1
Pola2_j1	0.321415	0.358128	0	1	1
Pola2_j5	0.0682705	0.0612846	0	1	1
Capn1_j2	16.1275	20.8394	0	1	1
1110014N23Rik_j3	5.41032	6.00753	0	1	1
Ppp2r5b_j4	2.76815	4.94175	0	1	1
Rps6ka4_j1	5.19132	5.37338	0	1	1
Ccdc88b_j3	0	0.190763	1.79769e+308	0.0231115	0.155673
Ccdc88b_j5	0.0771044	0.144494	0.906124	0.26497	1
Ccdc88b_j6	0.0300128	0.107275	1.83766	0.0236028	1

Kcnk4_j6	2.13727	2.53325	0	1	1
Kcnk4_j7	1.16596	1.8418	0	1	1
Gpr137	42.9826	42.4657	-0.0174517	0.855421	0.954239
Fkbp2_j2	7.33566	7.34164	0.00117539	0.996106	0.998923
Vegfb_j10	0	0.11842	1.79769e+308	0.189517	1
Vegfb_j11	0.0883354	0.329469	1.89908	0.142376	0.469059
Vegfb_j13	0.635533	0.523114	-0.28084	0.296807	0.643452
Vegfb_j12	0.190885	0.149279	-0.354691	0.453667	0.758165
Otub1_j2	22.2496	22.7411	0.0315182	0.777453	0.924734
Naa40_j5	0.0695114	0.282885	2.0249	0.0059272	0.0579278
Mark2_j5	8.99569	9.33024	0	1	1
Rtn3_j3	2.86949	4.5358	0	1	1
Polr2g_j2	19.0521	18.7044	0	1	1
Best1_j5	0.391743	0.160331	0	1	1
Fen1_j1	1.43975	1.2736	-0.176912	0.535666	0.80631
Gm98_j5	8.25E-05	0.266711	0	1	1
Dak_j4	1.14588	1.64751	0	1	1
Ms4a14_j2	0.0151818	0.0755903	2.31586	0.364179	1
A330040F15Rik_j3	0	0.0974962	1.79769e+308	0.0340371	1
A330040F15Rik_j2	0.0979258	0.102818	0.0703311	0.94152	1
Zfp91_j2	8.23874	8.35889	0	1	1
XLOC_017139	0.00983003	0.164772	4.06713	0.276998	0.626059
AK089615_j1	0.00433102	0.0618925	3.83698	0.403361	1
Mamdc2_j2	1.32914	1.14772	-0.211715	0.4545	0.758678
Pip5k1b_j3	2.86115	4.47706	0.645957	7.95E-05	0.0017655
Glis3_j1	0	0.116004	1.79769e+308	0.0028225	1
9930021J03Rik_j2	0.0300547	0.0617617	0	1	1
9930021J03Rik_j1	0.0562458	0.0989067	0	1	1
Asah2_j3	0.0719692	0.201655	1.48644	0.0157904	0.1192
Sgms1_j2	1.7346	1.58091	0	1	1
Lipo1_j3	0.708866	1.20088	0.760511	0.061593	0.293296
Lipa_j1	4.32962	5.00478	0	1	1
Gm14446	0.764626	1.03197	0	1	1
Slc16a12	0	0.238506	1.79769e+308	3.31E-06	0.0001185
Htr7_j2	0.253513	0.447754	0	1	1
Cpeb3_j5	0.4983	0	0	1	1
Cpeb3	0.677593	0.733109	0	1	1
Ide_j2	8.84516	8.04385	0	1	1
Noc3l_j1	2.70981	2.9134	0.104512	0.511055	0.791357
Sorbs1_j1	3.98302	0	0	1	1
Sorbs1_j2	0.685307	0.424488	0	1	1
Sorbs1_j3	2.93494	2.98326	0	1	1
Aldh18a1_j4	0.0738836	0.233112	0	1	1
Pik3ap1_j1	0.188909	0.421399	1.1575	0.0225646	0.153205
Pik3ap1_j3	0.140785	0.150292	0.0942799	0.863137	0.956634
Pik3ap1_j2	0	0.131752	1.79769e+308	0.0011953	1
Rrp12_j2	1.67193	2.04474	0.29041	0.069346	0.315721

Mms19_j3	14.6637	18.0905	0	1	1
Avpi1_j2	6.78031	10.007	0	1	1
Hps1_j7	0.170107	0 -1.79769e+308	0.0001363	0.002774	
Cox15_j1	0	0.0907433 1.79769e+308	0.0007769	1	
Dnmbp_j6	0	0.216267 1.79769e+308	1.65E-05	0.0004734	
Erlin1_j1	0	0.935764	0	1	1
Pkd2l1_j2	0	0.0657637 1.79769e+308	0.102753	1	
Pkd2l1_j3	0.0090072	0.152974	4.08607	0.131516	1
XLOC_017240	0.0440104	0.179681	0	1	1
Scd1_j1	47.3402	66.4668	0	1	1
XLOC_017248	0.150503	0.289076	0.941656	0.491971	0.780786
Fbxw4_j3	2.3793	3.22584	0.439137	0.218802	0.565038
Fbxw4_j4	3.70075	4.15372	0.166583	0.412453	0.731438
9130011E15Rik_j1	0.0596513	0.135298	0	1	1
Ldb1_j2	0	0.393051	0	1	1
Psd_j1	0.468143	0.37353	-0.325725	0.261633	0.610795
Actr1a_j2	55.4677	66.3268	0	1	1
Arl3_j1	0	0.642652 1.79769e+308	0.0040548	0.0433306	
Pcgf6_j2	0.0468837	0.407241	3.11873	0.0034067	0.0381007
Pcgf6	0.477547	1.13498	1.24895	0.0007562	0.0114442
Sorcs1_j1	1.20557	1.43947	0	1	1
XLOC_017270	0.570583	0.647221	0.181823	0.746649	0.911752
Afap1l2_j3	4.04839	5.8201	0	1	1
XLOC_017290	0.210596	0.217878	0.0490386	0.933551	0.979831
GDNFR-alpha_j4	1.63979	8.54961	0	1	1
4930506M07Rik_j1	2.04819	1.42798	0	1	1
Csf2ra_j8	0.0534266	0.0647533	0.277396	0.850318	1
Csf2ra_j7	0.391873	0.561952	0.520063	0.275962	0.624922
Csf2ra_j9	0.378774	0.461779	0.285866	0.563552	0.822689
Fam171a1	9.42598	8.02888	0	1	1
Fam171a1	2.28103	2.07643	0	1	1
Nmt2	5.52127	5.02019	0	1	1
Dclre1c	1.16285	0.777329	0	1	1
Cdnf_j2	0.289222	0.0757807	-1.93228	0.0082349	0.0742319
Cdnf	1.33556	1.07593	-0.31186	0.135318	0.457656
Fam107b	8.51015	7.07674	0	1	1
Fam107b_j3	0.997765	0	0	1	1
Frmd4a_j2	1.11928	1.104	0	1	1
Frmd4a_j1	0.634478	0.506822	0	1	1
Frmd4a_j7	5.30522	5.02696	0	1	1
Bend7_j1	0.0533378	0 -1.79769e+308	0.0106549	1	
Bend7	0.221599	0.0024331	-6.50901	0.126218	0.442417
Bend7_j5	0.334881	0.115712	-1.53311	0.0444281	0.240435
Sephs1	3.00154	2.92738	-0.036093	0.801222	0.933726
Sephs1_j3	0.188861	0 -1.79769e+308	0.0020191	0.0251765	
Phyh	27.9064	26.7515	-0.0609735	0.539479	0.808383
Ccdc3	0.366732	0.837952	1.19214	6.89E-06	0.0002242

Upf2	2.25867	2.25551	0	1	1
Upf2_j4	1.1983	1.12278	0	1	1
Usp6nl	2.10084	1.56206	0	1	1
Usp6nl_j2	0.202707	0.0516734	0	1	1
Itih5	8.8715	8.06374	-0.137729	0.148541	0.477406
Sfmbt2_j1	0.13572	0.024668	-2.45992	0.0949373	1
Prkcq	6.34151	4.27838	0	1	1
Prkcq_j1	1.16042	0.709485	0	1	1
Prkcq_j4	2.5466	2.81019	0	1	1
Il15ra	0.438435	0 -1.79769e+308		7.25E-08	4.08E-06
Il15ra_j1	0.434695	0.481132	0.146428	0.732862	0.905765
Il15ra_j4	0.250619	0.243632	-0.0407957	0.963362	0.989786
Il15ra_j6	0.0248427	0.111625	2.16776	0.250209	1
Ankrd16_j6	0.490578	0.410411	0	1	1
Ankrd16_j5	0.235324	0.14353	0	1	1
Ankrd16_j4	1.28519	1.37831	0	1	1
Pter_j2	0.206064	0.194444	-0.0837391	0.897494	0.967361
Vim_j3	0.748251	0.852655	0.188439	0.644924	0.863026
Vim	258.158	310.984	0.268584	0.0024252	0.0291436
Vim_j7	0.202621	0 -1.79769e+308		0.0217142	0.149093
Stam	7.93237	8.5389	0	1	1
Mrc1	0.942551	1.89724	1.00926	6.65E-09	4.84E-07
Cacnb2_j3	0.449068	0.405754	-0.146328	0.66465	0.873063
Arl5b	1.58995	1.24846	0	1	1
Gm13368	1.39336	1.49719	0.10369	0.77721	0.924662
Plxdc2	0.557146	0.619836	0.153833	0.476563	0.772209
Mllt10_j5	0.864165	0.414464	-1.06006	1.93E-05	0.0005401
Commd3_j1	4.06871	4.54291	0.159047	0.61432	0.847685
Commd3	36.6907	38.3726	0.0646606	0.546281	0.81297
Bmi1	1.40889	1.3506	0	1	1
Bmi1_j4	4.31308	4.22067	0	1	1
BC061194_j3	0.124986	0.114305	-0.128877	0.872538	1
AK076779_j4	0.121028	0.0919386	-0.396594	0.70409	1
AK076779_j3	0.0595553	0 -1.79769e+308		0.0388812	1
AK076779_j1	0.0945954	0.0747306	-0.34007	0.783219	1
AK076779_j2	0.123254	0 -1.79769e+308		0.0054429	1
Msrp2	20.3442	19.1919	-0.0841208	0.488057	0.778581
Etl4_j1	0.904944	0.576323	0	1	1
Etl4_j3	1.70881	0.896069	0	1	1
Etl4_j6	3.51835	2.99773	0	1	1
Etl4_j10	0.292373	0.145877	0	1	1
Gm13375_j2	0.910117	0.758426	0	1	1
Gm13375	4.20442	3.32542	0	1	1
Thns1	1.35387	1.65018	0.28553	0.318796	0.66209
Thns1	3.51004	4.06383	0.211352	0.141673	0.46823
Thns1_j2	0.295818	0 -1.79769e+308		1.80E-07	9.02E-06
Gpr158	11.3058	11.0391	-0.0344327	0.714479	0.89656

Apbb1ip	0.130947	0.106024	-0.304596	0.704876	1
Acbd5_j3	5.11211	4.01356	0	1	1
Acbd5_j2	20.9354	17.9272	0	1	1
Yme1l1_j4	0.600091	0.930107	0	1	1
Psd4_j1	0.484317	0.306317	-0.660926	0.0381046	0.216941
Zmynd19	3.79025	4.1715	0	1	1
Pnpla7_j2	0.419285	0.289978	-0.531987	0.127249	0.444464
Pnpla7_j5	0.418572	0.24567	-0.768754	0.0836335	0.352592
Nelf	0.558516	0.532848	0	1	1
Nelf	0.743585	0.727223	0	1	1
Nrarp	8.1301	6.86006	-0.245052	0.0590471	0.28563
Tprn	4.91205	4.92929	0.00505544	0.969673	0.99148
Anapc2	9.32038	9.11778	-0.0317051	0.713546	0.896209
Man1b1	20.5848	21.4997	0.0627337	0.532245	0.804111
Npdc1_j1	143.381	163.24	0.187141	0.029613	0.184175
Fut7_j2	0.12197	0.0649845	-0.908355	0.463998	1
Fut7_j1	0.108098	0.142886	0.402521	0.645341	1
Abca2	14.5352	3.08158	-2.23781	0	0
Abca2_j9	2.22852	0.0117179	-7.57122	0.0001975	0.0037992
Clic3_j1	0.450413	0.489325	0.119545	0.666221	0.873541
Fbxw5_j1	0.449285	0 -1.79769e+308		7.84E-06	0.000251
Edf1	2.10856	1.85479	-0.185003	0.582171	0.832693
Edf1_j1	1.20958	1.05022	-0.20381	0.654903	0.868233
Kcnt1_j3	3.60294	2.46368	0	1	1
Kcnt1_j6	1.99327	1.42974	0	1	1
Gpsm1_j1	0.177124	0.0977228	0	1	1
Pmpca_j3	1.17179	1.16163	0	1	1
Egfl7	3.88974	3.58685	-0.116958	0.631583	0.85674
Egfl7	16.6175	16.4967	-0.0105282	0.937231	0.980745
Fam69b	18.3887	16.0943	-0.192266	0.122707	0.436069
5930434B04Rik	0.762483	0.626891	0	1	1
Adamtsl2_j1	0.166833	0.0418861	-1.99386	0.0509965	0.261718
Adamtsl2_j5	0.143536	0.215613	0.58703	0.40171	0.724971
BC094334	4.12157	4.08325	-0.0134755	0.940232	0.981805
Wdr5	7.11981	7.72144	0.11703	0.323501	0.666549
BC050122_j2	0.133476	0.284981	1.09429	0.0189989	0.136135
Rxra	3.39304	2.08281	0	1	1
Rxra_j2	1.02646	0.158413	0	1	1
Col5a1_j1	0.749131	0.798804	0	1	1
F730016J06Rik_j5	0.109908	0.0245244	-2.164	0.0194825	1
Olfm1	103.371	95.8192	0	1	1
Olfm1_j2	2.95922	3.73061	0	1	1
XLOC_017966	0.282844	0.149236	-0.922412	0.191044	0.533209
Mrps2	9.36463	8.81519	-0.0872306	0.455979	0.759645
Gbgt1_j3	0.0493328	0.0256989	-0.940841	0.610895	1
Ralgds	3.46809	3.98951	0	1	1
Ralgds	6.38417	6.89538	0	1	1

Tsc1	0.648658	0.367199	0	1	1
Tsc1	0.116819	0.200602	0	1	1
Ak8	0.330474	0.220369	-0.584617	0.307889	0.652963
Ttf1_j6	0.151102	0.104544	-0.531416	0.38884	0.716173
Ttf1_j8	1.0404	1.07422	0.0461445	0.878325	0.961084
Setx	1.91796	1.56675	-0.291798	0.0292023	0.182342
Med27	10.3032	9.80504	-0.0714955	0.606575	0.845067
Med27_j3	11.5253	11.238	-0.0364238	0.834621	0.946855
Rapgef1_j1	0.675105	0.263493	0	1	1
Rapgef1_j11	0.609191	0.600591	0	1	1
Rapgef1_j12	1.436	1.9182	0	1	1
Coq4	4.29739	4.65611	0.115664	0.428574	0.742435
Slc27a4	39.8567	40.8361	0	1	1
Urm1	11.8032	15.1272	0	1	1
Odf2_j1	0.218251	0.172294	-0.341119	0.551569	0.815852
Odf2_j3	0.0477916	0.139085	1.54114	0.051384	1
Odf2_j15	2.39333	2.47267	0.0470487	0.839265	0.948853
Gle1	12.2289	12.0905	-0.0164285	0.877423	0.96086
Spna2	23.2087	7.99493	0	1	1
Spna2_j5	22.8357	20.5016	0	1	1
Tbc1d13	20.4742	19.5015	-0.0702211	0.454486	0.758678
Tbc1d13_j1	3.42472	3.51838	0.0389244	0.811419	0.938053
Slc39a1-ps	2.87938	3.62334	0.33156	0.124546	0.439858
Endog_j1	1.92936	1.93639	0	1	1
Lrrc8a_j2	7.6723	5.09829	0	1	1
Fam73b	14.1799	11.5002	-0.30219	0.0089573	0.0788679
Ppp2r4	1.01046	0.279463	0	1	1
Ppp2r4_j4	0.642129	0.265678	0	1	1
Cstad	0.287934	0.180242	-0.675801	0.387526	0.715266
Mettl11a_j1	2.46407	2.65022	0.105071	0.417839	0.734891
Usp20_j1	11.4394	6.91921	0	1	1
Gpr107	2.19514	2.07306	-0.0825493	0.438296	0.748108
Ncs1	5.51559	5.33539	0	1	1
Ncs1_j1	9.3616	7.64557	0	1	1
Ncs1_j2	15.4915	19.8799	0	1	1
Ass1_j1	0.137115	0.0417691	-1.71488	0.528337	0.801996
Ass1_j2	0.624257	0.109084	-2.51669	0.127666	0.445344
Ass1_j6	2.09005	2.59694	0.313274	0.400252	0.723786
Fubp3	4.33047	3.09969	0	1	1
Fubp3_j3	0.882764	0.775195	0	1	1
Fubp3	0.411153	1.13367	0	1	1
Fubp3_j6	0.319544	0	0	1	1
Prdm12_j1	7.18946	5.02025	0	1	1
Prdm12_j5	21.5382	19.0452	0	1	1
Exosc2	8.68795	9.90251	0.188779	0.166925	0.503257
Abl1	1.11577	1.08487	-0.0405137	0.812988	0.938881
Abl1	0.0780445	0.0871	0.158376	0.775444	1

Abl1_j2	0.0908564	0.0853353	-0.0904446	0.901234	1
Lamc3_j2	0.226363	0	-1.79769e+308	7.22E-07	3.13E-05
Lamc3_j3	0.236154	1.86E-05	-13.6326	0.94689	0.984306
Aif1l	5.93938	5.53262	-0.10235	0.416526	0.733896
Nup214_j2	2.44172	2.46119	0.0114534	0.934261	0.979958
Ppapdc3	7.20811	7.24558	0.0074802	0.956893	0.987617
Prrc2b	11.5717	10.3903	-0.155363	0.0880313	0.363224
Prrc2b_j1	2.97811	2.75568	-0.111992	0.441747	0.750327
Pomt1	1.95692	2.10738	0.106863	0.430714	0.743283
Gm13611	43.3175	53.0272	0.291781	0.021404	0.147524
Ciz1_j6	2.50026	2.38694	0	1	1
Ptges2_j1	1.75205	1.51764	-0.207217	0.445959	0.753304
Ptges2_j3	0.341244	0.397313	0.219474	0.809808	0.937853
Naif1	0.907739	0.831838	-0.125975	0.597373	0.840279
Naif1_j1	0.903432	1.12998	0.32281	0.239048	0.586151
Fam102a_j1	0.128778	0	-1.79769e+308	2.43E-06	1
St6galnac4_j2	2.12453	3.44044	0.69545	1.99E-05	0.0005525
St6galnac6	23.678	22.4454	-0.0771288	0.432853	0.744519
Ak1	9.02484	7.28393	0	1	1
Ak1	13.0572	14.7334	0	1	1
Eng	0.449703	0.436852	-0.0418301	0.872571	0.959686
XLOC_018024	0.24607	0.21364	-0.203887	0.602266	0.842795
Tor2a	2.81858	3.81294	0.435938	0.0065316	0.0624382
XLOC_018026	0.297613	0.278697	-0.0947419	0.846616	0.951509
Angptl2	2.95554	4.18292	0	1	1
Gm13530	0.351618	0.185063	-0.925989	0.168329	0.504956
Mapkap1_j1	1.87829	2.60876	0	1	1
Mapkap1	5.33277	5.09809	0	1	1
Mapkap1_j3	8.16176	7.29331	0	1	1
Hspa5	4.07951	4.2087	0	1	1
Gsn	11.7826	13.9309	0	1	1
Gsn_j3	1.80217	2.44428	0	1	1
Gsn	39.4666	53.8367	0	1	1
Dab2ip	1.65482	0.821799	0	1	1
Dab2ip_j5	4.60058	4.20762	0	1	1
Dab2ip_j6	2.48733	2.27291	0	1	1
Mrrf	1.82962	1.15261	0	1	1
XLOC_018042	0.128061	0.0702878	0	1	1
Rabgap1	8.08085	4.51487	0	1	1
XLOC_018045	0.19714	0.0804861	-1.29241	0.25873	0.60751
Olfml2a	4.83266	4.89003	0.0170241	0.8641	0.95675
Arcp5l	7.7686	7.50394	-0.0500058	0.613284	0.84748
Arhgap15_j4	5.1624	5.02643	-0.038508	0.824771	0.943424
Arhgap15_j5	0.778527	0	-1.79769e+308	6.78E-08	3.87E-06
Acvr2a	2.01588	1.93911	0	1	1
Mbd5_j3	2.78361	2.38946	0	1	1
Epc2_j1	2.36408	2.27057	-0.058229	0.733322	0.905875

Epc2	0.112034		0 -1.79769e+308	0.0002428		1
Kif5c_j1	18.8255	14.4343		0	1	1
Kif5c_j3	7.90166	11.1244		0	1	1
Kif5c_j8	13.123	5.57794		0	1	1
Lypd6b_j1	1.04365	1.40101		0.42483	0.135725	0.458381
Lypd6b_j8	0.135687	0.000203192		-9.38322	0.874185	1
Lypd6b_j10	0.11466		0 -1.79769e+308	0.0098837		1
Lypd6	0.51848	0.722029		0	1	1
Lypd6_j1	0.351668	0.291001		0	1	1
Lypd6_j3	0.647097	0.367204		0	1	1
AK045825_j1	0.392621	0.320249		-0.293945	0.603388	0.843376
XLOC_018066	0.188216	0.2483		0.399692	0.672297	0.876227
XLOC_018066	0.196665	0.437973		1.1551	0.13881	0.463325
Tnfaip6	0.712235	0.757389		0.0886828	0.756012	0.915846
Rif1_j4	0.162599	0.0316155		-2.36261	0.0019872	0.0248414
Gm13540	13.0326	15.7844		0	1	1
XLOC_018073	0.129126	0.0527406		-1.2918	0.327184	1
Fmnl2_j2	3.34776	3.82675		0.192922	0.197774	0.540712
Fmnl2_j7	1.54878	1.67182		0.110283	0.720174	0.899588
Arl6ip6	0.174113	0.132566		-0.393306	0.567028	0.82484
Arl6ip6	0.367484	0.699251		0.928127	0.0049004	0.0499353
Gm13503	3.45969	3.28823		-0.0733336	0.78862	0.929506
XLOC_018077	0.393231	0.17594		0	1	1
Galnt13	0.203078	0.212912		0.0682242	0.85088	0.952632
Galnt13_j4	5.97565	4.45853		-0.422529	0.0001142	0.0024074
AK036371_j2	0.0798715	0.0639176		-0.321467	0.671838	1
XLOC_018081	0.174038	0.0892096		0	1	1
Kcnj3_j7	0.358745	0.000108306		0	1	1
Kcnj3_j6	1.21164	1.01118		0	1	1
Kcnj3_j8	0.588318	0		0	1	1
Gpd2	5.55533	4.63453		0	1	1
Gpd2_j1	0.2607	0.289888		0	1	1
Galnt5	3.55171	3.17027		-0.163907	0.135855	0.458613
Galnt5_j2	2.06542	1.47616		-0.484584	0.0159935	0.120344
Upp2_j10	0.32929	0.204928		-0.684238	0.110548	0.413801
Upp2_j14	1.13159	0.649391		-0.801197	0.0230707	0.155463
Pkp4	6.37524	6.69771		0.0711879	0.529857	0.802757
Dapl1	0.30092	0.198703		-0.598769	0.429141	0.742566
Tanc1_j1	2.05646	1.42758		0	1	1
Tanc1_j6	0.282347	0.825795		0	1	1
Tanc1_j9	1.24007	1.13504		0	1	1
March7_j1	2.48954	3.19793		0	1	1
March7	9.46016	7.37512		0	1	1
Tank_j5	0.368606	0.664722		0.850669	0.175856	0.514347
Tank_j4	0.0835728		0 -1.79769e+308	0.0468529		1
Tank_j3	0.275609	0.0961271		-1.51961	0.23532	0.58252
Psm14	50.7561	47.2292		0	1	1

Slc4a10_j2	0.109452	0.015064	-2.86112	0.0326081	1
Slc4a10_j1	0.236542	0.156912	-0.592145	0.19742	0.540321
Slc4a10_j5	0.0654361	0.164306	1.32822	0.0465317	0.247371
Gca_j2	0.262609	0.279345	0	1	1
XLOC_018100	0.102248	0.0522848	-0.967606	0.454515	1
AK007819	0.196006	0.0541387	-1.85616	0.112461	0.41729
Scn2a1_j9	0.0804503	0 -1.79769e+308		0.0001773	1
Scn2a1_j12	0.719381	0.586489	-0.29465	0.338321	0.678723
Csrnp3	0.635192	0.407526	0	1	1
Csrnp3_j2	0.622802	0.348467	0	1	1
Csrnp3	0.704594	0	0	1	1
Csrnp3_j4	0.190241	0.0663674	0	1	1
Gm13630_j4	0.114958	0.140759	0	1	1
Gm13602	2.34103	3.05363	0.383382	0.226462	0.573564
Gm13597	19.2128	24.0647	0.324856	0.0041756	0.0442527
Lass6_j2	3.45898	4.18719	0.275635	0.0151981	0.116007
Nostrin	0.597	0.624212	0.0643046	0.835204	0.946964
Bbs5	5.50035	5.03261	-0.128217	0.426654	0.741282
Ppig_j2	0.0662448	0	0	1	1
Ppig	1.3104	1.06045	0	1	1
Klhl23_j2	0.354989	0.455228	0.358814	0.348085	0.686627
Klhl23	0.183638	0.0217468	-3.07799	0.0093264	0.0814163
Ssb	26.7484	29.2493	0	1	1
Ssb	4.06722	1.46536	0	1	1
Ubr3	14.0108	12.6046	-0.15259	0.116383	0.424447
Ubr3_j5	12.5066	11.7327	-0.0921647	0.469694	0.76771
Rpl9-ps7	89.0145	101.056	0.18304	0.0525647	0.266344
Gorasp2	17.6483	16.0908	0	1	1
Dcaf17	0.699154	0.75406	0.109069	0.54532	0.81223
Cybrd1	2.0418	1.78056	-0.197511	0.223487	0.570621
Dync1i2	74.0132	80.109	0	1	1
Dync1i2_j7	1.37281	4.37348	0	1	1
Hat1	6.87691	5.88345	-0.225098	0.152698	0.484619
Hat1_j1	2.90574	2.59037	-0.165748	0.560438	0.821119
Metap1d	1.94923	0.801525	-1.28209	0.0080026	0.0725503
Metap1d_j6	5.07536	5.15862	0.0234758	0.889567	0.964965
AK144798_j1	0.187261	0.0840897	-1.15505	0.0742201	0.328448
Pdk1_j2	0.0683139	0	0	1	1
Pdk1	3.47649	3.27466	0	1	1
Rapgef4	3.76819	3.78405	0	1	1
Rapgef4_j2	21.6004	20.9401	0	1	1
Rapgef4_j4	15.3612	12.8543	0	1	1
B230120H23Rik	1.68209	2.08552	0.310146	0.0503576	0.259477
Cdca7_j1	0.30517	0.0383112	-2.99377	0.224233	0.571444
Cdca7_j3	0.104947	0.0884423	-0.246858	0.827405	1
Scrn3	5.79658	4.01929	0	1	1
AK029663	0.104001	0.149049	0.519188	0.477105	1

Gm13705	1.18227	0.720822	-0.713846	0.157894	0.492102
XLOC_018147	0.27454	0.257169	-0.094302	0.821287	0.942238
Mtx2	11.3852	9.8766	-0.205076	0.196983	0.539845
XLOC_018152	0.177251	0.0165394	-3.42182	0.262267	0.611336
XLOC_018152	0.133622	0.105504	-0.340859	0.580591	1
XLOC_018152	0.143666	0.00834433	-4.10578	0.334122	0.674914
XLOC_018152	0.279023	0.185349	-0.590142	0.0518151	0.263999
Hrnnpa3_j1	17.0371	18.7016	0	1	1
Agps	3.73889	2.31245	0	1	1
Rbm45	8.0762	9.24714	0.195331	0.105209	0.402703
Osbpl6	0.744546	0.287617	0	1	1
Osbpl6_j1	0	0.334082	0	1	1
Plekha3	1.21087	0.860667	-0.492519	0.163049	0.498226
Ube2e3	14.7097	14.7332	0	1	1
Ube2e3_j3	0.133922	0	0	1	1
Ube2e3_j5	1.01481	0.70279	0	1	1
Itga4_j1	0.120287	0 -1.79769e+308		0.0138558	1
Itga4_j4	0.115621	0 -1.79769e+308		1.56E-06	1
XLOC_018167	0.124587	0.0320861	0	1	1
Ssfa2	1.16582	0.908889	0	1	1
Ppp1r1c	31.6518	25.4829	-0.312757	0.0037955	0.0413312
Ppp1r1c_j2	0.361527	0.0789368	-2.19533	0.0108123	0.0906686
Dnajc10	24.7008	23.7225	-0.0583018	0.518035	0.796161
Nup35_j3	0.132212	0.066987	-0.980899	0.354706	1
Nup35_j5	0.118711	0.0715887	-0.729646	0.441595	1
Zfp804a_j1	0.117084	0	0	1	1
Zfp804a	1.01464	0.475742	0	1	1
Gm13675	4.51264	4.26091	-0.082811	0.744433	0.910803
Zc3h15	19.1195	19.6656	0.0406293	0.70634	0.8928
Itgav_j1	0.321388	0.22456	0	1	1
Fam171b	10.5699	8.17634	0	1	1
Med19_j1	5.60817	6.30061	0	1	1
Ypel4_j1	4.91516	6.21489	0.338492	0.0334639	0.199836
Ypel4	13.4732	12.3172	-0.129412	0.288295	0.636107
Ube2l6	10.981	11.1743	0.0251777	0.830851	0.945436
Timm10	20.5698	21.6341	0.0727775	0.567465	0.824883
Slc43a3_j3	0.730318	0.890568	0.2862	0.463845	0.764328
Slc43a3	16.1432	14.7975	-0.125572	0.256618	0.605481
Tnks1bp1_j1	3.32778	2.99692	-0.151077	0.298644	0.645349
Tnks1bp1	4.44016	3.92487	-0.177967	0.176474	0.515213
Tnks1bp1_j6	11.0109	13.5997	0.304645	0.0040913	0.0436312
Aplnr	1.05175	1.07341	0.0294087	0.883111	0.962848
Gm1826	2.12053	2.51162	0.244194	0.263281	0.612179
Fnbp4	1.10724	0.247475	0	1	1
Fnbp4_j6	1.18869	1.12737	0	1	1
Agbl2_j2	0.0730496	0.0535915	-0.44687	0.792053	1
Mtch2	9.02497	6.91755	0	1	1

Kbtbd4_j2	0.811027	0.681176	-0.251722	0.20172	0.545317
Kbtbd4_j1	0.0222813	0.0645292	1.53412	0.0632166	1
Celf1	9.37887	9.69477	0.0477928	0.656278	0.86886
Psmc3_j2	2.089	2.24555	0	1	1
Psmc3_j3	10.3558	8.41997	0	1	1
Sfpi1_j2	0.401199	0.828506	1.0462	0.0378021	0.2158
Sfpi1	0.641643	1.34394	1.06663	0.0014898	0.0196365
Acp2	6.02261	5.73785	0	1	1
Pacsin3	0.993743	1.16565	0	1	1
Pacsin3	0.377551	0.416846	0	1	1
Pacsin3	0.387266	0.355072	0	1	1
Pacsin3_j4	0.633521	0.726997	0	1	1
Pacsin3_j5	2.40179	2.21022	0	1	1
Lrp4_j5	0.183873	0.0983361	-0.902912	0.0905874	0.36964
Ckap5_j1	4.57004	3.30639	-0.466951	0.0006955	0.0106669
Ckap5_j3	30.5574	27.0562	-0.175565	0.0434108	0.236471
Ckap5_j4	1.52906	1.57497	0.0426838	0.822423	0.942695
Arhgap1	0.235709	0.196755	0	1	1
Harbi1_j1	0.0758806	0.0617612	-0.297029	0.719309	1
Harbi1	0.347687	0.425801	0.29239	0.339686	0.679917
Ambra1_j2	2.98722	2.25774	0	1	1
Ambra1	4.33885	3.9461	0	1	1
Ambra1	1.6188	2.19322	0	1	1
Ambra1_j4	5.2114	6.66161	0	1	1
Ambra1_j6	3.86524	3.87484	0	1	1
AK039132	2.82753	1.7463	-0.695241	0.0001026	0.0022056
Phf21a_j1	0.719443	0.00033693	0	1	1
Phf21a_j14	0.884832	0	0	1	1
Pex16_j2	1.32882	1.32505	0	1	1
Chst1	1.7696	2.77193	0	1	1
Syt13	0.550109	0.41219	-0.416406	0.101998	0.39572
Trp53i11	0.273548	0.300701	0	1	1
XLOC_018225	0.234381	0.0436632	-2.42436	0.313014	0.657381
Lrrc4c	3.97619	2.91925	-0.44579	0.0018201	0.0232121
XLOC_018226	0.132772	0	-1.79769e+308	0.0024916	1
Traf6	1.19698	1.0214	0	1	1
Traf6	1.22083	1.29707	0	1	1
Commd9	25.8877	26.372	0.0267411	0.805802	0.935848
Apip_j1	4.24953	4.72159	0.15197	0.527148	0.801435
Apip	7.22523	7.57892	0.0689485	0.711832	0.895422
Apip_j2	1.06591	1.40879	0.402375	0.450029	0.755874
Abtb2	4.9169	3.88582	0	1	1
Lmo2	1.93689	2.02583	0	1	1
Lmo2	1.56536	1.16746	0	1	1
Fbxo3_j1	8.44182	7.24562	-0.220446	0.207014	0.551484
Fbxo3	22.5629	18.9928	-0.248496	0.012676	0.102195
Cd59a	21.0958	25.7094	0	1	1

AK015665_j1	0.31618	0.42161	0.415162	0.39529	0.720455
AK015665_j7	0.0858608	0.021731	-1.98224	0.266055	1
AK015665_j6	0.232487	0.343732	0.564136	0.326123	0.669404
AK015665_j11	0.158841	0.249781	0.653076	0.200282	0.543585
Cstf3	1.98993	1.36948	0	1	1
XLOC_018242	0.348286	0.376973	0.11419	1	1
O610012H03Rik	0.356712	0.167647	-1.08933	0.120098	0.431454
XLOC_018249	0.193407	0.0482204	-2.00392	0.126144	0.442326
Gm14013	10.4639	11.545	0.141845	0.573761	0.827772
Dcdc5_j1	0.147743	0.0467329	-1.66058	0.173966	0.512046
Mpped2	0.700656	0.498715	0	1	1
Mpped2_j1	5.92799	3.75104	0	1	1
Mpped2_j4	1.15082	0.542369	0	1	1
Kcna4_j2	0.959402	1.15487	0	1	1
Kcna4	3.02315	2.31522	0	1	1
Kif18a_j1	0.0756192	0.0905247	0.259559	0.756248	1
Kif18a	0.312153	0.19118	-0.707319	0.121053	0.433162
Bdnf	3.43	3.8725	0	1	1
Bdnf	5.78445	6.20921	0	1	1
Lin7c	10.2934	10.0887	-0.0289833	0.78459	0.92757
Lgr4	7.43079	5.536	0	1	1
Ccdc34	0.858605	0.648687	-0.404472	0.204961	0.549271
Lpcat4	38.4566	30.443	-0.337119	0.0004333	0.007219
Nop10	40.522	42.6977	0.0754515	0.447849	0.754581
Slc12a6_j3	8.51711	8.14861	0	1	1
Slc12a6_j4	0.264624	0 -1.79769e+308		0.015485	0.117492
Slc12a6_j5	0.0992231	0.0480863	-1.04505	0.368703	1
2900064A13Rik	13.0607	12.7093	-0.0393437	0.671367	0.875764
Aven	7.36286	7.50851	0.028261	0.817956	0.940936
Fmn1	0.263015	0.113845	0	1	1
Fmn1_j1	1.20043	1.22413	0	1	1
A530058N18Rik	0.407635	0.135708	-1.58678	0.0393707	0.221682
A530058N18Rik	0.161865	3.14E-05	-12.3302	0.984712	0.995478
C130080G10Rik_j1	0.0985225	0.0883413	-0.157366	0.905476	1
BC052040_j1	0.40601	0.513772	0.339614	0.410753	0.730416
BC052040	1.44021	1.04782	-0.458887	0.053586	0.269557
AK083230_j5	0.195451	0.155305	-0.331699	0.614062	0.847685
AK083230_j4	0.078501	0.114766	0.547911	0.544676	1
Spred1	12.9745	10.9431	-0.24566	0.0087674	0.0776917
Fam98b	11.8376	11.2324	-0.075704	0.575183	0.828142
Thbs1_j4	0.0468493	0.00758459	-2.62689	0.164505	1
Eif2ak4	1.32283	1.22659	0	1	1
Bub1b_j1	1.10368	0.708135	-0.640227	0.0021538	0.0264365
Bub1b	0.0557163	0.180524	1.69602	0.0241985	0.160606
5430417L22Rik	2.85181	2.59069	-0.138539	0.372127	0.705073
Disp2	17.1098	12.435	0	1	1
Disp2_j3	15.1906	15.5661	0	1	1

Disp2_j5	24.3962	30.1373	0	1	1
D2Ert750e	0.23694	0.260006	0.134023	0.718407	0.898627
D2Ert750e_j2	0.0587454	0.0317285	-0.888697	0.478246	1
Ivd	7.97397	7.01884	-0.184065	0.104196	0.400425
Bahd1	9.44673	9.53408	0.0132791	0.900719	0.968396
Rpsd2	1.10589	1.11166	0.00749912	0.963745	0.989792
Rad51	0.465423	0.209018	-1.15492	0.021712	0.149093
Gchfr	0.444018	0.521761	0.23277	0.649954	0.865569
Zfyve19	3.3641	4.09027	0	1	1
Zfyve19_j4	0.123787	0.343571	0	1	1
Vps18	12.9206	12.242	-0.0778264	0.442174	0.750452
Dll4	0.579202	0.486337	-0.252111	0.381645	0.71199
Chac1	4.26587	6.85771	0.684888	2.19E-05	0.0005956
Chac1_j2	3.13016	5.78651	0.886455	8.03E-05	0.0017797
1500003O03Rik	12.0874	9.8309	0	1	1
1500003O03Rik_j1	13.245	11.1457	0	1	1
Nusap1	0.161618	0.154479	-0.0651755	0.864111	0.95675
Rtf1	8.11596	8.24251	0.0223218	0.829977	0.945085
Tyro3	12.392	12.1694	-0.0261469	0.797047	0.932581
Mapkbp1_j4	0.447064	0.447577	0.001654	0.995396	0.998726
Mapkbp1_j5	0.0860435	0.0370689	-1.21486	0.209073	1
Pla2g4b_j2	0.152889	0.0453937	-1.75192	0.110869	0.414403
Pla2g4b_j3	0.61747	0.414501	-0.574996	0.187246	0.528218
Pla2g4b_j5	0.186432	0.0504357	-1.88613	0.156392	0.4898
Capn3_j1	1.00892	0.844464	0	1	1
Capn3_j7	0.0618843	0 -1.79769e+308	0.0454695	0.0454695	1
Snap23_j1	0.563157	0.627619	0	1	1
Snap23	0.751917	0.932604	0	1	1
Snap23_j3	0.394215	0.308445	0	1	1
Haus2	0.918395	0.859096	0	1	1
Stard9_j1	0.192986	0.06953	0	1	1
mKIAA1300_j1	0.241972	0.269797	0	1	1
XLOC_018324	0.223191	0.189935	0	1	1
mKIAA1300_j5	0.598854	0.571738	0	1	1
Tmem62	0.643856	0.206435	-1.64105	0.0058139	0.057084
Ccndbp1	43.8073	43.4656	-0.0112986	0.904135	0.9694
Ckmt1	79.5537	58.0821	0	1	1
Ckmt1	57.153	40.2934	0	1	1
Pdia3	75.7169	77.2219	0.0283951	0.740081	0.908917
Wdr76_j3	0.0904697	0 -1.79769e+308	0.0633906	0.0633906	1
Casc4_j1	0.208083	0.153909	0	1	1
Casc4	6.54878	5.01026	0	1	1
Ctdspl2	0.262893	0.15685	-0.745089	0.108374	0.409368
Ctdspl2_j2	0.05679	0 -1.79769e+308	0.0022269	0.0022269	1
Eif3j_j1	0.358266	0.331306	-0.112868	0.886934	0.964085
Eif3j_j2	0.179316	0.10909	-0.716982	0.477196	0.772633
B2m	34.954	34.6298	-0.0134445	0.879635	0.961523

Sord_j1	0.21005	0.162204	-0.372925	0.394989	0.720135
Spata5l1	0.787191	0.948475	0.268897	0.247301	0.594858
AA467197	0.148158	0.184861	0.319298	0.784199	0.927408
Pldn	3.40287	2.93539	-0.2132	0.206378	0.550869
pa	0.138265	0.174559	0.336282	0.604586	0.843983
Sqrdl	2.89378	3.42973	0.24514	0.183541	0.524115
Ctxn2_j2	0.322272	0.22371	-0.52665	0.650716	0.865956
Ctxn2_j4	0.431131	0.313041	-0.461778	0.444418	0.752113
Dut	0.774244	0.651919	-0.248096	0.496157	0.783139
Dut	4.9302	3.78541	-0.381195	0.0142927	0.111133
Fgf7	0.317258	0.0945591	-1.74637	0.0856723	0.357343
Dtwd1	1.35235	1.35972	0.00784081	0.979282	0.993977
Dtwd1_j1	0.00480804	0.534744	6.79725	0.19321	0.535528
Usp8	14.8227	11.5937	0	1	1
Usp8_j2	0.102765	0.0245213	0	1	1
Ap4e1	2.10715	1.77771	0	1	1
Blvra_j3	0.710745	0.863082	0	1	1
Snrnp200_j2	5.42544	4.22938	0	1	1
Tmem127	3.53913	3.15323	0	1	1
Stard7	6.44818	5.96484	-0.112409	0.377618	0.709363
Mrps5_j1	4.49593	4.24014	-0.0845061	0.531964	0.803902
Bcl2l11	0.154204	0.102197	-0.593488	0.342284	0.68209
Bcl2l11	0.0992594	0.130963	0.399877	0.517861	1
Mertk_j1	1.27215	1.04951	-0.277551	0.194403	0.536757
Mertk_j4	0.551314	0.51222	-0.106112	0.794422	0.931431
Tmem87b_j1	1.82812	1.59977	-0.192496	0.269643	0.618744
Tmem87b_j3	4.49614	3.85288	-0.222751	0.248098	0.595431
Fbln7_j5	0.0489274	0 -1.79769e+308		0.0477662	1
Fbln7_j6	0.224109	0.156957	-0.513829	0.465217	0.765114
Fbln7_j8	0.103697	0 -1.79769e+308		0.008261	1
Zc3h6	0.739943	0.262622	-1.49442	2.55E-06	9.42E-05
Ttl	77.7225	75.288	-0.045913	0.595062	0.838618
Polr1b	1.32567	1.54491	0.220795	0.264932	0.613821
Polr1b_j1	0.323295	0.446839	0.466902	0.222334	0.569453
Chchd5	5.19887	5.30543	0.0292726	0.855097	0.954157
Slc20a1	9.1232	8.73663	-0.0624634	0.539502	0.808383
Slc20a1_j3	0.0495916	0 -1.79769e+308		0.102669	1
Sirpa	6.6896	6.48588	-0.0446181	0.77007	0.92169
Stk35_j1	0.811854	0.711466	-0.190426	0.352386	0.689283
Stk35	0.724878	0.676922	-0.0987486	0.649177	0.865184
Stk35_j3	3.82415	4.22458	0.143668	0.284206	0.632886
Nop56_j1	0.107212	0.0568561	-0.915073	0.12371	1
Ebf3_j1	0.583928	0.677508	0	1	1
Ebf3_j7	1.75738	1.97733	0	1	1
Vps16_j1	0.0681857	0.0281452	0	1	1
Vps16_j4	1.67756	1.96174	0	1	1
Ptpra_j1	0.509412	0.450142	0	1	1

Ptpa_j3	23.3302	23.255	0	1	1
Mrps26	1.12295	1.33168	0.245959	0.156522	0.490077
ltpa_j2	0.148944	0.0842918	-0.821301	0.594077	0.838368
ltpa_j1	0.141421	0.0551612	-1.35827	0.527523	0.801698
ltpa_j6	0.36398	0.234609	0	1	1
XLOC_018393	0.208187	0.134678	-0.628365	0.449564	0.755642
Atrn_j1	0.0667264	0.0138575	-2.26759	0.177927	1
Cdc25b	1.3223	1.23219	-0.101828	0.670687	0.87546
Cdc25b	0.278594	0.11855	-1.23268	0.0786802	0.340223
2310035K24Rik	3.60673	3.60489	-0.000738773	0.997144	0.999174
2310035K24Rik	3.63197	3.88979	0.0989365	0.650404	0.86582
Mavs_j3	0.311139	0.185836	-0.743532	0.169366	0.506291
Mavs_j4	0.075879	0.00356366	-4.41227	0.193514	1
Mavs	0	0.215127	1.79769e+308	0.0005234	0.0084618
XLOC_018399	0.14718	0.163888	0.155134	0.8082	0.936972
Pank2	4.09367	4.18296	0.0311294	0.775482	0.923807
Smox	0	0.121098	1.79769e+308	0.0318636	1
Smox_j1	0.206198	0.121245	-0.766098	0.357931	0.693676
Smox_j2	0.546735	0.532406	-0.0383147	0.937215	0.980745
Cds2	81.6002	71.1895	0	1	1
Chgb_j1	0.230802	0.0664676	-1.79593	0.0819345	0.348758
Chgb	28.5981	21.071	-0.440661	7.68E-06	0.000246
Chgb_j5	0.301175	0.195833	-0.62098	0.346034	0.68522
Mcm8	0.276166	0.234472	0	1	1
Crls1	7.81611	8.17111	0.0640825	0.573548	0.827691
Bmp2	0.276473	0.105859	-1.385	0.0105266	0.0888226
Bmp2_j2	0.0657836	0.0924639	0.491163	0.614031	1
Plcb1	0.56716	0.290252	0	1	1
Plcb1	1.50696	1.04552	0	1	1
Plcb1_j3	2.35852	2.32099	0	1	1
Plcb4_j1	2.0407	2.63616	0	1	1
6330527O06Rik_j2	0.131174	0	-1.79769e+308	0.0266535	1
Snap25	427.32	296.949	-0.525099	7.95E-09	5.62E-07
2210009G21Rik_j1	0.874837	0.950047	0.118983	0.567513	0.824883
Btbd3	2.74823	2.18717	0	1	1
Btbd3	13.3922	10.1859	0	1	1
lsm1	0.986183	0.932651	-0.0805184	0.677742	0.878835
2310003L22Rik	11.0854	12.8597	0.2142	0.133775	0.455157
Macro2_j1	1.00794	0.274082	-1.87873	0.123386	0.437384
Macro2	3.23634	3.01864	-0.100464	0.661126	0.871504
Macro2_j4	0.426559	0.117962	-1.85442	0.207304	0.551795
Macro2_j18	1.29762	0.552843	-1.23092	0.0001322	0.0027132
Macro2_j16	0	0.201414	1.79769e+308	0.0004154	0.0069818
Snrpb2	5.64677	4.83526	-0.223834	0.129343	0.448274
Snrpb2_j1	17.8982	17.8701	-0.002269	0.987372	0.996374
Pcsk2	26.5825	21.2782	0	1	1
Dstn	44.7048	45.9848	0	1	1

Dstn_j2	53.7086	60.4637	0	1	1
Csrp2bp	5.70529	6.24752	0.130984	0.272548	0.621353
LOC668917	0.155587	0.302242	0.95798	0.160347	0.494893
LOC668917_j4	0.119073	0.105896	-0.169197	0.864877	1
LOC668917_j7	0.362994	0.0901105	-2.01018	0.0458022	0.24486
Sec23b	1.16443	1.0046	0	1	1
Sec23b_j1	0.85736	1.30913	0	1	1
Gm561	12.8273	14.9756	0.223395	0.154423	0.487616
Dtd1	16.7959	17.8184	0	1	1
Dtd1_j2	1.97711	0.330567	0	1	1
Slc24a3	7.15111	6.51557	-0.134276	0.259833	0.608517
Rin2_j7	1.21878	0.354991	-1.77959	3.77E-07	1.73E-05
4930529M08Rik_j5	0.883089	0.632018	-0.482593	0.451601	0.756717
4930529M08Rik_j7	1.55852	1.50229	-0.05301	0.891435	0.965687
Insm1	3.47173	3.41186	-0.0250964	0.873741	0.959888
Plk1s1	7.45032	6.48407	-0.200403	0.130713	0.450142
Xrn2	8.30708	9.27227	0.158582	0.143115	0.470125
Nxt1	0.749978	0.598533	-0.325416	0.352573	0.689448
Nxt1	1.5118	1.72073	0.186755	0.395504	0.720576
XLOC_018445	0.032537	0.0498497	0.615502	0.69721	1
Gzf1	1.30669	0.871447	0	1	1
Cstl1_j2	0.216668	0.162914	0	1	1
Cstl1_j6	0.191533	0.0287758	0	1	1
Tmem90b	0.704039	0.572076	-0.299447	0.443563	0.751387
Tmem90b_j1	2.06303	1.89858	-0.119841	0.614147	0.847685
Entpd6_j1	0.50323	0.257203	-0.968309	0.114979	0.421857
Entpd6_j2	1.91594	1.96979	0.0399907	0.869571	0.958475
Pygb	1.4158	1.50661	0.0896966	0.537977	0.807846
Pygb_j3	0.137718	0.147047	0.0945614	0.89528	0.966918
Gins1_j1	0.260667	0.236878	-0.138061	0.874161	0.959954
Gins1	1.45501	1.35511	-0.102621	0.720978	0.900148
Nsfl1c_j3	1.44336	0 -1.79769e+308		1.51E-23	4.63E-21
Nsfl1c_j4	0.758777	1.27688	0.750875	0.028593	0.179892
Fkbp1a	3.75136	2.76029	-0.442596	0.0541856	0.271315
Fkbp1a_j5	0.544233	0.606384	0.156006	0.765389	0.919757
5430405G05Rik	0.733042	0.999653	0.44753	0.252845	0.600908
5430405G05Rik_j4	0.244657	0 -1.79769e+308		0.0105509	0.0889661
5430405G05Rik_j5	0.130286	0.186384	0.516599	0.642416	0.862006
Rspo4	2.25565	1.83815	-0.295286	0.052503	0.266169
2310046K01Rik	2.37261	1.88832	-0.32937	0.0885587	0.364628
Scrt2_j2	0.895588	0 -1.79769e+308		2.70E-13	4.26E-11
Srxn1	186.254	304.127	0.7074	3.11E-15	6.31E-13
Csnk2a1_j3	3.33266	3.1168	-0.096609	0.369916	0.703412
Tbc1d20	8.98941	9.40988	0	1	1
Tbc1d20_j2	0.578298	1.65739	0	1	1
6820408C15Rik_j3	0.28778	0.104067	-1.46746	0.206975	0.551484
6820408C15Rik_j4	0.572351	0.293569	-0.9632	0.0996542	0.390857

H13	33.9741	34.0092	0	1	1
H13	8.88724	11.0063	0	1	1
H13_j1	8.24995	9.71607	0	1	1
Id1	7.88364	7.22241	-0.126381	0.444371	0.752081
Cox4i2	0.780923	0.867725	0.152057	0.652788	0.867147
Tpx2_j2	0.0835474	0.0321757	-1.37662	0.221915	1
Tpx2	0.201591	0.0407197	-2.30764	0.0154907	0.117492
Ttll9_j1	0.524048	0.436321	0	1	1
Xkr7	0.637012	0.733587	0	1	1
BC020535_j1	0.345333	0.296799	-0.218503	0.70121	0.890242
BC020535_j4	0.285014	0 -1.79769e+308	0.0001215	0.0025272	
BC020535_j5	0.214276	0.14485	-0.56491	0.498951	0.784243
BC020535_j7	0.248906	0.0794506	-1.64747	0.160491	0.495096
Hck	0.455275	0.836857	0	1	1
Tm9sf4	5.01932	5.21545	0	1	1
Tm9sf4_j1	9.76221	8.62198	0	1	1
Pofut1	1.54303	1.43017	-0.109586	0.495909	0.78296
Kif3b	8.52237	7.02225	0	1	1
Asxl1	3.45301	3.07318	0	1	1
Asxl1_j1	0.112475	0	0	1	1
Asxl1_j2	4.30417	4.69587	0	1	1
Mapre1	23.973	24.7917	0.0484518	0.573719	0.827772
Gm14495_j2	0.149265	0.051353	-1.53935	0.183132	0.523669
U46068	0.119386	0.111666	-0.0964486	0.903985	1
U46068_j2	0.103087	0.0695319	-0.568117	0.611345	1
1700003F12Rik	0.77408	0.695496	0	1	1
1700003F12Rik_j1	0.0629608	0.0463948	0	1	1
Zfp341	1.65918	1.32206	-0.327683	0.106849	0.406092
Chmp4b	86.2755	94.3963	0.129779	0.136251	0.45927
Chmp4b_j2	38.3451	53.2887	0.474786	0.0006136	0.0096739
Raly_j1	0.103616	0 -1.79769e+308	0.0313532	1	
Raly	5.78268	4.80127	-0.268322	0.0234164	0.156933
Raly_j4	13.8775	13.3536	-0.05552	0.697772	0.888632
Itch	6.14042	5.27329	0	1	1
Itch_j1	0.62941	0.60165	0	1	1
Itch_j3	6.4796	5.09685	0	1	1
Map1lc3a	15.8662	18.4422	0.217054	0.018163	0.131804
Trp53inp2	24.4828	31.4732	0.362356	6.88E-05	0.0015662
Myh7b_j1	0.0504141	0.0410547	0	1	1
Myh7b_j2	0.0365962	0.0696693	0	1	1
Myh7b_j3	0.141113	0.00124093	0	1	1
Myh7b_j10	0.101789	0.0253235	0	1	1
Procr_j1	0.401335	1.11495	1.4741	0.000521	0.0084292
Procr_j2	0.29321	0.543314	0.889852	0.118136	0.427877
Procr	1.60847	4.98512	1.63194	5.33E-15	1.05E-12
Mmp24	5.08565	5.12823	0.0120286	0.909333	0.971299
Cep250_j3	0.395667	0.192367	0	1	1

Cep250_j6	0.138232	0.117381	0	1	1
Ergic3_j6	32.0595	33.0319	0.0431081	0.672686	0.876452
Ergic3	10.9278	12.8959	0.2389	0.0946463	0.379341
Spag4_j3	0.313846	0.149561	-1.06932	0.0881114	0.363421
Spag4_j2	0.0657861	8.82E-06	-12.8655	0.989316	1
Spag4_j10	0.155278	0.137918	-0.17105	0.814832	0.939608
Romo1	11.416	13.517	0	1	1
Epb4.1l1_j7	0.129485	0.0611888	0	1	1
Epb4.1l1_j10	1.86277	1.91488	0	1	1
0610011L14Rik_j4	0.149736	0.0945383	-0.663452	0.304007	0.649734
Dlgap4	21.238	20.9373	-0.0205723	0.843741	0.950584
Myl9	1.57176	2.06419	0.393193	0.11087	0.414403
1110008F13Rik	2.31845	2.13175	-0.121119	0.528099	0.80195
1110008F13Rik_j2	2.09277	2.33717	0.15935	0.705142	0.892225
Gm1332_j1	0.150538	0.198977	0.40247	0.520785	0.797932
Rpn2_j1	27.3671	27.47	0	1	1
Rpn2_j2	21.0066	17.3729	0	1	1
Manbal	8.73912	9.82121	0.168413	0.115676	0.423182
Src_j2	1.18032	0.774356	0	1	1
Src	1.39685	0.908455	0	1	1
Src_j6	0.0733643	0	0	1	1
Src_j9	0.452374	0.556805	0	1	1
Peg5_j2	0.134076	0.00239359	0	1	1
Peg5_j1	0.0123929	0.0539982	0	1	1
Ctnnbl1_j1	4.36609	3.05771	-0.513891	0.003331	0.037423
Ctnnbl1	14.2441	14.8001	0.0552392	0.634387	0.858242
Vstm2l	58.6274	49.0843	-0.256315	0.0073171	0.0681226
Vstm2l_j1	1.93265	3.24455	0.747441	0.0469527	0.24858
Rprd1b	0.884886	0.658872	0	1	1
Rprd1b_j1	0.0529276	0.0778748	0	1	1
Lbp	1.19154	1.83111	0.619884	0.0083028	0.0746742
Snhg11_j5	92.0508	91.3177	-0.0115344	0.893265	0.966313
Snhg11_j4	14.8891	14.5937	-0.0289176	0.790383	0.930178
Snhg11_j3	31.0311	25.8407	-0.264067	0.0060279	0.0587582
Ralgapb	3.3723	0.620933	-2.44122	0	0
Ralgapb_j3	1.09972	1.75205	0.671903	0.0020859	0.0258502
Actr5	0.0991771	0.203773	1.03888	0.0280284	0.177633
Actr5_j2	0.452188	0.490254	0.116605	0.756695	0.916122
Ppp1r16b	1.19879	0.517403	-1.21222	4.16E-07	1.90E-05
Fam83d	1.12365	0.641683	-0.808262	0.0073344	0.0682184
Dhx35_j1	2.7661	2.5151	0	1	1
Dhx35_j3	2.4535	3.48254	0	1	1
XLOC_018534	0.19603	0.061702	-1.66768	0.0081725	0.0737735
Top1	10.6023	10.7289	0.0171328	0.868886	0.958389
Plcg1_j1	3.31648	3.06193	-0.115211	0.424421	0.739871
XLOC_018538	0.2049	0.413448	1.01279	0.121373	0.433925
XLOC_018538	0.158736	0.0349205	-2.18448	0.230461	0.577483

Gm11448	2.92337	3.11099	0.0897399	0.711957	0.895487
9430021M05Rik_j5	1.98308	1.5509	-0.35464	0.183905	0.524554
9430021M05Rik_j7	1.3189	0.448253	-1.55695	0.0029769	0.0342529
Srsf6_j1	6.62391	8.99224	0	1	1
Srsf6	3.74939	3.09616	0	1	1
L3mbtl_j3	0.468154	0.307981	-0.604143	0.15298	0.48502
L3mbtl_j11	0.206479	0.047913	-2.1075	0.0397704	0.222986
L3mbtl_j15	0.80913	0.551736	-0.552394	0.122452	0.435577
Ift52	6.96051	6.61075	-0.0743782	0.467778	0.766747
Tox2_j2	1.56591	0.00287479	0	1	1
Tox2_j4	1.64796	1.33422	0	1	1
Gdap1l1_j2	0.429648	2.8842	2.74694	9.17E-11	9.42E-09
Gdap1l1_j1	6.60367	6.69116	0.0189892	0.915438	0.973599
Gdap1l1	24.256	29.4206	0.278482	0.0048089	0.0492395
Gdap1l1_j3	2.94628	2.84614	-0.0498874	0.831297	0.945549
XLOC_018552	0.268291	0.220279	-0.284465	0.494738	0.782608
Ttpal	0.220301	0.258888	0.23285	0.472582	0.769633
Pkig	15.0368	17.4774	0.216997	0.172419	0.509941
Ywhab	267.518	272.118	0.0245938	0.78643	0.928634
Pabpc1l_j1	0.126417	0.0478923	-1.40033	0.297278	1
Stk4	4.58412	3.91013	0	1	1
Sys1	1.44185	1.59144	0	1	1
Sys1	1.36091	1.55862	0	1	1
Dbnnd2	6.04237	6.72288	0	1	1
Dbnnd2	9.78704	14.1319	0	1	1
Pigt	0.954372	0.884144	-0.11027	0.752685	0.914482
AK043662	0.106936	0.116863	0.128067	0.864377	1
AK043662_j1	0.128276	0.100286	-0.355135	0.645247	1
Wfdc2_j2	0.284865	0.131928	-1.11052	0.387778	0.715426
Wfdc2	1.55532	1.08515	-0.519314	0.14914	0.478226
Dnnttip1	3.69682	4.84609	0.390538	0.002334	0.0282012
Ube2c	0.500377	0.768432	0.618901	0.0965252	0.383809
Snx21_j1	1.35348	1.57042	0	1	1
Snx21_j8	0.94833	0.923569	0	1	1
Zswim3	1.85785	2.2668	0	1	1
Ctsa	1.10684	1.2723	0.201001	0.466936	0.766531
Pcif1_j3	1.20401	1.23615	0.0380084	0.847389	0.951757
Mmp9_j1	0.0936899	0.0690542	-0.440165	0.623309	1
Slc12a5_j1	0.128841	0 -1.79769e+308		0.0038206	1
Slc2a10_j1	0.132608	0.101982	-0.37886	0.688905	1
Eya2	1.22574	1.2264	0.000777408	0.997625	0.999228
Eya2	1.0807	0.508911	-1.08648	0.0062711	0.0606321
Trp53rk	1.57952	1.55585	-0.0217825	0.919762	0.97481
Arfgef2	7.64218	5.70584	0	1	1
Arfgef2_j1	0.457491	0.228917	0	1	1
Cse1l	7.27012	7.05785	0	1	1
Ddx27	7.75517	8.49279	0.131079	0.264839	0.613751

Slc9a8_j1	6.41406	6.53933	0.0279065	0.853155	0.953428
Rnf114	4.0318	3.05364	0	1	1
Rnf114	1.0156	1.07446	0	1	1
Rnf114_j2	0.199648	0.862836	0	1	1
Ptpn1	9.98315	14.0375	0.491714	6.03E-07	2.67E-05
Pard6b	0.401534	0.413358	0	1	1
Pard6b_j4	0.778465	0.756157	0	1	1
XLOC_018596	0.128079	0.0470214	-1.44565	0.0624417	1
XLOC_018599	0.147933	0.163695	0.146067	0.768686	0.921133
Gm9873	0.180249	0.273841	0.603349	0.271079	0.620091
XLOC_018599	0.127434	0.0898177	-0.504678	0.447559	1
Tshz2_j1	1.88228	1.2282	0	1	1
Tshz2_j5	1.40247	0.318285	0	1	1
Pfdn4	2.67725	2.54059	-0.0755887	0.779527	0.925607
Pfdn4_j3	0.811197	0.395544	-1.03621	0.389862	0.716946
Gm14637_j1	0.11683	0.122743	0.0712242	0.921443	1
Dok5	2.49612	2.33167	-0.0983245	0.658931	0.870368
BC049717_j1	0.0931741	0 -1.79769e+308		0.0139125	1
Gm14273_j2	0.0771534	0.188488	1.28867	0.120351	0.43198
Gm14273_j4	0.27805	0.359778	0.371761	0.611061	0.846733
2010011I20Rik	2.91323	4.30576	0	1	1
Cstf1	2.6544	2.34327	0	1	1
Cstf1	3.67819	4.07894	0	1	1
2410001C21Rik	18.9759	18.5574	0	1	1
1700029J11Rik	0.0984593	0.155036	0.655004	0.315725	1
Rae1	12.0102	13.8997	0.210789	0.0808121	0.346067
Rbm38	0.708311	0.902232	0.349117	0.282379	0.630923
AK079954_j1	0.285826	0.262867	-0.120802	0.697217	0.888506
AK079954_j3	0.113426	0.119446	0.0746162	0.93357	1
Rab22a	6.54351	7.12315	0.122449	0.225614	0.572661
Vapb_j1	4.95871	3.67612	-0.431782	0.0015174	0.0199144
Stx16	0.169551	0.574166	1.75975	0.0002525	0.0046577
Stx16	7.82123	6.08835	-0.361346	0.0066493	0.0632836
Npepl1_j1	2.83599	3.49165	0	1	1
Npepl1	8.60948	9.41681	0	1	1
Gnas	82.4186	79.7696	0	1	1
Gnas_j2	397.673	484.391	0	1	1
Gnas_j4	792.202	800.916	0	1	1
Th1l	20.4249	22.4468	0.136185	0.160748	0.495357
OTTMUSG00000016609_j2	6.30158	7.08404	0.168859	0.570047	0.826128
OTTMUSG00000016609_j3	3.1168	0.984481	-1.66263	0.0799271	0.343618
Gm14322_j1	5.81274	3.79039	-0.616872	2.63E-08	1.68E-06
Phactr3	6.99517	5.36811	0	1	1
Phactr3_j2	5.60722	7.70867	0	1	1
9030418K01Rik_j2	0.0487324	0.183263	0	1	1
Cdh26_j1	0.135068	0.0827048	-0.707643	0.542285	1
4921531C22Rik	0.326165	0.508019	0.639283	0.0162188	0.121626

Lsm14b_j1	24.9018	30.7102	0.30247	0.001082	0.0152025
Ss18l1	1.52742	1.60045	0	1	1
Gtpbp5_j4	1.74292	2.02872	0.219066	0.41966	0.73634
Gtpbp5_j1	0.928923	0.63391	-0.55128	0.25459	0.602805
Gtpbp5_j8	0.7931	0.68998	-0.200948	0.74443	0.910803
Osbpl2_j2	6.44611	6.35136	0	1	1
Osbpl2_j4	7.97455	6.76909	0	1	1
Osbpl2_j3	6.35578	5.63015	0	1	1
Adrm1_j3	0.291278	0.641455	1.13895	0.006204	0.0601382
Adrm1_j2	1.75063	1.96468	0.166421	0.403755	0.726553
Rps21	26.1556	29.5788	0.177439	0.258996	0.607774
Slco4a1_j2	0.184774	0 -1.79769e+308		0.0004707	0.0077362
1600027N09Rik_j3	1.55167	3.0027	0	1	1
1600027N09Rik	0.805712	0.86897	0	1	1
1600027N09Rik_j6	3.3412	4.02354	0	1	1
Ogfr	1.55635	1.78926	0.201198	0.285747	0.634532
Ogfr_j1	9.98983	11.3353	0.182285	0.122343	0.435497
Col9a3	0.30754	0.332958	0.114569	0.741825	0.909485
2310003C23Rik	11.448	10.6583	-0.103123	0.303358	0.649038
XLOC_018660	0.0941817	0.159978	0.764359	0.383857	0.71322
XLOC_018660	0.0738023	3.73E-05	-10.9514	0.969377	1
Rtel1_j1	0.824433	0.638218	0	1	1
Rtel1	1.53647	1.82501	0	1	1
Rtel1_j3	1.56995	1.76579	0	1	1
Zgpat_j1	0.0981529	0.13367	0	1	1
Zgpat_j9	1.08384	1.14321	0	1	1
Tpd52l2_j1	5.67182	6.55966	0	1	1
Tpd52l2_j2	1.83839	2.02636	0	1	1
Dnajc5_j3	25.0261	21.2561	0	1	1
Prpf6	17.2542	17.5684	0	1	1
XLOC_018666	0.0935692	0.0237002	-1.98113	0.351683	1
Tcea2_j1	4.15552	2.46686	0	1	1
Tcea2_j7	0.775282	1.02484	0	1	1
Oprl1	4.52912	3.21917	0	1	1
Myt1_j2	0.128573	0 -1.79769e+308		2.10E-07	1
Myt1_j6	0.064539	0 -1.79769e+308		1.72E-08	1
Polr3k	5.85931	5.97287	0.0276923	0.82452	0.943346
Rpp38	0.828589	0.815658	0	1	1
Meig1	0.398186	0.590636	0	1	1
Hspa14	10.9243	11.0912	0.0218738	0.853634	0.953747
Prpf18_j1	10.6519	9.63768	0	1	1
Mcm10	0.0560606	0 -1.79769e+308		0.0501544	1
Optn_j2	3.97763	3.84464	0	1	1
Optn_j1	4.88666	5.51899	0	1	1
Optn	8.09464	8.35043	0	1	1
Camk1d_j4	0.500946	0	0	1	1
Camk1d	1.1324	0.683871	0	1	1

Camk1d	1.99061	0.980328	0	1	1
Cdc123	32.7294	31.4123	-0.0592577	0.548502	0.814203
Sec61a2	4.07068	3.88892	-0.0659	0.613651	0.847685
Dhtkd1_j1	0.112018	0 -1.79769e+308		7.01E-05	1
Dhtkd1_j2	0.107928	0 -1.79769e+308		1.86E-05	1
5430407P10Rik_j1	0.0485294	0 -1.79769e+308		0.0187968	1
5430407P10Rik	0.13765	0.0861363	-0.676309	0.379876	0.711076
Celf2_j7	0.88226	0.000764771	0	1	1
Gm13217	3.41862	3.0572	-0.161203	0.434407	0.745518
Taf3	2.57104	2.44853	-0.0704363	0.616345	0.848764
Atp5c1_j3	0.843205	0.228596	-1.88308	0.0367862	0.212162
Atp5c1	20.349	17.8168	-0.191716	0.111669	0.415918
Pfkfb3_j3	2.88748	1.32345	0	1	1
Pfkfb3	7.33509	7.7122	0	1	1
Pfkfb3	4.51629	5.38649	0	1	1
Pfkfb3_j4	1.43492	1.29886	0	1	1
Rbm17	13.251	14.1156	0.0911867	0.44973	0.755756
Fbxo18_j1	3.05611	4.04808	0	1	1
Fbxo18_j4	1.12367	0.36073	0	1	1
Fbxo18_j2	0.470255	0	0	1	1
Fam188a	28.7235	22.6826	0	1	1
C1ql3	1.8235	1.63924	-0.15368	0.382256	0.712312
Rsu1	31.3337	27.0666	0	1	1
Trdmt1	0.673988	0.707688	0.0703911	0.82845	0.944579
Ptpla_j1	0.136321	0.0132861	-3.35902	0.0157712	1
Ptpla_j4	0.269478	0.184031	-0.550217	0.155174	0.488311
Gm13320	2.37556	2.49031	0.0680558	0.816049	0.94021
Nabl_j1	0.372977	0.638066	0.77462	0.0110409	0.0922047
Nabl_j2	0.180192	0 -1.79769e+308		5.24E-08	3.06E-06
Nabl	1.37463	1.02618	-0.42176	0.007734	0.0709201
Nabl_j2	0.403827	0.196095	-1.04219	0.0676181	0.31119
Nabl_j3	0.179769	0.340252	0.920463	0.0867331	0.360002
A930004D18Rik_j2	0.213259	0.192304	-0.14922	0.763966	0.91894
A930004D18Rik_j1	0.237956	0.332501	0.482661	0.230745	0.57771
Dnajc1	1.23324	1.20706	-0.03095	0.811445	0.938053
Pip4k2a_j2	2.59506	0	0	1	1
Pip4k2a	20.0398	12.738	0	1	1
Gm13328	13.0053	12.7949	0	1	1
Arhgap21_j3	4.10699	4.20104	0	1	1
Arhgap21_j6	1.34567	0.95968	0	1	1
Arhgap21_j4	2.86486	1.97126	0	1	1
Enkur	0.136008	0.344526	1.34092	0.042422	0.232811
Abi1_j5	9.94182	8.87149	0	1	1
Mastl	0.410275	0.356913	0	1	1
Spopl_j5	1.65488	2.22163	0	1	1
Spopl	2.08691	0.811223	0	1	1
Hnmt	3.1408	1.01843	-1.62478	1.02E-06	4.20E-05

Pax8_j4	0.100623	0	-1.79769e+308	0.0060991	1
Pax8_j5	0.347152	0.3512	0.0167223	0.968744	0.991159
Gm13416	3.45631	3.17965	-0.120366	0.458109	0.7608
Cacna1b_j8	0.160979	0.358588	0	1	1
Cacna1b_j11	0.0621471	0	0	1	1
Cacna1b_j10	3.1245	3.19374	0	1	1
Ehmt1_j6	0.164009	0.196636	0.261755	0.604107	0.843725
Ehmt1	1.48886	0.633622	-1.23252	2.04E-06	7.70E-05
Arrdc1	9.8639	8.74575	0	1	1
Arrdc1_j2	5.66396	6.57508	0	1	1
Mrpl41_j1	15.0214	8.34395	-0.848222	0.0005734	0.00914
Mrpl41	8.91912	8.51366	-0.0671218	0.616622	0.84894
A830007P12Rik	0.213821	0.246288	0.203944	0.659331	0.870715
Cobra1	25.453	27.266	0.0992673	0.292494	0.639479
Tubb2c	22.1981	27.1483	0	1	1
Ndor1_j1	0.339961	0.243789	0	1	1
Ndor1	0.875214	0.157438	0	1	1
Grin1_j6	0.381428	0.132325	-1.52733	0.0182167	0.132057
Dpp7_j3	10.3798	12.9837	0	1	1
Uap1l1	6.78233	6.81055	0.00599054	0.965581	0.990085
BC029214_j5	12.1437	12.584	0.0513875	0.730192	0.904705
Ptgds_j2	11.0544	7.14332	-0.62996	0.0007341	0.0111511
Ptgds_j1	6.10058	3.68858	-0.725883	0.0054293	0.0540236
Traf2_j4	0.350235	0.194766	-0.846583	0.0600905	0.288687
Traf2	2.238	2.29168	0.0341927	0.817947	0.940936
Mamdc4_j2	0.155663	0.0620544	-1.32682	0.223001	0.570022
Phpt1	16.1752	17.5235	0.115507	0.368448	0.701715
Phpt1_j3	2.45537	0.914024	-1.42564	9.49E-11	9.70E-09
B230208H17Rik_j1	5.8001	5.37203	0	1	1
B230208H17Rik	12.8872	10.9571	0	1	1
Tmem141_j4	2.74213	1.24384	0	1	1
Tmem141	5.40891	5.6389	0	1	1
Tmem141	2.59861	2.38241	0	1	1
Camsap1_j1	1.95499	3.92346	0	1	1
Camsap1_j3	4.83413	4.72042	0	1	1
Ubac1	27.7111	31.32	0.176624	0.0755214	0.331778
Nacc2_j5	26.8995	24.609	0	1	1
Nacc2	37.6748	25.927	0	1	1
Qsox2	4.77089	4.95156	0.0536266	0.666927	0.873997
Card9_j1	1.072	1.21843	0	1	1
Card9_j2	2.15995	2.90513	0	1	1
Notch1_j4	0.33756	0.166697	-1.01791	0.006404	0.061569
Notch1	0.903353	1.08685	0.266786	0.14629	0.474549
Agpat2_j3	0.563686	0.174964	-1.68783	0.0849262	0.355652
Agpat2	0.318509	0.371034	0.220218	0.396273	0.721006
Snhg7	2.2755	2.61832	0.202456	0.495063	0.782736
Surf6	4.97401	6.20405	0.3188	0.0133028	0.105757

Surf1_j2	0.480454	0.363609	-0.402009	0.112865	0.418139
Rexo4	8.82533	9.5256	0.11016	0.364764	0.698781
Slc2a6_j1	0.355844	0.328419	0	1	1
Slc2a6	8.83832	9.28885	0	1	1
Tmem8c	0.62489	0.551449	-0.180374	0.630271	0.856283
Fam163b	1.02356	0.567415	-0.851125	0.0047236	0.0485971
Fam163b_j1	0.66135	0.214976	-1.62124	0.0020281	0.0252558
Sardh_j1	0.0830487	0.0478118	-0.796589	0.430705	1
VAV2_j10	0.657639	1.12233	0	1	1
VAV2_j11	0.460738	0	0	1	1
VAV2_j12	2.16953	2.3428	0	1	1
VAV2_j2	0.828141	0.547824	0	1	1
Brd3_j1	0.263137	0	0	1	1
Brd3_j6	0.621074	0.557151	0	1	1
Gm13373_j3	0.586778	0.396694	-0.564786	0.0191687	0.136921
1700007K13Rik	0.423931	0.233148	-0.862582	0.0967193	0.384126
Gtf3c5_j1	2.78979	4.12243	0	1	1
Gtf3c5	4.61086	4.00289	0	1	1
Ntng2_j6	7.36182	5.52884	0	1	1
Ntng2_j7	0.550826	0.289032	0	1	1
Ntng2_j1	4.79045	3.43658	0	1	1
Ntng2_j4	2.44709	1.68486	0	1	1
Trub2_j1	0.93137	0.707047	0	1	1
Trub2	3.15911	3.14342	0	1	1
Wdr34	5.64985	5.33359	-0.0831062	0.568045	0.825218
Zer1	1.78554	0.585255	0	1	1
D2Wsu81e_j3	0.0592992	0.0510328	0	1	1
D2Wsu81e	4.20463	5.48331	0	1	1
Ccbl1	0.204662	0 -1.79769e+308		0.0009095	0.0132606
Ccbl1	1.86916	1.62812	-0.199189	0.39686	0.721313
Sh3glb2_j2	42.348	40.555	0	1	1
Sh3glb2_j4	16.1604	13.9978	0	1	1
Crat	1.82689	1.56885	0	1	1
XLOC_018806	0.124336	0.0954382	-0.381604	0.603171	1
1700001O22Rik_j1	0.260835	0 -1.79769e+308		0.0012484	0.0170681
Asb6_j2	0.0761582	0 -1.79769e+308		0.0296124	1
Asb6	8.92303	9.45765	0.0839482	0.459439	0.761406
Ptges	2.80819	2.87595	0.0343984	0.811636	0.938187
BC005624_j1	5.64738	5.77198	0.0314847	0.745443	0.911284
Fnbp1_j7	3.74864	2.98437	0	1	1
Fnbp1_j1	0.844765	0	0	1	1
Fnbp1	9.3455	6.26508	0	1	1
Fibcd1_j2	0.187904	0 -1.79769e+308		1.66E-07	8.37E-06
Fam78a	0.0686374	0.0602445	-0.188164	0.846927	1
Uck1_j4	0.0287983	0.0516618	0.843115	0.470246	1
Dnm1_j2	0.850733	0.7004	0	1	1
Dnm1_j1	0.250265	0.193998	0	1	1

Dnm1_j15	0.983492	0.602553	0	1	1
1110008P14Rik	131.929	125.043	-0.0773414	0.40432	0.726779
Lcn2	1.32066	0.908705	-0.539371	0.120994	0.433078
Slc25a25_j1	16.6393	14.0981	0	1	1
Slc25a25_j3	3.75797	2.73463	0	1	1
Slc25a25	12.0884	9.89607	0	1	1
Fpgs	3.34573	5.73244	0.776827	1.62E-08	1.09E-06
Fpgs_j1	0.854413	0.133193	-2.68142	1.51E-05	0.0004408
Cdk9_j3	1.15485	0 -1.79769e+308		2.30E-11	2.61E-09
Cdk9_j4	20.2821	24.1382	0.25111	0.0226819	0.153721
Ttc16_j2	0.0885616	0.101128	0.191424	0.816368	1
Stxbp1	276.496	243.364	-0.18414	0.0443996	0.240368
Garnl3_j7	0.575682	0.822818	0	1	1
Garnl3_j8	1.41388	0.662591	0	1	1
Ralgps1	3.22085	3.40417	0	1	1
Zbtb34_j1	0.946232	0.780727	-0.277376	0.169693	0.506699
Zbtb43_j2	0.063022	0.0217818	0	1	1
Zbtb43	0.460228	0.643747	0	1	1
Zbtb43_j3	0.105711	0.0784781	0	1	1
Zbtb43	0.602806	0.915537	0	1	1
Lmx1b_j1	0.0478638	0.0303947	-0.655116	0.738282	1
Fam125b_j2	0.140775	0	0	1	1
Fam125b	11.3132	10.3768	0	1	1
Pbx3_j5	1.97832	1.47782	0	1	1
Pbx3	3.39431	2.41929	0	1	1
Gapvd1_j4	7.82639	7.88669	0	1	1
Gapvd1_j5	1.62049	2.25436	0	1	1
Gapvd1_j9	0.369293	0.189275	0	1	1
Fbxw2	8.4973	5.88516	0	1	1
Fbxw2_j3	3.3002	2.36665	0	1	1
Psm5	1.57005	1.34376	-0.224543	0.234541	0.581922
Traf1	0.327806	0.568291	0.793789	0.0596164	0.287307
Traf1_j1	0.0702061	0 -1.79769e+308		0.0188609	1
Traf1_j5	0.144076	0.0161895	-3.15371	0.160789	0.495357
Rab14_j3	42.7916	42.5977	0	1	1
Rab14	8.94831	0.00084054	0	1	1
Stom	6.75181	5.82216	0	1	1
Ggta1_j7	0.7832	0.753879	0	1	1
Ggta1	1.03576	0.791704	0	1	1
Ttll11_j1	2.66758	2.89301	0	1	1
Ttll11	1.21002	0.985942	0	1	1
Ndufa8_j1	6.66805	5.11963	0	1	1
Ndufa8	39.2767	39.6379	0	1	1
Rbm18_j2	0	0.761955	0	1	1
Rbm18	10.5963	10.6005	0	1	1
Gm13436	81.6098	100.105	0.2947	0.0023544	0.0284256
Pdcl	5.50973	5.00315	0	1	1

Rc3h2	1.81892	1.2925	-0.492926	0.0021254	0.0262016
Rc3h2_j5	0.102996	0.144822	0.491694	0.319386	1
Zbtb6_j2	0.289593	0.564409	0	1	1
Zbtb6_j3	1.00062	0.738088	0	1	1
Zbtb26	1.03981	0.9654	0	1	1
Strbp_j1	2.53415	0.932189	0	1	1
Strbp	14.791	11.8787	0	1	1
Dennd1a_j7	2.98002	3.89367	0	1	1
Dennd1a_j2	2.22828	2.39723	0	1	1
Psmb7_j1	30.4585	33.0106	0.116086	0.190798	0.533079
Nr6a1_j2	1.04702	1.22839	0.23048	0.274334	0.62342
Nr6a1_j5	0.227453	0.236182	0.0543326	0.893161	0.966313
Golga1	0.42874	0.643662	0.586201	0.0042869	0.0451964
Golga1_j4	0.160426	0.214305	0.417759	0.317737	0.661018
Scai_j4	0.733915	1.07943	0	1	1
Scai	0.600764	0.333232	0	1	1
Ppp6c_j1	8.4123	8.30748	0	1	1
Ppp6c	9.46176	9.63276	0	1	1
Lrp1b_j4	0.0677042	0 -1.79769e+308		0.0007744	1
Lrp1b_j3	0.187238	0.185978	-0.00973737	0.982101	0.994587
Gm13461	95.5858	108.758	0.186247	0.0445902	0.241024
Lrp1b	0.282512	0.253063	-0.158817	0.686289	0.883078
Gtdc1_j3	4.57718	5.20872	0.186472	0.196114	0.538877
Zeb2_j2	1.14608	1.3167	0	1	1
Zeb2	0.150994	0.163955	0	1	1
Zeb2_j3	0.466236	0.239001	0	1	1
MuORC4	1.06973	0.616071	0	1	1
Mmadhc	25.6903	23.9392	0	1	1
Rnd3	3.46621	3.06313	0	1	1
Rbm43	1.90946	1.82817	0	1	1
Neb_j12	0.0836746	0.00667106	-3.6488	1	1
Neb_j14	0.0875179	0.0638912	-0.45396	0.566068	1
Arl5a_j1	0.364101	0.313405	0	1	1
Arl5a	6.6436	5.69269	0	1	1
Cacnb4_j4	0.28373	0.0449257	0	1	1
Cacnb4_j3	6.61053	4.82365	0	1	1
Stam2_j1	0.462912	0.000110966	-12.0264	0.827888	0.944579
Stam2	1.26935	1.04546	-0.279945	0.209663	0.55399
XLOC_018884	0.125757	0.057778	-1.12205	0.423294	1
Prpf40a_j9	0.423912	0.209989	0	1	1
Prpf40a_j8	2.16112	2.33356	0	1	1
Prpf40a_j7	0.626432	0.883269	0	1	1
Nr4a2_j5	0.074428	0.152014	1.03028	0.197287	1
Nr4a2	0.285142	0.187421	-0.605395	0.260491	0.609208
Cytip	0.0842636	0.1205	0.516054	0.564434	1
Acvr1	2.34983	2.22602	0	1	1
Acvr1	3.6425	4.44753	0	1	1

Ccdc148_j3	0.482957	0.123178	-1.97115	0.00079	0.0118667
Ccdc148_j2	0.445219	0.420088	-0.0838247	0.808273	0.936972
Wdsub1_j7	0.134391	0.716902	0	1	1
Wdsub1_j9	0.508168	0.370347	0	1	1
Baz2b_j1	1.18992	1.16553	-0.029881	0.915993	0.973828
Baz2b_j11	0.469603	0.371916	-0.336466	0.252254	0.600258
Baz2b_j14	0.179327	0.0267439	-2.74531	0.0011489	0.0159772
Baz2b_j13	0.543317	0.000118216	-12.1662	0.573784	0.827772
Cd302	0.708255	0.873213	0	1	1
Ly75_j3	0.249534	0 -1.79769e+308		7.69E-07	3.31E-05
Ly75_j6	0.0469594	0 -1.79769e+308		0.0269234	1
Ly75_j7	0.257041	0.321892	0.32458	0.483425	0.77601
Pla2r1	0.289817	0.293992	0.0206367	0.941359	0.982153
Pla2r1_j2	0.0688787	0 -1.79769e+308		3.73E-05	1
Itgb6	0.235687	0.103845	-1.18244	0.0346744	0.204533
Rbms1	4.85581	4.3519	0	1	1
Fap_j1	0.149832	0.128466	-0.221954	0.848375	0.952095
Fap_j2	0.239973	0.102933	-1.22117	0.238894	0.586097
Fap_j3	0.0892128	0 -1.79769e+308		0.0063896	1
Fap	0.0474605	0.0533359	0.16838	0.894495	1
Ifih1	0.629143	0.607125	-0.0513953	0.806933	0.936272
Kcnh7_j1	2.88318	1.91216	0	1	1
erg3	0.368615	0.081999	-2.16844	0.152493	0.484211
Grb14_j1	11.7409	11.2877	-0.0567901	0.681188	0.880213
Grb14	9.03236	7.25936	-0.315261	0.01544	0.117321
Cobll1_j5	0.279326	0.203138	0	1	1
Cobll1_j7	0.541025	0.000336368	0	1	1
Cobll1_j6	0.590113	0.617945	0	1	1
Slc38a11_j3	0.784706	0.144414	-2.44194	1.05E-06	4.32E-05
Slc38a11	0.230578	0.0692154	-1.73609	0.0116984	0.0962435
Scn3a_j3	0.118861	0.250442	1.0752	0.0162712	0.121888
Scn3a_j5	0.0847383	0 -1.79769e+308		4.48E-05	1
Scn3a_j4	0.169155	0 -1.79769e+308		5.56E-09	4.09E-07
Galnt3	0.935255	0.773764	-0.273467	0.309133	0.653865
Ttc21b	2.51528	1.88344	-0.417347	0.0094874	0.0823742
Scn1a_j2	6.98569	4.55001	0	1	1
Scn9a_j5	6.67133	7.59016	0	1	1
Scn7a	6.75397	5.32876	0	1	1
Stk39	38.2212	24.6423	0	1	1
Spc25	0.293572	0.378216	0.3655	0.452698	0.757746
Fastkd1	3.21505	3.13976	0	1	1
Tlk1	10.4992	9.63407	0	1	1
Mettl8	0.846892	0.867316	0	1	1
Mettl8_j5	2.09331	1.69171	0	1	1
Slc25a12	23.2942	21.3012	-0.129038	0.136926	0.460113
Sp3	0.677488	0.693351	0.0333889	0.86666	0.957738
Sp3_j1	0.214121	0.207373	-0.0461987	0.895808	0.96693

Ola1	28.7887	27.1333	-0.0854366	0.389054	0.716324
Cir1_j2	0.133811	0.0698382	-0.938105	0.384348	1
Cir1_j3	0.109634	0.0587733	-0.899461	0.452002	1
Gpr155_j4	1.78813	2.32465	0	1	1
Gpr155	4.37684	4.64799	0	1	1
Wipf1	1.81266	1.94882	0	1	1
Chrna1_j1	0.0867394	2.15E-05	-11.981	0.973159	1
Chn1	11.3882	6.50597	0	1	1
Chn1	10.116	11.1826	0	1	1
Atf2_j2	2.28386	2.23531	0	1	1
Atf2	1.53337	2.06352	0	1	1
Atp5g3_j1	349.96	370.042	0.0804985	0.353597	0.68999
Lnp	4.23586	3.70387	0	1	1
Lnp	10.5314	8.94435	0	1	1
Mrpl23-ps1	25.7557	31.5885	0.294506	0.0257225	0.167616
Gm13654	253.271	292.016	0.205366	0.0165845	0.123589
Nfe2l2_j4	10.5147	0.00609283	-10.753	0.0010547	0.0148929
Nfe2l2	1.4828	1.32208	-0.165512	0.382022	0.712175
Ttc30b	2.857	2.3669	-0.271501	0.092207	0.373682
Pde11a	2.7979	1.87045	0	1	1
Pde11a_j2	1.2146	1.12272	0	1	1
Prkra	5.75486	5.38464	0	1	1
Fkbp7	2.32123	1.87244	-0.309974	0.284239	0.632886
Fkbp7_j1	0.677622	0.893185	0.398478	0.402867	0.726036
Fkbp7_j4	0.44199	0.082054	-2.42937	0.195256	0.537581
Ccdc141_j1	5.34603	2.90563	0	1	1
Ccdc141_j2	0.226042	0.115081	0	1	1
Ccdc141	3.55702	1.39602	0	1	1
Sestd1_j1	0.188136	0	0	1	1
Sestd1_j5	0.176486	0.121068	0	1	1
Zfp385b	7.6318	6.88583	0	1	1
Zfp385b	3.35623	2.24374	0	1	1
Cwc22_j4	0.152739	0.0275567	-2.4706	0.310792	0.655474
Cwc22_j10	0.0940123	0 -1.79769e+308		0.124627	1
Cerkl_j3	0.154264	0.119522	-0.368135	0.44046	0.749669
Neurod1	0.301572	0.297899	-0.0176815	0.964957	0.990054
Pde1a_j3	0.203873	0.034945	0	1	1
Pde1a	0.213724	0.755681	0	1	1
Pde1a_j4	0.610298	0.830009	0	1	1
Frzb	3.80824	2.59918	-0.551066	0.002486	0.029709
Nckap1_j2	0.132118	0	0	1	1
Nckap1_j3	0.0841307	0.00868016	0	1	1
Nckap1	3.52918	3.17172	0	1	1
Gm13680	72.7429	84.7124	0.219767	0.0195968	0.139035
Calcr1_j1	0.608359	0.599392	0	1	1
Calcr1	1.31799	0.780491	0	1	1
Tfpi_j4	0.0680827	0 -1.79769e+308		0.0570862	1

Tfpi_j3	0.382914	0.653453	0.771062	0.121471	0.433987
Tfpi	0.104714	0.0726737	-0.526953	0.693789	1
Ctnnd1_j1	3.73311	3.97779	0.0915887	0.520316	0.797861
XLOC_018972	1.69959	1.61031	-0.0778496	0.526179	0.800979
Ctnnd1	0.0664743	0.0478954	-0.472909	0.382189	1
Tmx2_j5	0.999901	2.21569	0	1	1
Zdhhc5	9.48479	7.66822	0	1	1
Clp1	3.02513	3.25165	0.104176	0.559866	0.820916
XLOC_018976	0.252588	0.349732	0.469462	0.405156	0.726989
Serping1_j3	17.5722	23.607	0	1	1
Serping1	17.2331	13.7736	0	1	1
Rtn4rl2	9.14443	5.49037	0	1	1
P2rx3_j8	4.80594	15.8782	0	1	1
P2rx3_j9	0.953263	0.864541	0	1	1
P2rx3	7.52368	7.82141	0	1	1
Ndufs3	0.302288	1.0399	1.78245	0.0054984	0.0545575
Ptpmt1	1.88409	1.79367	-0.0709596	0.660021	0.871013
AK020549_j1	0.165413	0.148695	0	1	1
Slc39a13	8.00752	6.86681	0	1	1
Madd_j1	1.2465	1.30067	0	1	1
Madd_j2	7.80194	8.39142	0	1	1
1110051M20Rik	11.2208	13.5431	0.271382	0.0214732	0.147938
1110051M20Rik	51.2846	46.0681	-0.154755	0.100508	0.392473
F2_j1	0.0887176	0.0483497	-0.875714	0.605105	1
Zfp408_j3	0.555288	0.3959	0	1	1
Zfp408_j1	0.334422	0.269307	0	1	1
Zfp408	0.373331	0.620113	0	1	1
Atg13	1.71382	1.38472	0	1	1
Dgkz_j2	7.11563	6.91326	0	1	1
Dgkz_j6	8.03074	6.21639	0	1	1
Dgkz_j10	48.4591	36.5615	0	1	1
Creb3l1_j1	4.12039	3.10725	-0.407143	0.135284	0.457605
Creb3l1	3.00828	2.8283	-0.0890053	0.606683	0.845067
Gylt1b_j1	0.0610488	0.100091	0.713275	0.550769	1
Mapk8ip1_j2	82.3476	74.2352	0	1	1
Mapk8ip1_j5	18.4504	9.48151	0	1	1
Cry2	5.62181	5.17009	0	1	1
Slc35c1	3.35834	3.66174	0	1	1
Slc35c1	0.685418	0.619872	0	1	1
Prdm11_j4	0.180991	0.23908	0.401579	0.539459	0.808383
Tspan18	5.04739	4.85147	0	1	1
Cd82_j2	20.3096	18.0224	0	1	1
Cd82	15.2537	16.1819	0	1	1
Ext2_j4	11.2023	15.2463	0	1	1
Ext2	2.92736	3.24621	0	1	1
Accs_j1	0.147511	0.00107826	0	1	1
Accs_j8	0.150013	0.245431	0	1	1

Accsl_j6	0.0772566	0.0178268	-2.11561	0.29765	1
Alkbh3_j5	0.958629	0.614324	-0.641974	0.221449	0.568621
Alkbh3_j4	8.47359	6.24726	-0.43975	0.013327	0.105888
Hsd17b12	38.9932	33.8454	-0.204265	0.0346887	0.204568
AK140370	0.536051	0.369179	-0.53805	0.234318	0.581678
Ttc17_j2	1.22959	1.0701	0	1	1
B230118H07Rik	24.4712	21.3194	-0.198918	0.106654	0.405742
Ldlrad3_j2	0.520618	0.542762	0.0600942	0.865536	0.957106
Ldlrad3	2.21186	2.47466	0.161973	0.328071	0.670635
Ldlrad3	0.195719	0.0629255	-1.63706	0.0635115	0.298841
Trim44	0.522779	0.0562027	0	1	1
Fjx1	2.87545	2.78303	-0.0471273	0.773646	0.923158
Cd44_j2	16.8951	5.59645	0	1	1
Cd44	2.29187	2.33077	0	1	1
Pdhx	13.1235	12.583	-0.0606726	0.573634	0.827718
Ehf	0.400802	0.297113	-0.431879	0.154028	0.486968
Cat_j2	13.4783	9.50789	0	1	1
Cat	46.7662	43.5018	0	1	1
Nat10_j1	1.9627	2.65721	0	1	1
Nat10	1.00017	0.958294	0	1	1
Nat10_j5	1.85159	1.72382	0	1	1
Caprin1	2.63178	0.317513	0	1	1
Caprin1	10.7383	10.9054	0	1	1
D430041D05Rik_j3	1.11507	0.206753	-2.43116	1.07E-11	1.30E-09
D430041D05Rik_j4	0.0568518	0 -1.79769e+308		0.0005156	1
D430041D05Rik_j5	0.204352	0.150548	-0.440832	0.1634	0.498674
Hipk3_j1	10.7195	11.1527	0	1	1
Hipk3	5.18361	4.46476	0	1	1
Tcp11l1_j1	2.08123	1.84812	0	1	1
Depdc7	2.55684	2.17295	-0.234708	0.248319	0.595624
Qser1	1.98106	1.97986	-0.000875115	0.994687	0.998469
Eif3m_j2	0.164006	4.86E-05	-11.7203	0.900655	0.968396
Rcn1	8.56342	8.19965	-0.062624	0.574392	0.828005
Elp4	0.118052	0.088815	-0.410551	0.479935	1
Elp4_j3	3.86741	3.66946	-0.0757995	0.726852	0.90322
Dnajc24	0.768795	0.719531	-0.095541	0.534308	0.805503
AK084494_j6	0.30268	0.0338523	-3.16047	0.2067	0.551333
2700007P21Rik_j4	2.25612	2.23537	0	1	1
2700007P21Rik_j3	4.84993	3.88066	0	1	1
Mett5d1	0.284157	0.311104	0.13071	0.836506	0.947639
Mett5d1_j2	1.24178	0.703164	-0.820472	0.0191515	0.136838
Mett5d1_j1	0.642597	0.33499	-0.939797	0.072601	0.32418
Fibin	1.59571	1.07964	-0.56365	0.0091492	0.0802284
Ano3	12.4004	9.54499	0	1	1
Ano3_j1	14.909	9.25268	0	1	1
Tmem85_j2	0.174331	0.168643	0	1	1
Tmem85	0.342314	0.302149	0	1	1

Ryr3_j4	0.773466	0.910253	0.234929	0.350284	0.687781
Ryr3_j13	0.094408	0 -1.79769e+308		0.0390322	1
Ryr3_j17	0.247097	0.11811	-1.06495	0.104304	0.400632
Ryr3_j21	0.124128	0.200138	0.68917	0.383943	0.71322
Ryr3_j24	0.204236	0.0637261	-1.68028	0.182551	0.522997
Scg5	1.51371	1.45137	0	1	1
Arhgap11a_j1	0.0653568	0 -1.79769e+308		0.0017702	1
Arhgap11a	0.414746	0.637646	0.620527	0.0154884	0.117492
Gjd2	1.21438	0.495107	-1.29441	3.71E-07	1.71E-05
Aqr	7.48649	7.28059	-0.0402333	0.700148	0.8896
Zfp770	4.05477	3.71525	-0.12616	0.326004	0.669299
Atpbd4	3.31218	3.73826	0	1	1
Atpbd4	5.40633	4.62697	0	1	1
Meis2	2.43073	1.12203	0	1	1
Rasgrp1_j2	6.51365	5.69807	0	1	1
Rasgrp1_j3	3.77954	2.21279	0	1	1
Rasgrp1_j7	1.01217	1.84312	0	1	1
Gpr176_j2	0.108804	0.169444	0	1	1
Gpr176	0.979046	0.846061	0	1	1
Srp14	53.9347	57.958	0	1	1
Bmf	0.630954	0.494217	-0.352388	0.209481	0.553795
Bmf_j3	0.0974122	1.09E-05	-13.1203	0.976462	1
A430105I19Rik_j4	0.588294	0.727602	0	1	1
A430105I19Rik	0.952328	0.909581	0	1	1
Ccdc32_j1	6.25824	5.14836	0	1	1
Ccdc32	10.8974	11.7498	0	1	1
Fam82a2	6.09039	6.83221	0.165818	0.222696	0.569646
Rhov	21.3218	27.8904	0.387441	0.000137	0.0027865
Ino80	0.461732	0.436903	0	1	1
Oip5	0.662859	0.376364	-0.816572	0.0193614	0.137812
Ndufaf1_j1	1.14332	1.05881	0	1	1
Ndufaf1	1.76974	1.93756	0	1	1
Rpap1_j1	2.10508	2.07189	0	1	1
Rpap1	2.35119	1.82709	0	1	1
Spnb5_j1	0.0805356	0.0281592	-1.51602	0.0895493	1
Spnb5_j2	0.0317396	0.0620852	0.967964	0.18467	1
Spnb5_j1	0.245743	0.0484403	-2.34287	0.0747655	0.329944
Spnb5_j7	0.0770551	0.000280035	-8.10414	0.755322	1
Spnb5_j5	0.119402	0.0275312	-2.11668	0.0909163	1
Ehd4	13.6935	14.1302	0	1	1
Pla2g4e_j3	0.188838	0.0485996	-1.95814	0.0786364	0.340127
Pla2g4e_j4	0.0487205	0 -1.79769e+308		0.0172759	1
Vps39_j1	1.44452	1.42365	0	1	1
Vps39	3.81279	2.99606	0	1	1
Vps39	10.1804	9.11477	0	1	1
Tmem87a	3.40825	3.5074	0	1	1
Tmem87a_j3	3.46807	3.47993	0	1	1

Zfp106	4.77672	4.10652	0	1	1
Zfp106_j1	8.12415	6.15962	0	1	1
Lrrc57	0.321362	0.323639	0	1	1
Lrrc57	9.16706	6.30467	0	1	1
Cdan1	1.04625	1.05929	0	1	1
Ttbk2	0.77294	0.78913	0	1	1
Ubr1_j3	6.26985	5.69882	0	1	1
Ubr1_j4	3.16207	2.4188	0	1	1
Ubr1	1.92681	1.51816	0	1	1
Tgm5_j4	0.0694581	0 -1.79769e+308	0.0117781		1
Tgm5_j5	0.0975584	0.0245348	-1.99144	0.160653	1
Tgm5_j8	0.0680084	0.0600887	-0.178618	0.885482	1
Ppip5k1_j5	22.8195	25.2438	0	1	1
Serinc4_j1	6.2187	7.12964	0.197215	0.168485	0.505081
Mfap1a	3.07004	3.08367	0.00639108	0.965279	0.990054
Frmd5_j3	0.2445	0.25708	0	1	1
Frmd5_j2	0.2323	0.438619	0	1	1
Spg11	0.0655981	0.0626199	-0.0670319	0.888916	1
Spg11_j6	0.263066	0.0778208	-1.7572	0.0018353	0.0233382
Patl2_j2	0.193232	0 -1.79769e+308	0.0027631	0.0322654	
Duoxa1_j6	0.055783	0 -1.79769e+308	0.0759768		1
Shf_j2	14.1876	14.0665	-0.0123686	0.920023	0.974931
Shf_j1	3.47014	2.33895	-0.569131	0.0265182	0.17117
Bambi-ps1	0.835957	1.82955	1.12999	3.46E-06	0.0001228
Gatm	36.7127	36.3379	-0.0148037	0.870208	0.958714
Slc30a4	3.26851	3.08898	-0.0815022	0.546484	0.81297
Myef2_j2	23.0168	23.925	0.0558301	0.581907	0.832581
Cep152_j1	0.09792	0.270429	1.46557	0.0546221	0.272571
Cep152_j8	0.159791	0.216319	0.436979	0.440171	0.749556
Secisbp2l_j1	3.63858	3.42391	0	1	1
Secisbp2l_j2	3.81198	3.84649	0	1	1
Secisbp2l	5.06763	3.21844	0	1	1
Cops2	22.2685	17.0972	0	1	1
Cops2	19.2342	16.253	0	1	1
Hdc_j1	0.247746	0.21457	-0.207415	0.738722	0.908177
Hdc	0.043616	0.362665	3.05571	0.0010376	0.0147108
Gabpb1_j4	2.24105	2.11917	0	1	1
Gabpb1	1.20674	0.818348	0	1	1
Trpm7_j3	2.6573	2.72227	0	1	1
Trpm7	1.83788	1.38871	0	1	1
Trpm7_j5	0.205302	0.0651341	0	1	1
2010106G01Rik_j5	0	0.149465	0	1	1
2010106G01Rik	3.94123	2.87963	0	1	1
Ncaph	0	0.136139 1.79769e+308	0.0048884		1
Itpril1	1.89672	2.25571	0.250077	0.15699	0.490805
1810024B03Rik	0.763912	0.815217	0.0937787	0.846322	0.951433
Ciao1_j2	6.42575	6.20383	0	1	1

Fahd2a	6.8367	5.89393	-0.21407	0.170746	0.507662
Kcni3_j6	10.5914	8.6773	0	1	1
Kcni3	10.9812	7.67292	0	1	1
Zfp661_j4	0.207847	0.172355	-0.270137	0.648163	0.864472
Zfp661_j5	0.22577	0.0522731	-2.11072	0.012189	0.0993569
Zfp661_j6	0.0701351	0.0344314	-1.02641	0.41395	1
Mal	25.2443	29.395	0.219616	0.0188857	0.135535
Mall	0.261828	0.338063	0.368672	0.378704	0.710354
Nphp1	1.03793	0.937806	0	1	1
Nphp1_j1	0.26906	0.539469	0	1	1
Nphp1	0.608094	0.776029	0	1	1
1500011K16Rik	23.4495	21.7687	-0.107302	0.383854	0.71322
Gm14012_j2	0.137985	0 -1.79769e+308		0.0071646	0.0670356
Gm14005	0.24189	0.190374	-0.34552	0.644123	0.862786
Gm14005_j4	0.361835	0.0371098	-3.28546	0.0962375	0.38304
Gm14005	0.914762	0.751441	-0.283736	0.474503	0.770688
Anapc1_j2	0.0687415	0 -1.79769e+308		0.0008455	1
Zc3h8_j3	0.512053	0.155712	-1.71741	0.03866	0.219025
Zc3h8_j1	1.93425	1.69286	-0.192315	0.430744	0.743283
Gm14025_j1	0.630602	0.227028	-1.47386	1.04E-05	0.0003198
Al847159_j2	0.191773	0.12695	-0.595135	0.42744	0.741759
Al847159_j1	0.133534	0.105019	-0.346559	0.696903	1
Il1b	0.239751	0.613382	1.35525	0.0009389	0.0135959
Gm14045	5.28502	5.40087	0.0312807	0.873632	0.959888
Snrpb	39.1323	42.7308	0.126915	0.192037	0.534179
Idh3b_j5	0.150346	0.087644	-0.778555	0.470996	0.768613
Ubox5	2.04154	2.23393	0	1	1
Ubox5_j2	1.32419	1.35373	0	1	1
Prosap1_j2	0.0511409	0	0	1	1
Ddrk1_j2	7.34004	10.1431	0.466644	0.0059153	0.0578696
Ddrk1	9.21133	9.36331	0.0236091	0.849916	0.952228
Slc4a11_j6	0.316717	0.622843	0	1	1
Slc4a11_j7	0.813317	0.263833	0	1	1
4930402H24Rik_j2	1.17016	1.66349	0	1	1
4930402H24Rik	2.70903	2.85259	0	1	1
Gfra4_j2	0.702173	0.831489	0.24387	0.633817	0.857971
Gfra4_j3	1.04962	1.13703	0.115394	0.779302	0.925607
Gfra4	2.98803	2.2834	-0.388012	0.135613	0.458263
Adam33_j1	0.140043	0 -1.79769e+308		0.0388795	0.219888
Adam33_j2	0.091229	0 -1.79769e+308		0.0245265	1
Adam33_j3	0.182195	0.145924	-0.32026	0.643316	0.862314
1700037H04Rik	10.1701	11.8934	0	1	1
Spf1	3.28168	3.61628	0	1	1
Rnf24	2.8799	3.14152	0.125442	0.338782	0.679008
Adra1d	1.15053	0.813623	-0.499869	0.0088858	0.0784132
Rassf2_j4	0.61669	1.01707	0	1	1
Rassf2_j3	0.564049	1.3145	0	1	1

Rassf2	0.514277	0.419588	0	1	1
Slc23a2	4.8496	4.41168	0	1	1
5730494N06Rik_j4	1.88441	1.56871	0	1	1
5730494N06Rik_j3	1.68979	1.70055	0	1	1
Pcna_j7	0.157639	0 -1.79769e+308	0.0320865	0.194253	
Prokr2	0.069116	0.189929	0	1	1
Prokr2	1.36874	1.67972	0	1	1
Gpcpd1_j3	9.69981	8.90345	0	1	1
Gpcpd1_j4	5.72624	4.41454	0	1	1
Gpcpd1	3.74594	3.13914	0	1	1
Trmt6	1.48273	1.38863	0	1	1
Hao1_j1	0.177811	0.845451	2.24938	7.13E-13	1.04E-10
Tmx4	4.90596	3.90069	-0.330808	0.0057547	0.0566506
Gm14038	4.58776	4.22209	-0.119834	0.471582	0.769092
Pak7_j5	0.0797174	6.54E-06	-13.5738	0.986053	1
Pak7	0.219342	0.149391	-0.554087	0.252717	0.600773
Mkks	0	0.243356	0	1	1
Mkks_j4	0.251648	0.415458	0	1	1
Jag1_j3	1.78196	1.95061	0	1	1
Jag1	1.24761	0.621802	0	1	1
Gm14066_j6	0.263123	0 -1.79769e+308	0.0025964	0.0307386	
Gm14066_j7	0.229549	0.119515	-0.941619	0.353761	0.690034
Gm14066_j8	0.227563	0.0890552	-1.3535	0.179874	0.519509
Tasp1	3.40492	3.09319	0	1	1
Esf1	1.47122	1.61833	0.137489	0.485904	0.777385
Flrt3	10.3551	26.1554	1.33677	0	0
Kif16b_j5	0.526593	0 -1.79769e+308	5.97E-07	2.64E-05	
Kif16b_j6	4.29985	2.81909	-0.609054	1.45E-05	0.0004252
Kif16b	1.75702	1.50268	-0.225588	0.199372	0.542324
Bfsp1	0.405469	0.270439	-0.584291	0.285828	0.634576
Bfsp1_j1	0.294127	0 -1.79769e+308	3.53E-05	0.0008864	
Snx5_j2	0.245277	0.0268532	-3.19125	0.0389767	0.220157
Snx5	3.92045	4.18306	0.0935379	0.583157	0.833121
Ovol2	0.525018	0.605659	0.206141	0.572544	0.827161
Rbbp9	3.74411	3.77263	0	1	1
Crnk11	0.615514	0.623247	0.0180138	0.918707	0.974658
Ralgapa2_j7	1.20704	0.530221	-1.18681	1.29E-08	8.85E-07
Thbd	5.31677	5.81046	0.128103	0.263139	0.611993
Cd93	0.383395	0.33985	-0.173933	0.57745	0.829703
Napb	31.7084	28.5151	0	1	1
Cst3	312.74	371.213	0.247286	0.0039698	0.042668
Zfp120_j2	0.299572	0.25546	0	1	1
Gm14127	1.97675	2.13246	0.109394	0.740508	0.909073
Gm14121	16.7086	15.5152	-0.106913	0.361736	0.696116
2310001A20Rik_j1	15.0528	15.7515	0	1	1
2310001A20Rik	13.1738	12.4464	0	1	1
Acss1	0.973119	0.94765	-0.0382621	0.864613	0.956931

Abhd12	3.03796	2.3705	-0.357908	0.0014367	0.0190759
Ninl_j1	0.528065	0.110791	-2.25287	0.02253	0.15314
Ninl	0.276572	0.229058	-0.271938	0.470017	0.767947
Snph	0.982889	0.303492	0	1	1
Snph_j4	1.93304	1.93911	0	1	1
Snph_j7	9.02402	6.77508	0	1	1
Psmf1	19.4903	18.7597	-0.0551267	0.564188	0.823148
Fam110a	1.66482	1.61218	-0.0463528	0.82948	0.944941
Gm14166	66.8918	80.7225	0.271141	0.0134681	0.106609
Rbck1	12.0713	11.0419	0	1	1
Rbck1_j3	7.78335	6.4704	0	1	1
Trib3_j2	1.17431	0.690419	0	1	1
Trib3_j3	0.403704	1.33176	0	1	1
Trib3	1.18958	2.03179	0	1	1
Nrsn2	2.70058	2.35588	-0.196999	0.365947	0.699851
Sox12	6.11078	5.89671	-0.0514456	0.653699	0.867558
Bcl2l1	15.7306	12.2355	0	1	1
Bcl2l1	2.11832	2.21179	0	1	1
Foxs1	0.161031	0.0750232	-1.10193	0.352128	0.689187
Dusp15	2.04622	1.61727	0	1	1
Pdrg1_j3	11.0367	0.279639	0	1	1
Pdrg1_j4	2.47942	12.1122	0	1	1
Pdrg1_j5	0.384495	0	0	1	1
Tspyl3	4.23154	4.08253	-0.0517199	0.676988	0.878628
Plagl2	0.401959	0.369521	-0.121393	0.716056	0.897492
AK010870_j1	0.0871003	0 -1.79769e+308		0.0276374	1
AK010870_j6	0.19218	0.222799	0.213283	0.769646	0.921491
AK010870_j2	0.0791378	0 -1.79769e+308		0.0185413	1
8430427H17Rik_j5	9.17506	8.35331	0	1	1
8430427H17Rik	5.63895	1.50478	0	1	1
8430427H17Rik_j2	1.62369	0.932806	0	1	1
Commd7	10.246	11.4606	0.161623	0.124564	0.439858
Cdk5rap1_j2	0.348812	0.31991	-0.124783	0.835421	0.947056
Cdk5rap1	1.65238	1.7311	0.0671458	0.771072	0.922274
Snta1	5.08032	5.87624	0.209976	0.140729	0.466597
Necab3_j10	1.99031	1.13732	0	1	1
Pxmp4	5.24897	5.32772	0.0214859	0.87336	0.959842
Ahcy_j3	0.121499	0.0173195	-2.81048	0.157486	1
Pigu	2.09482	2.00084	-0.0662219	0.690091	0.885202
Ncoa6_j3	5.09915	5.10016	0.00028622	0.997864	0.999228
Ggt7	21.0178	21.753	0.0495999	0.609071	0.84604
Gss	4.79892	4.73923	0	1	1
Trpc4ap	44.4736	38.7371	0	1	1
Edem2	10.6307	10.0785	-0.0769457	0.553766	0.817269
Uqcc_j4	7.33127	7.73045	0	1	1
Uqcc_j7	12.948	12.8817	0	1	1
Uqcc	5.28024	4.73976	0	1	1

6430550D23Rik_j1	0.0363638	0.0604222	0.732575	0.637997	1
Cpne1_j1	0.339533	0.286796	0	1	1
Cpne1	10.9749	9.99314	0	1	1
Nfs1	6.40566	5.8062	0	1	1
Rbm39	0.108033	0.0306637	0	1	1
AK015092_j3	0.0822817	0.11305	0.458323	0.64079	1
AK015092_j9	0.773179	0.542	-0.512508	0.170256	0.507195
Gm14230	0.140283	0.319748	1.1886	0.021614	0.148698
Gm14230_j3	0.199572	0.175305	-0.187042	0.75961	0.91718
Gm14230_j1	0.193382	0.0737142	-1.39144	0.0988988	0.388994
Ndr3	9.51453	8.23697	0	1	1
Ndr3	39.1776	29.2092	0	1	1
Dsn1	0.220895	0.26319	0.252743	0.557817	0.819817
9830001H06Rik	0.685308	0.853516	0	1	1
Samhd1_j1	1.04515	0.92405	-0.177672	0.56698	0.82484
Samhd1	7.19297	6.88701	-0.0627095	0.591575	0.837138
4922505G16Rik_j1	0.178766	0.167016	-0.0980855	0.865792	0.957235
Gm14286	0.084293	0.062323	-0.435648	0.583068	1
Blcap	10.7163	9.71768	0	1	1
Blcap	3.33466	4.52681	0	1	1
Tti1	2.13875	1.99662	0	1	1
Tgm2	2.83626	3.86628	0.446956	0.0010763	0.015147
D630003M21Rik_j7	0	0.117308	1.79769e+308	0.044761	1
9430008C03Rik_j4	0.780582	0.929272	0.251552	0.397227	0.721634
9430008C03Rik	0.276145	0.134181	-1.04125	0.0773974	0.336753
9430008C03Rik_j8	0.402171	0.469821	0.224301	0.659457	0.870731
Mafb	0.692653	1.0917	0.656368	0.0013541	0.0182323
Zhx3_j2	2.75434	2.80943	0.0285749	0.811884	0.938322
Chd6_j2	3.2765	2.59154	0	1	1
Ptptr_j4	0.134415	0.207853	0	1	1
Ptptr_j5	0.571733	0.807713	0	1	1
Gm11451	7.86621	8.86513	0.172474	0.302661	0.648644
Fitm2_j1	3.07038	0.267138	0	1	1
Fitm2_j2	1.02529	0.237719	0	1	1
Fitm2	7.8322	6.62764	0	1	1
Serinc3	29.9444	30.9707	0.0486137	0.571736	0.827078
Ada_j1	0.101171	0.0396869	-1.35005	0.365954	1
Ada	0.96839	0.860162	-0.170979	0.583147	0.833121
Rims4_j2	0.323457	0.713207	0	1	1
Rims4	1.18502	1.02369	0	1	1
Tomm34_j2	21.1322	18.4472	0	1	1
Tomm34	14.9593	9.22553	0	1	1
Wfdc5_j2	0.148811	0.110736	-0.426354	0.726274	0.902924
Slpi	0.463786	0.300286	-0.62712	0.23547	0.582685
Matn4	0.942656	0.748619	-0.332499	0.175309	0.513687
Sdc4	14.45	15.0533	0.0590096	0.585744	0.83407
Spinlw1	0.330088	0.253621	-0.380177	0.411544	0.730729

Wfdc3	1.58215	3.83211	1.27625	9.55E-08	5.16E-06
Wfdc3_j1	0.0169914	0.0603759	1.82917	0.455273	1
Acot8	2.04172	2.21342	0	1	1
Pltp_j1	13.6825	16.6488	0.283091	0.010796	0.0905627
Zfp335_j5	0.0820876	0 -1.79769e+308		2.46E-09	1
Zfp335_j4	0.139546	0.23795	0.769916	0.00847	0.0757175
Zfp335_j7	1.3034	1.03156	-0.337457	0.112258	0.416968
Ncoa5_j2	2.94832	2.96217	0.00676106	0.970663	0.99168
Ncoa5	6.91941	7.65391	0.145547	0.242538	0.590017
Cdh22	0.636932	0.546625	-0.220588	0.398979	0.72264
Slc35c2_j3	1.30739	2.79555	0	1	1
Slc35c2_j4	0.945871	0.868924	0	1	1
Slc35c2_j5	3.44663	2.87504	0	1	1
Elmo2_j1	9.45319	9.59839	0	1	1
Elmo2	1.2251	2.3441	0	1	1
Elmo2	5.66986	5.20569	0	1	1
Zfp663_j1	0.0823929	0 -1.79769e+308		0.0034716	1
Zfp663_j2	0.337091	0 -1.79769e+308		3.91E-10	3.51E-08
Zfp334	0.55694	0.48821	0	1	1
Slc13a3	2.33632	1.94935	-0.261241	0.129172	0.447938
2810408M09Rik	1.68003	1.72384	0	1	1
Gm11460	49.635	54.29	0.12933	0.316394	0.660085
Zmynd8_j11	0.230675	0	0	1	1
Zmynd8_j12	0.548542	1.00682	0	1	1
Sulf2_j1	5.27356	5.38855	0	1	1
Sulf2	0.469134	0.494338	0	1	1
Gm14267_j1	0.0962465	0 -1.79769e+308		0.029798	1
Prex1_j2	4.30468	4.33153	0.00897217	0.960932	0.988919
Prex1_j3	0.0883261	0 -1.79769e+308		0.0002477	1
Prex1	3.07436	2.25214	-0.448989	0.0015332	0.0201046
Stau1	12.0807	13.1206	0	1	1
Gm11470	8.41278	8.08019	-0.0581943	0.698345	0.888784
Znfx1_j1	1.10804	0.739989	0	1	1
Znfx1	4.18104	2.89136	0	1	1
Kcnb1_j6	1.16705	0.780866	0	1	1
B4galt5_j3	0.954703	0.000341408	0	1	1
B4galt5_j5	0.76849	0	0	1	1
B4galt5	15.0665	12.8359	0	1	1
Spata2_j2	5.33727	3.95338	0	1	1
Tmem189	44.0625	43.4281	0	1	1
Fam65c_j6	0.166196	0 -1.79769e+308		3.68E-05	0.0009201
Fam65c	0.0690625	0.0704311	0.0283095	0.965582	1
Fam65c_j8	0.197194	0.0246621	-2.99924	0.0199272	0.140434
Adnp	5.67556	5.15636	0	1	1
Kcng1_j1	0.917064	1.12777	0.298382	0.141439	0.467806
Atp9a_j3	40.327	36.1607	0	1	1
Atp9a_j4	7.61738	26.1882	0	1	1

Atp9a	64.8485	54.8048	0	1	1
Zfp64	4.12983	4.46868	0.113765	0.438	0.747865
XLOC_019370	0.16306	0.0865252	-0.914213	0.24209	0.589516
Zfp217_j2	0.0674406	0 -1.79769e+308		0.0044714	1
Bcas1_j2	0.998381	1.20545	0	1	1
Bcas1_j1	0.830957	1.0386	0	1	1
Aurka	2.20336	2.09957	0	1	1
Bmp7	0.216197	0.267746	0.308521	0.473806	0.770193
Ctcf_l_j1	0.108558	0.0823989	-0.397766	0.751846	1
Zbp1_j4	0.0485961	0.0196697	-1.30486	0.559263	1
Zbp1	0.232214	0.222885	-0.0591539	0.925362	0.976852
Pmepa1	18.5648	19.5189	0.072307	0.431833	0.743877
Ppp4r1l-ps_j1	0.0682571	0.020704	0	1	1
Ppp4r1l-ps_j2	0.389655	0.344397	0	1	1
Ppp4r1l-ps_j6	0.0508589	0	0	1	1
Ppp4r1l-ps_j7	0.177906	0.125613	0	1	1
Ctsz	26.443	34.486	0.383125	0.0002152	0.0040741
Atp5e	125.916	131.431	0.0618443	0.525223	0.8006
Slmo2_j1	13.3004	13.7937	0	1	1
Slmo2	9.17915	7.79634	0	1	1
Gm14326_j1	0.499243	0.470631	-0.0851451	0.709571	0.894305
Ppp1r3d	2.41608	2.8061	0.215897	0.158208	0.492412
Taf4a_j4	1.65649	1.58027	0	1	1
Taf4a_j5	0.251652	0.0879261	0	1	1
Taf4a_j6	0.182476	0.0546329	0	1	1
Taf4a_j2	1.98574	2.54115	0	1	1
Psm7	24.9918	27.2157	0	1	1
Psm7_j1	110.34	116.135	0	1	1
Hrh3_j3	0.722132	0.0941208	-2.93968	0.0007816	0.0117553
Hrh3	0.312116	0.118712	-1.39461	0.0553009	0.274555
Hrh3_j2	0.113376	2.89E-05	-11.9356	0.967247	1
Lama5_j3	0.0524495	0.175961	1.74626	0.0020516	0.0255028
Cables2_j6	0.483742	0.287102	0	1	1
Cables2_j5	2.01944	0.927642	0	1	1
AK045814_j4	0.484216	0.248537	-0.962188	0.100024	0.391628
AK045814	0.000887003	0.0496742	5.80741	0.662473	1
AK045814_j1	0.305461	0.304327	-0.00536614	0.993278	0.997985
AK045814_j9	0.839107	0.454367	-0.884995	0.0464707	0.247267
AK045814_j10	0.242054	0.0769671	-1.65301	0.17349	0.511284
Dido1	0.80447	0.512723	0	1	1
Dido1	0.483801	0.483175	0	1	1
Ythdf1_j1	0.245448	0 -1.79769e+308		1.17E-05	0.0003535
Ythdf1	2.81247	2.62846	-0.0976224	0.623074	0.852674
Nkain4	7.16438	7.05035	-0.023147	0.889103	0.964761
Chrna4	0.917072	0.355754	-1.36616	1.54E-05	0.0004475
Eef1a2_j3	426.836	399.199	0	1	1
Eef1a2_j4	146.688	120.599	0	1	1

Srms	0.246108	0.279668	0.184424	0.661446	0.871676
BC006779_j5	0.128079	0.0172743	-2.89034	0.0091621	1
BC006779_j15	0.0851026	0.0492955	-0.787747	0.54779	1
Gmeb2	4.29969	4.29852	-0.000394234	0.997505	0.999228
Stmn3_j2	2.60821	2.15279	0	1	1
Stmn3	206.553	214.181	0	1	1
Stmn3_j6	2.70769	4.05935	0	1	1
Arfrp1_j1	6.19164	6.21075	0.00444618	0.975692	0.992948
Zbtb46_j2	0.461014	1.05569	1.1953	4.17E-06	0.0001444
Zbtb46	1.13017	0.259454	-2.12299	2.72E-05	0.0007112
Znf512b_j1	1.65294	1.29803	0	1	1
Znf512b_j3	4.01386	4.52715	0	1	1
Samd10_j1	6.53999	7.96959	0	1	1
Samd10_j2	3.12475	2.62642	0	1	1
Samd10	4.38875	3.28423	0	1	1
Samd10	3.43742	3.28022	0	1	1
Rgs19	1.86202	1.59955	0	1	1
Fam171a1_j3	4.34356	3.72107	0	1	1
Acbd7_j2	0.165422	0.164475	0	1	1
Acbd7_j1	0.372487	0.254637	0	1	1
Acbd7_j3	0.795076	0.663959	0	1	1
Dclre1c_j2	0.754381	1.05138	0	1	1
Cdnf_j1	0.0853478	0 -1.79769e+308	0.0010304		1
Frmd4a_j4	0	0.0831499	0	1	1
Frmd4a_j2	2.30462	1.16565	0	1	1
Bend7	0.300849	0.242408	-0.311598	0.495691	0.782921
Bend7_j6	0.494145	0.0132466	-5.22124	0.023263	0.1563
Nudt5_j2	1.51483	1.62662	0.102722	0.508617	0.790419
Ankrd16	0.801888	0.743748	0	1	1
Ankrd16_j13	0.555829	0.64421	0	1	1
Stam_j3	0.0534219	0.132938	0	1	1
Cacnb2_j5	0.248695	0.176214	-0.497052	0.407705	0.728185
XLOC_017895	0.116338	0.132817	0.191108	0.876662	1
Plxdc2_j2	3.07339	3.93911	0.358038	0.0029795	0.0342587
XLOC_017896	1.10138	1.14031	0.0501202	0.794683	0.931482
Mllt10_j1	3.30757	2.7207	-0.281793	0.145899	0.473936
Mllt10_j3	1.01916	1.16255	0.189904	0.367691	0.701085
Bmi1_j2	0.6496	1.39209	0	1	1
Etl4_j13	0.604212	0.383563	0	1	1
Etl4_j14	2.35763	0.903999	0	1	1
XLOC_017921	0.0556935	0.159919	0	1	1
XLOC_017921	0.00553018	0.0860662	0	1	1
Wdr85	2.19473	2.15025	-0.029536	0.863914	0.956651
Pnpla7_j7	0.159347	0.114945	-0.471231	0.584269	0.833357
Nelf	6.73531	6.23903	0	1	1
Npdc1_j2	26.5415	30.3619	0.194012	0.113429	0.419202
Fut7	0.092775	0.0419493	-1.14509	0.324989	1

Abca2_j7	0.885199	1.00085	0.177158	0.388167	0.715717
Fbxw5	20.0659	19.6256	-0.0320067	0.772786	0.922935
Kcnt1_j4	12.4936	10.6458	0	1	1
mKIAA1422	20.899	17.9867	0	1	1
Gpsm1_j2	0.000175175	0.120277	0	1	1
XLOC_017948	0.640399	0.604844	0	1	1
Pmpca_j1	1.83081	1.6108	0	1	1
Pmpca_j4	11.1181	11.8177	0	1	1
AK075572_j1	1.48044	1.53621	0.053349	0.810922	0.938047
Surf2	3.62383	3.80464	0.0702444	0.597536	0.840303
Gm711_j2	0.0578302	0 -1.79769e+308	0.0845567		1
Adamts12	0.161566	0.224459	0.474327	0.327797	0.670398
Rxra_j1	0.00436188	0.628229	0	1	1
Col5a1_j5	0.00204449	0.0957256	0	1	1
F730016J06Rik_j4	0.281165	0.268655	-0.0656664	0.831795	0.945814
Gm347_j3	0.0329646	0.0604744	0.875407	0.316272	1
Gm347_j4	0.216849	0.0464966	-2.22149	0.0031855	0.0361665
Ak8_j1	0	0.0923732 1.79769e+308	0.0389113		1
Ak8_j2	0.900382	0.852732	-0.0784443	0.814594	0.939483
Ddx31	1.23893	1.25521	0	1	1
Ddx31_j4	0.256376	0.481817	0	1	1
Setx	0.784279	0.729712	-0.104039	0.752434	0.914477
Med27_j1	2.54827	2.28932	-0.154598	0.75651	0.91608
Rapgef1_j2	0.311715	0.538327	0	1	1
Rapgef1	3.06577	3.18716	0	1	1
Rapgef1_j7	0.761782	0.715585	0	1	1
Odf2_j7	0	0.184222 1.79769e+308	0.0112424	0.0935025	
Odf2_j8	0.372027	0.249061	-0.578908	0.286641	0.635431
Odf2_j10	3.15693	3.45857	0.131653	0.455232	0.759015
Odf2_j14	0.789958	1.13232	0.519434	0.261816	0.610988
Spna2_j7	0.952164	0.58892	0	1	1
Spna2_j11	68.5341	60.7565	0	1	1
Set_j2	0.632252	0.746826	0	1	1
Set_j6	2.48095	8.26606	0	1	1
Endog	0.283037	0.206552	0	1	1
Lrrc8a	3.69285	4.95295	0	1	1
Lrrc8a_j3	3.47655	0.939735	0	1	1
Phyhd1_j1	1.115	1.49928	0	1	1
Ppp2r4_j7	9.61695	23.5869	0	1	1
Usp20_j3	13.6275	12.0257	0	1	1
Usp20_j5	1.58555	1.08164	0	1	1
Fubp3_j2	0.835617	0.37786	0	1	1
Exosc2_j1	1.97812	1.34723	-0.554135	0.154338	0.487404
Lamc3_j5	0.436414	0.548722	0.330378	0.304421	0.650023
Nup214	2.27764	1.96492	-0.213066	0.157065	0.490842
Golga2	2.41951	2.22405	-0.121524	0.259936	0.608587
Ciz1	0	0.119358	0	1	1

Ciz1_j5	0.58217	0.601605	0	1	1
Ptges2_j2	6.09658	5.02051	-0.280167	0.214901	0.560432
Ptges2_j6	12.002	11.8147	-0.0226972	0.875471	0.960411
Fam102a_j2	19.6378	17.0434	-0.204419	0.0215216	0.148188
St6galnac4	0.323928	0.615175	0.925323	0.0017484	0.0224505
St6galnac6_j4	0.72609	0.690717	-0.0720529	0.900614	0.968396
Ak1_j1	40.0669	34.2058	0	1	1
XLOC_018026	0.148822	0.09215	-0.691533	0.468051	0.766788
Angptl2_j2	2.06713	2.60176	0	1	1
Mapkap1	2.45092	1.96926	0	1	1
Mapkap1_j4	4.16475	6.65569	0	1	1
D730039F16Rik_j1	0.0768705	0.0687925	-0.160179	0.932363	1
Gsn	12.3469	16.9971	0	1	1
Rabgap1_j2	3.07233	5.67348	0	1	1
XLOC_018045	0.0998026	0.124669	0.320954	0.736181	1
AK163151	0.604351	0.608	0.00868465	0.984606	0.995392
Gm13474_j2	0.183621	0.064388	-1.51187	0.355261	0.691216
Kif5c	28.3873	25.4536	0	1	1
Kif5c_j5	21.9721	16.063	0	1	1
Kif5c_j6	1.26473	12.2209	0	1	1
Lypd6b_j2	0.588814	0 -1.79769e+308		8.64E-10	7.32E-08
Lypd6b_j6	0.281596	0 -1.79769e+308		5.05E-05	0.0012017
XLOC_018073	0.185483	0.193667	0.0622882	0.951017	0.985865
Upp2	0.0670128	0.12561	0.906448	0.205894	1
Upp2_j6	0.575955	0.428277	-0.42741	0.19696	0.539831
Gm13558_j1	1.38622	1.02565	-0.434609	0.193772	0.536037
Upp2_j15	0.18859	0.000291323	-9.33842	0.789429	0.92976
Pkp4_j1	0.0394719	0.0767551	0.959437	0.335111	1
Tanc1_j3	3.24424	2.29166	0	1	1
Tanc1_j7	7.52568	6.05629	0	1	1
AK050909_j1	0.13025	0.231357	0.828835	0.249784	0.597201
Tank	7.54626	7.86494	0.0596737	0.662624	0.872127
Psm14_j3	25.0268	26.3937	0	1	1
Gca	3.46763	3.32078	0	1	1
Scn2a1_j7	0	0.0664536	1.79769e+308	0.10613	1
Scn2a1_j11	0.192558	0.0431108	-2.15917	0.0984397	0.387939
XLOC_018108	0.246309	0.340036	0	1	1
Ppig	3.11151	3.76025	0	1	1
Ppig_j1	1.09389	1.66186	0	1	1
Ppig	4.59989	3.56691	0	1	1
Phospho2	3.93065	3.34516	0	1	1
Ubr3_j1	0.16567	0.1126	-0.557104	0.30864	0.653546
Ubr3	3.82738	2.70411	-0.501205	0.0007278	0.0110786
Gorasp2_j1	0.0512072	3.57384	0	1	1
Dcaf17_j3	0.0144961	0.43199	4.89726	0.001858	0.0235843
Dcaf17_j1	0.164326	0.0217023	-2.92065	0.0332024	0.198786
Dcaf17_j5	0.221917	0 -1.79769e+308		0.001131	0.0157876

Dync1i2_j4	0.0499105	0	0	1	1
Dync1i2_j8	2.60535	3.16176	0	1	1
Metap1d_j7	0.497105	0.432126	-0.202101	0.695009	0.887479
XLOC_018136	0.0596012	0.0745819	0.323486	0.675463	1
B230120H23Rik_j1	0	0.119398	1.79769e+308	0.0010816	1
B230120H23Rik_j2	2.47303	4.03985	0.708022	1.43E-07	7.36E-06
Cdca7_j2	0	0.0936386	1.79769e+308	0.101906	1
AK013593	3.79214	4.05241	0.0957693	0.614597	0.847757
AK029663_j1	0.297616	0.379147	0.349306	0.497729	0.783786
Hoxd9_j1	4.02682	4.30921	0.0977812	0.610935	0.84666
Hoxd9	5.87674	5.59232	-0.0715701	0.640017	0.860827
Hoxd4_j1	2.07003	2.45441	0.245721	0.0312559	0.190848
Hoxd1	5.49724	3.7454	-0.553589	0.0010845	0.0152202
Mtx2_j3	27.5925	26.7445	-0.0450312	0.7527	0.914482
Agps_j2	2.74244	4.45811	0	1	1
Plekha3_j4	13.8072	12.6411	-0.1273	0.363021	0.697184
Ube2e3_j1	0	0.0756475	0	1	1
Ssfa2	4.18863	3.78275	0	1	1
Ssfa2	3.03899	3.56433	0	1	1
XLOC_018168	0.0602747	0.0673516	0.160161	0.888225	1
Ppp1r1c	44.8199	31.6499	-0.501938	1.61E-08	1.09E-06
Ppp1r1c_j1	94.251	82.7924	-0.18701	0.0452411	0.243436
SKRP1	2.55801	3.1735	0	1	1
Dusp19_j2	1.80594	2.72482	0	1	1
Dusp19	0.323393	0.358676	0	1	1
Nup35_j2	0.0824513	0.146869	0.832916	0.431065	1
Zc3h15_j1	22.6052	24.6689	0.12604	0.332596	0.673845
Itgav_j5	0	0.127483	0	1	1
Itgav_j6	0.0490401	0.0438594	0	1	1
Med19	1.39697	1.37773	0	1	1
Slc43a3_j1	0.103953	0.179015	0.784142	0.445138	0.752824
Ssrp1	0.25744	0.0648409	0	1	1
BC027685_j1	0.0284047	0.247627	3.12396	0.0009181	0.0133511
Nup160_j1	0.129994	0.129308	-0.00763524	0.986943	1
Nup160_j2	0.0198332	0.0513323	1.37195	0.19935	1
Psmc3	56.7933	56.4674	0	1	1
Sfpi1_j1	0.129973	0.229671	0.821352	0.30983	0.654431
A330069E16Rik	0.545047	0.538042	-0.0186614	0.975626	0.99292
Pacsin3_j1	0.662403	0.69323	0	1	1
Pacsin3_j2	0.577213	0.441001	0	1	1
Arfgap2_j2	0.432674	0.323423	-0.419858	0.245666	0.593119
Arhgap1	0.691691	0.874874	0	1	1
Chrm4	0.699615	0.650435	0	1	1
Phf21a_j17	0.57761	0.214546	0	1	1
Chst1_j4	0.525477	0.660949	0	1	1
Abtb2_j1	14.252	12.7622	0	1	1
Lmo2_j1	0	0.096451	0	1	1

Cd59a_j4	1.27165	1.28132	0	1	1
Cd59a_j6	1.499	2.14733	0	1	1
Cstf3_j2	4.51529	6.20756	0	1	1
Cstf3_j5	0.0386116	0.095273	0	1	1
Wt1_j3	0.0263904	0.214846	3.02522	0.0278843	0.177062
Mpped2	1.65628	1.43139	0	1	1
Mpped2_j2	3.95172	6.23347	0	1	1
Kcna4_j1	0.0856377	0.0709857	0	1	1
Lgr4_j2	9.37099	9.39788	0	1	1
Ccdc34_j3	2.5589	3.36514	0.395145	0.136257	0.45927
Slc12a6_j1	0.749189	0.726049	0	1	1
2410042D21Rik	1.55971	0.84938	-0.876793	0.0030051	0.034463
2900064A13Rik_j1	27.7484	24.9093	-0.155718	0.401188	0.724522
Fmn1_j2	0.807943	2.13528	0	1	1
Fmn1_j3	8.66738	5.42628	0	1	1
AK083230_j2	0.104039	0.0704296	-0.562874	0.629722	1
Disp2_j1	0.0846958	0	0	1	1
Disp2_j2	5.06427	3.64674	0	1	1
D2Ert750e_j1	0.0678912	0.117668	0.793424	0.497938	1
Ivd_j1	1.87065	1.02455	-0.868544	0.0456152	0.244446
XLOC_018297	0.182331	0.0254863	-2.83876	0.0679959	0.3122
Gm14088	11.8811	12.7935	0.106739	0.683979	0.881899
Tyro3_j1	1.78831	1.06806	-0.743612	0.0037942	0.0413312
Mga_j10	0	0.0863217	1.79769e+308	0.0004071	1
Mga_j11	0.357113	0.162182	-1.13877	0.0071161	0.0667355
Mapkbp1_j9	0.930231	1.9525	1.06967	2.94E-09	2.26E-07
Mapkbp1_j8	0.114572	0.161003	0.490835	0.346866	0.685763
Pla2g4b_j6	1.05028	0.90063	-0.221763	0.556849	0.819299
Capn3_j3	1.09282	1.18209	0	1	1
Haus2_j1	7.73417	7.93695	0	1	1
Tmem62_j1	4.08115	3.99602	-0.0304091	0.847204	0.951638
Tmem62_j2	8.76325	8.75088	-0.00203866	0.988051	0.996422
Adal_j2	0.400216	0.481195	0.265844	0.479206	0.773541
Adal_j1	3.27194	3.05464	-0.0991416	0.467516	0.766717
Ckmt1_j1	24.6783	20.3675	0	1	1
Serf2_j1	0.314322	0	-1.79769e+308	7.02E-10	6.06E-08
Casc4	6.07932	5.8546	0	1	1
Pldn_j1	6.74302	6.36249	-0.0838034	0.557134	0.819417
Sema6d_j2	4.76821	4.2042	0	1	1
Ctxn2_j3	0.62252	1.04294	0.744461	0.214652	0.560036
Galk2	2.76679	2.46612	0	1	1
Galk2_j2	0.119982	0.052314	0	1	1
Galk2	3.06108	3.6502	0	1	1
Fgf7	0.123889	0.190272	0.619018	0.407016	0.727764
Fgf7_j3	0.278569	0.149633	-0.896605	0.263917	0.612664
Usp8_j4	12.0902	11.6541	0	1	1
Ap4e1_j2	1.43101	1.59498	0	1	1

Blvra	10.3792	10.0976	0	1	1
Snrnp200	0.434432	0.331766	0	1	1
Gpat2_j1	0.0903352	0.060414	-0.580405	0.62082	1
Mrps5_j4	1.7979	2.02617	0.172437	0.621274	0.851544
Mertk	0	0.0916581	1.79769e+308	0.0080185	1
Mertk_j5	0.708494	1.03642	0.548785	0.110404	0.413489
Tmem87b_j2	3.88435	3.42714	-0.180665	0.240848	0.588146
Zc3h6_j6	0.155884	0.298974	0.939545	0.146488	0.474802
Zc3h6_j8	0.531322	0.351104	-0.597688	0.160864	0.495486
Zc3h6_j7	0.0826649	0.308843	1.90153	0.002418	0.0290788
Polr1b_j2	1.84314	2.09514	0.184887	0.414599	0.732858
Chchd5_j1	0.582271	1.63908	1.49312	0.07107	0.320489
Slc20a1_j1	0.215858	0.0578842	-1.89884	0.0092849	0.0811268
Sirpa	0.518582	0.452259	-0.197424	0.705191	0.892225
Ebf3_j6	0.0785696	0.143984	0	1	1
Vps16_j2	3.41787	3.22167	0	1	1
Ptpa	0.662065	0.519625	0	1	1
Mrps26_j2	22.9032	26.5058	0.210756	0.0703168	0.318545
Itpa_j4	0.0706396	0.121292	0.77994	0.526781	1
Itpa_j9	0.0666363	0.168977	0	1	1
Atrn_j2	1.75373	5.12387	0	1	1
Atrn_j3	4.49507	5.93116	0	1	1
Hspa12b_j1	2.58901	2.39786	0	1	1
Mavs	0.259778	0.126413	-1.03913	0.0580058	0.2826
Smox	13.1151	16.3536	0.318377	0.0041988	0.044419
Prnp	205.084	198.483	-0.0471962	0.586337	0.83433
Gm14051_j1	0.0197902	0.0566676	0	1	1
1110034G24Rik	8.20157	8.57814	0.0647642	0.672566	0.876366
Mcm8_j2	0.526569	0.473003	0	1	1
Plcb4_j4	2.83841	0.986681	0	1	1
Plcb4_j3	0.028219	0.071534	0	1	1
Snap25_j2	39.0723	36.5825	-0.0949928	0.437419	0.747672
AK042765_j1	0.0525474	0.0676631	0.36475	0.788638	1
Macro2_j3	0.0773079	0.109523	0.502541	0.797012	1
XLOC_018427	0.269812	0.0281467	-3.26092	0.0507437	0.26086
Csrp2bp_j3	1.04711	0.617169	-0.762676	0.013848	0.108638
Csrp2bp_j2	0.156181	0.151432	-0.0445495	0.946961	0.98431
Sec23b	15.8055	15.1614	0	1	1
Slc24a3_j1	2.85184	3.37507	0.243024	0.254504	0.602758
Rin2_j6	0.393857	0.276468	-0.51056	0.206746	0.551364
4930529M08Rik_j3	0.361054	0.320289	-0.172841	0.73476	0.906438
Gzf1_j1	2.46232	1.98344	0	1	1
Gzf1_j2	2.30048	2.87424	0	1	1
Cstl1_j9	0.162324	0.270057	0	1	1
Cstl1_j11	0.106172	0.0180112	0	1	1
Zfp937_j1	0.47042	0.458389	0	1	1
Entpd6	8.54508	7.40834	-0.205943	0.111941	0.416333

Nsf1c_j6	0.566556	0.844378	0.57567	0.0737146	0.327189
Fkbp1a_j2	0.960291	1.44875	0.593265	0.153018	0.48502
Sdcbp2	0.0282493	0.195993	2.79452	0.0366937	0.211804
Sdcbp2_j1	0.674096	0.825338	0.29203	0.376607	0.70856
5430405G05Rik_j1	0.0651822	0.231585	1.82899	0.149838	0.479601
Rspo4_j1	0.133152	0.226037	0.763485	0.129552	0.448468
Scrt2	3.91573	3.57956	-0.129501	0.352562	0.689448
Srxn1_j1	5.97637	14.2431	1.25292	0	0
Csnk2a1_j2	1.39232	1.1292	-0.302197	0.256862	0.60573
6820408C15Rik_j1	2.17032	2.1865	0.010713	0.954578	0.986881
6820408C15Rik_j6	0	0.0516299	1.79769e+308	0.22879	1
Rem1_j1	0.0685848	0.0601506	-0.189308	0.898827	1
Rem1	0.223677	0.127194	-0.814387	0.205752	0.550218
Tpx2_j7	0.326074	0.395609	0.278874	0.515316	0.794119
Tpx2_j6	0.0386356	0.0854802	1.14566	0.307952	1
Ttll9_j2	0.11268	0.0178643	0	1	1
Ttll9_j3	0.40431	0.414487	0	1	1
BC020535_j2	0	0.134217	1.79769e+308	0.0337724	1
BC020535_j3	0.0649591	0.170929	1.3958	0.235991	0.583321
BC020535_j8	0.0647681	0.000474786	-7.09186	0.888001	1
Kif3b_j1	2.4957	4.54809	0	1	1
Kif3b_j3	1.963	3.56615	0	1	1
XLOC_018486	0.0729493	0.078764	0.110642	0.949105	1
U46068_j1	0.289173	0	-1.79769e+308	5.29E-06	0.0001778
Cbfa2t2_j4	1.33594	1.5484	0	1	1
Chmp4b_j1	4.81175	3.54832	-0.439424	0.0549494	0.273423
Raly_j2	77.7584	78.7985	0.0191694	0.832175	0.945814
Itch	1.42203	0.96298	0	1	1
Dynlrb1	34.4274	41.5687	0.27194	0.0206226	0.143909
Dynlrb1_j2	7.29463	0	-1.79769e+308	6.70E-12	8.50E-10
Dynlrb1_j3	114.147	115.163	0.0127826	0.908088	0.971038
XLOC_018498	0.0507622	0.0288337	-0.816	0.567874	1
Trp53inp2_j3	12.7998	9.14069	-0.485747	2.92E-05	0.0007568
Acss2	23.0532	26.7018	0	1	1
Myh7b_j11	1.26774	0.750227	0	1	1
Cep250_j7	0.339195	0.595919	0	1	1
Phf20_j7	0.281269	0.252267	0	1	1
Phf20_j12	2.24983	2.33895	0	1	1
Epb4.1l1_j4	2.56629	2.35602	0	1	1
Epb4.1l1_j9	12.6397	10.6759	0	1	1
Dlgap4	1.91857	3.02325	0.656067	0.0296862	0.184452
Rpn2_j6	5.84537	10.9006	0	1	1
Src_j3	0.992539	0.750271	0	1	1
Nnat	0.221538	0.415115	0	1	1
Nnat	0.622792	1.02423	0	1	1
Ctnnbl1_j2	18.7775	16.7007	-0.169097	0.375998	0.708112
Rprd1b	0.629418	0.61407	0	1	1

Actr5_j4	0.394695	0.550547	0.480125	0.299683	0.646333
Fam83d_j2	0.265965	0	-1.79769e+308	0.0002276	0.0042745
Dhx35_j2	1.11909	0.603376	0	1	1
XLOC_018534	0.246189	0.114308	-1.10684	0.420655	0.736821
Plcg1_j4	0.796979	0.796386	-0.00107348	0.994994	0.998626
XLOC_018538	0.201382	0.161974	-0.314169	0.839881	0.949215
9430021M05Rik	0.0839771	0	-1.79769e+308	0.0180991	1
9430021M05Rik_j6	3.20764	3.52832	0.13747	0.497364	0.783786
Srsf6_j2	12.2623	12.6613	0	1	1
Srsf6_j4	2.93595	2.50163	0	1	1
Srsf6_j6	0	0.857926	0	1	1
L3mbtl_j13	0.565988	0.326961	-0.791652	0.0414885	0.229503
Ift52	0.62806	0.62921	0.00263876	0.992245	0.997671
Tox2_j1	2.02696	2.78005	0	1	1
Tox2_j3	4.45647	4.84162	0	1	1
Ttpal	0.958726	1.055	0.138052	0.463571	0.764005
Ywhab_j1	0.497082	0.376903	-0.39929	0.56023	0.821025
Pabpc1l_j4	0.283702	0.342792	0.272959	0.754761	0.915405
Wfdc2_j1	0.0798586	0.165617	1.05233	0.427294	0.741741
Snx21_j6	4.44218	4.68748	0	1	1
Zswim1_j2	4.99566	5.01603	0	1	1
Zswim1_j1	3.25241	3.09083	0	1	1
Ctsa	0.223455	0.17537	-0.349578	0.560936	0.821428
Pcif1_j1	0.257475	0.259795	0.0129409	0.965118	0.990054
Ncoa3_j1	0.787676	0.782361	0	1	1
1500012F01Rik_j1	7.53132	8.16691	0	1	1
1500012F01Rik	11.5875	13.2465	0	1	1
AY672066_j1	2.3221	1.97065	0	1	1
AY672066_j2	1.28006	1.04534	0	1	1
Slc9a8	0.293354	0.328592	0.163655	0.731442	0.904975
Slc9a8_j2	5.39577	4.75452	-0.182529	0.364056	0.698263
Rnf114_j1	3.49494	5.45015	0	1	1
Snai1	0.344519	0.404355	0.231041	0.55449	0.817566
Gm14321_j1	0.34303	0.201218	-0.769577	0.264795	0.613677
XLOC_018597	0.187917	0.159555	0	1	1
Tshz2	8.72185	7.65732	0	1	1
Tshz2_j1	9.34839	8.32584	0	1	1
Pfdn4_j4	7.71768	6.76413	-0.190262	0.70697	0.893169
BC049717_j3	0.0972256	0.149894	0.624531	0.419786	1
2410001C21Rik_j3	1.88872	2.21711	0	1	1
Rab22A	0.681011	0.931093	0.451248	0.0510297	0.261833
Vapb	12.4082	11.3204	-0.13237	0.16467	0.500686
Stx16_j1	0.153434	0	-1.79769e+308	0.0001559	0.0031172
Stx16	8.66455	9.57889	0.144734	0.218369	0.564804
Stx16	1.14131	1.96542	0.784144	0.0009945	0.0142529
Npepl1_j3	1.11174	2.09006	0	1	1
Gnas_j1	0.350175	0.619495	0	1	1

Gnas_j3	1.0333	1.19066	0	1	1
Th1l_j1	2.11388	3.53382	0.741339	0.0024677	0.0295306
Gm14403_j1	0.11156	0.0996908	0	1	1
Gm14403_j2	1.75472	1.48797	0	1	1
Phactr3	2.26935	3.78771	0	1	1
XLOC_018636	4.7975	5.16574	0	1	1
Osbpl2	2.36867	2.65985	0	1	1
Rps21_j2	76.0096	76.8417	0.0157089	0.905414	0.969961
Slco4a1_j3	0.212843	0.0493877	-2.10757	0.114674	0.421286
Col9a3_j1	0.472393	0.351768	-0.425363	0.382014	0.712175
2310003C23Rik_j1	0.336307	0.562661	0.742489	0.044322	0.24008
Arfgap1_j2	0.14127	0.0578881	-1.28712	0.0469469	0.24858
Arfgap1_j5	1.10414	1.02401	-0.108688	0.587767	0.835072
Ppdpf_j5	3.12797	4.09709	0	1	1
Ppdpf	2.23759	2.71315	0	1	1
Ppdpf_j7	3.25044	3.62095	0	1	1
Rtel1	0.280654	0.407166	0	1	1
Rtel1_j2	1.00935	1.14863	0	1	1
Zgpat_j4	0.990966	0.978231	0	1	1
Tpd52l2_j3	14.4717	17.6699	0	1	1
Dnajc5	6.59815	5.80955	0	1	1
Dnajc5_j2	1.81613	2.40443	0	1	1
Prpf6_j3	0.0498245	0	0	1	1
Tcea2_j3	6.57716	6.64135	0	1	1
Tcea2_j4	6.31667	5.206	0	1	1
Myt1	1.09747	0.76371	-0.523088	0.0363612	0.210784
Myt1_j16	9.20593	9.48281	0.0427519	0.740488	0.909073
Pcmdt2_j2	9.53726	9.14917	-0.0599331	0.616166	0.84872
Suv39h2	0.369246	0.349773	0	1	1
Suv39h2_j1	0.915264	0.821741	0	1	1
Prpf18	1.08034	1.1188	0	1	1
Camk1d_j3	0.834985	0.854939	0	1	1
Sec61a2_j2	7.76618	7.73189	-0.00638383	0.953501	0.98654
Taf3_j1	0.00844048	0.22283	4.72247	0.0036664	0.0403837
Atp5c1_j1	0.404861	0.273278	-0.567055	0.472161	0.769302
Atp5c1_j5	0	0.235614	1.79769e+308	0.0676377	0.31119
Fbxo18	0.417665	0.415675	0	1	1
Fam188a_j6	13.677	10.4619	0	1	1
Rsu1_j2	9.47089	12.6282	0	1	1
Cubn_j1	0	0.0491963	1.79769e+308	0.174066	1
Trdmt1_j7	0.290538	0.12419	-1.22618	0.334789	0.675569
Ptpla_j6	0.201137	0.224016	0.155424	0.828024	0.944579
Ptpla_j8	0.457393	0.46202	0.014523	0.979401	0.994006
Nsun6_j6	0.399606	0.846713	1.08329	0.0772654	0.336407
Nsun6	0.57791	0.557933	-0.0507537	0.823115	0.942983
Nabl_j1	0.512952	0.47091	-0.123371	0.900385	0.968327
Nabl_j1	0.579691	0.83244	0.522063	0.0777213	0.337517

Pip4k2a_j1	0.633495	0.317201	0	1	1
Arhgap21_j1	1.60767	1.53065	0	1	1
Mastl_j1	0.0964133	0.197976	0	1	1
Mastl_j2	0.156955	0.154145	0	1	1
Pax8_j2	0	0.0616163	1.79769e+308	0.115277	1
Cacna1b_j7	0.871773	1.59197	0	1	1
Ehmt1_j1	0.317381	0.40231	0.342092	0.379596	0.710915
Ehmt1_j2	0.146547	0.135114	-0.117189	0.841491	0.949916
Tubb2c_j3	5.90279	5.06334	0	1	1
Ndor1_j7	0.0986775	0.986839	0	1	1
Ndor1_j8	0.554418	0.665681	0	1	1
Ndor1_j9	0.465459	0.794534	0	1	1
Ssna1_j1	2.30069	4.22008	0.875201	0.0103067	0.0874818
Ssna1	23.0136	27.6292	0.263704	0.0586579	0.284695
Grin1	28.9347	20.8088	-0.475605	2.51E-07	1.21E-05
C8g	0.87817	0.660457	-0.411037	0.229792	0.576876
Traf2_j1	0.0819701	0	-1.79769e+308	0.0006036	1
B230208H17Rik_j2	5.28338	6.32148	0	1	1
B230208H17Rik_j4	3.69447	2.25109	0	1	1
Tmem141_j1	1.93502	2.7203	0	1	1
Ubac1_j1	18.5936	22.1726	0.253976	0.157933	0.49215
Ubac1_j3	0.808709	0.489088	-0.725526	0.178084	0.517525
Nacc2_j1	11.7963	7.70751	0	1	1
Nacc2_j2	1.39008	1.67001	0	1	1
Qsox2	0.134248	0.120175	-0.159766	0.85371	1
Dnlz_j1	2.26198	4.12782	0	1	1
Sdccag3_j2	4.33191	6.65714	0	1	1
Inpp5e_j4	6.97039	5.90093	0	1	1
Sec16a_j7	1.34828	2.03665	0	1	1
Sec16a	3.00577	2.77624	0	1	1
Agpat2_j1	0.502511	0.240416	-1.06362	0.183472	0.524089
Snhg7_j1	0.195938	0.226627	0.209922	0.888988	0.964761
Snhg7_j4	0.76794	0.898704	0.226853	0.61785	0.849638
Med22	0.660226	0.824628	0.320783	0.290752	0.638092
Surf1_j4	6.21216	6.89362	0.150167	0.365846	0.699768
Surf1	8.96076	5.99577	-0.579675	0.0006329	0.0099044
Surf4	25.2401	28.1007	0.154887	0.0758921	0.332821
Rexo4_j1	4.49629	5.24376	0.221867	0.270737	0.61996
Slc2a6_j2	0.392313	0.457395	0	1	1
Slc2a6_j3	8.21165	7.91677	0	1	1
Sardh	0.472214	0.630054	0.416036	0.13829	0.462436
VAV2_j4	3.71584	2.81502	0	1	1
Brd3	2.56757	2.22177	0	1	1
Gtf3c4	0.790407	0.576157	0	1	1
Ntng2_j2	0.145215	0.12095	0	1	1
Zer1_j2	2.40135	2.70291	0	1	1
Zer1_j1	0.730557	0.563944	0	1	1

Ccbl1_j1	0.411433	0.363756	-0.177686	0.771375	0.922323
Ccbl1_j2	0.000323938	0.211672	9.3519	0.813613	0.939161
Sh3glb2_j5	1.33728	0.906723	0	1	1
Sh3glb2	18.0609	13.738	0	1	1
Crat_j2	5.67222	7.52958	0	1	1
Fnbp1_j9	0.931779	0.93632	0	1	1
Fnbp1_j8	0.701088	0.434994	0	1	1
Fnbp1	9.2054	7.132	0	1	1
AK076583	9.60028	9.96748	0.0541528	0.660715	0.871339
Uck1_j2	0.0892022	0.0646482	-0.464469	0.608922	1
2900010J23Rik	134.772	163.977	0.282966	0.0015546	0.0203315
Dnm1_j5	0.147884	0.165919	0	1	1
Cdk9	2.46882	1.92166	-0.361464	0.149698	0.47931
Stxbp1_j1	0	11.8834 1.79769e+308		1.11E-46	3.88E-44
Lrsam1_j2	33.5674	27.1036	0	1	1
Slc2a8_j1	0.17405	0.318251	0	1	1
Garnl3_j5	11.9152	15.8259	0	1	1
Pbx3_j4	0.0640049	0	0	1	1
Gapvd1_j3	1.29204	1.54281	0	1	1
Gapvd1_j2	3.74761	3.13502	0	1	1
Rabepk	3.2877	3.30914	0	1	1
Fbxw2_j2	0.735588	1.77171	0	1	1
Psm5_j1	6.40452	6.23542	-0.0386022	0.833428	0.946358
Traf1_j2	0.213453	0.0837746	-1.34934	0.112277	0.416976
Traf1_j4	0	0.108875 1.79769e+308		0.0455403	1
Rab14_j1	6.93572	5.54123	0	1	1
Ggta1_j5	0.280011	0.386794	0	1	1
Ggta1_j6	0.0838326	0	0	1	1
XLOC_018851	0.0750879	0.0629716	-0.253879	0.866481	1
Ttll11_j2	0.899827	1.07617	0	1	1
Pdcl_j1	9.0207	9.17053	0	1	1
Zbtb6	0.265751	0.247931	0	1	1
Dennd1a_j4	0.594397	0.610664	0	1	1
Psm7	0.0663873	0.256092	1.94769	0.0040594	0.0433603
Psm7_j2	65.1835	64.6815	-0.0111538	0.918851	0.974658
Nr6a1_j8	0.149307	0.0314917	-2.24524	0.133237	0.454201
Gtdc1_j2	0.143669	0.131491	-0.127781	0.866918	0.957889
Zeb2	1.80099	1.47217	0	1	1
Orc4	4.58142	3.94951	0	1	1
Orc4_j1	1.83066	2.30429	0	1	1
Rbm43_j1	0.637128	1.05497	0	1	1
Rbm43	0.321748	0.393352	0	1	1
Nmi	0.639133	0.653159	0	1	1
Neb_j9	0	0.0614923 1.79769e+308		0.0266448	1
Arl5a_j2	17.507	17.9767	0	1	1
Stam2_j2	6.98672	7.37982	0.0789709	0.494265	0.782488
Prpf40a_j2	0.0174016	0.0630262	0	1	1

XLOC_018887	0.217048	0.1749	-0.311483	0.713348	0.896209
Nr4a2_j3	0	0.111531	1.79769e+308	0.0103831	1
AK044432	0.237565	0.29243	0.299772	0.544091	0.811218
Wdsub1_j1	1.34305	0.855737	0	1	1
Cd302	1.52138	1.6571	0	1	1
Pla2r1_j5	0.541188	0.546687	0.0145844	0.963199	0.989775
Pla2r1_j7	0.0176552	0.0667092	1.9178	0.108108	1
Rbms1_j1	2.54193	2.43581	0	1	1
Rbms1_j2	16.1487	16.9018	0	1	1
Rbms1_j8	4.45863	6.09894	0	1	1
Slc38a11_j6	0.10874	0.0150452	-2.85351	0.206143	1
Scn3a_j11	0.107379	0	-1.79769e+308	0.147329	1
Ttc21b_j2	1.00853	1.21251	0.265745	0.411521	0.730729
Scn9a_j2	12.7298	7.66388	0	1	1
Fastkd1_j1	2.54691	2.42615	0	1	1
4930578N16Rik_j4	0.23365	0.448896	0.942036	0.0768677	0.335214
4930578N16Rik	0.528163	0.344091	-0.61819	0.176363	0.515042
mKIAA0137_j3	0.50915	0.0715231	0	1	1
Mettl8_j1	0.164824	0.000834978	0	1	1
Mettl8_j4	0.572264	0.337955	0	1	1
AK086439_j2	0	0.0772701	1.79769e+308	0.180422	1
Sp3_j2	0.29566	0.190129	-0.636963	0.390796	0.717578
Gpr155_j3	0.884109	0.599315	0	1	1
Chrna1	0.14391	0.237852	0.724899	0.128681	0.446996
Atf2	5.04013	4.97454	0	1	1
Atp5g3_j2	82.2836	49.4836	-0.733653	7.72E-08	4.31E-06
Atp5g3_j3	0.852675	0.898089	0.0748627	0.912211	0.972333
Atp5g3	19.7732	22.0396	0.156555	0.201852	0.545319
6720416L17Rik_j1	3.7701	2.0811	-0.857257	0.0027764	0.032374
Pde11a_j3	2.43629	3.43274	0	1	1
Prkra_j1	0.980722	0.566747	0	1	1
Prkra_j2	3.95813	5.54145	0	1	1
Ccdc141_j3	0.486693	1.69377	0	1	1
Sestd1_j6	0.711568	0.413696	0	1	1
Zfp385b	2.53754	2.25936	0	1	1
Zfp385b_j1	2.75886	1.96231	0	1	1
Cwc22_j11	0.610656	0.618899	0.0193439	0.98077	0.994152
Pde1a_j1	0	0.384505	0	1	1
Nckap1_j8	2.62705	2.13269	0	1	1
Nckap1	22.243	26.2652	0	1	1
Tfpi_j2	0.0556026	0.149759	1.42942	0.310268	1
Ctnnd1	5.42602	4.348	-0.319542	0.0153923	0.117147
Serping1	3.75614	4.0759	0	1	1
Rtn4rl2_j2	1.38585	3.05408	0	1	1
P2rx3_j1	2.53766	4.8419	0	1	1
P2rx3_j2	6.3244	6.22173	0	1	1
Madd_j4	32.3388	41.3802	0	1	1

Madd_j14	0.975894	0.419622	0	1	1
Madd_j6	1.33903	0.821755	0	1	1
Madd_j5	4.42874	4.71107	0	1	1
Nr1h3_j3	0.522269	1.12008	1.10074	0.0759643	0.332913
Nr1h3	0.149078	0.141937	-0.0708189	0.941503	0.982178
Nr1h3_j4	0.0350038	0.129943	1.8923	0.191564	1
Ddb2_j1	5.79792	5.65964	0	1	1
Zfp408_j2	0.312607	0.250098	0	1	1
Atg13_j2	9.10444	8.14288	0	1	1
Atg13_j1	3.99538	4.48643	0	1	1
Mdk	0.330775	0.345296	0	1	1
Dgkz_j4	85.1595	85.6756	0	1	1
Dgkz_j5	98.6829	90.8884	0	1	1
Creb3l1_j2	0.183784	0.151851	-0.275354	0.819512	0.941524
Mapk8ip1	12.0206	10.9926	0	1	1
Mapk8ip1_j4	0.0883295	0.211023	0	1	1
Slc35c1_j2	6.06059	4.5813	0	1	1
Prdm11_j2	0.118817	0.215401	0.858288	0.16967	0.506699
Accs	0.420232	0.234632	0	1	1
Accsl_j3	0.234097	0.00988815	-4.56526	0.305185	0.650262
Alkbh3_j6	1.01861	1.36992	0.427494	0.28358	0.631938
Ttc17	0.188422	0.0699268	0	1	1
XLOC_019024	0.41945	0.391903	-0.0980038	0.837262	0.947974
XLOC_019035	0.0876883	0.100575	0.197812	0.848853	1
Cat_j1	28.4777	26.7549	0	1	1
Caprin1_j4	9.04529	8.39669	0	1	1
D430041D05Rik_j1	0.278333	0.220583	-0.335488	0.352499	0.68942
Hipk3	0.948737	1.26267	0	1	1
Eif3m_j1	0.256991	0.327696	0.350643	0.349879	0.687507
Eif3m	3.24652	2.99471	-0.116475	0.557867	0.819817
Elp4_j1	2.24633	2.25371	0.00473577	0.972065	0.991962
XLOC_019054	0.0451382	0.0510375	0.177212	0.926706	1
AK084494_j8	0.0989906	0.12035	0.281868	0.830388	1
AK084494_j7	0.0872272	0.0713792	-0.289276	0.851284	1
2700007P21Rik	0.488348	0.539367	0	1	1
Tmem85_j4	1.57895	0	0	1	1
Ryr3_j1	0.0357132	0.0585774	0.713885	0.581977	1
Ryr3_j19	0	0.059098	1.79769e+308	0.0925652	1
Ryr3	0.158502	0.284504	0.843943	0.0782876	0.339176
Scg5_j1	27.6059	27.7112	0	1	1
Rasgrp1	2.24012	1.47295	0	1	1
Gpr176_j1	1.42094	1.48868	0	1	1
A430105I19Rik_j2	0.483747	0.462747	0	1	1
A430105I19Rik_j3	0.381326	0.990715	0	1	1
Fam82a2_j2	1.17475	1.82019	0.631739	0.0896047	0.367183
Exd1	0.155726	0	-1.79769e+308	2.57E-07	1.24E-05
Ndufaf1_j2	0.0770312	0.172119	0	1	1

Rpap1	0.363384	0.432805	0	1	1
Rpap1_j5	0.219745	0.617486	0	1	1
Spnb5_j7	0.135105	0.185992	0.46116	0.432761	0.74445
Spnb5_j15	0.289838	0.269795	-0.103382	0.855374	0.954239
Vps39_j2	6.73899	7.93016	0	1	1
Zfp106_j2	0.159512	0.050685	0	1	1
Lrrc57	4.69521	6.2303	0	1	1
Cdan1_j2	0.13412	0.30221	0	1	1
Ttbk2_j1	6.0978	6.40251	0	1	1
Tgm5_j2	0.0677206	0.17097	1.33608	0.408806	0.729001
Trp53bp1_j1	2.8598	2.69761	0	1	1
Trp53bp1	3.66924	2.33218	0	1	1
Serinc4_j4	0.804056	0.854915	0.0884848	0.754305	0.915328
Mfap1a_j2	7.788	8.01434	0.0413303	0.814299	0.939438
Mfap1a_j3	3.16816	3.27231	0.0466682	0.845705	0.951231
Spg11_j2	3.87292	4.15597	0.101765	0.550002	0.815068
Spg11_j5	2.51151	2.44706	-0.0375068	0.768946	0.921317
Duoxa1_j4	0	0.0637605	1.79769e+308	0.0765104	1
Cep152_j12	0.113023	0.0297612	-1.92512	0.170171	1
Shc4_j5	29.1029	28.1058	-0.0502919	0.598479	0.840825
Gabpb1_j1	0.247239	0.566981	0	1	1
Usp50_j1	0.0790536	0.0693901	-0.188102	0.888895	1
Trpm7_j1	3.42147	4.32681	0	1	1
Ncaph_j2	0.149648	0.111712	-0.421795	1	1
Ciao1	0	0.168725	0	1	1
Kcnip3_j3	0.758198	0.388501	0	1	1
Kcnip3_j4	0	0.222157	0	1	1
Anapc1	3.75985	3.19819	-0.233423	0.0517972	0.263999
Anapc1_j6	2.06818	1.77464	-0.220835	0.145593	0.473519
XLOC_019158	0.298634	0.38383	0.362086	0.54102	0.809122
AI847159	0.216825	0.122106	-0.828394	0.538234	0.807862
AI847159	0.0784622	0.226693	1.53067	0.189591	0.531397
Idh3b_j2	0.453206	0.64518	0.509536	0.0532815	0.268698
Idh3b_j6	0.32913	0.32459	-0.0200416	0.969565	0.991454
Ubox5	1.7556	1.48709	0	1	1
Ubox5_j1	1.61304	1.3237	0	1	1
Prosapip1_j3	0	0.059573	0	1	1
Prosapip1	5.13207	5.66813	0	1	1
Ddrk1_j1	13.9482	13.803	-0.0150941	0.94841	0.985052
Slc4a11_j3	0	0.287658	0	1	1
Slc4a11_j4	0.552706	0.292598	0	1	1
4930402H24Rik_j4	1.441	2.04799	0	1	1
A730017L22Rik_j3	0.381381	0.403672	0.081952	0.829635	0.944941
mADAM33-alpha	0.103992	0.0921672	-0.174141	0.886522	1
Adam33_j9	0	0.212519	1.79769e+308	0.0224406	0.15274
1700037H04Rik_j1	5.49781	5.38764	0	1	1
1700037H04Rik_j4	23.6174	31.2098	0	1	1

1700037H04Rik_j5	28.8308	30.8322	0	1	1
5730494N06Rik_j1	24.1849	16.6401	0	1	1
5730494N06Rik	2.18915	1.47332	0	1	1
Pcna_j4	0.0916259	0.426574	2.21897	0.0338378	0.201353
Pcna_j2	0.0807521	0.166698	1.04567	0.239045	0.586151
Prokr2_j1	0.0529093	0	0	1	1
Gpcpd1_j1	0.868695	0.912846	0	1	1
Gpcpd1_j2	4.42342	2.94207	0	1	1
Trmt6_j1	2.02145	2.36224	0	1	1
Lrrn4_j1	0.264467	0.242818	-0.123216	0.812027	0.938348
Pak7_j1	0.201145	0 -1.79769e+308		2.34E-05	0.000629
Mkks_j2	0.544716	0.632503	0	1	1
Jag1_j4	0.0578515	0.0600338	0	1	1
Jag1_j5	0.739733	1.1037	0	1	1
Tasp1	1.64619	1.92474	0	1	1
Tasp1_j1	0.81499	1.24533	0	1	1
AK035754_j2	0.868833	0.602323	0	1	1
AK035754_j1	0.746081	0.527652	0	1	1
Rrbp1_j1	8.83847	8.65281	0	1	1
Snx5_j1	11.3223	11.7803	0.0572108	0.630625	0.85639
Ovol2_j1	0.0699006	0.134847	0.947945	0.477689	1
6330439K17Rik	2.77671	0.139749	0	1	1
6330439K17Rik_j4	2.58639	3.32829	0	1	1
Crnk11_j1	3.66836	3.70857	0.0157296	0.905841	0.970104
Ralgapa2_j1	3.37691	2.87491	-0.232186	0.150898	0.481603
Napb_j1	25.4767	17.2845	0	1	1
Napb_j2	39.5413	48.1446	0	1	1
Zfp120	0.786765	0.000182626	0	1	1
Ninl_j7	0.139506	0.554996	1.99215	0.0075032	0.0693786
Ninl_j9	0.0461935	0.0522617	0.178062	0.925021	1
Snph_j5	1.07969	1.56744	0	1	1
AA387200_j3	0.811675	0.604591	-0.424943	0.171945	0.509034
Pdrg1_j2	0	3.20663	0	1	1
Plagl2_j1	0.174687	0.163964	-0.0913922	0.850349	0.952392
AK010870	0.0571486	0.239234	2.06563	0.0336785	0.200659
Necab3_j6	6.80574	3.1646	0	1	1
Necab3_j2	1.11664	1.29513	0	1	1
Necab3_j7	5.58888	4.04148	0	1	1
Necab3_j8	7.7771	5.84029	0	1	1
Pigu_j1	7.61542	7.28895	-0.0632124	0.616249	0.848764
Trpc4ap_j3	6.6709	9.89299	0	1	1
Uqcc_j1	0.965736	0.745757	0	1	1
6430550D23Rik_j2	0.143509	0.0543568	-1.40061	0.504808	0.787868
Cpne1_j3	5.63194	8.49007	0	1	1
Rbm39_j1	0.0728666	0.122204	0	1	1
AK015092_j2	0.110357	0.251564	1.18875	0.191302	0.533463
AK015092_j5	0.103208	0.0416051	-1.31072	0.436144	1

AK015092_j8	0.21835	0.270947	0.311368	0.622432	0.852322
5430405H02Rik_j1	1.98543	2.0296	0.0317404	0.870221	0.958714
9830001H06Rik_j1	0.305291	0.218274	0	1	1
Samhd1	0.0906724	0 -1.79769e+308		0.0014286	1
Gm14286_j2	0.416242	0.526551	0.339151	0.259926	0.608587
Gm14286_j5	0.216263	0.239638	0.148065	0.859174	0.955489
Gm14286_j4	0.280267	0.33088	0.239505	0.721845	0.900739
9430008C03Rik	9.43E-05	0.167524	10.7948	0.882398	0.962629
Gm826_j1	0.170894	0.122938	-0.475169	0.569596	0.825926
Chd6_j6	1.16927	1.2435	0	1	1
Jph2_j3	0.0271086	0.117805	2.11958	0.120871	1
Serinc3_j1	121.253	112.688	-0.105685	0.23789	0.584725
Rims4_j1	0	0.0566988	0	1	1
Wfdc5_j1	0.177685	0.121899	-0.543634	0.52598	0.800977
XLOC_019330	0.0423214	0.142413	1.75062	0.106976	1
Wfdc6a	0.200692	0.0839284	-1.25775	0.358435	0.693853
Pltp	1.41772	1.53582	0.115442	0.57809	0.830224
Zfp335_j2	0.799832	0.754983	-0.0832532	0.680553	0.879921
Zfp335_j6	0.820099	0.892971	0.122816	0.623707	0.853007
Cdh22_j2	0	0.157336 1.79769e+308		0.0013496	0.0181825
Slc35c2_j2	1.87496	1.40887	0	1	1
Zmynd8_j3	0.163948	0.819461	0	1	1
Zmynd8_j4	0.697955	1.38674	0	1	1
Zmynd8_j5	0.128015	0	0	1	1
Sulf2_j2	0.137447	0.0426131	0	1	1
Gm14267_j5	0.0382447	0.0549217	0.522117	0.779885	1
Prex1_j4	0.29498	0.175201	-0.751608	0.312763	0.657266
Prex1_j6	0.334929	1.08343	1.69368	1.23E-09	1.02E-07
Stau1	9.42634	8.79077	0	1	1
Gm11470_j1	0.996532	1.31126	0.395962	0.37955	0.710911
Znfx1_j4	5.13579	5.03536	0	1	1
Kcnb1_j4	3.07848	2.68	0	1	1
B4galt5_j6	0.000401626	2.5964	0	1	1
Spata2_j1	4.0335	3.46025	0	1	1
Spata2	1.15889	1.40249	0	1	1
Fam65c_j2	0.60136	0.413221	-0.541316	0.229141	0.57622
Fam65c_j1	0.485658	0.325921	-0.575417	0.133182	0.454201
Atp9a_j5	0	0.249821	0	1	1
XLOC_019370	0.223372	0.11677	-0.93578	0.157308	0.491229
Bcas1_j3	0.134365	0.00108742	0	1	1
Bcas1	0.770552	1.56922	0	1	1
Bmp7_j1	0.209894	0.0419999	-2.3212	0.148785	0.477613
Ppp4r1l-ps_j3	0.0168263	0.304141	0	1	1
Ppp4r1l-ps_j13	0.560363	0.443587	0	1	1
Ppp4r1l-ps_j14	0.174775	0.17854	0	1	1
Slmo2_j2	1.64385	3.71533	0	1	1
Gm14325_j1	8.84752	9.73742	0.138266	0.157541	0.491628

Gm14326_j2	2.62407	2.56199	-0.0345382	0.9226	0.975904
Psm7_j5	1.26113	7.30945	0	1	1
Hrh3_j4	0.000512023	0.142416	8.11969	0.612313	1
Lama5_j6	1.07718	2.19985	1.03014	8.96E-08	4.87E-06
Cables2_j4	8.01045	5.47999	0	1	1
AK045814_j7	0.514306	0.0820009	-2.64891	0.020156	0.141606
AK045814_j8	0.47281	0.0975119	-2.27761	0.0206379	0.143975
Tcf15_j1	0.092626	0.184588	0.994822	0.276087	0.624922
Dido1_j1	0.0282028	0.131198	0	1	1
Ythdf1_j3	0.783418	0.786771	0.00616159	0.989117	0.996607
Kcnq2_j9	35.0785	34.4593	0	1	1
BC006779_j7	0.205743	0.231954	0.17299	0.679159	0.879478
BC006779_j13	0.0363745	0.055046	0.597709	0.71012	1
Stmn3_j3	0.175626	0.345536	0	1	1
Arfrp1	1.86169	2.41266	0.374013	0.0642586	0.300996
Zbtb46_j4	2.12951	2.5054	0.234522	0.158752	0.49323
Zbtb46_j5	0.759128	1.97003	1.3758	1.51E-07	7.70E-06
Uckl1_j1	0.754451	1.05805	0	1	1
Nmt2	0.918003	0.381681	0	1	1
Frmd4a_j3	0.2452	0.0670622	0	1	1
Frmd4a_j6	0.102898	0	0	1	1
Frmd4a_j3	0.21233	0	0	1	1
Frmd4a_j6	0.350733	0	0	1	1
Frmd4a	1.4369	1.52163	0	1	1
Bend7_j2	0.095059	0.0120805	-2.97614	0.0871045	1
Sephs1_j1	0.456785	0.259088	-0.818074	0.21915	0.565521
XLOC_017869	0.224944	0.110287	0	1	1
Nudt5_j1	1.13929	0.979842	-0.217509	0.124039	0.438882
Upf2_j2	0.0711917	0.0378395	0	1	1
Usp6nl_j1	0.992127	0.236927	0	1	1
Usp6nl_j5	2.3936	0.787716	0	1	1
Sfmbt2	0.0834373	0.123334	0.563806	0.475356	1
Prkcq_j3	14.8813	12.9995	0	1	1
Il15ra_j2	0.243578	0.246076	0.01472	0.981843	0.994455
Vim_j2	0.101135	0 -1.79769e+308	0.0239922	0.0239922	1
Stam_j2	0.113341	0.0538057	0	1	1
Mrc1_j2	2.26704	4.75555	1.06881	6.35E-10	5.50E-08
Arl5b_j3	0.906012	1.21305	0	1	1
XLOC_017891	0.0871224	0.0612294	0	1	1
Gm13318_j1	0.238976	0.0704038	-1.76314	0.084317	0.354323
Bmi1_j3	0.45028	0.398896	0	1	1
BC061194_j1	0.0496588	0 -1.79769e+308	0.0399644	0.0399644	1
BC061194_j5	0.192442	0.129222	-0.574575	0.458438	0.761003
BC061194_j7	0.0585788	0 -1.79769e+308	0.0286402	0.0286402	1
AK076779_j5	0.214723	0.221352	0.0438665	0.949019	0.985323
Msr2_j2	0.214585	0.251369	0.228258	0.797955	0.932929
XLOC_017906	0.235276	0.12487	-0.913919	0.324452	0.667503

Etl4_j4	0.333686	0.495598	0	1	1
Etl4_j9	1.38118	1.58759	0	1	1
Thnsl1_j1	0.407029	0.366074	-0.152996	0.772266	0.922699
Yme1l1_j5	17.6945	15.7103	0	1	1
XLOC_017921	0.112045	0.0923535	0	1	1
XLOC_017921	0.214084	0.0156004	0	1	1
Il1f9	0.186127	0.411974	1.14627	0.0181922	0.131957
Il1f9_j1	0.107628	0.100955	-0.0923414	0.93996	1
Psd4	0.202263	0.412008	1.02644	0.0024204	0.0291004
Psd4_j4	0.37358	0.371035	-0.00986296	0.982677	0.9947
Zmynd19_j1	0.441502	0.337507	0	1	1
Wdr85	2.14166	2.14231	0.000440867	0.997963	0.999228
Pnpla7_j2	0.0825646	0.0192822	-2.09825	0.116024	1
Pnpla7_j9	0.783595	0.99235	0.340741	0.27212	0.620886
Nelf_j4	1.45871	1.46378	0	1	1
Nelf	7.5498	6.02596	0	1	1
Nelf_j3	0.469917	0.431001	0	1	1
Npdc1	5.4588	6.54224	0.261201	0.187402	0.528344
Abca2_j11	23.909	30.177	0.335896	0.0021899	0.0267913
Kcnt1	0.202601	0.207863	0	1	1
Gpsm1_j5	5.10135	6.64165	0	1	1
5930434B04Rik	5.34926	5.78436	0	1	1
5930434B04Rik	4.62413	3.80249	0	1	1
Adamtsl2_j8	0.0644709	0 -1.79769e+308	0.0435805		1
BC050122	0.0870559	0 -1.79769e+308	0.0014803		1
Col5a1	0.397746	0.595282	0	1	1
F730016J06Rik_j3	0.104173	0.0963079	-0.113254	0.844135	1
XLOC_017964	0.087468	0.0728771	-0.263291	0.813774	1
Gm347_j1	0.111964	0 -1.79769e+308	8.14E-06		1
Gm347_j2	0.329169	0.393207	0.256461	0.408256	0.728619
Gm347	0.20081	0.31747	0.660789	0.0510788	0.261892
Gbgt1_j1	0.131061	0.237336	0.856693	0.18287	0.523288
Ralgds	2.40317	3.36863	0	1	1
Tsc1	1.33559	1.23699	0	1	1
Tsc1_j4	0.29015	0.445974	0	1	1
Ddx31_j2	0.0734843	0.0614139	0	1	1
Ttf1	0.791439	0.919082	0.215716	0.357168	0.693052
Setx_j3	1.07882	1.10679	0.0369262	0.898953	0.967647
Rapgef1_j5	2.67623	2.84473	0	1	1
Rapgef1_j4	0.639208	0.820983	0	1	1
Rapgef1_j10	0.0908423	0	0	1	1
Odf2_j9	0.873809	0.731682	-0.256101	0.491076	0.780237
Spna2_j9	92.1712	106.678	0	1	1
Spna2_j8	7.97437	7.09276	0	1	1
Set_j4	0.383178	0.443817	0	1	1
Pkn3_j1	0.208521	0.257176	0.302564	0.386052	0.714332
Tbc1d13_j2	0.15064	0 -1.79769e+308	0.0226763		0.153721

Nup188	0.175349	0.0964489	0	1	1
Dolpp1	3.02944	2.87926	0	1	1
Usp20_j2	21.2432	18.3975	0	1	1
Usp20_j4	27.4568	13.631	0	1	1
Gpr107_j2	6.24384	6.37558	0.030124	0.787233	0.92902
Ass1_j5	1.59492	1.27246	-0.325868	0.452187	0.757333
Lamc3	0.264812	0.50505	0.931461	0.0002551	0.0046935
Nup214_j4	0.0940478	0 -1.79769e+308		3.68E-05	1
Nup214_j3	1.32082	1.52558	0.207927	0.267406	0.616277
Ciz1_j1	0.217243	0.0612528	0	1	1
Ptges2	0.246038	0.38026	0.628104	0.264348	0.613314
Sh2d3c_j2	2.13325	1.75612	0	1	1
Sh2d3c_j3	0.534255	0.61314	0	1	1
Angptl2_j1	2.71076	3.61502	0	1	1
AK147796	0.605319	0.610335	0.0119061	0.958425	0.988063
Hspa5_j2	56.8448	60.6827	0	1	1
Morn5	0.523764	0.553354	0	1	1
Morn5_j1	0.520835	0.242979	0	1	1
Arhgap15_j2	0.191579	0 -1.79769e+308		0.0010507	0.0148592
Mbd5_j2	0.516643	0.355992	0	1	1
Lypd6b_j3	1.05194	0.261609	-2.00756	0.0005041	0.0081967
Lypd6b_j5	0.441153	0.246997	-0.836784	0.178388	0.517883
AK142467_j1	0.269442	0.337201	0.323636	0.561599	0.821809
Rif1_j1	0.0958606	0.104335	0.122214	0.931298	1
Rif1_j7	0.0838629	3.17E-05	-11.3714	0.898902	1
AK079699_j1	7.61144	6.64979	0	1	1
XLOC_018073	0.101369	0.0975574	-0.0552939	0.949552	1
Fmnl2_j3	0.240145	0 -1.79769e+308		1.10E-06	4.47E-05
Fmnl2_j6	0.693376	0.400415	-0.792141	0.137201	0.460677
Arl6ip6_j1	0.914072	0.582645	-0.649692	0.030391	0.18734
Galnt13_j1	0.83418	0.558058	-0.579944	0.0092314	0.0807464
Galnt13_j3	0.117941	0.117322	-0.00758832	0.989193	1
Kcnj3_j2	0.276901	0.125536	0	1	1
Kcnj3_j3	0.274335	0.0838419	0	1	1
Galnt5_j1	0.250175	0.129044	-0.955072	0.101248	0.394004
Upp2_j1	0.308279	0.19092	-0.691267	0.183502	0.524111
Upp2_j7	0.172221	0.131213	-0.392347	0.50993	0.790883
Upp2_j9	0.206572	0.0245595	-3.07229	0.0037152	0.0407099
Upp2_j8	0.164608	0.122639	-0.424621	0.434057	0.745221
XLOC_018090	0.260612	0.256093	0	1	1
Tanc1_j2	0.0541869	0.0168443	0	1	1
AK050909_j2	0.0841826	0.117959	0.486697	0.655727	1
Tank_j1	1.96798	1.57618	-0.320289	0.320041	0.663346
Psmc14_j2	11.8087	17.1942	0	1	1
XLOC_018101	0.262644	3.91E-06	-16.0338	0.997849	0.999228
Scn2a1_j1	0.5399	0.271268	-0.992975	0.180769	0.520609
Scn2a1_j6	0.0709414	0 -1.79769e+308		5.03E-05	1

Scn2a1_j10	0.709508	0.907992	0.35586	0.15084	0.481595
Csrnp3	1.49385	0.502915	0	1	1
Gm13630_j1	0.22056	0.0896289	0	1	1
Gm13630_j5	0.0809475	0.0324756	0	1	1
XLOC_018108	0.469853	0.394383	0	1	1
XLOC_018112	0.150368	0.0414647	0	1	1
XLOC_018113	0.163443	0.114874	-0.508743	0.486462	0.777646
Bbs5_j1	0.507805	1.1661	1.19935	0.0271674	0.174098
Phospho2	1.09307	1.14659	0	1	1
Klhl23_j3	0.156215	0 -1.79769e+308		1.65E-05	0.0004734
Ubr3_j3	2.09399	2.15902	0.044128	0.796333	0.932066
Dcaf17_j4	0.0811889	0 -1.79769e+308		1.11E-05	1
Metap1d_j4	2.47057	3.54621	0.521434	0.056156	0.277219
Pdk1_j4	2.08549	2.26686	0	1	1
Rapgef4_j5	0.189701	0	0	1	1
Scrn3_j1	10.9831	10.0738	0	1	1
Hoxd10_j1	1.58228	0.921468	-0.779998	0.0254424	0.166347
Hoxd10	1.60753	2.14165	0.413879	0.0758308	0.332688
Hoxd8	6.40458	5.99868	0	1	1
Mtx2_j1	13.1618	12.9799	-0.0200797	0.919152	0.974692
XLOC_018152	0.212113	0.0296329	-2.83956	0.0449848	0.242431
XLOC_018152	0.0599842	0 -1.79769e+308		0.0316634	1
Ube2e3_j2	0.749958	0.418908	0	1	1
Ssfa2_j5	0.202807	0.0754509	0	1	1
XLOC_018169	0.200847	0.0916564	-1.13179	0.230328	0.577332
Nup35_j1	0.364865	0.316473	0	1	1
Nup35_j4	1.00632	1.59851	0.667638	0.169205	0.505902
Itgav_j3	0.0755099	0	0	1	1
Itgav_j2	0.07429	0.0903923	0	1	1
Ypel4_j3	0.819502	0.193318	-2.08377	0.0011547	0.0160308
Ssrp1	18.2112	20.0395	0	1	1
Fnbp4_j5	1.05193	0.707179	0	1	1
Fnbp4_j8	2.36213	2.31444	0	1	1
Kbtbd4	0.0734222	0.154858	1.07666	0.0394885	1
Psmc3_j1	59.8965	73.9695	0	1	1
Arfgap2_j1	0.565454	0.46731	-0.275031	0.187021	0.528005
Lrp4	0.241581	0.283872	0.232735	0.453104	0.757983
Lrp4_j9	0.437744	0.712252	0.702301	0.035807	0.208738
Lrp4_j11	0.398513	0.210291	-0.922237	0.0956974	0.38192
Harbi1_j2	2.25024	2.2726	0.0142613	0.941416	0.982159
Phf21a_j3	0.0673866	0.0597736	0	1	1
Phf21a_j8	0.126316	0.0891172	0	1	1
Phf21a_j16	0.183845	0	0	1	1
Pex16_j1	6.11177	6.67719	0	1	1
Chst1_j1	0.133482	0	0	1	1
Lmo2	0.655991	0.557635	0	1	1
Lmo2_j2	3.1016	3.10971	0	1	1

Gm13884	0.29633	0.358958	0.276609	0.619218	0.850543
AK015665_j2	0.199813	0.104178	-0.939601	0.162996	0.498208
AK019067	0.564751	0.912532	0.69226	0.106548	0.405473
Wt1_j2	0.0284639	0.138066	2.27816	0.0920611	1
O610012H03Rik_j1	0.103217	0 -1.79769e+308		0.0449789	1
Kcna4_j4	0.418798	0.0156498	0	1	1
Bdnf	2.15039	2.62213	0	1	1
AK083230_j1	0.189501	0.156667	-0.274505	0.706473	0.892923
AK083230_j6	0.0705346	0 -1.79769e+308		0.0249754	1
Spred1_j1	0.234174	0 -1.79769e+308		3.05E-09	2.33E-07
Thbs1_j1	0.245185	0 -1.79769e+308		9.37E-13	1.35E-10
Eif2ak4_j2	1.28514	1.49961	0	1	1
Disp2_j4	0.117863	0.0638847	0	1	1
D2Ert750e_j3	0.0968387	0.0427041	-1.18121	0.352694	1
Zfyve19_j1	3.60953	2.79592	0	1	1
Spint1	0.443361	0.21078	-1.07274	0.0456721	0.244674
Vps18_j1	10.9177	11.2832	0.0475055	0.744189	0.910695
Chac1_j1	0.383085	0.467991	0.288817	0.601102	0.841992
1700020114Rik_j1	0.728639	0.453874	-0.682913	0.146846	0.475271
Tyro3_j4	0.134808	0 -1.79769e+308		0.0454135	1
Mga_j3	0.125555	0.0640132	-0.971874	0.0348722	1
Mapkbp1	0.5505	0.9045	0.716377	0.0018217	0.0232172
Mapkbp1_j11	0.576186	0.924022	0.681393	0.0083742	0.0750531
Pla2g4b_j10	0.339292	0.289799	-0.227477	0.607474	0.845325
Capn3_j2	0.75077	0.762874	0	1	1
Tubgcp4	5.6579	3.89938	0	1	1
Mtap1a_j2	145.33	137.353	0	1	1
Mtap1a	88.0123	67.0849	0	1	1
Serf2_j2	34.5097	42.873	0.313069	0.0006165	0.0097101
2310003F16Rik_j3	5.24387	5.10612	-0.0384028	0.726888	0.90324
Ctdspl2_j1	0.112746	0.0498334	-1.1779	0.455502	1
Ctdspl2_j8	0.871914	0.436325	-0.998784	0.0014947	0.0196906
Eif3j_j3	0.222349	0 -1.79769e+308		2.62E-10	2.45E-08
B2m_j1	34.0535	33.8347	-0.00929858	0.942673	0.982647
AA467197	0.315208	0.150541	-1.06615	0.394479	0.719811
Ctxn2_j1	0.539173	0.0457943	-3.55751	0.101109	0.393651
Dtwd1_j4	0.672778	0 -1.79769e+308		6.55E-08	3.75E-06
Blvra_j4	1.03563	0	0	1	1
Snrnp200_j3	0.0833295	0	0	1	1
Mrps5_j2	0.209334	0 -1.79769e+308		0.0098263	0.0846277
XLOC_018370	0.265126	0.244411	-0.117366	0.769921	0.921534
Mertk_j2	0.856328	0.745076	-0.200777	0.52959	0.80255
Fbln7	0.285626	0.269339	-0.084705	0.847349	0.951744
Zc3h6_j2	0.129768	0 -1.79769e+308		4.27E-07	1
Slc20a1_j2	34.7664	36.2291	0.059456	0.531451	0.803508
AK042010_j3	0.113783	0 -1.79769e+308		0.0208186	1
Nop56_j2	0.196451	0.137877	-0.510787	0.162626	0.498056

Nop56_j5	21.5801	23.266	0.108521	0.370808	0.703864
Ebf3_j4	2.99123	2.21774	0	1	1
Vps16_j5	11.1891	12.1102	0	1	1
Ptpra_j4	9.16911	12.5723	0	1	1
Itpa_j8	13.5187	15.0208	0	1	1
2310035K24Rik_j2	0.528875	0.704232	0.413124	0.59295	0.83794
Mavs_j2	0.104965	0 -1.79769e+308		0.0010427	1
Mavs_j1	0.146843	0 -1.79769e+308		0.0003309	0.0057911
Mavs_j6	0.928082	0.715417	-0.375468	0.312441	0.657026
Pank2_j1	0.924709	0.893216	-0.0499907	0.797639	0.932743
XLOC_018401	0.102775	0.0521244	-0.979457	0.449164	1
Cds2_j1	0.476189	3.78459	0	1	1
Mcm8	0.823537	0.717246	0	1	1
Plcb4_j6	0.147391	0	0	1	1
Ankrd5	0.240497	0.100082	-1.26483	0.0046694	0.048196
Ism1_j1	0.332481	0.229338	-0.535792	0.449954	0.755805
2310003L22Rik_j1	0.365976	0.565374	0.627457	0.482874	0.77583
2310003L22Rik_j4	0.913369	0.890114	-0.0372063	0.896125	0.966989
2310003L22Rik_j3	1.18324	1.22512	0.0501752	0.842906	0.950302
2310003L22Rik_j2	0.213598	0.128757	-0.730245	0.290191	0.637573
Macro2_j2	5.64252	4.49597	-0.327707	0.235007	0.582228
Macro2_j8	0.922649	0.0497916	-4.21181	0.06968	0.31665
Pcsk2_j1	23.7934	21.5379	0	1	1
Pcsk2_j2	0.535435	0.138785	0	1	1
Dstn_j1	0.119994	0.043516	0	1	1
LOC668917_j1	0.057899	0 -1.79769e+308		0.0464526	1
Polr3f	1.70064	1.51687	0	1	1
Sec23b_j2	0.480352	0.130783	0	1	1
Dtd1_j3	11.1138	10.3059	0	1	1
Rin2_j1	0.167411	0.166165	-0.0107809	0.986525	0.996133
Rin2_j2	0.273318	0.105915	-1.36767	0.0370954	0.213277
RP23-125A1.2_j1	0.202292	0.0452612	-2.16009	0.0851421	0.356159
4930529M08Rik_j2	0.130031	0.123165	-0.0782685	0.929953	1
4930529M08Rik_j1	0.0700775	0 -1.79769e+308		0.0172191	1
Plk1s1_j1	0.921302	1.16421	0.337601	0.292178	0.639
XLOC_018443	0.0969131	0.107928	0.155306	0.822829	1
Cst1_j5	0.07938	0	0	1	1
Cst1_j8	0.211613	0	0	1	1
Cst1_j7	0.00578757	0.117672	0	1	1
Tmem90b_j2	0.325795	0 -1.79769e+308		3.14E-05	0.000805
Tmem90b_j3	0.534938	0.703532	0.395246	0.367009	0.700519
Gm10130_j1	0.270526	0.0773375	0	1	1
Pygb_j4	203.09	165.47	-0.295548	0.0008611	0.0126848
Nsfl1c_j1	1.1929	0.550913	-1.11458	9.20E-05	0.0019995
Nsfl1c_j2	14.1806	16.4063	0.210328	0.164585	0.500613
Fkbp1a_j4	3.70288	4.11333	0.15166	0.485298	0.776978
Gm14165	4.28542	4.62896	0.111251	0.543278	0.810795

Tpx2_j4	0.0630355	0	-1.79769e+308	0.0036587	1
Xkr7_j3	1.30751	1.0901	0	1	1
Dnmt3b_j2	0.15216	0.0737243	-1.04538	0.295141	0.64172
U46068_j3	0.410751	0.143237	-1.51986	0.0425717	0.233262
Itch_j2	5.10369	5.1002	0	1	1
Trp53inp2_j2	1.26673	0.791813	-0.677875	0.0213419	0.147284
Acss2_j2	1.7605	1.32126	0	1	1
Myh7b_j4	0.058841	0.0145225	0	1	1
Procr_j3	0.28432	0.143979	-0.981656	0.299176	0.646115
Cep250_j2	2.93749	2.62097	0	1	1
Ergic3_j5	0.0229515	0.0559299	1.28503	0.418044	1
Ergic3_j2	0.0578341	0.0248342	-1.21959	0.437462	1
Ergic3_j3	0.0575873	0.0704309	0.290458	0.80195	1
Spag4_j1	0.209747	0.142484	-0.557851	0.597925	0.840519
Phf20_j8	0.271382	0.250465	0	1	1
Phf20_j11	0.197305	0.335282	0	1	1
Epb4.1l1_j6	12.1008	9.93565	0	1	1
1110008F13Rik_j1	29.4573	31.7953	0.11019	0.357477	0.693341
Rpn2_j5	1.61682	5.90587	0	1	1
Src_j4	1.25607	1.8398	0	1	1
Src_j5	1.31136	0.524548	0	1	1
Src_j7	4.20563	5.33212	0	1	1
Rprd1b	3.7894	3.66981	0	1	1
Ralgapb	4.08269	3.23411	-0.336152	0.0060061	0.0585925
Ralgapb_j5	11.2987	12.182	0.108585	0.286719	0.635459
Actr5_j3	0.458439	0.330086	-0.473889	0.30711	0.652144
Ppp1r16b_j1	0.451792	0.804541	0.832506	0.0004858	0.0079551
XLOC_018534	0.196373	0.128454	-0.612344	0.449014	0.755281
Plcg1_j2	0.536654	0	-1.79769e+308	2.93E-11	3.30E-09
Plcg1_j6	6.66229	7.51097	0.172981	0.215631	0.561479
Lpin3_j3	0.0805641	0.091539	0.18425	0.888674	1
XLOC_018538	0.330892	0.125129	-1.40295	0.108488	0.409522
9430021M05Rik_j1	2.2127	1.69075	-0.388146	0.313684	0.658007
9430021M05Rik_j3	0.399969	0.471097	0.236135	0.609973	0.846292
Gm14246_j1	0.191362	0	-1.79769e+308	2.85E-06	0.000104
Gm14246	0.264219	0.121219	-1.12412	0.0163347	0.122251
L3mbtl_j5	0.387013	0.244617	-0.661857	0.172207	0.50947
L3mbtl_j12	0.163686	0.0456467	-1.84235	0.0792191	0.341707
XLOC_018552	0.0622203	0.0590389	-0.0757207	0.944708	1
Pkig	3.54518	4.3996	0.311515	0.38011	0.71114
Ywhab_j2	0.220256	0	-1.79769e+308	0.010388	0.0879576
Rbpjl_j1	0.111044	0	-1.79769e+308	0.0224926	1
Rbpjl_j3	0.193708	0.0572417	-1.75875	0.240795	0.588146
Sys1_j1	6.90745	8.25581	0	1	1
AK043662_j4	0.205224	1.65E-05	-13.6057	0.983744	0.995196
Wfdc2_j4	1.74013	1.73296	-0.00595838	0.987647	0.996374
Snx21_j4	7.98022	7.53525	0	1	1

Snx21_j7	15.7491	15.1842	0	1	1
Zswim3_j1	1.62219	1.41107	0	1	1
Pcif1	1.15317	1.31342	0.187719	0.209226	0.553495
Cd40_j1	0.085694	0.0383012	-1.1618	0.425084	1
Rnf114_j4	8.50926	7.34745	0	1	1
Rnf114_j5	0.571358	0	0	1	1
XLOC_018599	0.167023	0.0913778	-0.870128	0.53061	0.80314
Tshz2_j3	16.2549	7.39243	0	1	1
Pfdn4_j1	0.088897	0.0742236	-0.260256	0.926659	1
2410001C21Rik_j2	32.443	38.7751	0	1	1
Rbm38_j2	0.15572	0.323058	1.05284	0.168983	0.505754
XLOC_018620	0.382531	0.331105	-0.208288	0.501218	0.785345
Vapb_j2	0.0480738	0 -1.79769e+308	0.0052969		1
Npepl1_j2	0.495782	0.392659	0	1	1
Gnas_j5	2.82228	3.15089	0	1	1
Phactr3_j1	0.480491	0.722501	0	1	1
9030418K01Rik_j1	3.66997	3.96839	0	1	1
Gtpbp5_j7	1.23998	1.5412	0.313736	0.431297	0.743572
Rps21_j1	1.66367	1.65898	-0.00407385	0.994406	0.998387
Slco4a1_j1	0.124476	0.0395726	-1.6533	0.152031	1
1600027N09Rik_j7	0.574478	0.599958	0	1	1
Col20a1_j8	0.102384	0.075553	-0.438434	0.578789	1
Ppdpf_j1	6.20896	6.96423	0	1	1
XLOC_018659	0.246016	0.140417	-0.809034	0.123957	0.438661
Zgpat_j2	0.0823485	0	0	1	1
Zgpat_j8	2.53815	2.28879	0	1	1
Oprl1	1.01333	0.360018	0	1	1
Myt1_j3	0.550968	0.3733	-0.561634	0.0364802	0.211122
Myt1_j12	0	0.158398 1.79769e+308	7.32E-06	0.0002363	
Mcm10_j2	0.0751826	0.027472	-1.45244	0.50768	1
Mcm10_j5	0.112774	0.0146633	-2.94316	0.0849003	1
Mcm10_j6	0.0486746	0 -1.79769e+308	0.0362133		1
Optrn_j3	0.54758	0.399265	0	1	1
Dhtkd1_j5	0.0318385	0.114802	1.85031	0.0271922	1
Celf2_j1	0.352868	0.466531	0	1	1
Celf2_j2	0.233939	0	0	1	1
Celf2_j3	0.176366	0.0274284	0	1	1
Celf2_j4	0.828912	1.12418	0	1	1
Atp5c1_j4	3.97352	5.78428	0.54172	0.0353886	0.207291
Itih2_j1	0.152457	0.0706779	-1.10907	0.163378	0.498669
Fbxo18_j5	0.967561	0.918289	0	1	1
Fam188a_j2	6.54069	5.21506	0	1	1
Fam188a_j1	12.515	10.9979	0	1	1
Fam188a_j5	2.4949	2.77306	0	1	1
Cubn_j3	0.0674882	0 -1.79769e+308	0.0135526		1
Cubn_j4	0.24842	0.0410488	-2.59737	0.023145	0.155815
Trdmt1_j6	0.172133	0.0467211	-1.88138	0.193757	0.536028

Trdmt1_j5	0.35236	0.212184	-0.731736	0.346386	0.685483
Ptpla_j3	0.118796	0.0272111	-2.12622	0.0820866	1
Nsun6_j1	0.0780754	0 -1.79769e+308		0.0005345	1
Nabl_j4	14.0091	11.3603	-0.302371	0.001286	0.0174852
XLOC_018712	0.0694418	0 -1.79769e+308		0.0466845	1
Enkur_j1	0.198178	0.132421	-0.581668	0.630423	0.856283
Enkur_j2	0.103454	0.0277439	-1.89875	0.406141	1
Abi1_j6	1.08074	0.769557	0	1	1
Abi1_j10	0.558492	0.399347	0	1	1
Abi1_j9	0.238838	0	0	1	1
Abi1_j8	1.068	0.42611	0	1	1
Spopl_j1	3.22422	2.39496	0	1	1
Pax8_j1	0.0986859	0.112024	0.182891	0.803	1
Cacna1b_j5	9.28307	10.9717	0	1	1
Cacna1b_j6	10.1379	11.6944	0	1	1
Cacna1b_j17	3.20778	2.57174	0	1	1
Cacna1b_j19	0.398561	0	0	1	1
Cacna1b_j18	1.28438	1.4359	0	1	1
Ehmt1_j3	2.17859	3.02178	0.472007	0.0473968	0.250038
Ehmt1_j4	0.148201	0.0228301	-2.69855	0.0312664	0.190877
A830007P12Rik_j1	0.279262	0.146842	-0.927354	0.100109	0.391665
Tubb2c_j2	266.704	283.398	0	1	1
Ndor1_j2	0.0863772	0	0	1	1
Grin1_j1	0.140501	0.0719692	-0.965126	0.0064429	0.0618508
Grin1_j4	0.543583	0.257278	-1.07917	0.0237553	0.158528
Phpt1_j2	1.83983	1.71209	-0.103809	0.549194	0.814518
Camsap1_j6	0.379998	0.0871431	0	1	1
Camsap1_j7	0.233742	0	0	1	1
Ubac1_j5	1.51402	1.82058	0.266017	0.38682	0.714802
Nacc2_j4	3.62249	2.06788	0	1	1
Qsox2_j2	0.786119	0.662133	-0.247626	0.547861	0.813899
Card9_j4	3.67276	2.55432	0	1	1
Inpp5e_j2	0.677194	0.671564	0	1	1
Sec16a_j2	0.264788	0.100806	0	1	1
Agpat2	0.193104	0.2032	0.0735244	0.93468	0.97999
Snhg7_j2	0.415708	0 -1.79769e+308		0.0144661	0.112052
Sardh_j3	0.303212	0 -1.79769e+308		8.04E-07	3.44E-05
Gm13373_j7	0.223921	0.193883	-0.207802	0.811394	0.938053
Ntng2_j3	9.66354	7.16682	0	1	1
Zdhhc12	5.8567	6.62845	0.178582	0.228461	0.575589
Zer1_j4	5.17919	6.14916	0	1	1
Zer1_j6	5.3336	6.03127	0	1	1
Zer1_j5	1.34271	0.558717	0	1	1
D2Wsu81e_j2	0.828019	0.866691	0	1	1
D2Wsu81e	4.14083	3.58228	0	1	1
Ccbl1_j5	1.19461	1.0024	-0.253086	0.479654	0.773715
Ccbl1	1.1677	0.933979	-0.322212	0.326931	0.66996

1700001O22Rik_j7	0.175328	0.0431963	-2.02108	0.504507	0.787732
1700001O22Rik_j8	0.281272	0.0577244	-2.28472	0.240818	0.588146
Fam78a_j1	0.126152	0.0972316	-0.375665	0.583626	1
Dnm1_j12	11.2021	0.614849	0	1	1
Dnm1_j14	0.029347	0.0533658	0	1	1
Dnm1_j13	7.15072	4.69901	0	1	1
Lcn2_j1	0.172019	0.0869114	-0.98495	0.424736	0.740102
Cdk9_j1	1.24154	1.2743	0.0375656	0.895759	0.96693
Slc2a8_j8	1.2558	0.967285	0	1	1
Garnl3_j3	0.27855	0.100737	0	1	1
Garnl3	3.12746	2.58089	0	1	1
Garnl3_j4	0.948162	0.899255	0	1	1
Zbtb43	0.0825765	0.108271	0	1	1
Fam125b_j4	0.132647	0	0	1	1
Pbx3_j1	0.188864	0	0	1	1
Pbx3_j3	0.252354	0.39568	0	1	1
Gapvd1_j7	0	0.196927	0	1	1
Gapvd1_j6	0.432002	0	0	1	1
Fbxw2_j1	12.9813	15.3001	0	1	1
Fbxw2	6.63014	7.01881	0	1	1
Traf1_j3	0.147837	6.12E-05	-11.2383	0.949636	0.985371
Traf1	0.223204	0.0595047	-1.90729	0.0973904	0.385743
Hc_j2	0.170679	0.0529061	-1.68978	0.10744	0.407525
Ggta1_j8	0.45487	1.26962	0	1	1
Ttll11_j4	0.160493	0	0	1	1
Lhx6_j2	0.140121	0.0766589	-0.87015	0.305595	0.650753
Rbm18_j1	12.4325	11.4898	0	1	1
Zbtb6	0.491965	0.317835	0	1	1
Strbp_j2	1.81054	2.29329	0	1	1
Strbp_j4	1.5838	1.31937	0	1	1
Strbp_j7	1.47635	1.08802	0	1	1
Dennd1a_j8	0.366775	0.152289	0	1	1
Nr6a1_j4	0.307269	0.0605779	-2.34264	0.0011844	0.0163815
Golga1_j2	0.257477	0.094654	-1.44371	0.0034131	0.0381544
Scai_j1	0.747608	0.418079	0	1	1
Lrp1b_j6	0.268472	0.149033	-0.849136	0.0328178	0.197332
Lrp1b_j12	0.141003	0.0782434	-0.849684	0.435852	0.746551
Gtdc1_j1	0.996778	0.227521	-2.13128	0.0001149	0.00242
Zeb2	1.37274	1.22676	0	1	1
Gm13470	0.261795	0.313698	0.260937	0.714922	0.896786
Nmi_j2	0.999223	0.551369	0	1	1
Nmi	3.32814	3.05208	0	1	1
Neb_j10	0.293925	0.34156	0.216692	0.767617	0.920744
Neb_j11	0.185802	0 -1.79769e+308		0.0004349	0.0072372
Neb_j1	0.143257	0.132168	-0.116234	0.838249	0.948409
Prpf40a_j6	0.023089	0.124613	0	1	1
Prpf40a_j4	0.503716	0.37415	0	1	1

Nr4a2_j1	0.280115	0.431846	0.6245	0.281207	0.629634
Nr4a2_j2	0.285054	0.293399	0.0416264	0.934535	0.979958
Acvr1_j1	3.01221	6.09081	0	1	1
Ccdc148_j8	0.102942	0.363431	1.81985	0.00085	0.0125546
Ccdc148_j1	0.123598	0.0801706	-0.624511	0.434939	1
Baz2b_j10	2.44182	2.51011	0.0397928	0.86521	0.957045
Baz2b_j7	0.453549	0.126253	-1.84494	8.04E-06	0.0002558
Baz2b_j6	0.308963	0.263838	-0.227783	0.487164	0.778145
Ly75	0.533107	0.144361	-1.88474	3.89E-06	0.0001362
Pla2r1_j8	0.106793	0.147404	0.464955	0.678	1
Rbms1_j3	3.8169	3.05145	0	1	1
Rbms1_j4	1.80797	0.77853	0	1	1
Kcnh7_j6	1.28118	0.978568	-0.388732	0.350102	0.687688
Fign	0.0647255	0.0308513	-1.069	0.361876	1
Cobll1_j1	0.641108	0.548159	0	1	1
Cobll1_j2	0.16021	0	0	1	1
Cobll1	0.184441	0	0	1	1
Slc38a11_j2	0.759833	0.702208	-0.113783	0.687672	0.883901
Scn3a_j6	0.308336	0 -1.79769e+308		1.96E-11	2.27E-09
Scn3a_j7	0.0160839	0.0600715	1.90107	0.0628952	1
4930578N16Rik_j6	0.0721336	0 -1.79769e+308		0.0268501	1
4930578N16Rik_j5	0.0544956	0 -1.79769e+308		0.051181	1
4930578N16Rik_j3	0.0897049	0.0179502	-2.32119	0.306042	1
mKIAA0137_j5	0.648104	0.56236	0	1	1
Mettl8_j2	0.479492	0.245529	0	1	1
AK086439_j1	0.110361	0 -1.79769e+308		0.0191956	1
Ola1_j2	9.00639	8.74032	-0.0432625	0.792435	0.930853
Cir1_j1	7.73634	7.03216	-0.137683	0.294175	0.640979
Gpr155_j1	5.36668	3.46468	0	1	1
Gpr155_j2	0.71372	0.291973	0	1	1
Wipf1	4.44439	4.15964	0	1	1
Atf2_j3	3.92623	3.04782	0	1	1
Atf2_j4	0.0733949	0	0	1	1
Nfe2l2_j2	6.63015	20.3305	1.61653	0	0
Nfe2l2_j3	4.24781	1.79654	-1.2415	5.04E-07	2.27E-05
Sestd1_j3	0.114985	0.056976	0	1	1
Sestd1	1.7394	0.516243	0	1	1
Sestd1	3.04772	3.30154	0	1	1
Cwc22_j1	0.183798	0.236732	0.365132	0.648513	0.864697
Cwc22_j6	0.141731	0.0827936	-0.77556	0.605012	0.844161
Cwc22_j8	0.0975525	0.0910254	-0.0999089	0.94944	1
Pde1a	0.711041	2.66257	0	1	1
Frzb_j2	1.62747	0.000150242	-13.4031	0.817764	0.940908
Nckap1_j1	0.144521	0.109252	0	1	1
Tfpi_j1	0.159677	0.0746506	-1.09693	0.387657	0.715419
Tfpi_j7	0.234765	0.116832	-1.00678	0.448762	0.755217
Ctnnd1_j1	17.3661	19.639	0.177448	0.101064	0.393603

Ctnnd1_j2	0.265573	0	-1.79769e+308	2.55E-09	1.98E-07
Ctnnd1_j3	0.184717	0.198256	0.102052	0.831944	0.945814
Tmx2_j4	30.9449	25.9535	0	1	1
Zdhhc5_j2	2.44939	3.34226	0	1	1
Serping1_j4	17.5767	19.3236	0	1	1
Rtn4rl2_j1	0.524044	0	0	1	1
P2rx3_j10	73.4419	86.1047	0	1	1
Lrrc55_j1	0.357438	0.189118	-0.918402	0.0280727	0.177818
XLOC_018989	0.305714	0.248637	-0.298143	0.765123	0.919657
Ndufs3_j1	6.1579	4.80643	-0.357472	0.0865915	0.359682
Slc39a13_j1	1.18204	2.14136	0	1	1
Madd_j11	0.891137	1.69059	0	1	1
Madd_j9	2.13758	3.33487	0	1	1
Dgkz_j1	0.418059	0.187501	0	1	1
Dgkz_j3	5.36845	5.04222	0	1	1
Dgkz_j7	0.644664	0.509991	0	1	1
Dgkz_j9	0.914431	0.722058	0	1	1
Creb3l1_j3	0.423272	0.353932	-0.258114	0.706285	0.8928
Mapk8ip1_j1	50.3269	60.578	0	1	1
Cry2_j1	3.20915	4.20462	0	1	1
Cry2_j2	0.909712	0.0361766	0	1	1
Prdm11_j1	0.106397	0.0516306	-1.04317	0.284423	1
Prdm11_j3	0.301846	7.33E-05	-12.0073	0.936652	0.980567
Ext2_j3	0.141006	0.0857236	0	1	1
Accs_j2	0.488292	0.42792	0	1	1
Alkbh3_j3	2.02189	1.59643	-0.340852	0.162106	0.497468
Alkbh3	11.1999	10.9556	-0.0318164	0.835313	0.946983
Api5_j1	6.85256	8.00792	0	1	1
Prr5l_j1	0.170462	0.0683856	-1.31768	0.289082	0.63673
Trim44_j2	16.4301	13.0662	0	1	1
Cd44_j4	12.6473	0	0	1	1
Cd44_j5	32.2078	33.3563	0	1	1
Caprin1_j1	0.839945	0.042185	0	1	1
Caprin1_j2	0.677889	0.775284	0	1	1
Caprin1_j5	0.609449	0.289212	0	1	1
D430041D05Rik_j10	0.0664697	9.87E-05	-9.39609	0.615628	1
D430041D05Rik_j9	0.0549096	0	-1.79769e+308	1.32E-05	1
Qser1_j2	1.04619	1.01171	-0.0483425	0.846609	0.951509
AK084494_j5	1.01336	0.282384	-1.84341	0.102822	0.39727
Tmem85_j3	25.9458	16.4448	0	1	1
Ryr3_j3	0.10764	0	-1.79769e+308	1.59E-06	1
Ryr3_j14	0.100646	0.00349365	-4.84841	0.300379	1
Arhgap11a	0.445521	0.0763573	-2.54466	6.72E-05	0.001535
Zfp770_j1	0.217998	0	-1.79769e+308	8.20E-07	3.49E-05
Meis2_j1	3.23849	2.87359	0	1	1
Rasgrp1_j4	17.5336	13.5066	0	1	1
Rasgrp1_j5	0.725202	0.000296904	0	1	1

Rasgrp1_j6	5.83602	3.19683	0	1	1
Fsip1_j1	0.179834	0.0958323	-0.908086	0.267476	0.616277
Srp14_j2	56.4506	59.4139	0	1	1
Srp14_j3	0.0524783	0	0	1	1
A430105I19Rik_j1	0.597984	0.426819	0	1	1
XLOC_019083	0.454088	0.110842	-2.03447	0.0294007	0.183205
Ino80_j3	2.60027	3.06396	0	1	1
Ndufaf1_j3	2.72046	5.55735	0	1	1
Ndufaf1	11.17	8.32364	0	1	1
Spnb5_j11	0.561677	0.596285	0.0862613	0.765552	0.919813
Pla2g4e	0.224601	0.102575	-1.13069	0.0531272	0.268218
Tmem87a_j4	2.50851	3.39991	0	1	1
Zfp106_j3	0.900201	3.04154	0	1	1
Ttbk2_j3	5.26755	4.16453	0	1	1
Ttbk2_j4	0.102307	0	0	1	1
Trp53bp1_j6	5.19578	5.73849	0	1	1
Trp53bp1_j7	0.683885	0.493804	0	1	1
Mfap1a_j5	1.08927	0.290772	-1.9054	2.60E-07	1.26E-05
Duoxa1_j7	0.100502	0.00481615	-4.38321	0.491121	1
Slc30a4_j1	0.935659	0.829237	-0.174198	0.537458	0.807604
Fbn1_j1	0.173357	0.197131	0.185406	0.641142	0.861592
Fbn1_j2	0.143704	0 -1.79769e+308		9.14E-11	9.41E-09
Cep152_j5	0.115987	0.0691452	-0.746263	0.26561	1
Shc4_j4	0.0761686	0.0142656	-2.41666	0.0512591	1
Secisbp2l_j3	1.44109	0.97065	0	1	1
Hdc_j4	0.123018	0 -1.79769e+308		0.0011627	1
Gabpb1_j2	0.881618	0.83893	0	1	1
Gabpb1_j3	0.339356	0.317445	0	1	1
Trpm7_j2	0.0638867	0	0	1	1
Trpm7	1.31564	1.15808	0	1	1
Kcnip3	1.05702	1.19117	0	1	1
Nphp1_j4	1.14187	1.12035	0	1	1
Anapc1_j7	5.45064	6.83253	0.325995	0.0082734	0.074505
XLOC_019158	0.384688	0.218988	-0.812837	0.14625	0.474508
Ckap2l	0.24625	0.330494	0.424499	0.254027	0.602331
Idh3b_j1	0.85729	0.478175	-0.842245	0.0013918	0.0186367
Prosapip1	0.706767	0.943564	0	1	1
Slc4a11_j5	0.855627	0.726145	0	1	1
4930402H24Rik_j5	0.102635	0.0143574	0	1	1
4930402H24Rik	0.165412	0	0	1	1
4930402H24Rik_j6	0.917541	0.764927	0	1	1
Gfra4_j4	1.628	1.16034	-0.488551	0.118393	0.428427
Adam33_j6	0.288649	0.398761	0.466208	0.554057	0.817298
Adam33_j11	0.0596242	0.0124766	-2.25668	0.285224	1
Adam33_j10	0.0760314	0 -1.79769e+308		0.0118776	1
Siglec1_j3	0.0667067	0.236828	1.82793	0.0336829	0.200659
Siglec1_j4	0.0645807	0 -1.79769e+308		0.0059684	1

Rassf2_j1	0.622579	0.275268	0	1	1
Slc23a2_j2	0.786764	1.04526	0	1	1
Jag1_j2	0.559932	0.152156	0	1	1
Gm14066_j1	0.048005	0 -1.79769e+308	0.0505878		1
Gm14066_j2	0.0916816	0.0273138	-1.747	0.251512	1
Gm14066_j9	0.292556	0.156849	-0.899336	0.365637	0.699507
Kif16b_j7	0.380944	0.347178	-0.133903	0.76382	0.91888
Bfsp1_j2	0.134454	7.88E-05	-10.7364	0.946624	1
Bfsp1_j3	0.210967	0.234216	0.150824	0.828721	0.944654
6330439K17Rik_j7	4.11531	2.54654	0	1	1
Cd93_j1	0.565122	0.585109	0.0501418	0.860001	0.955711
Napb_j3	0.134824	1.22991	0	1	1
Mzf31	0.658695	0.569065	0	1	1
ZIPO-III_j1	0.915612	0.703767	0	1	1
Acss1_j3	1.26678	1.10523	-0.196823	0.495248	0.782763
Ninl_j3	0.0526534	0 -1.79769e+308	0.0024421		1
Snph_j2	1.80572	0.609148	0	1	1
Snph_j3	0.0740697	0.0514254	0	1	1
Rbck1_j2	1.00361	0.790231	0	1	1
Nrsn2_j1	2.18976	2.63952	0.269505	0.302867	0.648644
Bcl2l1_j3	2.75759	3.63076	0	1	1
Pdrg1_j1	12.1649	12.0646	0	1	1
Pdrg1	41.517	55.3813	0	1	1
Plagl2_j3	0.0528402	0 -1.79769e+308	0.0042233		1
AK010870_j3	0.0233971	0.157835	2.75401	0.0777506	0.337584
XLOC_019266	3.01946	2.71142	-0.155244	0.764138	0.919014
Necab3_j1	1.19835	0.369433	0	1	1
Pxmp4_j2	3.30086	2.32991	-0.502566	0.216806	0.562926
Eif2s2_j1	0.150347	0 -1.79769e+308	0.0003433		0.005955
Ahcy_j4	2.28581	2.20138	-0.054295	0.854153	0.953758
Pigu_j2	83.6128	97.1885	0.217061	0.0140168	0.109582
Edem2_j3	0.972657	0.83981	-0.211868	0.604826	0.8441
Eif6_j1	10.6944	13.0011	0.281772	0.0035833	0.039682
Uqcc_j8	0.145908	0.0775342	0	1	1
Rbm12	0.652951	0.501891	0	1	1
Cpne1	4.1652	3.08988	0	1	1
Rbm39	17.9159	18.4056	0	1	1
Gm14230_j2	0.0870741	0.0855876	-0.0248407	0.972916	1
5430405H02Rik_j2	1.34932	1.29199	-0.0626416	0.8185	0.941118
Dsn1	0.0705131	0.0546605	-0.367392	0.685935	1
9830001H06Rik_j3	0.994454	1.07984	0	1	1
Rbl1_j1	0.123465	0.101629	-0.280785	0.69941	1
Rbl1_j2	0.188889	0.0351312	-2.42671	0.0122305	0.0995624
Gm14286_j3	0.654588	0.509096	-0.36265	0.521561	0.79829
Tti1_j1	3.30359	2.82327	0	1	1
D630003M21Rik_j4	0.0477449	0 -1.79769e+308	0.0829053		1
D630003M21Rik_j5	0.0707596	0.145312	1.03815	0.293189	1

D630003M21Rik	0.254591	0.632612	1.31314	2.18E-05	0.0005935
D630003M21Rik_j6	0.101044	0	-1.79769e+308	0.0002366	1
9430008C03Rik_j3	0.125652	0.0717896	-0.807582	0.296184	1
9430008C03Rik_j2	0.220031	0.336782	0.614111	0.227936	0.575019
Chd6_j4	0.279097	0.0882043	0	1	1
Chd6_j5	0.170145	0.0807934	0	1	1
Ptprt_j3	0.151583	0	0	1	1
Ptprt	1.411102	1.46761	0	1	1
Ada_j4	0.130238	0	-1.79769e+308	0.0158219	1
Matn4_j4	3.31269	3.12001	-0.0864515	0.647791	0.86433
Sdc4_j2	1.82236	2.06581	0.180896	0.486593	0.777721
Wfdc3	0.22985	0.315086	0.455056	0.634428	0.858242
Ncoa5_j3	0.443756	0.835305	0.912536	0.0114124	0.0945238
Slc35c2	5.51496	6.46687	0	1	1
Elmo2_j2	4.50425	3.56597	0	1	1
Zfp334_j4	1.83957	1.25009	0	1	1
Zmynd8_j10	0.330151	0.25241	0	1	1
Zmynd8_j13	0.200168	0	0	1	1
Sulf2_j3	4.66402	2.48851	0	1	1
Prex1_j1	0.0842327	0	-1.79769e+308	0.0004965	1
Znfx1_j2	12.2234	12.4458	0	1	1
Kcnb1_j3	1.57738	0.557466	0	1	1
Kcnb1_j1	0.13675	0.0238261	0	1	1
Tmem189_j1	28.5177	30.9467	0	1	1
Atp9a_j1	74.4149	82.736	0	1	1
Atp9a_j6	1.18195	0	0	1	1
XLOC_019370	0.0511872	0	-1.79769e+308	0.0425698	1
Cbln4	0.158755	0.173437	0.127612	0.871238	0.959097
Zbp1_j1	0.130438	0.0782017	-0.738095	0.609486	1
Zbp1_j6	0.0727629	0	-1.79769e+308	0.0643833	1
Ppp4r1l-ps_j8	0.0453017	0.0500454	0	1	1
XLOC_019397	0.08751	0.0357783	-1.29036	0.235828	1
Psm7_j3	4.93568	5.97705	0	1	1
Hrh3_j6	0.118427	0	-1.79769e+308	0.0083948	1
Hrh3_j8	0.161881	0.208354	0.364098	0.61854	0.850136
Hrh3_j7	0.0409619	0.0520538	0.34572	0.825516	1
Lama5_j8	0.0636497	0.131194	1.04347	0.0415689	1
Lama5_j11	0.172781	0.0649238	-1.41212	0.156067	0.489534
Cables2_j10	2.29956	2.57389	0	1	1
Cables2_j11	0.380566	0.300798	0	1	1
Cables2_j12	0.252525	0	0	1	1
AK045814_j6	0.0759892	0	-1.79769e+308	0.0101983	1
Dido1	1.99243	1.97863	0	1	1
Kcnq2_j8	18.982	19.9863	0	1	1
BC006779_j3	0.0737414	0.021913	-1.75069	0.0391608	1
BC006779_j2	0.0322673	0.0605283	0.907535	0.177714	1
Stmn3_j1	491.151	540.689	0	1	1

Zbtb46_j1	0.427922	0	-1.79769e+308	4.03E-06	0.0001401
Znf512b_j4	0.309384	0.744469	0	1	1
Znf512b_j5	1.06639	0.695741	0	1	1
Sox18	1.78951	2.25747	0.335142	0.106293	0.40481
Nmt2_j1	2.09269	1.87015	0	1	1
Fam107b_j2	12.4079	15.5597	0	1	1
Bend7_j4	0.000342925	0.258541	9.55828	0.554811	0.817792
Sephs1	4.34176	3.84336	-0.17591	0.291284	0.638477
AK140161_j1	0.0957486	0.181514	0.922754	0.46933	0.767474
Ankrd16_j3	0.181052	0.1202	0	1	1
Vim_j1	0	0.113728	1.79769e+308	0.0602135	1
Stam_j1	22.0464	21.1821	0	1	1
Cacnb2_j2	0.0740647	0.280643	1.92188	0.0152389	0.116243
Arl5b_j1	0.0572277	0.155625	0	1	1
Mllt10	0.778824	0.676132	-0.203992	0.513451	0.792725
BC061194_j6	0.0689832	0.186924	1.43813	0.105805	0.4039
AK076779_j8	0	0.15028	1.79769e+308	0.0207235	1
AK076779_j7	0	0.0576407	1.79769e+308	0.118108	1
AK076779_j6	0.0511621	0.210192	2.03856	0.0503511	0.259471
Msr2_j3	0.0264091	0.204955	2.9562	0.340398	0.680503
Msr2_j4	0.338172	0.447968	0.405639	0.612847	0.847359
Etl4_j2	1.56436	1.98292	0	1	1
Etl4_j5	0.516636	0.172578	0	1	1
Apbb1ip_j3	0	0.0901821	1.79769e+308	0.0561697	1
Yme1l1_j1	1.25161	2.3025	0	1	1
Yme1l1_j6	4.76101	5.06769	0	1	1
XLOC_017926	0.202834	0.210017	0.0502033	0.882089	0.962591
Pnpla7_j4	0.345888	0.573433	0.729319	0.0209116	0.145317
Ang	0	0.0523712	1.79769e+308	0.148403	1
Fut7	0.0487378	0.131238	1.42907	0.150698	1
Abca2_j3	0.731749	3.76779	2.3643	0	0
Abca2_j4	0.862098	0.169144	-2.3496	3.08E-10	2.82E-08
Fbxw5_j5	1.8899	1.99836	0.0805063	0.778781	0.925532
Fbxw5_j3	1.49522	1.87301	0.325001	0.295741	0.642495
Fbxw5_j6	0.778364	0.63406	-0.295825	0.536247	0.806648
Edf1_j2	40.7729	47.3869	0.21688	0.0528269	0.267061
Gpsm1_j3	0.152809	0.207075	0	1	1
Pmpca	3.55496	3.51978	0	1	1
Egfl7_j2	3.04675	3.67187	0.269243	0.307169	0.652174
5930434B04Rik_j1	3.31525	2.6012	0	1	1
Rxra_j3	0	0.286176	0	1	1
Col5a1_j6	0.972795	1.32539	0	1	1
Olfm1	50.3037	49.9221	0	1	1
Olfm1_j1	32.8236	25.4395	0	1	1
XLOC_017966	0.110014	0.0763219	-0.527522	0.610584	1
Gbgt1	0.141277	0.0445842	-1.66392	0.111289	0.415334
Ralgds_j3	14.2123	17.8263	0	1	1

Tsc1_j2	0.000146534	0.124334	0	1	1
Ddx31_j1	0.343924	0.248884	0	1	1
Ttf1_j3	0.0223848	0.0483567	1.1112	0.37575	1
Ttf1_j7	0.0733454	0.130318	0.829254	0.297139	1
Setx_j2	0	0.0596271	1.79769e+308	0.0023424	1
Med27_j2	2.08608	2.49722	0.259526	0.583694	0.833136
Rapgef1_j8	0.171083	0.174678	0	1	1
Rapgef1_j13	8.06646	10.1709	0	1	1
Slc27a4_j4	11.4685	10.2701	0	1	1
Urm1_j3	1.05699	0.967898	0	1	1
Odf2_j5	2.11552	3.02912	0.517889	0.00889	0.0784217
Spna2_j6	9.71598	15.8473	0	1	1
Ppp2r4_j3	12.4578	12.0145	0	1	1
Ppp2r4_j6	51.8384	49.4766	0	1	1
Tor1b	1.04393	1.08841	0.0601957	0.75525	0.915526
Tor1b_j1	1.0233	1.10731	0.113831	0.615116	0.848106
Usp20_j6	3.01614	18.7272	0	1	1
Gpr107_j3	6.01788	7.733	0.361773	0.0149751	0.114845
Hmcn2_j1	0.0160745	0.0817767	2.34691	0.114554	1
Ass1_j4	0.894131	1.07641	0.267668	0.631351	0.85652
Fubp3_j5	2.19158	2.88641	0	1	1
Prdm12	12.1151	11.4047	0	1	1
Lamc3_j4	0	0.294367	1.79769e+308	7.34E-06	0.0002368
Ciz1_j3	7.09629	7.27861	0	1	1
Ciz1_j7	4.61837	4.41498	0	1	1
Fam102a_j3	0.240615	0.221602	-0.118755	0.803414	0.934749
St6galnac6_j5	1.6224	1.33982	-0.276091	0.441226	0.750061
St6galnac6_j6	0	0.078491	1.79769e+308	0.175741	1
St6galnac6_j7	2.1106	1.10775	-0.930028	0.0589854	0.285529
XLOC_018024	0.122898	0.0997346	-0.30129	0.820351	1
Sh2d3c	4.93878	4.4886	0	1	1
Mapkap1_j2	0	0.10068	0	1	1
Dab2ip_j4	0.361126	1.34106	0	1	1
Mrrf_j2	1.64738	2.04312	0	1	1
XLOC_018042	0.037572	0.0934056	0	1	1
Ptgs1_j1	0	0.140194	1.79769e+308	0.0064399	1
Ptgs1	0.341441	0.423544	0.310877	0.402258	0.725446
Rabgap1_j4	1.12739	1.95586	0	1	1
Gm13474_j1	0.060542	0.191569	1.66185	0.211826	0.556596
Arhgap15	0.142402	0.322082	1.17746	0.0426007	0.233377
Arhgap15_j1	0.174462	0.409103	1.22955	0.0515833	0.263342
Arhgap15_j3	0.0410458	0.201831	2.29784	0.0881924	0.36355
Mbd5_j1	0.927892	1.02148	0	1	1
Epc2_j2	2.37078	2.66911	0.171	0.320743	0.663974
Lypd6b_j7	0	0.371151	1.79769e+308	0.0006755	0.0104296
Lypd6_j2	4.68E-05	0.322488	0	1	1
AK045825_j2	0.0413301	0.170396	2.04363	0.273168	0.622221

Rif1_j6	0.189787	0.242329	0.352589	0.317705	0.66098
XLOC_018073	0.0788927	0.13401	0.764374	0.552445	1
Fmnl2_j4	0.10337	0.460138	2.15426	0.0004263	0.0071279
Galnt13_j5	0	0.0693845	1.79769e+308	0.0065283	1
Kcnj3_j9	2.10756	2.13695	0	1	1
Gpd2_j2	0	0.290352	0	1	1
Upp2_j2	0.309893	0.260774	-0.248967	0.677591	0.878807
Upp2_j4	0.31481	0.332757	0.0799856	0.766052	0.920177
Upp2_j11	0.216717	0.366011	0.756074	0.0495796	0.256996
Pkp4_j4	1.00976	1.15591	0.195008	0.416464	0.733896
XLOC_018092	0.0352976	0.084862	0	1	1
Tank_j2	1.01633	1.2607	0.310845	0.38415	0.71322
Gca_j3	1.48973	0.287715	0	1	1
XLOC_018100	0.0910167	0.0748367	-0.282385	0.782425	1
XLOC_018101	0.0534426	0.0939248	0.813517	0.573027	1
Scn2a1_j2	0.395129	0.466958	0.240968	0.315777	0.659788
Scn2a1_j8	0.158731	0.257505	0.698019	0.0657099	0.305649
Csrnp3_j1	0	0.0475079	0	1	1
Gm13630_j2	0	0.14259	0	1	1
Nostrin_j3	0	0.355359	1.79769e+308	0.0160981	0.120889
Klhl23_j1	0.0167573	0.617917	5.20455	6.87E-06	0.0002239
Ssb_j3	17.6623	19.2457	0	1	1
Gad1_j1	0.00193251	0.140404	6.18297	0.273224	1
Dcaf17_j2	0.151474	0.0702102	-1.10932	0.297052	0.64365
Dync1i2_j5	8.04478	12.465	0	1	1
Metap1d_j1	2.20351	2.05704	-0.0992316	0.774294	0.923546
Metap1d_j2	0	0.232761	1.79769e+308	0.0556521	0.275793
Pdk1_j1	1.90355	1.25157	0	1	1
Gm13705_j1	0.29271	0.321105	0.133577	0.897273	0.967349
Hoxd8	4.18965	5.09733	0	1	1
Mtx2_j2	0.0675124	0.154747	1.19668	0.565113	1
Agps_j1	0.0804041	0.124318	0	1	1
Ube2e3_j6	1.53034	1.75287	0	1	1
Itga4	0.16523	0.131261	-0.332029	0.680917	0.880014
Itga4_j2	0	0.0899213	1.79769e+308	0.0005148	1
XLOC_018166	0.602391	0.681918	0.178899	0.636098	0.858939
Ssfa2_j2	0.0875601	0.0891218	0	1	1
Ppp1r1c_j3	3.18844	1.64883	-0.95141	0.0081234	0.0734541
Fam171b_j2	2.06929	0.226666	0	1	1
Fam171b_j3	0.0416181	0.557684	0	1	1
Slc43a1_j1	0.122954	0.119338	-0.0430715	0.959846	1
Slc43a3_j4	0.0494272	0.0683193	0.466988	0.768956	1
Tnks1bp1_j5	0.17924	1.06738	2.57411	1.17E-12	1.65E-10
Tnks1bp1_j8	0.193938	0.208606	0.10518	0.918702	0.974658
Fnbp4_j3	0.594967	0.684636	0	1	1
Fnbp4_j4	0.611844	0.590217	0	1	1
Mtch2_j1	17.6246	17.1252	0	1	1

Sfp1	0.0894996	0.237834	1.41	0.069768	0.316921
Pacsin3_j3	0	0.35137	0	1	1
Ckap5_j5	0	0.0780324	1.79769e+308	0.005664	1
Ambra1_j5	0	0.0832048	0	1	1
Phf21a_j2	0.24981	0.881752	0	1	1
Phf21a_j11	0.269823	0.431145	0	1	1
Phf21a_j10	0.135139	0.288847	0	1	1
Chst1_j2	1.77639	2.87125	0	1	1
XLOC_018225	0.0655907	0.112561	0.779139	0.598143	1
XLOC_018226	0.00610153	0.203845	5.06216	0.360363	0.695396
Commd9_j1	0.620809	1.20288	0.954269	0.115104	0.422038
Fba	2.079	2.38323	0.197025	0.495677	0.782921
Cd59a_j3	0.649359	0.733914	0	1	1
Kcna4_j3	0.466928	0.489423	0	1	1
Lin7c_j1	5.51635	5.74985	0.0598108	0.740842	0.909129
Ccdc34_j2	0	0.261917	1.79769e+308	0.0009499	0.0137229
Lpcat4_j2	0	0.125983	1.79769e+308	0.106018	1
Slc12a6_j6	0.000150251	0.847805	12.4621	0.812997	0.938881
XLOC_018282	0.123991	0.1351	0.123802	0.903646	1
Thbs1	2.96E-05	0.173104	12.5141	0.910092	0.971581
Thbs1_j2	0	0.0915745	1.79769e+308	0.0022949	1
Disp2_j7	4.15732	4.55309	0	1	1
XLOC_018295	0.285214	0.156094	-0.869627	0.0888239	0.365257
Rad51_j1	0.29838	0.365277	0.291842	0.512012	0.79188
Gm14138	0.470746	0.516801	0.134661	0.752087	0.9143
Zfyve19_j2	3.25341	3.97392	0	1	1
Spint1	0	0.0972514	1.79769e+308	0.0246882	1
Dll4_j1	0.499562	0.502267	0.00779183	0.983608	0.995188
1500003O03Rik_j3	122.178	111.723	0	1	1
1700020I14Rik	18.5041	13.5839	-0.445947	8.28E-07	3.52E-05
Rtf1_j1	0.549817	0.949554	0.7883	0.0487245	0.254316
Mga_j1	0.0398838	0.149044	1.90186	7.20E-05	1
Mga_j6	0.100841	0.167329	0.730604	0.0690862	0.315156
Pla2g4b_j4	0.124566	0.144095	0.210117	0.752231	1
Pla2g4b_j8	0.314598	0.375006	0.253407	0.479274	0.773547
Pla2g4b_j11	0.183074	0.295595	0.691192	0.2037	0.547888
Ganc	0.333978	0.229041	0	1	1
mKIAA1300_j2	0.133433	0.229043	0	1	1
mKIAA1300_j6	0.028601	0.0960387	0	1	1
Ctdspl2_j4	0	0.112405	1.79769e+308	0.002137	1
Ctdspl2_j5	0.0565511	0.194228	1.78012	0.0076555	0.0704465
Ctdspl2_j6	0.149002	0.172315	0.209717	0.696617	0.88816
Eif3j_j5	2.5691	2.15139	-0.255995	0.0965789	0.383897
Sord_j2	0.13861	0.0529779	-1.38757	0.269708	0.618771
Sema6d	3.30008	2.93162	0	1	1
Slc24a5_j1	0.287713	0.249945	-0.20302	0.568822	0.825693
Fgf7_j2	0	0.0502866	1.79769e+308	0.105691	1

Dtwd1_j2	0.111758	0.235586	1.07588	0.264428	0.613354
Usp8_j1	13.7227	14.0042	0	1	1
Ap4e1_j1	0.573975	0.944241	0	1	1
Blvra_j1	4.71817	4.43274	0	1	1
Tmem127_j1	16.084	13.4409	0	1	1
Stard7_j1	21.0955	21.0281	-0.00461285	0.964608	0.989999
Dusp2	7.20E-06	0.05736	12.9607	0.996079	1
Dusp2_j1	0	0.17706	1.79769e+308	0.0325454	0.196107
Bcl2l11_j1	0.479739	0.526184	0.133318	0.663049	0.872404
Fbln7_j4	0	0.0631858	1.79769e+308	0.0653345	1
Zc3h6_j1	0	0.40435	1.79769e+308	6.36E-10	5.50E-08
Slc20a1_j4	0.443155	0.650683	0.554145	0.237385	0.584096
AK042010_j1	0.155706	0.280537	0.849366	0.25796	0.606629
Sirpa_j1	0.288075	0.369155	0.357781	0.398489	0.722606
Sirpa_j4	12.6504	13.9131	0.137267	0.218151	0.56451
Stk35_j2	0.1406	0.170642	0.279371	0.51568	0.794419
Ebf3_j5	1.00145	1.13957	0	1	1
ltpa_j7	0	0.735078	0	1	1
Cdc25b_j4	0.998227	0.933958	-0.0960097	0.807877	0.936731
Plcb1_j1	0.91901	1.20956	0	1	1
Plcb4_j2	0.234242	0.119334	0	1	1
6330527O06Rik	0.206814	0.211352	0.0313098	0.959222	0.988355
Snap25_j1	9.87115	13.8714	0.490826	0.0166214	0.123769
Btbd3_j1	0	0.203772	0	1	1
Btbd3_j3	12.8446	12.648	0	1	1
Macro2_j5	0.834037	0.740313	-0.171975	0.814511	0.939456
Macro2_j7	0.389533	0.632959	0.700366	0.298846	0.645614
Macro2_j17	0.165141	0.212994	0.367114	0.520346	0.797861
Pcsk2_j3	12.7543	11.8871	0	1	1
XLOC_018427	0.153873	0.267421	0.797375	0.135384	0.457784
8430406I07Rik	2.50092	2.42801	-0.0426823	0.797247	0.932581
LOC668917_j3	0.19564	0.181385	-0.109146	0.905438	0.969961
Dtd1_j1	2.35137	4.47646	0	1	1
Rin2_j3	0.444393	0.349115	-0.348136	0.34423	0.684009
Rin2_j5	0.000246036	0.699681	11.4736	0.501485	0.785549
Naa20_j1	0.84645	0.773979	-0.129132	0.673938	0.877026
Plk1s1_j2	0	0.589062	1.79769e+308	3.46E-05	0.000873
Cstl1_j1	0.0480693	0.132582	0	1	1
XLOC_018456	0.0668988	0.0913143	0.448861	0.768197	1
Nsfl1c	4.58911	6.53939	0.510941	0.0001881	0.0036463
Nsfl1c_j5	1.45483	1.30763	-0.153898	0.508234	0.790152
Fkbp1a_j1	57.1701	72.7289	0.347268	0.000506	0.008225
Fkbp1a_j6	4.65305	7.18698	0.62721	0.07512	0.33088
5430405G05Rik_j2	0.305797	0.430206	0.492452	0.528352	0.801996
5430405G05Rik_j3	0	0.344301	1.79769e+308	0.0108273	0.090747
2310046K01Rik	0.802079	0.296911	-1.43371	0.0034272	0.0382719
Csnk2a1_j5	41.5768	42.68	0.0377831	0.676501	0.878299

Tbc1d20_j3	4.65754	6.71888	0	1	1
H13_j2	19.5869	22.8897	0	1	1
Tpx2	0.0811427	0.169307	1.06111	0.0966313	0.383949
Xkr7_j1	0	0.0842116	0	1	1
Kif3b_j2	7.11974	7.30081	0	1	1
Dnmt3b_j1	0.0496886	0.121975	1.2956	0.259679	1
XLOC_018486	0.0946818	0.129743	0.454496	0.77183	1
Dynlrb1_j4	0	8.39631	1.79769e+308	2.45E-07	1.19E-05
Map1lc3a_j1	23.8078	24.4856	0.0404983	0.679274	0.879479
Acss2_j1	0.277953	0.43418	0	1	1
Myh7b_j9	0	0.106286	0	1	1
Cep250_j8	2.0705	2.09046	0	1	1
Gm14240	0.22974	0.342409	0.575718	0.525885	0.800977
Spag4_j6	0.13922	0.163175	0.229054	0.724418	0.901947
Spag4_j7	0.424686	0.314423	-0.433691	0.51301	0.792379
Romo1	30.8856	36.0922	0	1	1
Phf20_j6	5.89589	6.69337	0	1	1
O610011L14Rik_j1	0.358461	0.414127	0.208259	0.467609	0.766717
Dlgap4_j2	3.65421	3.46865	-0.0751857	0.76822	0.921044
Dlgap4_j3	0.0168623	0.33692	4.32053	0.0078129	0.0713527
Myl9_j1	3.54075	4.71633	0.41361	0.0672158	0.309991
Src_j1	0	0.154297	0	1	1
Lbp_j1	1.00822	2.06999	1.03782	0.0047909	0.0491379
Snhg11_j2	8.28641	6.21266	-0.415538	0.0040188	0.0430404
Snhg11_j1	0.0400472	0.11226	1.48707	0.0758077	1
Ralgapb_j1	1.52169	2.72627	0.841259	1.39E-08	9.51E-07
Actr5_j1	0.0859438	0.183483	1.09418	0.0925474	0.374371
Dhx35_j4	0.650676	0.701244	0	1	1
Top1_j1	0.00160605	0.478418	8.21861	0.166633	0.502965
Plcg1_j3	0.302005	0.460074	0.607291	0.13296	0.453791
Lpin3_j2	0.0721142	0.127086	0.817452	0.213608	1
9430021M05Rik	1.34398	1.03649	-0.37481	0.236624	0.583799
L3mbtl_j1	0.0458338	0.079611	0.796557	0.433789	1
L3mbtl_j7	0	0.181284	1.79769e+308	0.0021882	0.0267849
XLOC_018552	0.0247685	0.0550628	1.15257	0.505747	1
Wisp2	0.112069	0.160638	0.519423	0.473164	0.769998
Wisp2_j1	0	0.0768736	1.79769e+308	0.0803465	1
Ywhab_j3	0	0.602645	1.79769e+308	0.0029492	0.0340068
Ywhab_j4	9.81113	10.8119	0.140135	0.665099	0.873092
Stk4_j2	0.248911	0	0	1	1
Rbpjl_j2	0.0600952	0.159428	1.40758	0.116568	0.424591
Sys1_j2	1.09167	1.17339	0	1	1
Pigt_j1	8.3041	8.87263	0.0955389	0.607425	0.845325
AK043662_j3	6.10E-06	0.111911	14.1643	0.992384	1
Wfdc2_j3	1.13331	0.753091	-0.589648	0.429255	0.742566
Dnttip1_j1	3.46501	5.1391	0.568658	0.0191721	0.136925
Zswim3_j2	0	0.545151	0	1	1

Ctsa_j2	38.8192	39.2744	0.016818	0.853956	0.953758
Pcif1_j2	0.82028	0.656021	-0.322374	0.240547	0.588007
Arfgef2_j2	9.69024	10.7656	0	1	1
Snai1_j1	0	0.0918579	1.79769e+308	0.131931	1
Gm14249_j1	0.130014	0.162942	0.325692	0.699678	0.889447
Tshz2_j4	0.0748216	6.63118	0	1	1
XLOC_018612	0.012463	0.1657	3.73285	0.191897	0.534088
2410001C21Rik_j1	0	0.424938	0	1	1
Rbm38_j1	0.0500652	0.103106	1.04225	0.446607	1
XLOC_018620	0.0989987	0.121965	0.300986	0.785801	1
XLOC_018620	0.0631205	0.113285	0.843778	0.354813	1
Edn3_j1	0	0.0662086	1.79769e+308	0.0404871	1
Edn3	0.292283	0.198166	-0.560657	0.20819	0.552263
Edn3_j2	8.98E-06	0.0808565	13.1366	0.988137	1
XLOC_018630	0.0636557	0.114002	0.840703	0.500869	1
Gm14403_j3	1.01786	0.705506	0	1	1
Cdh26_j2	0.0127984	0.0593654	2.21366	0.345115	1
Lsm14b_j2	0.00310905	2.67643	9.74962	0.0466331	0.247617
Gtpbp5_j6	0.196775	0.225446	0.196231	0.845658	0.951227
Osbpl2_j1	0	0.148435	0	1	1
Slco4a1_j6	0.0414546	0.325398	2.9726	0.0015022	0.0197677
Slco4a1_j7	0.245956	0.178355	-0.463653	0.482343	0.775514
Ntsr1_j1	0.111853	0.125996	0.171776	0.76657	1
1600027N09Rik_j4	0.0802248	0.0322056	0	1	1
1600027N09Rik_j5	0.342817	0.983104	0	1	1
Arfgap1_j3	1.4799	0.848439	-0.802616	7.10E-05	0.0016032
Arfgap1_j4	0.526419	0.751202	0.51299	0.0363559	0.210778
Arfgap1_j6	0.000102161	0.487724	12.221	0.631356	0.85652
Col20a1_j11	0.0896617	0.102658	0.195285	0.780818	1
Pdpf_j2	2.69979	2.951	0	1	1
Pdpf_j3	1.24866	1.2475	0	1	1
Pdpf_j4	3.5553	4.11522	0	1	1
Zgpat_j7	0.534645	0.630007	0	1	1
Dnajc5_j1	0.117028	0.14054	0	1	1
Oprl1_j1	0	0.407983	0	1	1
Myt1_j10	0.467716	0.568755	0.282174	0.131877	0.451884
Myt1_j14	0	0.051672	1.79769e+308	0.00037	1
Rpp38_j1	4.24004	4.38635	0	1	1
Mcm10_j4	0	0.0630884	1.79769e+308	0.0901958	1
Camk1d_j1	0.00661883	1.16421	0	1	1
Dhtkd1_j13	0.254636	0.180959	-0.492772	0.246992	0.594488
5430407P10Rik	0.095948	0.0610023	-0.653389	0.496143	1
5430407P10Rik_j5	0.0996094	0.108253	0.120057	0.867331	1
Celf2_j5	9.22E-05	0.736874	0	1	1
Celf2	0.584972	0.786755	0	1	1
Pfkfb3	0.973471	1.49683	0	1	1
Rbm17_j1	2.68934	2.8508	0.0841173	0.780284	0.925835

Fbxo18_j6	3.62832	4.06335	0	1	1
Fbxo18	5.92061	6.52217	0	1	1
Cubn_j6	0.403616	0.413519	0.0349709	0.961231	0.988989
Cubn_j5	0.0530206	0.201881	1.92888	0.0089601	0.0788679
Cubn_j10	0.104731	0.189895	0.858507	0.137988	0.461751
Ptpla_j10	0.0293977	0.172192	2.55024	0.0060922	0.0592898
Ptpla_j9	1.94328	2.05667	0.0818131	0.785587	0.928253
Nsun6_j3	0.292582	0.359694	0.297927	0.422674	0.738516
Nsun6_j2	0.116779	0.0835414	-0.483216	0.496762	1
Pip4k2a_j3	3.1322	6.05109	0	1	1
Abi1_j1	2.45068	3.46282	0	1	1
Abi1_j4	11.12	11.2917	0	1	1
Abi1_j3	0.00504659	0.907097	0	1	1
Abi1_j2	4.58012	6.04037	0	1	1
Spopl_j2	0	0.0513	0	1	1
Hnmt_j1	2.99158	3.63732	0.28197	0.172229	0.509505
Cacna1b_j9	1.48176	1.86797	0	1	1
Ehmt1_j5	0.127585	0.0468767	-1.44452	0.286676	1
Arrdc1_j3	2.05025	2.46015	0	1	1
Ndor1_j10	1.46438	1.38174	0	1	1
BC029214_j3	0.427835	0.652353	0.608599	0.0787945	0.340448
BC029214_j1	0.848414	0.865146	0.0281765	0.91959	0.974745
BC029214_j2	0.355045	0.517436	0.543376	0.394064	0.719809
Traf2_j5	0	0.322823	1.79769e+308	3.36E-06	0.0001199
Tmem141_j2	0.0401339	0.832283	0	1	1
Tmem141_j3	2.35526	1.56057	0	1	1
Camsap1_j4	2.19271	2.03705	0	1	1
Ubac1_j4	1.73177	2.50869	0.534687	0.0507137	0.260788
Nacc2_j3	4.13554	7.16663	0	1	1
Sdccag3_j1	5.27634	5.80241	0	1	1
Sdccag3	8.77602	9.67944	0	1	1
Inpp5e_j3	0.0612586	0.194202	0	1	1
Sec16a_j6	3.89367	3.94992	0	1	1
Notch1_j2	0.0711533	0	-1.79769e+308	2.21E-05	1
Snhg7_j3	0.732906	1.15757	0.659395	0.387159	0.714995
Rexo4_j2	0.0633979	0.106197	0.744231	0.500701	1
Fam163b_j2	4.22E-05	0.164341	11.9275	0.944379	0.983433
Gm13399_j1	0.0515523	0.321181	2.63928	0.0024863	0.029709
VAV2_j5	5.19992	6.35875	0	1	1
VAV2_j6	2.55337	3.04546	0	1	1
Brd3_j2	0.0544985	0.150116	0	1	1
Brd3_j3	0	0.408451	0	1	1
Gm13373_j5	0.405146	0.371577	-0.124783	0.817919	0.940936
Cel_j1	0.0774346	0.126592	0.709139	0.396923	1
Gtf3c5_j2	0.734811	1.04251	0	1	1
Ntng2_j8	1.86759	1.15117	0	1	1
XLOC_018793	0	0.0668002	1.79769e+308	0.0960603	1

Trub2	1.49155	1.5487	0	1	1
Sh3glb2_j6	42.5704	39.8337	0	1	1
Sh3glb2	2.94195	3.43281	0	1	1
Crat_j1	0.0856264	0.125994	0	1	1
AK138941_j1	0.127073	0.284722	1.1639	0.116801	0.425026
1700001O22Rik_j6	0.165391	0.106895	-0.629692	0.553894	0.817269
1700001O22Rik_j5	0	0.141888	1.79769e+308	0.0281567	1
Tor1a	0.5875	0.77139	0.39287	0.0515092	0.263177
Fnbp1_j3	11.4687	12.5504	0	1	1
Fnbp1_j4	0	0.0853611	0	1	1
Fnbp1_j6	1.79493	1.34903	0	1	1
Fibcd1_j1	0.11674	0.133114	0.189365	0.751498	1
Uck1_j5	2.20549	2.06366	-0.095896	0.657196	0.869349
Dnm1_j11	57.6862	57.9809	0	1	1
Slc25a25_j2	2.15831	2.83127	0	1	1
Slc2a8_j4	3.02378	1.89993	0	1	1
GLUTX1	2.1114	2.05263	0	1	1
Garnl3_j2	1.79679	2.81823	0	1	1
Garnl3_j1	12.0266	11.1401	0	1	1
Zbtb43_j1	0.32099	0.31994	0	1	1
Fam125b_j3	1.53754	1.99986	0	1	1
Pbx3_j2	0	0.424041	0	1	1
Hc_j1	0.126354	0.113545	-0.154198	0.903955	1
Rab14_j5	20.3436	23.7277	0	1	1
Rab14_j4	0.435114	0.566179	0	1	1
Ggta1	1.17464	1.5251	0	1	1
Ggta1_j9	0.371472	0.722523	0	1	1
Ttll11_j3	0.000110935	0.189476	0	1	1
Ndufa8_j2	41.6	43.752	0	1	1
Rc3h2_j3	0	0.0583842	1.79769e+308	0.0060087	1
Zbtb6_j1	0.301782	0.192225	0	1	1
Strbp_j6	0	0.67105	0	1	1
Dennd1a_j5	0.0786889	0.0440112	0	1	1
Nr6a1_j7	0	0.0878684	1.79769e+308	0.0034346	1
Golga1_j3	1.94133	1.77752	-0.127181	0.403233	0.726214
Golga1	4.77042	4.23206	-0.172759	0.245758	0.593119
Scai_j6	0	0.271168	0	1	1
Scai_j7	0.256279	0.141537	0	1	1
Lrp1b_j10	0.196415	0.142441	-0.463545	0.481221	0.774906
Zeb2_j5	2.12809	2.70584	0	1	1
Mmadhc_j1	3.8859	3.73306	0	1	1
Mmadhc_j2	1.31362	3.29458	0	1	1
Rnd3_j1	0	0.349617	0	1	1
Nmi_j3	0.671679	0.384761	0	1	1
Nmi_j4	0.0218361	0.857072	0	1	1
Neb_j3	0.163945	0.0958974	-0.773652	0.2107	0.555375
Neb_j13	0.0191441	0.0742488	1.95547	0.299149	1

Cacnb4	1.04487	0.705305	0	1	1
Prpf40a_j5	1.19296	0.955908	0	1	1
Acvr1_j2	0.267606	0.736395	0	1	1
Acvr1_j3	0	1.59306	0	1	1
Wdsub1_j6	1.30978	1.51493	0	1	1
Wdsub1_j4	1.09868	1.30111	0	1	1
Wdsub1_j5	0.864966	0.806499	0	1	1
Baz2b_j9	0.137029	1.02266	2.89977	0	0
AK166079_j1	0.238772	0.168287	-0.504707	0.689479	0.884848
AK166079_j2	0.305893	0.303387	-0.0118649	0.991302	0.997429
Ly75_j4	0.0257043	0.117803	2.19629	0.0064281	1
Rbms1	12.0765	8.05737	0	1	1
Fap_j5	0	0.0472856	1.79769e+308	0.0815479	1
Slc38a11_j4	0	0.092097	1.79769e+308	0.0204618	1
Slc38a11_j5	0.246306	0.108571	-1.18181	0.0922351	0.373713
Scn3a_j1	0.310406	0.381142	0.29617	0.428934	0.742566
Scn3a_j8	4.46E-05	0.478172	13.3889	0.886134	0.963821
Scn3a_j9	0.142102	0.15855	0.158016	0.711875	0.895433
Galnt3_j1	0.519134	0.884892	0.769395	0.0138177	0.108513
Scn1a_j1	10.1992	7.09429	0	1	1
Scn7a_j4	26.3875	21.9112	0	1	1
Stk39_j3	14.1267	19.8654	0	1	1
Stk39_j5	11.876	14.3578	0	1	1
Spc25	0.0749272	0.132761	0.825264	0.432253	1
Fastkd1_j2	0.000698566	0.704601	0	1	1
mKIAA0137_j4	5.45356	6.36988	0	1	1
Mettl8_j6	0.877754	1.83737	0	1	1
Chrna1_j3	0.271384	0.638044	1.23332	0.012304	0.0999771
Chn1_j2	0.222926	0.25877	0	1	1
Atf2_j1	0.112101	0	0	1	1
Atf2	4.2179	3.15854	0	1	1
1700109F18Rik_j1	0.136073	0.161474	0.24692	0.743441	0.910275
Nfe2l2_j1	0	1.62818	1.79769e+308	1.86E-10	1.77E-08
Pde11a_j1	2.17181	1.51206	0	1	1
Sestd1_j2	2.45549	4.16089	0	1	1
Cwc22_j3	0.264394	0.274374	0.0534532	0.950272	0.985635
Cwc22_j9	0.169913	0.278468	0.712714	0.559423	0.820619
Pde1a_j2	0	0.218997	0	1	1
Pde1a_j5	0	0.856652	0	1	1
Nckap1_j6	14.5306	14.6502	0	1	1
Ctnnd1_j4	0.215953	0.293086	0.440604	0.320388	0.66367
Rtn4rl2_j3	2.10944	1.64619	0	1	1
P2rx3_j7	0.323967	1.08208	0	1	1
P2rx3_j6	0.758217	0.43398	0	1	1
Ptprj	1.30489	1.43637	0.138501	0.397336	0.721699
Ptpmt1_j1	8.40683	8.93017	0.0871256	0.483952	0.776148
Slc39a13_j3	1.46711	1.41142	0	1	1

Madd_j10	0.0333845	0.808068	0	1	1
Zfp408	0.171873	0.257049	0	1	1
Dgkz_j8	25.5011	26.2004	0	1	1
Cry2_j3	9.25573	11.4073	0	1	1
Cry2_j4	4.8267	3.19947	0	1	1
Cry2_j5	9.37234	10.5952	0	1	1
Slc35c1_j1	0.635176	0.623268	0	1	1
Prdm11_j5	0	0.114821 1.79769e+308	0.0289132	1	1
Accs_j4	0	0.222723	0	1	1
Hsd17b12_j1	10.6751	12.5868	0.237663	0.110634	0.413936
XLOC_019019	0.0677335	0.289084	2.09355	0.247397	0.594944
Api5_j1	2.88373	2.71696	0	1	1
Ldlrad3_j1	0	0.228925 1.79769e+308	0.00048	0.0078693	1
Cd44_j3	0.0395276	30.4175	0	1	1
Ehf_j1	0	0.0750858 1.79769e+308	0.0133415	1	1
Nat10_j2	0.777825	0.760893	0	1	1
Caprin1	11.4479	11.8037	0	1	1
D430041D05Rik_j6	0.050713	0.0411336	-0.30204	0.663563	1
D430041D05Rik_j7	0.112395	0.0645038	-0.801119	0.131102	1
Pin1-ps1	0	0.271101 1.79769e+308	0.0285286	0.17974	1
Qser1_j1	0.0267721	0.123185	2.20203	0.0019876	1
Dnajc24_j1	4.25981	3.52705	-0.272328	0.316366	0.660085
AK084494_j3	0	0.266737 1.79769e+308	0.0416812	0.23036	1
AK084494_j4	0.0779826	0.104453	0.421631	0.744309	1
2700007P21Rik_j2	0.00207933	0.331546	0	1	1
Ryr3_j5	0.0823423	0.0940592	0.191936	0.740205	1
Ryr3_j12	0.0436775	0.117938	1.43307	0.2243	1
Scg5_j2	18.0314	15.3116	0	1	1
Meis2	2.20463	2.38547	0	1	1
Rasgrp1_j1	3.96755	4.24514	0	1	1
Fsip1	0.0659442	0.124038	0.911464	0.324054	1
Plcb2_j2	0	0.0869256 1.79769e+308	0.0789648	1	1
A430105I19Rik_j6	0	0.0938421	0	1	1
Dnajc17_j1	0.148361	0.11694	-0.343347	0.765041	0.919641
Spnb5_j13	0.125545	0.133873	0.0926636	0.85881	1
Spnb5_j8	0	0.112037 1.79769e+308	0.0141709	1	1
Spnb5_j9	0.0281507	0.0770545	1.45271	0.260733	1
Spnb5_j11	0.0335646	0.0785897	1.2274	0.422168	1
Spnb5_j3	0.0940407	0.173655	0.88487	0.245316	0.592781
Pla2g4e_j1	0	0.0495508 1.79769e+308	0.0473449	1	1
Tmem87a_j2	0.0858576	0.232432	0	1	1
Cdan1_j1	0.147338	0.204411	0	1	1
Tgm5_j1	0.0181335	0.0682368	1.91189	0.291949	1
Tgm5	0.112101	0.349411	1.64012	0.004436	0.0464363
Tgm5_j6	0	0.0958914 1.79769e+308	0.01792	1	1
Ppip5k1_j3	0.0458354	0.0572341	0	1	1
Duox2_j1	0.0253042	0.0625386	1.30537	0.397872	1

Shf	1.74376	2.07151	0.248476	0.398563	0.722606
Fbn1_j4	0	0.0880433	1.79769e+308	0.0001961	1
Cep152_j2	0.336197	0.29852	-0.171478	0.772921	0.922948
Cep152_j3	0.078144	0.0983639	0.331993	0.696992	1
Cep152_j13	0	0.0791587	1.79769e+308	0.0108591	1
Shc4	1.33229	1.2559	-0.0851825	0.684196	0.881956
Secisbp2l_j4	0.000278929	2.58341	0	1	1
Hdc_j3	0.16021	0.0253847	-2.65793	0.0969246	0.384612
Usp50_j2	0.154946	0.19003	0.294457	0.707209	0.893223
Trpm7_j6	3.31951	3.14451	0	1	1
2010106G01Rik_j3	2.36061	2.40218	0	1	1
2010106G01Rik_j2	0.00208131	0.743386	0	1	1
Ciao1_j1	0.713626	0.601933	0	1	1
Kcnip3_j1	14.02	10.0208	0	1	1
Kcnip3_j2	49.398	25.3668	0	1	1
Zfp661_j2	0.105407	0.195067	0.887991	0.108833	0.410409
Nphp1_j2	0.0793428	0.0681916	0	1	1
Nphp1_j3	0.256201	0.195861	0	1	1
Gm14005_j3	0	0.0705086	1.79769e+308	0.131272	1
XLOC_019156	0.0393847	0.130417	1.72743	0.146945	1
Gm14029	0.0135597	0.115671	3.09263	0.164837	1
Ckap2l_j1	0	0.132823	1.79769e+308	0.0229331	1
Idh3b_j4	24.7834	26.486	0.0958569	0.329109	0.671446
Idh3b_j7	65.4298	66.7389	0.0285789	0.762367	0.918113
Cpxm1	4.28099	5.08998	0.249715	0.0890673	0.365734
XLOC_019171	0.0716628	0.0776313	0.115413	0.943343	1
Fastkd5	0.447273	0.363022	0	1	1
Slc4a11_j1	0.0677107	0.145086	0	1	1
A730017L22Rik_j2	0.126234	0.0776315	-0.701386	0.303641	1
Adam33_j4	0.285554	0.207207	-0.46269	0.582621	0.832835
Siglec1_j1	0.201559	0.417224	1.04962	0.0144034	0.111726
1700037H04Rik_j2	0.238627	0.263937	0	1	1
Spef1_j1	0.0533173	1.07627	0	1	1
5730494N06Rik_j2	6.61078	9.67789	0	1	1
Gpcpd1_j6	2.44976	2.43189	0	1	1
Gpcpd1	1.27892	2.11898	0	1	1
Tmx4_j1	29.3491	27.3481	-0.101879	0.250044	0.597613
XLOC_019201	0.11883	0.166431	0.486022	0.570222	0.826188
Jag1_j6	0.279783	0.778311	0	1	1
Jag1_j7	0.122121	0.57865	0	1	1
Tasp1_j2	0.786143	0.276112	0	1	1
Esf1_j1	5.1696	5.05415	-0.0325833	0.806282	0.935928
Bfsp1_j4	0	0.18799	1.79769e+308	0.0110655	0.0923465
Bfsp1_j5	0.110978	0.159558	0.523803	0.539447	0.808383
Rrbp1_j7	3.89178	5.32633	0	1	1
XLOC_019220	0.0252043	0.10325	2.0344	0.287898	1
Ralgapa2_j3	0	0.0980002	1.79769e+308	0.0002501	1

Zfp120	0	0.657602	0	1	1
2310001A20Rik_j3	1.09151	2.13352	0	1	1
Ninl_j2	0	0.0885837 1.79769e+308	0.0034014		1
Snph_j1	7.87661	6.97011	0	1	1
Rbck1_j4	2.05708	2.40082	0	1	1
Dusp15_j1	6.06929	5.515	0	1	1
AK010870_j4	0.884575	0.450639	-0.973012	0.0560723	0.276974
AK010870_j5	0	0.114315 1.79769e+308	0.0528465		1
8430427H17Rik	1.03158	1.73916	0	1	1
Necab3_j3	24.0832	16.3698	0	1	1
Necab3_j5	0.0947685	0.0971137	0	1	1
Ncoa6_j1	0.302886	0.260852	-0.215542	0.542042	0.8099
Trpc4ap_j2	1.05394	1.59441	0	1	1
Edem2_j1	5.9338	6.92435	0.222722	0.305535	0.650747
BC029722	7.53645	7.29165	-0.0476382	0.658836	0.870345
Uqcc_j5	0.448626	0	0	1	1
Uqcc_j6	1.53098	0.515579	0	1	1
6430550D23Rik_j4	0.0830982	0.0306575	-1.43858	0.0618848	1
Nfs1_j1	10.0934	8.01877	0	1	1
Ndr3_j2	20.1681	21.1489	0	1	1
Ndr3_j1	3.92124	2.68321	0	1	1
Dsn1_j3	0.489642	0.485578	-0.0120252	0.977049	0.993297
Samhd1_j2	0.947773	1.76804	0.899535	0.0012041	0.0165938
9430008C03Rik_j5	0.230261	0.23281	0.015882	0.976873	0.993246
Ptp1b_j2	0.492459	0.0234217	0	1	1
Ptp1b	1.79704	1.61968	0	1	1
XLOC_019314	0.0433133	0.304947	2.81568	0.189661	0.531545
Jph2_j2	0.0686165	0.0226555	-1.5987	0.349783	1
Fitm2_j3	4.66996	9.18347	0	1	1
Ada_j3	0	0.0768393 1.79769e+308	0.0935131		1
Kcns1_j2	18.5735	10.3315	-0.84619	1.78E-15	3.74E-13
Kcns1_j1	2.62899	1.88999	-0.476124	0.0660325	0.30674
Slc35c2_j1	6.22035	5.5162	0	1	1
Zfp663	5.20E-05	0.338638	12.6682	0.906722	0.970429
Zfp334_j3	1.18848	1.70557	0	1	1
Slc13a3_j1	0	0.089141 1.79769e+308	0.0226353		1
Zmynd8_j14	0.62358	1.36589	0	1	1
Zmynd8_j16	0.219511	0.348737	0	1	1
Sulf2	1.5113	1.66522	0	1	1
Kcnc1_j5	6.72493	5.83257	0	1	1
B4galt5_j2	0.668892	6.18128	0	1	1
B4galt5_j4	5.03899	4.14104	0	1	1
Spata2_j3	3.45827	5.28087	0	1	1
Adnp_j2	1.23707	1.21618	0	1	1
Kcng1_j2	0.0681632	0.297851	2.12753	0.0008048	0.0120371
Atp9a_j7	0	0.137309	0	1	1
Atp9a	10.0915	8.73032	0	1	1

Aurka_j1	0.0958579	1.7193	0	1	1
Zbp1	0.0961289	0.331181	1.78458	0.0158072	0.11926
Ppp4r1l-ps_j5	1.03023	0.960129	0	1	1
Ppp4r1l-ps_j4	0.165222	0.233732	0	1	1
Ppp4r1l-ps_j10	0.0909613	0.228811	0	1	1
XLOC_019397	1.28511	1.08604	-0.242818	0.513912	0.793006
XLOC_019397	0.278522	0.259736	-0.100744	0.903127	0.969087
Sycp2_j4	0	0.0673307	1.79769e+308	0.172212	1
Taf4a_j1	0.693856	0.745577	0	1	1
Taf4a	0.468962	0.615272	0	1	1
Psm7_j2	2.14863	5.31147	0	1	1
Hrh3_j1	0	0.514329	1.79769e+308	4.52E-06	0.0001543
Lama5_j4	0.142686	0.42341	1.56921	1.44E-08	9.80E-07
Cables2_j3	0.0373757	0.229046	0	1	1
Cables2_j2	0.0478441	0.0879802	0	1	1
Tcf15	0.148007	0.317794	1.10243	0.0393541	0.221621
Dido1_j3	0.705777	0.672308	0	1	1
Chrna4_j1	0	0.300192	1.79769e+308	3.16E-06	0.000114
Kcnq2_j1	4.62224	5.40197	0	1	1
Kcnq2_j2	0.696518	0.427457	0	1	1
BC006779_j4	1.14449	1.45277	0.344096	0.191927	0.534088
BC006779	0.0596082	0.124034	1.05716	0.0301144	1
Znf512b_j7	3.38994	3.57928	0	1	1
Znf512b_j8	0.146678	0.119801	0	1	1
Rgs19	1.2291	1.82569	0	1	1
Fam171a1_j2	0	0.993309	0	1	1
Nmt2_j2	1.523	1.40861	0	1	1
Nudt5_j3	0.0395483	0.0475173	0.264836	0.630251	1
Usp6nl_j4	0	0.967745	0	1	1
Kin	5.5332	6.96594	0.332202	0.0298175	0.184928
Itih5_j1	0.544659	1.25949	1.20942	2.09E-08	1.38E-06
Il15ra	0.608223	0.910355	0.581828	0.251872	0.59988
Il15ra_j7	0.503666	0.522138	0.0519645	0.931483	0.979142
Ankrd16_j8	0.0832346	0.0962668	0	1	1
Ankrd16_j11	0.500285	0.398198	0	1	1
Vim_j4	0.320584	1.03772	1.69464	0.0002523	0.0046543
Vim_j5	0	1.13945	1.79769e+308	8.28E-05	0.0018274
Cacnb2_j4	0.399861	0.216796	-0.883157	0.0500063	0.258405
Plxdc2_j1	1.17614	1.19319	0.0207615	0.942257	0.982456
Mllt10_j2	0.376092	0.467215	0.313001	0.427709	0.741858
BC061194_j2	0.102108	0.125632	0.299111	0.798552	1
BC061194_j8	0.0221598	0.0794401	1.84192	0.332726	1
AK076779_j9	0.0576522	0.22859	1.98731	0.0613376	0.292429
Etl4_j7	0.407066	0.372602	0	1	1
Etl4_j8	0.839666	1.55012	0	1	1
Etl4_j11	0.221176	0.221144	0	1	1
XLOC_017912	0.0763214	0.0916783	0.264492	0.781999	1

Apbb1ip_j1	0	0.0527542	1.79769e+308	0.0825978	1
Yme1l1_j2	7.44683	6.38635	0	1	1
Il1rn	0.0349358	0.117122	1.74524	0.258024	1
Psd4_j3	0	0.122666	1.79769e+308	0.0004181	1
Pnpla7_j1	0	0.0755887	1.79769e+308	0.0053944	1
Nelf_j1	0.111691	0.146339	0	1	1
Entpd2	14.0757	15.3	0.12032	0.293009	0.640079
Abca2_j2	0.0725562	0.15374	1.08332	0.0169426	1
Abca2_j10	11.1909	14.1822	0.341752	0.0036917	0.0405533
Kcnt1_j7	4.13439	2.81012	0	1	1
Adamts12_j4	0.449044	0.120102	-1.9026	0.0116497	0.095923
Adamts12_j7	0	0.0915067	1.79769e+308	0.049844	1
BC050122_j1	0	0.0854066	1.79769e+308	0.0771332	1
Tsc1_j5	3.10657	2.34119	0	1	1
Ddx31_j3	2.46148	2.25275	0	1	1
Ttf1_j5	0.0824335	0.242418	1.55619	0.0154916	0.117492
Rapgef1_j6	0.127326	0.0930633	0	1	1
Slc27a4_j1	0.320172	0.227142	0	1	1
Urm1_j1	24.6054	22.1588	0	1	1
Urm1_j2	1.69352	1.10746	0	1	1
Odf2_j11	0.083283	0.101698	0.288199	0.737979	1
Odf2_j12	0.80685	0.72076	-0.16278	0.586739	0.834589
Spna2_j1	37.8123	40.2942	0	1	1
Spna2_j10	12.5588	27.4427	0	1	1
Set_j3	7.95883	8.22345	0	1	1
Lrrc8a_j1	7.43441	12.8925	0	1	1
Nup188_j2	0.479229	0.819664	0	1	1
Ppp2r4_j1	3.55872	3.34649	0	1	1
Ppp2r4_j2	2.53352	1.25345	0	1	1
Ppp2r4_j5	0.245796	0.596654	0	1	1
Ppp2r4_j8	6.97203	0	0	1	1
Mettl11a_j2	0.190919	0.150219	-0.345889	0.396336	0.721081
Ass1_j3	0	0.0687585	1.79769e+308	0.194421	1
Fubp3_j1	0.781354	0.768058	0	1	1
Fubp3_j4	2.10126	1.67164	0	1	1
Prdm12_j3	0	0.549429	0	1	1
Ciz1_j4	0.0775256	0.240208	0	1	1
Ptges2_j5	0.278782	0.297365	0.0930947	0.917018	0.97399
St6galnac4_j1	1.36998	2.17314	0.665631	0.028099	0.177892
St6galnac6_j3	1.4991	1.39671	-0.10207	0.789009	0.929615
St6galnac6	0.130158	0.206774	0.667798	0.523192	0.799177
Sh2d3c_j4	3.73863	4.22547	0	1	1
Fam129b_j1	5.96295	8.44322	0	1	1
Gsn_j1	0.0333711	0.142828	0	1	1
Gsn_j2	0	0.142828	0	1	1
Mrrf_j1	0.0393469	0.137612	0	1	1
Rabgap1_j1	0.111947	0.640933	0	1	1

Arhgap15_j6	0	0.079517	1.79769e+308	0.128925	1
XLOC_018060	0.204063	0.181515		0 1	1
Kif5c_j2	0.11017	0.126762		0 1	1
Kif5c_j7	65.4983	66.4079		0 1	1
Lypd6b_j4	0.277679	0.388978	0.48627	0.370284	0.703609
Rif1_j2	0.0654157	0.0979078	0.581786	0.283341	1
Rif1_j10	0.0543859	0.0948735	0.802774	0.2307	1
Fmnl2_j1	2.2254	1.93383	-0.202605	0.292553	0.639555
Fmnl2_j5	4.24146	4.29896	0.0194259	0.923245	0.976086
XLOC_018078	0.266781	0.152271	-0.809017	0.321533	0.664637
Galnt13_j6	0	0.0720354	1.79769e+308	0.0075954	1
AK036371_j1	0.0342185	0.148681	2.11937	0.0776034	1
Kcnj3_j1	0.083479	0.181538	0	1	1
Upp2_j12	0.0580472	0.547918	3.23866	6.31E-05	0.0014558
Upp2_j13	0.154031	0.0104391	-3.88315	0.0195675	0.138914
Pkp4_j3	0.280749	0.244938	-0.196864	0.673492	0.876948
AK050909_j4	0.0892755	0.0762918	-0.226737	0.862648	1
Slc4a10_j8	0.382376	0.40816	0.0941434	0.862788	0.956568
Gca_j1	4.88888	3.69115	0	1	1
XLOC_018100	0.193331	0.106381	-0.861836	0.123745	0.438193
Csrnp3_j3	0.0379701	0.108123	0	1	1
XLOC_018110	0.0816129	0.0521682	-0.645627	0.575662	1
Lass6_j1	5.29E-05	0.340864	12.6534	0.819482	0.941524
Phospho2_j1	2.65647	2.51886	0	1	1
Dync1i2_j3	6.67967	5.79408	0	1	1
Dync1i2_j6	1.0825	0.660337	0	1	1
Pdk1_j3	0	0.224793	0	1	1
XLOC_018152	0.11898	0.083176	-0.516481	0.516459	1
Osbpl6_j4	3.39077	3.16911	0	1	1
Plekha3_j3	1.96686	4.91621	1.32165	7.43E-07	3.21E-05
Ube2e3_j4	16.236	15.7826	0	1	1
Ube2e3_j7	0.0222302	0.286644	0	1	1
Zfp804a_j2	0.908669	1.64174	0	1	1
Fam171b_j1	1.90515	2.93687	0	1	1
Tnks1bp1_j3	2.15309	3.14928	0.54861	0.000399	0.0067558
Tnks1bp1_j4	0	0.408861	1.79769e+308	2.78E-07	1.33E-05
Tnks1bp1_j7	0	0.191526	1.79769e+308	0.0010899	0.0152782
Mtch2_j2	29.2219	30.3876	0	1	1
Kbtbd4	0.356945	0.349443	-0.0306445	0.918745	0.974658
Lrp4_j7	0.0784268	0.17716	1.17564	0.0345313	0.203985
Lrp4_j10	0	0.122038	1.79769e+308	0.009768	1
Phf21a_j9	0.0924352	0.491771	0	1	1
Phf21a_j15	0.0853841	0.173577	0	1	1
Chst1_j3	0.000338957	0.238087	0	1	1
Trp53i11_j1	0.464169	1.29728	0	1	1
Trp53i11	0.253256	1.0726	0	1	1
Cd59a_j2	0	0.0770205	0	1	1

AK015665_j5	0	0.0585964	1.79769e+308	0.0404737	1
Wt1_j1	0.0539745	0.0931861	0.787837	0.506156	1
0610012H03Rik	0.101648	0.190204	0.903968	0.448722	0.755217
XLOC_018249	0.0725524	0.147059	1.0193	0.564977	1
Mpped2_j3	0.368186	0.546523	0	1	1
Mpped2_j6	0	0.518506	0	1	1
Kif18a_j2	0	0.0694151	1.79769e+308	0.050652	1
Bdnf	1.74338	2.06599	0	1	1
Lgr4_j1	1.49355	2.03843	0	1	1
Thbs1	0.0502058	0.0348697	-0.525877	0.59898	1
XLOC_018295	0.0235694	0.100851	2.09724	0.415223	1
Bahd1_j2	4.07209	3.66539	-0.151801	0.301971	0.648141
Spint1_j2	1.24E-05	0.168509	13.726	0.98625	0.995937
Spint1_j1	0	0.230037	1.79769e+308	0.0031545	0.0358897
XLOC_018309	0.294572	0.369022	0.325086	0.488675	0.779261
1700020114Rik_j3	10.1097	8.80884	-0.198713	0.135116	0.457301
Nusap1_j1	0.527206	0.623319	0.241604	0.374786	0.707307
Itpka	0.135326	0.129373	-0.0648999	0.916722	1
Mga_j2	0.427131	0.314067	-0.443606	0.067636	0.31119
Mga_j7	1.5143	1.35157	-0.164011	0.295428	0.642035
Mapkbp1_j12	0.408064	0.897239	1.13669	0.027269	0.174471
Pla2g4b_j1	0.129509	0.258866	0.999151	0.0547883	0.273012
Pla2g4b_j9	0.204995	0.246102	0.263665	0.609625	0.846288
Pla2g4b_j12	0.0936947	0.317282	1.75972	0.0122921	0.0999302
Capn3_j4	0.0482585	0.114711	1.24915	0.310566	1
XLOC_018324	0.0242176	0.131183	0	1	1
XLOC_018324	0.36804	0.270023	0	1	1
mKIAA1300_j3	0.316457	0.286739	0	1	1
mKIAA1300_j4	0.264527	0.274601	0	1	1
Ccndbp1_j1	0.54353	0.734951	0.435289	0.440919	0.749828
Adal_j3	2.69364	2.65663	-0.0199597	0.925531	0.976854
Mtap1a_j1	11.6626	6.04305	0	1	1
2310003F16Rik_j1	1.45264	1.76897	0.284234	0.0621166	0.295046
2310003F16Rik_j2	0.281134	0.954665	1.76374	1.40E-10	1.38E-08
Wdr76_j1	0	0.0505422	1.79769e+308	0.0440374	1
Wdr76	0.472721	0.139513	-1.76059	0.0005144	0.008334
Wdr76_j2	6.38E-05	0.354603	12.4402	0.870581	0.958745
Ctdspl2_j9	0	0.428653	1.79769e+308	3.03E-07	1.44E-05
Sqrdl_j1	0.568656	0.561973	-0.0170544	0.976807	0.993246
Sema6d_j1	0.97416	1.2627	0	1	1
Dut_j1	13.8034	15.1133	0.130796	0.507353	0.789639
Galk2_j3	1.60147	1.24384	0	1	1
Galk2_j4	2.88638	3.20764	0	1	1
Fgf7_j1	0	0.253438	1.79769e+308	0.0027047	0.0317962
Usp8_j3	0.130285	0.0915892	0	1	1
Snrnp200_j1	4.70044	5.09245	0	1	1
Snrnp200_j4	9.41595	9.43233	0	1	1

Mrps5_j3	3.19422	4.04944	0.342259	0.236404	0.583594
Mrps5_j5	2.43654	2.01829	-0.271704	0.156314	0.4898
XLOC_018370	0.0811485	0.175925	1.11632	0.317175	0.66048
Sirpa_j3	1.6299	2.10033	0.36583	0.135361	0.457747
Nop56_j3	2.76447	2.86674	0.0524066	0.680561	0.879921
XLOC_018386	0.086286	0.125048	0.535288	0.525338	1
XLOC_018386	0.139435	0.183297	0.394586	0.357724	0.693571
Ebf3_j3	0.107123	0.297246	0	1	1
Ebf3_j2	0.589283	1.09959	0	1	1
XLOC_018390	0.0999265	0.137759	0	1	1
Vps16_j3	0.342419	0.466022	0	1	1
XLOC_018390	0.134805	0.163768	0	1	1
Cdc25b_j3	0.450404	0.349739	-0.364943	0.516899	0.795275
Pank2_j2	0.136846	0.159758	0.223339	0.581911	0.832581
Gm14051	0.1152	0.206029	0	1	1
Chgb_j2	6.91336	7.93605	0.199035	0.188866	0.530536
Chgb_j3	0.142674	0.112344	-0.34479	0.653051	0.867264
Plcb1_j2	0.539137	0.965457	0	1	1
6330527006Rik_j1	0.0152528	0.0561118	1.87923	0.42476	1
Btd3_j2	0.155793	0.312052	0	1	1
Macro2_j6	0.26438	0.165713	-0.673925	0.337933	0.678515
Macro2_j11	3.28033	2.70683	-0.277235	0.101281	0.3941
Macro2_j13	0.342668	0.185532	-0.885142	0.0873187	0.361539
Macro2_j19	0.000325276	0.737251	11.1463	0.495241	0.782763
Dstn_j3	77.8621	77.59	0	1	1
LOC668917_j6	0.295654	0.39506	0.418161	0.394623	0.719811
Sec23b	3.87608	3.78078	0	1	1
Naa20	1.90137	1.41258	-0.428713	0.0640135	0.300252
Cst11_j10	0	0.0955371	0	1	1
Fkbp1a_j3	193.885	232.822	0.264027	0.0021321	0.0262697
5430405G05Rik_j7	0.784486	1.74261	1.15143	0.0123299	0.100153
Scrt2_j4	32.7225	31.9071	-0.0364065	0.694573	0.887364
Tbc1d20_j1	0	0.100862	0	1	1
Tpx2	0.152623	0.16764	0.135399	0.804829	0.935454
Tpx2	0.0451825	0.0985438	1.125	0.188255	1
Xkr7_j2	0.214987	0.117985	0	1	1
BC020535_j6	0.0538845	0.38541	2.83845	0.0298084	0.184895
XLOC_018486	0	0.116305	1.79769e+308	0.0939542	1
Cbfa2t2_j3	0.156931	0.309949	0	1	1
Cbfa2t2_j2	1.3272	1.34367	0	1	1
Zfp341_j4	0.665447	1.13559	0.771048	0.0724647	0.323898
Raly_j5	0	0.210431	1.79769e+308	0.0340734	0.202163
Raly_j6	1.5387	6.67805	2.11772	4.26E-14	7.47E-12
Trp53inp2_j1	0.733321	0	-1.79769e+308	0.0066112	0.0629702
Acss2	0.795934	0.794126	0	1	1
Myh7b_j7	0.119544	0.0286795	0	1	1
Cep250_j4	0	0.0540921	0	1	1

XLOC_018506	1.03252	1.36544	0.403185	0.39668	0.721313
Phf20	5.89879	5.58413	0	1	1
Phf20_j1	0.413758	0.309582	0	1	1
Epb4.1l1_j5	0.87264	0.958817	0	1	1
0610011L14Rik_j3	9.47184	9.11996	-0.0546167	0.610667	0.846532
Dlgap4_j1	0.606598	1.26989	1.0659	0.0033167	0.0373028
Rpn2_j3	1.07685	1.44398	0	1	1
Rpn2_j4	0.0410361	0.209401	0	1	1
Src	1.71391	2.5955	0	1	1
Ralgapb_j4	0	0.208559	1.79769e+308	1.58E-06	6.13E-05
Actr5_j5	0.953651	1.2817	0.426523	0.27567	0.624585
Fam83d_j1	0.521219	0.627714	0.268218	0.523603	0.799432
Top1_j2	4.33542	5.22502	0.269265	0.164007	0.499741
XLOC_018538	0.144696	0.103638	-0.481476	0.69584	0.887819
9430021M05Rik_j4	0.0815479	0.129715	0.669621	0.45962	1
Gm14246_j2	8.51E-06	0.307947	15.1437	0.983779	0.995196
Srsf6_j3	15.0906	15.1581	0	1	1
L3mbtl_j4	0.26778	0.249333	-0.102973	0.826534	0.944076
Mybl2_j1	0.0907139	0.146618	0.692665	0.334435	1
AK082432_j1	0.143696	0.27393	0.930787	0.071475	0.321458
XLOC_018549	0.197239	0.262737	0.413677	0.425366	0.740539
XLOC_018552	0.0062163	0.0685822	3.46371	0.300443	1
1810053B01Rik	0	0.212152	1.79769e+308	0.046935	0.24858
Stk4_j3	0.0424646	0.466522	0	1	1
Dbndd2_j1	2.18924	4.93395	0	1	1
Snx21_j5	5.31914	9.49372	0	1	1
Eya2_j1	0.164691	0.325692	0.983752	0.136325	0.459356
Gm14291_j1	0.246337	0.25298	0.0383897	0.902389	0.968814
Slc9a8_j3	1.36865	0.625265	-1.13021	0.0083189	0.0747414
Rnf114_j3	6.67853	6.05874	0	1	1
AK027991_j1	0.354659	0.355803	0.00464702	0.991734	0.997561
Pard6b_j1	0	0.180597	0	1	1
Pard6b_j2	0.919691	0.596434	0	1	1
XLOC_018599	0.105094	0.129254	0.298531	0.801578	1
Tshz2_j2	0.165711	4.01789	0	1	1
XLOC_018605	0.0446347	0.112381	1.33216	0.194084	1
Pfdn4_j2	30.81	34.7235	0.172513	0.271077	0.620091
Dok5_j1	1.73986	2.17693	0.323321	0.252135	0.600172
XLOC_018612	0.078472	0.140326	0.838535	0.527207	1
2410001C21Rik_j4	0.89612	1.49461	0	1	1
Vapb_j4	0.266125	0.251555	-0.081235	0.843896	0.950627
Vapb_j5	85.4701	86.8735	0.0234953	0.790442	0.930178
BC086906_j2	1.4306	1.10264	-0.375661	0.0811898	0.346922
Etohi1_j1	0.310636	0.421035	0.438713	0.659377	0.870718
9030418K01Rik_j3	6.06198	5.18627	0	1	1
Ss18l1_j1	3.01805	3.52277	0	1	1
Slco4a1_j12	0	0.336354	1.79769e+308	0.0129903	0.104077

1600027N09Rik_j1	0.273633	0.477198	0	1	1
Col20a1_j1	0.11044	0.117259	0.0864337	0.875609	1
Col20a1_j7	0.0708722	0.159612	1.17127	0.28185	0.630397
Col20a1_j10	0	0.128219	1.79769e+308	0.0218235	1
Col20a1_j13	0	0.0471492	1.79769e+308	0.116722	1
Zgpat_j11	1.5099	1.84322	0	1	1
Prpf6_j1	1.34329	2.49619	0	1	1
XLOC_018666	0.0666494	0.100358	0.590492	0.584146	1
Tcea2_j6	9.15533	7.10812	0	1	1
Myt1_j1	0.203224	0.119974	-0.760351	0.0194826	0.138412
Myt1_j8	4.19953	4.31214	0.0381764	0.749093	0.912835
Myt1_j13	0.957719	0.675941	-0.502706	0.001615	0.0209917
Meig1_j1	0	0.0921861	0	1	1
Hspa14_j1	0	0.194691	1.79769e+308	0.0221211	0.151056
Camk1d_j2	0	0.189916	0	1	1
5430407P10Rik_j3	0.238564	0.173875	-0.456321	0.430494	0.743178
5430407P10Rik_j4	1.25E-05	0.141177	13.4598	0.977387	1
Celf2_j8	0.448275	0.00119432	0	1	1
Atp5c1_j2	72.6579	70.8885	-0.0355683	0.713684	0.896209
Pfkfb3_j2	8.55043	13.5433	0	1	1
Fam188a_j4	1.70128	1.62589	0	1	1
Fam188a_j3	10.5519	10.2243	0	1	1
Trdmt1_j1	0.429889	0.490385	0.189951	0.587791	0.835082
Trdmt1_j2	0	0.0607925	1.79769e+308	0.0357688	1
Ptpla_j2	0.011267	0.0546678	2.27858	0.179114	1
Nsun6_j7	0.790399	1.00735	0.349918	0.276609	0.625543
Nabl_j5	0.143576	0.398934	1.47433	0.0133633	0.106021
Arhgap21_j2	0.000298739	0.646311	0	1	1
Gm13340	75.6499	69.2401	-0.12773	0.149339	0.478596
Cacna1b_j2	0.67496	0.737635	0	1	1
Cacna1b_j1	1.39234	1.19987	0	1	1
Cacna1b_j4	0.591158	0.652862	0	1	1
Ehmt1_j9	0.708982	0.853769	0.268098	0.472725	0.769673
Ehmt1_j10	1.10496	1.14096	0.0462536	0.877532	0.96086
Ehmt1_j11	0.000156321	0.805984	12.332	0.610935	0.84666
Ehmt1	0.518399	0.640592	0.305343	0.300338	0.646972
A830007P12Rik_j2	0.0140696	0.300411	4.41629	0.0013402	0.0180811
Ndor1_j3	0	0.223511	0	1	1
Ndor1_j4	1.02697	1.237	0	1	1
Ndor1_j5	0.49306	0.426536	0	1	1
Ndor1_j6	0	0.0593919	0	1	1
Grin1_j5	1.58678	1.1173	-0.506084	0.0600608	0.288627
Dpp7_j1	9.30142	9.6475	0	1	1
Dpp7_j2	1.85457	1.89079	0	1	1
C8g_j1	0	0.107067	1.79769e+308	0.0607778	1
Mamdc4_j1	0.0418896	0.0790435	0.916056	0.251295	1
Mamdc4_j3	0	0.0789655	1.79769e+308	0.0588645	1

Mamdc4_j4	0	0.062732	1.79769e+308	0.0840799	1
Phpt1_j4	0	0.199186	1.79769e+308	8.03E-05	0.0017797
B230208H17Rik_j3	3.97734	4.91553		0	1
B230208H17Rik_j5	4.22815	4.82113		0	1
Camsap1_j9	0.383563	0.342641		0	1
Card9_j5	0.107771	0.14584		0	1
Snpc4_j1	0.931201	1.05415		0	1
Inpp5e_j1	0.0779566	0.0638591		0	1
Notch1_j3	4.13288	5.05538	0.290674	0.042114	0.231937
Tmem8c_j1	0	0.0862437	1.79769e+308	0.0993812	1
Gm13399_j2	0.0403597	0.132073	1.71035	0.197726	1
Sardh_j2	0	0.108835	1.79769e+308	0.0431506	1
Brd3_j4	0.0177197	0.66749	0	1	1
Brd3_j5	0	0.0529204	0	1	1
Gm13373_j1	0.0276618	0.0470071	0.764984	0.437512	1
Ntng2_j5	0.897333	1.04938	0	1	1
XLOC_018793	0.0861972	0.158648	0.880115	0.327156	0.670083
Zer1_j3	8.12337	9.23969	0	1	1
D2Wsu81e_j1	5.26927	5.51521	0	1	1
Ccbl1_j3	0.0822211	0.110265	0.423395	0.725088	1
1700001O22Rik_j2	0.0168149	0.21653	3.68675	0.195151	0.537411
Asb6_j1	8.90769	10.5679	0.246571	0.0831301	0.351361
Fnbp1_j2	10.9506	8.61028	0	1	1
Fnbp1_j5	1.49894	5.68782	0	1	1
Dnm1_j7	18.824	19.284	0	1	1
Dnm1_j16	14.6255	10.0397	0	1	1
Cdk9_j2	1.00239	1.66613	0.733058	0.0231703	0.155908
Ttc16_j1	0.0773519	0.0673951	-0.198793	0.855438	1
Lrsam1_j3	1.70396	2.05695	0	1	1
Slc2a8_j3	0.329834	0.752168	0	1	1
Slc2a8_j2	2.74547	1.41394	0	1	1
Fam125b_j1	5.28538	6.6696	0	1	1
Pbx1	0.186954	0.848359	0	1	1
Gapvd1_j11	0.368888	0.238676	0	1	1
Rabepk_j1	0.854201	0.878405	0	1	1
Psm5_j2	14.5988	13.4727	-0.115802	0.258152	0.606767
Traf1	1.85E-05	0.451501	14.5785	0.978065	0.993721
Traf1_j6	0.198726	0.271814	0.451838	0.428425	0.742311
Hc_j4	0.127541	0.181933	0.512453	0.627489	0.854629
Rab14_j6	0.0212344	0.570698	0	1	1
Rab14_j7	0	0.514103	0	1	1
Ggta1_j1	0.881018	1.15514	0	1	1
Ggta1_j2	0	0.440025	0	1	1
Ggta1_j3	0.882771	0.512036	0	1	1
AK138201_j1	0.283539	0.326656	0	1	1
AK138201_j3	1.51921	0.680169	0	1	1
AK138201_j2	0.0993107	0.0921851	0	1	1

Rc3h2_j2	7.66642	7.6778	0.00214023	0.983164	0.994966
Strbp_j5	0.101643	0.223636	0	1	1
Dennd1a	0.277185	0.518982	0	1	1
Dennd1a_j6	0.0891478	0.121581	0	1	1
Lrp1b_j5	0	0.055752 1.79769e+308		0.0087264	1
Lrp1b_j11	0.041393	0.154587	1.90096	0.25269	1
Zeb2_j4	0.110549	0.874725	0	1	1
Rnd3_j2	1.32375	1.70609	0	1	1
Rbm43_j2	6.14322	7.42761	0	1	1
Neb_j5	0	0.0741551 1.79769e+308		0.0801399	1
Cacnb4_j2	0.136566	0.0867814	0	1	1
Prpf40a_j3	0.0334167	0.146138	0	1	1
Acvr1_j4	1.35491	3.50352	0	1	1
Wdsub1_j3	1.42878	1.24816	0	1	1
Wdsub1_j2	1.01359	1.05536	0	1	1
Baz2b_j2	0.645636	0.855578	0.406178	0.117494	0.426469
AK166079_j3	0.016132	0.13224	3.03516	0.250729	1
Ly75_j5	0	0.0661251 1.79769e+308		0.0058333	1
Pla2r1_j4	0.0698519	0.180996	1.37359	0.0364536	0.211118
Rbms1_j5	0	0.627253	0	1	1
Fap_j4	0.0248711	0.180762	2.86155	0.0190093	0.136137
Kcnh7_j4	1.29638	1.37062	0	1	1
Kcnh7_j5	0.192437	0.151623	-0.343891	0.72078	0.900079
Cobll1	4.52E-05	0.492716	0	1	1
Cobll1_j3	0.061939	0.040619	0	1	1
Slc38a11_j1	0	0.0553079 1.79769e+308		0.021861	1
Scn3a_j12	0.1144	0.156329	0.450495	0.491867	1
Ttc21b_j3	0.176392	0.283929	0.686748	0.146272	0.474547
Scn9a_j1	6.17961	3.45806	0	1	1
Scn9a_j4	0.415806	0.574136	0	1	1
Scn9a_j3	0.433245	0.227834	0	1	1
Scn7a_j3	0.743853	0.888563	0	1	1
Stk39_j1	33.6813	42.2702	0	1	1
Stk39_j4	9.00282	16.3019	0	1	1
Lrp2_j1	0.177019	0.1538	-0.202853	0.743594	0.910278
Lrp2_j3	0	0.130436 1.79769e+308		0.0051103	1
Fastkd1_j3	0.723851	0.603916	0	1	1
4930578N16Rik_j2	0	0.095673 1.79769e+308		0.0449788	1
Mettl5_j2	4.18884	3.52736	0	1	1
mKIAA0137_j1	9.54347	9.47643	0	1	1
Mettl8_j3	0	0.0566123	0	1	1
XLOC_018931	0	0.0980487 1.79769e+308		0.0477379	1
Sp3_j4	7.01572	7.40137	0.077201	0.579849	0.831214
Wipf1_j1	0	0.646038	0	1	1
Chrna1_j2	0.331622	0.895578	1.43328	0.023931	0.159454
Chn1_j1	0.448721	0.356441	0	1	1
Atf2	0.76028	0.696697	0	1	1

Lnp_j2	0.529778	0.828716	0	1	1
XLOC_018948	0.0819829	0.150425	0	1	1
Prkra_j3	4.86236	3.56979	0	1	1
Fkbp7_j2	0.0396524	0.0508598	0.359121	0.865527	1
Cerkl	0.175946	0.129087	-0.446791	0.327906	0.670433
Frzb_j1	2.9616	5.47465	0.886392	7.44E-08	4.18E-06
Nckap1_j4	8.74315	7.09047	0	1	1
Nckap1_j7	26.4851	27.503	0	1	1
Calcr1_j2	0.000262254	0.448798	0	1	1
Tfpi	0.0690087	0.0954682	0.468242	0.662437	1
Ctnnd1_j5	2.40982	1.88516	-0.354241	0.0579123	0.282427
Ctnnd1_j6	0	1.46261	1.79769e+308	3.31E-17	8.57E-15
Tmx2_j6	29.1353	29.3826	0	1	1
Serping1_j1	8.82514	13.6726	0	1	1
Rtn4rl2_j4	2.357	1.07452	0	1	1
Lrrc55_j2	0.880263	1.2429	0.497704	0.0082397	0.0742574
Ptprj_j1	3.37E-05	0.146252	12.0828	0.882006	1
Ndufs3_j2	4.71078	4.07547	-0.208998	0.397764	0.722115
Slc39a13_j2	1.10968	0.860429	0	1	1
Madd_j7	0.205954	0.908497	0	1	1
Madd_j15	2.13081	1.44976	0	1	1
Nr1h3	0.19089	0.482673	1.3383	0.022798	0.154209
Nr1h3_j1	0	0.14827	1.79769e+308	0.0272366	1
Nr1h3	0.856673	0.641467	-0.417371	0.274604	0.623743
Nr1h3_j2	0.12708	0.0725654	-0.80838	0.521445	1
Ddb2_j2	0.100584	0.139606	0	1	1
Mdk	0.0233931	0.0556408	0	1	1
Mapk8ip1_j6	0.348827	0.233557	0	1	1
Prdm11_j6	0	0.0675692	1.79769e+308	0.102836	1
Cd82	3.52899	4.53759	0	1	1
Ext2_j2	4.82658	7.15764	0	1	1
Accs_j6	0.054052	0.1139	0	1	1
Accs_j5	0	0.095323	0	1	1
Accs_j7	0.275028	0.107727	0	1	1
Accsl_j1	0.416035	0.227485	-0.870935	0.0875679	0.362171
XLOC_019019	0.0651788	0.170344	1.38598	0.125093	0.440565
Ttc17_j3	3.69969	3.64833	0	1	1
Ttc17_j1	2.56406	2.22811	0	1	1
Trim44_j1	13.8418	14.7116	0	1	1
Cd44_j1	0	0.855692	0	1	1
Nat10_j4	0.0246043	0.0727865	0	1	1
Caprin1_j3	35.742	40.2336	0	1	1
Caprin1_j6	0	1.44301	0	1	1
D430041D05Rik_j11	0	0.0478947	1.79769e+308	0.144517	1
Tcp11l1_j2	6.49193	6.62905	0	1	1
Prrg4_j1	0.0899033	0.195683	1.12207	0.226112	0.573388
Eif3m_j3	0	0.23796	1.79769e+308	1.62E-05	0.0004679

AK084494_j2	0.0836338	0.14046	0.748	0.510407	1
2700007P21Rik_j1	0.699578	1.25037	0	1	1
Tmem85_j1	13.263	22.8129	0	1	1
Ryr3_j6	0.185194	0.379611	1.03549	0.0119	0.0975729
Ryr3_j8	0.118849	0.139375	0.229844	0.810181	1
Ryr3_j9	0.127723	0.198151	0.63358	0.242791	0.590221
Ryr3_j10	0.2072	0.0756628	-1.45337	0.0568085	0.27897
Ryr3_j15	0.0417956	0.102691	1.29688	0.142989	1
Ryr3_j18	0.0564107	0.140348	1.31497	0.0926525	1
Meis2_j2	1.46634	0.790777	0	1	1
Meis2_j3	2.09147	0.539216	0	1	1
Meis2	0.76391	0.370274	0	1	1
Bmf_j2	0.0272841	0.0562782	1.04452	0.338602	1
A430105I19Rik_j7	0	0.271921	0	1	1
A430105I19Rik_j8	0.323335	0.0795905	0	1	1
Ino80_j1	0.102969	0.256101	0	1	1
Exd1_j2	0.0327868	0.0633749	0.950795	0.497012	1
Exd1_j3	0.0539879	0.0364518	-0.566647	0.671714	1
Exd1_j4	0.0509026	0.0613751	0.269915	0.814343	1
Rpap1_j2	1.28121	1.90815	0	1	1
Spnb5_j3	0.0457173	0.0546418	0.257265	0.661724	1
Spnb5_j10	0.0385759	0.0504713	0.387762	0.811418	1
Spnb5_j1	0.08731	0.151922	0.799116	0.317891	1
Ehd4_j1	2.22721	3.40001	0	1	1
Cdan1_j3	0.617666	0.685137	0	1	1
Ubr1_j5	0.25012	0.889204	0	1	1
Ubr1_j6	0.315465	1.15476	0	1	1
Trp53bp1_j5	0.0185032	0.797437	0	1	1
Ppip5k1_j1	1.91027	1.67932	0	1	1
Ppip5k1_j2	9.19677	7.68575	0	1	1
Spg11_j1	0	0.109627	1.79769e+308	0.0003582	1
Patl2_j1	0.0350913	0.181161	2.36809	0.0839784	0.353567
Duoxa1_j1	0.0555506	0.200506	1.85177	0.0881166	0.363421
Duoxa1_j2	0.0621165	0.136471	1.13555	0.383335	1
Duoxa1	0.30084	0.131003	-1.1994	0.166203	0.502787
AK030357_j1	0.192104	0.199676	0.055773	0.948338	0.985052
Fbn1_j3	0	0.127838	1.79769e+308	0.0003864	1
Fbn1_j6	0.0309253	0.0806904	1.38361	0.272469	1
Cep152_j4	0.081874	0.0452118	-0.856707	0.540955	1
Cep152_j7	0.0425353	0.137659	1.69437	0.1608	1
Cep152_j14	0	0.079092	1.79769e+308	0.0308619	1
Cep152_j15	0.069374	0.0427548	-0.698308	1	1
Shc4_j2	3.2086	3.30334	0.0419839	0.778808	0.925532
Secisbp2l_j5	0.747331	0.380785	0	1	1
Cops2_j1	13.03	15.8209	0	1	1
Trpm7_j4	0.0297187	0.219783	0	1	1
Kcnip3_j5	10.808	18.5636	0	1	1

Prom2_j1	0.33877	0.13746	-1.30129	0.0160208	0.120475
Gm14005	0	0.114969	1.79769e+308	0.0650638	1
Zc3h8_j2	0.101527	0.325534	1.68095	0.0641604	0.300651
Gm14025_j2	0.475468	0.42972	-0.145951	0.609447	0.846192
XLOC_019158	0.307002	0.263764	-0.219001	0.388943	0.71624
ldh3b	8.38578	6.15311	-0.446629	0.0046983	0.0484224
Cpxm1_j1	2.29534	3.09955	0.433348	0.0434101	0.236471
Prosapip1_j1	0.426803	0.168361	0	1	1
Slc4a11_j8	2.23703	3.94374	0	1	1
Slc4a11_j9	0.365122	0.292551	0	1	1
Slc4a11_j10	0.0421737	0.171078	0	1	1
4930402H24Rik_j3	1.01465	0.934107	0	1	1
A730017L22Rik_j1	0.195653	0.234981	0.264246	0.419412	0.736103
Adam33_j7	0.0302114	0.0694903	1.20172	0.280518	1
1700037H04Rik_j3	4.73991	3.4532	0	1	1
Spef1_j2	18.562	19.917	0	1	1
Pcna_j1	3.33385	3.73065	0.162241	0.554651	0.817684
Prokr2	0.233161	1.07778	0	1	1
Lrrn4_j2	0.744307	0.510811	-0.543109	0.0580196	0.282639
Pak7_j4	0	0.0799856	1.79769e+308	0.0094792	1
Mkks_j1	11.6048	8.90622	0	1	1
Kif16b_j4	0.407018	0.885041	1.12065	0.0003782	0.0064781
Rrbp1_j3	0.522297	1.43947	0	1	1
Rrbp1_j6	1.35451	2.71674	0	1	1
Rrbp1_j5	0.426439	0.263848	0	1	1
Rrbp1_j4	1.30865	1.0022	0	1	1
6330439K17Rik_j3	1.63091	0.537322	0	1	1
6330439K17Rik_j2	0.45207	1.0014	0	1	1
6330439K17Rik_j1	1.0347	1.85199	0	1	1
Ralgapa2_j6	0.173543	0.133901	-0.374131	0.403502	0.726353
Ralgapa2_j4	0.0536555	0.186835	1.79997	0.0008189	0.012198
Zfp120_j3	0	0.220082	0	1	1
Acss1_j1	0.293572	0.558301	0.927326	0.0523119	0.265559
Ninl_j4	0.249373	0.119403	-1.06247	0.073474	0.326641
Ninl_j5	0.14431	0.153585	0.0898688	0.873015	0.959782
AA387200_j4	0.159795	0.288398	0.851839	0.194943	0.537285
Rbck1_j1	13.4967	12.4833	0	1	1
Rbck1	0	2.50822	0	1	1
Bcl2l1_j2	4.66291	3.7498	0	1	1
Dusp15_j2	3.49751	3.63448	0	1	1
Pdrg1_j6	4.32346	8.38273	0	1	1
8430427H17Rik_j3	2.09751	3.97238	0	1	1
8430427H17Rik_j4	0	1.49485	0	1	1
Cdk5rap1_j1	1.14315	1.86805	0.708516	0.0360089	0.209396
Necab3_j9	5.74003	5.67733	0	1	1
Pxmp4_j1	2.05103	1.32703	-0.628151	0.109002	0.410746
Eif2s2_j2	0.166611	0.220621	0.405084	0.392758	0.718932

Ahcy_j1	0.482821	0.677834	0.489443	0.0643605	0.30127
Ggt7_j1	51.2192	56.6764	0.146063	0.113841	0.419484
Uqcc_j2	0	0.0500434	0	1	1
Cpne1_j2	0.0577317	0.115189	0	1	1
Nfs1_j2	7.13945	9.23723	0	1	1
Rbm39	13.2325	15.7142	0	1	1
AK015092_j6	0.319762	0.0370727	-3.10857	0.0192729	0.137424
AK015092_j7	0.0683293	0.238986	1.80635	0.0483731	0.253052
Dsn1_j2	0	0.0636325	1.79769e+308	0.0301846	1
9830001H06Rik_j2	0.0895209	0.0596294	0	1	1
Rbl1_j3	0	0.071163	1.79769e+308	0.0430936	1
Gm14286_j7	0.166953	0.252373	0.596111	0.0572296	0.280348
D630003M21Rik_j1	0.0762854	0.258163	1.7588	0.0565356	0.278163
9430008C03Rik_j7	0.0992978	0.1928	0.957269	0.268944	0.61796
Zhx3_j3	0.313198	0.452533	0.530946	0.0700502	0.31768
Tomm34_j4	3.24712	9.45152	0	1	1
Tomm34	9.3836	8.80501	0	1	1
Matn4_j1	3.62311	3.55417	-0.0277173	0.914758	0.973386
Sdc4_j1	0	0.622055	1.79769e+308	1.78E-05	0.0005038
Zfp335_j3	0.199	0.308525	0.632617	0.0199226	0.140432
Zfp335_j8	3.5611	3.72773	0.0659715	0.713564	0.896209
Zmynd8_j1	4.67929	4.35085	0	1	1
Zmynd8_j2	3.02638	2.65709	0	1	1
Gm14267_j2	0.0431082	0.174197	2.01469	0.193508	0.535786
Gm14267	0.0640178	0.0792638	0.308187	0.80056	1
Prex1_j5	2.01458	2.02958	0.0107028	0.952167	0.986165
Stau1_j1	0.76683	0.753758	0	1	1
Znfx1_j3	0.0209119	1.03986	0	1	1
Ptgis_j1	0.0709581	0.121293	0.773461	0.368838	1
Ptgis_j2	0.197962	0.204102	0.0440676	0.928091	0.977771
B4galt5_j1	4.37044	5.02875	0	1	1
Fam65c_j7	0.224552	0.194625	-0.206354	0.63728	0.859508
Adnp_j1	8.02768	10.4917	0	1	1
Adnp	5.9705	4.37477	0	1	1
Zfp217_j1	0.606141	0.511908	-0.243771	0.456129	0.759706
Zfp217	0.0075886	0.519479	6.09709	2.35E-05	0.0006318
Bmp7_j2	0.29606	0.323951	0.129885	0.846934	0.951557
Bmp7_j3	0.31121	0.389756	0.324684	0.533123	0.804862
Zbp1_j5	0.0796876	0.0641017	-0.313994	0.784156	1
Ppp4r1l-ps_j9	0.124108	0.0965629	0	1	1
AK166773_j2	0.262711	0.145945	-0.848056	0.161197	0.496146
Sycp2_j1	0.0194429	0.0761542	1.96968	0.303619	1
Sycp2_j3	0.0865784	0.219882	1.34465	0.341957	0.681825
Taf4a_j3	0	0.45225	0	1	1
Psm7_j4	30.5196	37.4347	0	1	1
Hrh3_j5	0.0569358	0.0541408	-0.0726194	0.951766	1
Lama5_j1	0.37693	0.441577	0.228368	0.313174	0.657504

Cables2_j9	0	0.356514	0	1	1
AK045814_j3	0.459462	0.7362	0.680151	0.297509	0.644154
AK045814_j5	0.504324	0.0676449	-2.8983	0.012563	0.101556
Ythdf1_j2	19.5905	18.1538	-0.109886	0.26905	0.618001
Kcnq2_j5	0.678554	0.661933	0	1	1
Kcnq2_j4	0.202407	0.213184	0	1	1
Kcnq2_j6	2.9531	2.4973	0	1	1
Eef1a2_j2	15.9872	24.0172	0	1	1
BC006779_j8	0.0747295	0.186411	1.31874	0.0068321	0.0645944
BC006779_j14	0.0346893	0.113432	1.70927	0.369113	1
Gmeb2_j1	0	0.0904093	1.79769e+308	0.014197	1
Stmn3_j5	0.307568	0.541573	0	1	1
Zbtb46_j3	0	0.146507	1.79769e+308	0.0008723	1
Znf512b_j6	0.155132	0.328288	0	1	1
Fam171a1_j1	2.21142	4.08069	0	1	1
Dclre1c_j3	0.519171	0.570453	0	1	1
Cdnf_j3	0.644705	0.749439	0.217172	0.461707	0.762973
Fam107b_j1	0	0.575885	0	1	1
Frmd4a_j4	0.682377	1.58891	0	1	1
Bend7_j3	0	0.299703	1.79769e+308	1.87E-05	0.0005257
Sephs1_j2	0.36294	0.749198	1.04561	0.0317251	0.192861
Upf2_j5	1.31503	1.73294	0	1	1
Usp6nl_j3	0.0242476	1.54979	0	1	1
Usp6nl_j6	0	0.29403	0	1	1
Il15ra	0.32864	0.268272	-0.292813	0.690452	0.885326
Il15ra_j5	0.589345	0.349694	-0.753021	0.300885	0.647316
Pter_j1	0.149071	0.148385	-0.00665166	0.993229	0.997985
Vim_j6	13.1632	33.2463	1.33668	0	0
Mllt10	0	0.175339	1.79769e+308	2.24E-06	8.41E-05
Mllt10_j4	0.217789	0.312313	0.520063	0.0989927	0.389269
BC061194_j9	0.0437939	0.0884972	1.0149	0.543226	1
Msrp2_j1	5.26165	5.17234	-0.0246969	0.918	0.974435
Etl4_j12	2.54784	2.19476	0	1	1
Gm13375_j1	3.74226	5.12707	0	1	1
Acdb5_j1	1.78631	2.2031	0	1	1
Yme1l1_j3	0	0.210812	0	1	1
XLOC_017926	0	0.117345	1.79769e+308	0.0205003	1
Pnpla7_j3	0	0.142111	1.79769e+308	0.0011085	1
Pnpla7_j8	0	0.0669757	1.79769e+308	0.102615	1
Nelf_j6	1.3509	1.36857	0	1	1
Nelf_j8	5.50227	7.35854	0	1	1
Entpd2_j1	0.787175	2.10599	1.41974	4.05E-05	0.0009956
Abca2_j6	0	0.448253	1.79769e+308	3.29E-10	2.98E-08
Abca2_j8	4.81975	9.69797	1.00872	0	0
Edf1_j3	58.3789	35.0027	-0.737978	6.58E-05	0.0015071
Edf1_j4	0.0134967	35.0027	11.3406	0.125213	0.440797
Kcnt1_j2	3.10169	1.78121	0	1	1

Kcnt1_j5	8.07258	6.63383	0	1	1
Kcnt1_j8	0.834676	1.55258	0	1	1
XLOC_017947	0.0768969	0.0796323	0	1	1
Gpsm1_j4	0.22843	0.1869	0	1	1
Pmpca_j2	0.104807	0.0570617	0	1	1
Pmpca_j5	13.3742	14.6239	0	1	1
Egfl7_j1	0.413927	0.336286	-0.299687	0.711238	0.89506
Gm711_j1	0.0479153	0.151074	1.6567	0.136494	1
Adamtsl2_j2	0	0.113971	1.79769e+308	0.0082931	1
Adamtsl2_j6	0	0.0598358	1.79769e+308	0.106675	1
Rxra_j4	2.22078	2.63167	0	1	1
Ralgds_j1	0	0.251081	0	1	1
Ralgds_j4	4.4651	8.36665	0	1	1
Tsc1_j1	0.233165	0.281033	0	1	1
Tsc1_j3	0.433161	0.170064	0	1	1
Ttf1_j2	0.0499898	0	-1.79769e+308	0.0309578	1
Ttf1_j4	0.0376813	0.0920544	1.28864	0.283699	1
Slc27a4_j2	3.13845	8.44141	0	1	1
Slc27a4_j3	11.4447	20.5918	0	1	1
Cercam_j2	0.459093	0.488338	0.0890961	0.810189	0.937876
Cercam_j1	0.632124	0.392912	-0.686001	0.0874886	0.361997
Cercam_j3	0.639132	0.820925	0.361135	0.169203	0.505902
Odf2_j6	0.292268	0.283454	-0.0441747	0.931951	0.97932
Odf2_j13	0.10581	0.193326	0.869558	0.211893	0.556681
Gle1_j1	6.06182	6.91195	0.189342	0.384854	0.713552
Spna2_j4	35.5957	39.8416	0	1	1
Spna2_j3	28.9108	35.2205	0	1	1
Nup188_j1	0.743063	0.67796	0	1	1
Nup188_j3	0.0350723	0.0628616	0	1	1
Nup188_j4	0.0729653	0.0679418	0	1	1
Prrx2	0.0299727	0.0738911	1.30175	0.510844	1
Prdm12_j4	12.4616	10.9959	0	1	1
Golga2_j1	10.7195	11.1891	0.0618682	0.534304	0.805503
Ptges2_j7	0	0.334632	1.79769e+308	0.0172362	0.127027
St6galnac6_j1	0.568878	1.45048	1.35034	4.54E-08	2.71E-06
Eng_j1	1.72723	1.77318	0.0378756	0.798809	0.933125
Sh2d3c_j1	0.122267	0.0940017	-0.379279	0.682246	1
Hspa5_j1	34.1694	41.3886	0	1	1
Dab2ip_j1	0.077061	0.0533952	0	1	1
Rabgap1_j3	0	0.392473	0	1	1
Rabgap1_j5	8.64257	9.26211	0	1	1
XLOC_018045	0.10692	0.098064	-0.124733	0.886495	1
Lypd6b_j9	0.0562713	0.265806	2.2399	0.0168812	0.125138
Rif1_j5	0.0364511	0.0711019	0.963926	0.535733	1
Rif1_j9	0.0848406	0.136121	0.682064	0.565769	1
Rif1_j12	1.02581	1.05242	0.0369417	0.85133	0.952833
Rif1_j11	0	0.058419	1.79769e+308	0.0182802	1

XLOC_018073	0.0734723	0.0959427	0.384972	0.841314	1
XLOC_018077	0.0435256	0.212485	0	1	1
Galnt13_j8	0.0598501	0.055079	-0.11985	0.892801	1
Upp2_j3	0.152542	0.207326	0.442693	0.551404	0.815825
Upp2_j5	0.483372	0.297197	-0.701711	0.189371	0.5311
AK050909_j3	7.28E-05	0.213907	11.5217	0.95165	0.986029
Slc4a10_j6	0.0118085	0.092729	2.9732	0.176406	1
Scn2a1_j4	0.0628288	0.143996	1.19653	0.0153725	1
Scn2a1_j5	0.0771625	0 -1.79769e+308		5.04E-06	1
Gm13630_j3	0.0124611	0.0532551	0	1	1
Klhl23_j4	0	0.0614259 1.79769e+308		0.0381705	1
Ssb_j1	1.67332	1.81289	0	1	1
Ssb_j2	7.30884	8.25921	0	1	1
4933404M02Rik_j1	0.055307	0.236497	2.09629	0.115759	0.423327
Dync1i2_j1	10.9935	4.96409	0	1	1
Dync1i2_j9	50.2656	53.7169	0	1	1
Metap1d_j3	1.43974	1.37165	-0.0698909	0.856803	0.954683
Metap1d_j5	1.46783	1.15503	-0.345749	0.465925	0.765799
Rapgef4_j1	4.86227	3.72774	0	1	1
Cdca7_j4	0.0739493	0.111034	0.586394	0.620699	1
Scrn3_j2	0.825208	0.928887	0	1	1
Gm13705_j2	2.06E-05	0.187792	13.1572	0.995192	0.998726
Hoxd10_j2	1.83184	3.30575	0.851687	0.0006251	0.0098101
XLOC_018152	0.0873078	0.144524	0.727122	0.623731	1
Osbpl6_j2	0	0.0794176	0	1	1
Osbpl6_j3	4.16545	3.10246	0	1	1
Plekha3_j1	1.9368	1.67505	-0.209474	0.580524	0.831595
Plekha3_j2	9.94489	12.7377	0.357083	0.0185946	0.134058
XLOC_018163	0.292483	0.665503	1.18609	0.177051	0.516175
Ssfa2_j4	0	0.0669218	0	1	1
Ssfa2_j6	5.33027	5.1361	0	1	1
Dusp19_j1	0.0891521	0.115735	0	1	1
SKRP1	0.121501	0.22027	0	1	1
Zfp804a_j3	3.76138	2.18695	0	1	1
Itgav	1.36753	1.08955	0	1	1
Fam171b_j4	7.56446	11.9243	0	1	1
Slc43a3_j2	0.422899	0.546216	0.369158	0.471679	0.769131
Ssrp1_j1	3.78734	4.20366	0	1	1
Gm13715_j1	0.264159	0.278376	0.0756277	0.908667	0.97121
Fnbp4_j1	0.74154	0.721915	0	1	1
Fnbp4_j7	0.459308	0.880926	0	1	1
Agbl2_j3	0	0.10717 1.79769e+308		0.0961462	1
Arfgap2_j4	3.31856	3.25148	-0.0294619	0.831172	0.945525
Ambra1_j3	0.0527988	0.0645754	0	1	1
Phf21a_j6	0.24107	0.382582	0	1	1
Phf21a_j7	0.000752725	0.311732	0	1	1
Phf21a_j12	0.0783686	0.442112	0	1	1

Cd59a_j1	48.2069	60.3741	0	1	1
AK015665_j8	0.0484592	0.119071	1.29698	0.127929	1
Cstf3_j1	1.90324	2.12843	0	1	1
Cstf3_j4	0.573682	1.03045	0	1	1
Cstf3_j3	0.0603306	0.0784343	0	1	1
XLOC_018244	0.0438883	0.148532	1.75886	0.104989	1
Mpped2	4.26533	2.55929	0	1	1
Kif18a_j3	0.0793573	0.0846215	0.0926605	0.925343	1
XLOC_018273	0.0910385	0.0860956	0	1	1
Slc12a6_j2	0.29747	0.0827382	0	1	1
Eif2ak4_j1	0.651362	0.493182	0	1	1
Eif2ak4_j3	1.38127	0.95506	0	1	1
Disp2_j6	2.9964	2.87197	0	1	1
Bahd1_j3	0.27661	0.211589	-0.386586	0.519736	0.797285
Rad51	0.0574422	0.17755	1.62805	0.0877646	0.362622
Zfyve19_j3	2.46094	3.62994	0	1	1
1500003O03Rik_j2	3.33212	4.07097	0	1	1
1700020I14Rik_j2	29.8233	26.6561	-0.161976	0.10213	0.396046
XLOC_018316	0.106218	0.382016	1.8466	0.134565	0.456567
Mga_j9	0.0181369	0.0612747	1.75637	0.0515432	1
Mga_j12	1.2241	1.56543	0.354843	0.0494047	0.256438
Capn3_j5	0	0.0600623	1.79769e+308	0.107861	1
Capn3_j6	0.000940113	0.0949807	6.65866	0.701522	1
Snap23_j2	0	0.135155	0	1	1
Stard9_j2	0.12434	0.0921272	0	1	1
XLOC_018324	0.054908	0.109657	0	1	1
XLOC_018324	0	0.0542387	0	1	1
XLOC_018324	0.0729398	0.19275	0	1	1
Ctdspl2_j3	0.0573449	0.15735	1.45624	0.0315868	0.192231
Ctdspl2_j7	0.283679	0.111291	-1.34992	0.0243293	0.161277
Eif3j_j4	0.0476375	0.0314099	-0.600876	0.736084	1
Sord_j3	0.308649	0.227659	-0.43909	0.489149	0.779521
Gm14085_j1	0	0.151858	1.79769e+308	0.0480742	1
AA467197_j1	2.87E-05	0.859368	14.8685	0.990472	0.997044
XLOC_018349	0	0.218114	1.79769e+308	0.0063406	0.0611707
Slc12a1_j1	0	0.0470461	1.79769e+308	0.0978501	1
Dtwd1_j3	0	0.0973306	1.79769e+308	0.106209	1
Dtwd1_j5	0.0669707	0.190519	1.50833	0.252848	0.600908
Blvra_j2	1.55586	2.32279	0	1	1
Mrps5_j6	1.06397	1.90403	0.839603	0.131477	0.451384
Bcl2l11	0.505434	0.737887	0.545876	0.0454925	0.244195
Mertk_j3	0.0381796	0.193996	2.34515	0.0169508	0.125455
Tmem87b_j5	9.01537	8.78032	-0.0381133	0.7499	0.913026
Zc3h6_j5	0.000132278	0.09492	9.48699	0.643612	1
Zc3h6_j3	0.110429	0.173627	0.652873	0.169044	0.505791
AK042010_j2	0.0180478	0.0989818	2.45534	0.322616	1
Sirpa_j2	0.217097	0.14931	-0.540026	0.563155	0.822428

Nop56_j4	0	0.0834616	1.79769e+308	0.0010618	1
XLOC_018390	0.120572	0.186647		0 1	1
Ptpa_j2	16.7427	15.5936		0 1	1
ltpa_j5	0.0696411	0.0771507		0.14774 0.94594	1
XLOC_018395	0.0405565	0.392222		3.27367 0.122206	0.435235
Cdc25b_j1	0.164201	0.290137		0.821272 0.142782	0.469635
Cdc25b_j2	0.388563	0.422506		0.120821 0.78868	0.929506
Mavs_j5	0.18201	0.133333		-0.448991 0.546201	0.812921
Prnd_j1	7.75835	19.551		1.33342 0	0
Cds2_j2	0.733658	2.06216		0 1	1
Chgb_j4	4.14211	4.53994		0.132304 0.459658	0.761548
Mcm8_j3	0.0819348	0.218813		0 1	1
Plcb4_j7	3.50354	3.17856		0 1	1
2310003L22Rik_j5	14.8682	18.7049		0.33119 0.0577473	0.281811
Macro2_j9	4.27525	1.78393		-1.26095 0.0128104	0.102975
Macro2_j14	0.0858035	0.0805819		-0.0905811 0.910989	1
Pcsk2_j4	15.0129	20.6881		0 1	1
Csrp2bp_j1	0	0.394989	1.79769e+308	4.95E-05	0.0011845
LOC668917_j2	0	0.158447	1.79769e+308	0.0392271	0.221085
LOC668917_j5	0.546794	0.768415		0.490887 0.413451	0.732276
Sec23b_j3	1.17961	1.93796		0 1	1
Rin2_j4	0.0151825	0.179281		3.56174 0.0024473	0.0293373
Rin2_j8	5.517	5.57898		0.0161185 0.909989	0.971581
Naa20_j3	4.50467	5.08107		0.173709 0.231626	0.578702
RP23-125A1.2_j2	0.052745	0.146386		1.47267 0.0852803	1
4930529M08Rik_j4	0.034037	0.100248		1.5584 0.308692	1
4930529M08Rik_j6	0	0.319249	1.79769e+308	0.0409621	0.227417
Pygb_j1	64.1564	47.3551		-0.438073 2.58E-06	9.50E-05
Scrt2_j3	0.0977969	0.0682742		-0.518447 0.6376	1
Csnk2a1_j1	0.117235	0.160703		0.454997 0.603334	0.843376
Rem1_j2	0.062986	0.262115		2.0571 0.0496306	0.2572
Tpx2	0	0.0536992	1.79769e+308	0.0369415	1
Hck_j1	0	0.157504		0 1	1
Pofut1_j2	4.40283	4.44117		0.0125111 0.918331	0.974532
Gm14495_j4	0	0.0475862	1.79769e+308	0.13658	1
Gm14495_j3	0.00318047	0.0847062		4.73516 0.365743	1
XLOC_018486	0.0541932	0.257255		2.24702 0.118842	0.428914
Cbfa2t2_j1	0.779632	0.527448		-0.563766 0.406024	0.727612
Zfp341_j1	4.15E-05	0.0868253		11.0325 0.939363	1
Zfp341_j2	0.0230298	0.0995573		2.11202 0.080171	1
Raly_j3	1.49853	1.82098		0.281161 0.407181	0.727764
Raly_j7	6.14903	7.06434		0.200196 0.316439	0.660085
Dynlrb1_j1	39.8935	50.8423		0.349875 0.038643	0.218957
Acss2_j3	9.85036	13.0765		0 1	1
Myh7b_j6	0.0571786	0.112825		0 1	1
Myh7b_j8	0.185359	0.196034		0 1	1
Cep250_j1	0.175894	0.126846		0 1	1

Cep250_j9	0.554797	0.560453	0	1	1
Spag4_j5	0.106317	0.197856	0.896077	0.180548	0.520279
Phf20_j3	0.690751	0.402079	0	1	1
Phf20_j2	1.00055	0.889979	0	1	1
Epb4.1l1_j3	0.0207995	0.0653063	0	1	1
Epb4.1l1_j2	0.984254	1.21177	0	1	1
Tgif2_j1	0	0.235501	1.79769e+308	0.0427646	0.234064
Tgif2_j2	0.150472	0.186795	0.311962	0.815076	0.939756
Src_j8	5.60864	7.4989	0	1	1
Rprd1b_j3	0	0.170176	0	1	1
Snhg11_j7	2.45083	2.88576	0.235683	0.222344	0.569453
Snhg11_j6	0.763296	0.541695	-0.494763	0.110146	0.412969
Plcg1_j5	1.2829	2.26019	0.817034	1.20E-05	0.0003614
XLOC_018538	0.000214461	0.108347	8.98073	0.862927	1
XLOC_018538	0.0693755	0.115409	0.734254	0.515393	1
9430021M05Rik_j2	0.601894	0.71339	0.245182	0.609058	0.84604
L3mbtl_j10	1.21417	0.987844	-0.297618	0.234076	0.581478
L3mbtl_j14	0.116458	0.14438	0.310058	0.629994	1
L3mbtl_j17	3.19522	2.31057	-0.467664	0.0095363	0.0826638
L3mbtl_j18	1.63111	1.41807	-0.201927	0.45117	0.756435
XLOC_018552	0.0421518	0.0998512	1.24418	0.387704	1
XLOC_018552	0.0486483	0.0533394	0.132812	0.927562	1
Pabpc1l_j2	0.0443102	0.130572	1.55914	0.161339	1
Stk4_j4	1.10747	2.25864	0	1	1
Pigt_j2	0.0827841	0.12596	0.605537	0.635072	1
Eya2_j2	0	0.0816108	1.79769e+308	0.0528068	1
Ncoa3_j2	2.61846	2.78106	0	1	1
Arfgef2_j3	0.897243	0.549184	0	1	1
Ddx27_j1	1.95511	3.64375	0.898175	0.0090404	0.0794179
9230111E07Rik_j1	0.150393	0.201247	0.420235	0.439226	0.748796
AK027991	0.107865	0.160782	0.575886	0.471913	0.769247
Pard6b_j3	0.170562	0.46866	0	1	1
XLOC_018599	0.211872	0.15799	-0.423359	0.513757	0.793006
Tshz2_j6	1.47981	0.880576	0	1	1
Gm14273_j1	0.0768921	0.172331	1.16428	0.189793	0.53164
Gm14273_j3	0.219077	0.439773	1.00532	0.0811448	0.34681
OTTMUSG00000016609_j1	0.80206	0.998893	0.316619	0.642028	0.86192
BC086906_j1	2.41154	2.07735	-0.215211	0.128327	0.44647
Lsm14b_j3	0.841971	1.7215	1.03182	0.0100778	0.086004
Gtpbp5_j2	0.437401	0.398006	-0.136167	0.824201	0.943114
Gtpbp5_j3	0.215657	0.645985	1.58276	0.0156768	0.118446
Adrm1_j1	2.83246	3.15423	0.155229	0.374354	0.707086
Slco4a1_j4	0.0964976	0.139521	0.531916	0.606927	1
Slco4a1_j8	0.0192948	0.106671	2.46688	0.158166	1
1600027N09Rik_j2	0	0.158995	0	1	1
Col20a1_j4	8.713	8.72357	0.00174832	0.988388	0.996486
Col20a1_j6	2.03485	2.23433	0.134919	0.534618	0.805772

Pdpf_j6	2.51669	3.50576	0	1	1
Zgpat_j5	0.295743	0.599833	0	1	1
Tpd52l2_j4	12.4232	14.9547	0	1	1
Oprl1_j2	0.76132	0.371082	0	1	1
Myt1_j5	0	0.125761 1.79769e+308		0.0014165	1
Myt1_j11	0.340607	0.311642	-0.128218	0.759762	0.917259
Myt1_j15	1.05584	1.59644	0.596466	0.0043629	0.0458187
Pcmt2_j1	2.17018	1.98488	-0.128767	0.437004	0.747347
Suv39h2	0.255874	0.255262	0	1	1
Prpf18_j2	4.06731	4.27183	0	1	1
Mcm10_j1	0	0.150264 1.79769e+308		0.0496379	1
Camk1d_j5	0	0.145595	0	1	1
Camk1d_j6	0	0.0923689	0	1	1
Dhtkd1_j7	0.0708577	0.102817	0.537085	0.540502	1
Dhtkd1_j8	0	0.0493161 1.79769e+308		0.0441725	1
Dhtkd1_j10	0.144964	0.141218	-0.0377693	0.946318	0.98402
Echdc3	0.118599	0.252635	1.09097	0.127978	0.445765
Celf2_j10	0.21216	0.267009	0	1	1
XLOC_018693	0.105398	0.229384	1.12192	0.309666	0.654275
Fbxo18_j3	0	0.36011	0	1	1
Rsu1_j1	3.04313	9.33874	0	1	1
Cubn_j7	0.112594	0.351245	1.64135	0.0273681	0.174855
Trdmt1_j3	0.346675	0.138983	-1.31867	0.145893	0.473936
Ptpla_j11	0.344652	0.132527	-1.37886	0.173483	0.511284
Ptpla_j12	0.435965	0.544728	0.321324	0.579808	0.83118
Nsun6_j4	0.938066	1.09681	0.225554	0.457304	0.760373
Nabl_j3	0	0.471742 1.79769e+308		6.76E-09	4.89E-07
Pip4k2a_j4	0	1.62041	0	1	1
Arhgap21_j5	2.62583	4.11268	0	1	1
Spopl	0.78943	1.04178	0	1	1
Spopl_j4	0.00820454	0.66049	0	1	1
Cacna1b_j16	1.13222	1.35953	0.263957	1	1
Cacna1b_j15	0.179694	0.497719	0	1	1
Ehmt1_j8	0	0.158811 1.79769e+308		0.0005277	0.0085261
Arrdc1_j1	1.83043	2.50919	0	1	1
Cobra1_j1	6.11547	8.57825	0.488219	0.0244056	0.161584
Tubb2c_j1	97.1576	121.598	0	1	1
Ndor1_j12	0.275153	0.575581	0	1	1
Ndor1_j13	0.957813	1.10385	0	1	1
Dpp7_j4	6.04184	5.7692	0	1	1
BC029214_j4	3.11662	3.52926	0.179384	0.485507	0.777082
Mamdc4_j5	0.0525521	0.0694353	0.401921	0.697962	1
Gm996	1.02056	1.38378	0.439249	0.0506168	0.26051
Camsap1_j8	2.48962	1.9043	0	1	1
Nacc2	2.13799	1.1039	0	1	1
Nacc2_j6	0.504927	0.324453	0	1	1
Qsox2_j1	0.386187	0.699522	0.857069	0.0712959	0.321059

Card9_j3	0.0332659	0.207881	0	1	1
Snapc4_j2	1.84591	2.28668	0	1	1
Snapc4_j3	0.947457	0.92423	0	1	1
Snapc4	1.05122	0.946595	0	1	1
Inpp5e_j5	3.64162	3.30413	0	1	1
Sec16a_j3	0.0637045	0.0550266	0	1	1
Sec16a_j4	2.94819	3.3976	0	1	1
Sec16a_j5	2.76968	3.16708	0	1	1
Notch1_j1	0.0527011	0.20958	1.99159	7.51E-05	0.0016803
Agpat2_j2	0.637112	1.70682	1.42169	0.000255	0.0046922
Surf1_j3	12.5935	15.049	0.256987	0.0063989	0.0615382
Gm13399_j3	0	0.0875625	1.79769e+308	0.124913	1
VAV2_j7	0.129839	0.753369	0	1	1
VAV2_j9	2.78504	2.88503	0	1	1
Gm13373_j6	0.200274	0.152667	-0.391582	0.725207	0.902439
Ccbl1_j4	0	0.29501	1.79769e+308	0.0063814	0.0614449
Sh3glb2_j3	7.30912	6.74711	0	1	1
1700001O22Rik_j4	0.0579671	0.158848	1.45434	0.270398	0.61953
Fnbp1	6.75518	5.73459	0	1	1
Dnm1_j8	19.9961	19.3461	0	1	1
Dnm1_j10	21.7275	15.9597	0	1	1
Dnm1_j9	81.9093	67.3751	0	1	1
Cdk9_j5	0	0.0961565	1.79769e+308	0.0735322	1
Lrsam1_j1	3.76266	16.8171	0	1	1
Slc2a8_j7	0.566402	0.54953	0	1	1
Slc2a8_j6	1.53909	1.43337	0	1	1
Slc2a8_j5	0.873545	1.49038	0	1	1
AK048710_j1	0	0.109891	1.79769e+308	0.0478861	1
Gapvd1_j10	0	0.150914	0	1	1
Hc_j3	0.0283512	0.0690204	1.28362	0.342992	1
Rab14_j2	6.19182	9.12171	0	1	1
Stom_j1	6.53459	9.84812	0	1	1
Ggta1_j4	0.70294	0.238113	0	1	1
Rbm18	1.03515	1.11131	0	1	1
Rc3h2_j1	0.457445	0.456745	-0.00220839	0.993264	0.997985
Strbp_j3	0.566153	0.339185	0	1	1
Dennd1a_j1	0.437447	1.06168	0	1	1
Nr6a1_j1	0.142131	0.284564	1.00153	0.0479244	0.25165
Nr6a1	0.211194	0.238355	0.174545	0.670836	0.8755
Scai_j3	0.0271064	0.0600742	0	1	1
Lrp1b_j1	0	0.0670626	1.79769e+308	0.0938411	1
Lrp1b_j2	0.319965	0.251728	-0.34605	0.392979	0.718965
Lrp1b_j8	0.0618715	0.0816259	0.399752	0.75558	1
Mmadhc_j3	1.65622	3.66015	0	1	1
Mmadhc_j4	0.583703	0.560743	0	1	1
Nmi_j5	0	0.0825707	0	1	1
Nmi	0.367554	1.01233	0	1	1

Cacnb4_j1	5.71729	4.09965	0	1	1
Nr4a2	0.236339	0.528667	1.16151	0.0053683	0.0535281
Ccdc148_j4	0.317952	0.28033	-0.181683	0.764211	0.919079
Baz2b_j12	0.112191	0.198926	0.826275	0.0564399	0.278029
Ly75_j1	1.12651	0.640497	-0.814593	0.0078297	0.0714618
Ly75_j2	0.113775	0.514294	2.17642	1.94E-05	0.0005401
Pla2r1_j3	0.00373259	0.0659303	4.14269	0.0402172	1
Rbms1_j9	0.246593	0.0802335	0	1	1
Gm13582_j1	0.0607496	0.146451	1.26947	0.216479	1
Ifih1_j1	0.350376	0.528589	0.593241	0.0335074	0.200047
Kcnh7_j3	0.401366	0.277964	0	1	1
Cobl1_j9	0	0.0724016	0	1	1
Cobl1_j10	0	0.145837	0	1	1
Scn7a_j2	53.7658	54.2212	0	1	1
Stk39_j2	0	0.464897	0	1	1
AK086439_j3	0.0578653	0.16748	1.53322	0.191495	0.533648
Sp3_j3	1.26531	0.550357	-1.20105	0.0039846	0.042749
Ola1_j1	0.143292	0.111682	-0.359565	0.750849	0.913583
Wipf1_j2	5.02882	4.99276	0	1	1
Chn1_j3	51.785	49.1198	0	1	1
Lnp_j1	0.361705	0.378782	0	1	1
Fkbp7_j3	0.539475	0.815195	0.595589	0.262432	0.611546
Ccdc141_j4	0.841674	2.28919	0	1	1
Ccdc141_j5	9.21E-05	0.375011	0	1	1
Sestd1_j4	0.208293	0.309588	0	1	1
Zfp385b_j1	1.67553	2.10088	0	1	1
Cwc22_j2	0.0610768	0.10067	0.720944	0.570973	1
Cerkl_j4	0.208033	0.168147	-0.307092	0.716136	0.897523
XLOC_018962	0.0592545	0.0807352	0.446272	0.707471	1
Nckap1_j5	42.3823	54.2609	0	1	1
Tfpi_j6	0	0.0803716	1.79769e+308	0.127304	1
Tmx2_j2	0.975423	1.02269	0	1	1
Tmx2_j1	3.73047	3.68902	0	1	1
Clp1	0.300885	0.60907	1.0174	0.134412	0.456305
Serping1_j2	0.0320379	0.270014	0	1	1
P2rx3_j3	14.2483	15.314	0	1	1
P2rx3_j4	0.394506	1.13368	0	1	1
P2rx3_j5	0.100102	0.773003	0	1	1
Madd_j8	0.255233	0.414624	0	1	1
Madd_j12	2.43379	2.08436	0	1	1
1110051M20Rik_j2	0.695291	1.83922	1.4034	0.0003047	0.0054133
1110051M20Rik_j1	0.93607	0.847923	-0.142683	0.750439	0.913404
Creb3l1_j4	1.06903	1.43162	0.421343	0.309205	0.653897
Mapk8ip1_j7	5.25456	10.8755	0	1	1
Tspan18_j1	0.0874009	0.24206	0	1	1
Ext2_j1	0.751348	3.63118	0	1	1
Accsl_j2	0.0478182	0.239143	2.32224	0.0203259	0.14243

Alkbh3_j1	0.0382849	0.0501511	0.389508	0.770332	1
XLOC_019031	0.129444	0.234207	0.85546	0.428605	0.742464
Trim44_j3	15.4862	16.5086	0	1	1
Cat_j3	7.11383	12.5254	0	1	1
Nat10_j3	0.523607	0.456603	0	1	1
Caprin1_j7	1.03618	2.66974	0	1	1
D430041D05Rik_j2	0.000560933	0.45672	9.66927	0.071043	0.320458
Depdc7_j1	0.175036	0.444801	1.34551	0.0646296	0.302211
Depdc7_j2	0.0154087	0.272627	4.14511	0.106461	0.405199
Elp4_j2	0	0.148432	1.79769e+308	0.0677888	1
AK084494_j1	0	0.138618	1.79769e+308	0.101748	1
Mett5d1_j3	0	0.622924	1.79769e+308	1.63E-05	0.0004693
Ryr3_j7	0.535547	0.497399	-0.106609	0.703665	0.891515
Ryr3_j11	0	0.0484203	1.79769e+308	0.125349	1
Meis2_j5	0	0.671095	0	1	1
Srp14_j1	39.523	38.313	0	1	1
Bmf_j4	0.238379	0.592326	1.31313	0.0002793	0.0050423
Plcb2_j1	0.0325786	0.0577867	0.826814	0.564376	1
Fam82a2_j1	0.628839	0.783239	0.316762	0.527737	0.801757
Ino80_j2	0.213459	0.48629	0	1	1
Exd1_j5	0.0204814	0.106435	2.37758	0.160711	1
Rpap1_j3	0	0.165776	0	1	1
Rpap1_j4	0.180111	0.13533	0	1	1
Spnb5_j8	0.111117	0.148405	0.41747	0.451462	1
Spnb5_j10	0.106607	0.11361	0.0917852	0.854938	1
Spnb5_j9	0	0.0847451	1.79769e+308	0.0010189	1
Spnb5_j4	0.0503119	0.178112	1.82381	0.0651502	0.303974
Spnb5_j2	0.11159	0.190554	0.771987	0.390233	0.717194
Pla2g4e_j6	0.0636228	0.109234	0.779801	0.448197	1
Pla2g4e_j7	0.112525	0.027233	-2.04682	0.140466	1
Tmem87a_j1	7.48429	6.37288	0	1	1
Ubr1_j2	0.261574	0.865229	0	1	1
Trp53bp1_j3	2.1945	2.23132	0	1	1
Trp53bp1_j4	0.52305	0.764339	0	1	1
Ppip5k1_j4	0.11178	0.0844096	0	1	1
Mfap1a_j1	2.01631	2.3045	0.192733	0.385106	0.713848
Mfap1a_j4	0.12611	0.219061	0.796643	0.133289	0.454257
Frmf5_j1	0.301144	0.514749	0	1	1
Spg11_j3	2.76492	2.3436	-0.238513	0.287831	0.635813
Spg11_j4	3.54415	4.57195	0.367371	0.0196585	0.139199
Duoxa1_j5	0.159458	0.292571	0.875611	0.488027	0.778578
Shf_j3	7.35572	8.63049	0.230576	0.285641	0.634449
Slc30a4	0.213553	0.229201	0.102017	0.827904	0.944579
Myef2_j1	1.96431	1.73974	-0.175151	0.235592	0.582812
Fbn1_j8	0.0571588	0.0338478	-0.755913	0.61255	1
Fbn1_j7	0	0.0811289	1.79769e+308	0.0352102	1
4930525F21Rik_j1	0.75883	0.651287	0	1	1

Hdc_j2	0	0.323586	1.79769e+308	0.0001465	0.002953
Gabpb1_j5	0.0546817	0.138621		0	1
Gabpb1_j6	0.0266208	0.546226		0	1
2010106G01Rik_j1	0	0.139395		0	1
Itpripl1	0.0963576	0.117057	0.280736	0.728112	1
Zfp661	0.323883	0.711037	1.13445	0.0009523	0.013746
Mall_j1	0.000286118	0.119352	8.70439	0.880736	1
Gm14012_j1	0	0.0521734	1.79769e+308	0.111114	1
Gm14005_j2	0	0.269322	1.79769e+308	0.0438328	0.238299
Anapc1_j1	0.100868	0.125062	0.310175	0.590246	1
Anapc1_j4	0	0.126021	1.79769e+308	4.11E-05	1
Gm14029_j1	0.262333	0.352315	0.42547	0.621929	0.852009
Slc4a11	4.04783	4.09905	0	1	1
4930402H24Rik_j1	1.67162	1.95654	0	1	1
A730017L22Rik_j4	0.225662	0.26883	0.252527	0.637964	0.859883
Gfra4_j5	11.5269	9.79164	-0.235381	0.197594	0.540596
Adam33_j15	0.0348211	0.102275	1.55442	0.160105	1
Slc23a2_j1	7.698	8.75643	0	1	1
Pcna_j6	0.163943	0.26305	0.682145	0.225392	0.572498
Gpcpd1_j5	0.280474	0.137733	0	1	1
Pak7_j2	0.0220152	0.362285	4.04055	0.0022401	0.0272481
Pak7_j6	0	0.0482037	1.79769e+308	0.122151	1
Mkks	1.6419	2.44293	0	1	1
Mkks	1.70336	1.21671	0	1	1
Jag1_j1	0.0359595	0.0816056	0	1	1
Tasp1_j3	0.130906	0.55663	0	1	1
Flrt3_j1	0	0.909847	1.79769e+308	1.37E-09	1.13E-07
Kif16b_j2	3.78257	3.34956	-0.175394	0.405793	0.727432
Kif16b_j3	0.446175	0.653303	0.550143	0.107702	0.407901
Rrbp1_j2	0.936661	0.932784	0	1	1
6330439K17Rik_j9	0.0243716	0.0933275	0	1	1
6330439K17Rik_j8	0	0.296141	0	1	1
XLOC_019220	0	0.112029	1.79769e+308	0.047286	1
Zfp120_j1	0	0.204642	0	1	1
Acss1_j2	0.389466	0.471245	0.27498	0.535795	0.80631
Abhd12_j1	97.4652	82.3948	-0.242334	0.0051282	0.0516948
Ninl_j8	0.0879485	0.139027	0.66063	0.385168	1
Snph	0	0.102021	0	1	1
Bcl2l1_j1	0	2.77539	0	1	1
Plagl2_j2	0	0.0568753	1.79769e+308	0.0215436	1
8430427H17Rik_j1	0.0449206	0.0744402	0	1	1
Snta1_j1	2.51305	3.4237	0.446119	0.122176	0.435216
Eif2s2_j3	0	0.0645096	1.79769e+308	0.114472	1
Eif2s2_j5	0.0990654	0.0822658	-0.26809	0.837133	1
Eif2s2_j6	1.57456	1.25569	-0.326466	0.506029	0.788576
Ahcy_j2	0	0.611912	1.79769e+308	0.0002764	0.004999
Ahcy_j5	0.182072	0.251067	0.463565	0.349179	0.687028

Ncoa6_j2	4.93448	6.56971	0.412932	0.0725802	0.32416
Trpc4ap_j1	21.1394	24.5614	0	1	1
Edem2_j2	0.320243	0.316731	-0.0159107	0.985795	0.995741
Uqcc_j3	0.341534	0.416969	0	1	1
6430550D23Rik_j3	0.187465	0.19013	0.0203633	0.98063	0.994152
Rbm39_j4	19.377	19.2375	0	1	1
AK015092_j1	0.326624	0.257525	-0.342921	0.535249	0.806124
AK015092	0.0616065	0.0479548	-0.361407	0.855341	1
Rbl1_j5	0	0.0940585	1.79769e+308	0.0396159	1
Rbl1_j7	0.0920782	0.186619	1.01916	0.345171	0.684606
Bicap_j1	18.8346	27.416	0	1	1
9430008C03Rik_j9	0.241358	0.296193	0.29536	0.732948	0.90578
Chd6_j3	6.6679	5.5355	0	1	1
Ptprt_j1	0.0996343	0	0	1	1
Ada_j5	0.547698	0.97457	0.831386	0.0571432	0.280101
Tomm34_j1	0.342146	1.19288	0	1	1
Matn4_j2	4.42631	5.4546	0.301367	0.125705	0.441571
Cdh22_j3	0	0.059092	1.79769e+308	0.0410055	1
Zfp663_j3	0.445254	0.312766	-0.509543	0.226619	0.573689
Slc13a3_j2	0.108551	0.11759	0.115396	0.887936	1
Zmynd8_j8	0.561318	1.01118	0	1	1
Zmynd8_j6	0.0698728	0.237713	0	1	1
Zmynd8_j7	0.616627	1.2765	0	1	1
Zmynd8_j9	0.655048	0.367604	0	1	1
Gm14267_j3	0	0.0500985	1.79769e+308	0.121263	1
Gm14267_j6	0.126415	0.109608	-0.205805	0.809251	1
Ptgis_j3	0.265402	0.231288	-0.198489	0.685679	0.882783
Fam65c_j3	0.0531844	0.187708	1.81941	0.0190781	0.136374
Dpm1	20.2951	19.2918	0	1	1
Nfatc2_j1	0.0420494	0.103987	1.30625	0.09031	1
Atp9a_j8	10.4366	10.458	0	1	1
Zfp64_j1	0.984972	0.920133	-0.0982397	0.6982	0.888784
Zfp64_j1	1.70751	2.06753	0.276009	0.320225	0.663587
Cyp24a1	0.0850077	1.02949	3.59819	0	0
Zbp1_j3	0	0.0572408	1.79769e+308	0.138717	1
Ppp4r1l-ps_j11	0.510336	0.8803	0	1	1
Ppp4r1l-ps_j12	0.989746	1.14901	0	1	1
Ctsz_j1	17.1205	21.509	0.329219	0.0338113	0.20127
AK166773_j1	0.383945	0.508229	0.404578	0.571245	0.826767
Gm14326_j3	2.32044	2.06914	-0.165362	0.779055	0.925601
Gm14326_j4	2.80277	2.99439	0.0954062	0.861687	0.956305
Sycp2_j2	9.01E-06	0.108971	13.5627	0.993429	1
Lama5_j2	0.0589456	0.177158	1.58758	0.0025601	0.0304195
Cables2_j13	0	0.0670041	0	1	1
AK045814_j2	0	0.199403	1.79769e+308	0.0149213	0.114486
Dido1_j2	0.742743	0.555961	0	1	1
Eef1a2_j1	8.01752	5.95596	0	1	1

Srms_j2	0.0635613	0.0418952	-0.601362	0.755736	1
BC006779_j12	0.0811101	0.155293	0.937042	0.0690296	1
Stmn3_j4	316.408	321.476	0	1	1
Zbtb46_j6	0	0.378145	1.79769e+308	0.0001749	0.0034389
Znf512b_j2	0.466164	0.235949	0	1	1
Zfhx4_j1	0.129786	0.0721114	-0.847838	0.365157	1
Pkia	10.4937	11.5753	0	1	1
Pkia_j1	18.2197	14.8001	0	1	1
Fam164a	26.0159	23.4699	-0.148584	0.180322	0.519982
Stmn2	770.372	1138.54	0.563552	3.78E-07	1.74E-05
Zbtb10	2.06025	2.12381	0.043832	0.763338	0.918505
XLOC_020752	0.0766304	0.111153	0.536552	0.520787	1
Fabp5	5.66112	7.08205	0	1	1
Fabp5_j1	7.29774	14.0698	0	1	1
Raly1_j8	26.1848	23.8772	-0.133099	1	1
Lrrcc1	2.63609	2.23985	-0.234999	0.096119	0.38285
Lrrcc1	0.865242	0.857836	-0.0124021	0.964586	0.989999
E2f5	1.93545	2.04895	0	1	1
Car13_j1	0.35496	7.72E-05	0	1	1
Car13	2.17878	1.97858	0	1	1
Car13_j2	0.839894	1.54547	0	1	1
Car3	1.44173	9.40874	2.70621	0	0
Car2_j1	0.546641	0.558859	0.0318903	0.963673	0.989789
Car2	36.9901	26.1554	-0.500031	6.77E-07	2.96E-05
Ythdf3	7.72004	7.8941	0.0321663	0.807202	0.936458
Ythdf3	1.73062	1.4657	-0.239696	0.374085	0.706953
Ythdf3	2.18496	1.1348	-0.945169	0.0009586	0.0138288
2610100L16Rik_j1	0.308676	0.068685	-2.16803	0.0586773	0.284705
2610100L16Rik_j4	0.128765	0	-1.79769e+308	0.0506928	1
2610100L16Rik_j5	0.132926	0.0845425	-0.652873	0.619283	1
Mtfr1	1.26655	0.727229	0	1	1
Mtfr1	3.01314	2.86071	0	1	1
Mtfr1_j1	1.4865	1.5974	0	1	1
Dnajc5b	0.120339	0.0632447	-0.928084	0.469977	1
Dnajc5b_j1	0.203677	0.233164	0.195064	0.803234	0.934684
Dnajc5b	0.256151	0.251542	-0.0261954	0.967462	0.990788
Cp_j1	2.75425	3.64837	0	1	1
XLOC_020778	0.141442	0.0459719	-1.62139	0.174886	0.513197
XLOC_020778	0.0763893	0	-1.79769e+308	0.00701	1
Tbl1xr1_j4	1.20594	2.20398	0	1	1
Nceh1	17.0814	19.2518	0.172566	0.0550762	0.27383
Tnfsf10_j1	0.133506	0.0420618	-1.66632	0.071025	1
Tnfsf10	0.225692	0.197151	-0.195053	0.614492	0.847708
Tnfsf10_j4	0.148503	1.98E-05	-12.872	0.95986	0.988566
Pld1	0.431567	0.591082	0.453774	0.130694	0.450129
Pld1_j3	0.134218	0.0708073	-0.922607	0.203991	1
Pld1	0.0778992	0.0738164	-0.0776675	0.92038	1

Pld1_j7	0.146249	0.442901	1.59856	0.002562	0.0304205
Tnik	1.09843	1.47843	0	1	1
Eif5a2_j1	6.01334	5.59271	0	1	1
Eif5a2	38.3672	25.2875	0	1	1
Rpl22l1_j4	1.27653	0.000133964	-13.2181	0.953693	0.98654
Rpl22l1_j7	1.70668	1.65729	-0.0423622	0.923914	0.976306
XLOC_020790	0.233926	0.113598	-1.04211	0.049435	0.256513
XLOC_020790	0.295069	0.13781	-1.09838	0.0261492	0.169726
Egfem1_j1	0.239196	0.0393896	-2.60231	0.0424481	0.232829
Egfem1_j3	0.373322	0.544896	0.54556	0.14475	0.472185
Egfem1_j8	0.0700848	0.0333298	-1.07229	0.463078	1
Egfem1_j7	0.220061	0.164793	-0.417249	0.570486	0.82635
Egfem1_j15	1.10318	0.649174	-0.764991	0.0213829	0.147441
Mynn	1.39045	1.34679	-0.0460244	0.797655	0.932743
Sec62	40.1186	40.3402	0.00794672	0.929631	0.978386
Gpr160_j5	0.565316	0.644678	0.18952	0.63804	0.859938
Gpr160_j7	0.452362	0.42775	-0.0807118	0.864613	0.956931
Prkci	2.5758	1.94333	0	1	1
Prkci_j3	1.79876	1.29591	0	1	1
Skil	0.772699	0.454732	-0.764891	0.0056173	0.0555114
Cldn11	0.997798	1.51742	0.604797	0.0096457	0.0834561
AK162138_j1	0.133095	0.081841	0	1	1
AK162138_j3	0.0526154	0	0	1	1
AK162138_j4	0.254923	0.240834	0	1	1
Kcnmb2	0.54135	0.527885	-0.0363384	0.921278	0.975363
Kcnmb2_j2	1.04574	1.30804	0.322885	0.219456	0.566015
Kcnmb2_j3	0.201788	0 -1.79769e+308	0.0003063	0.0003063	0.0054388
Pik3ca_j1	10.3191	9.82822	-0.0703158	0.466994	0.766531
Zfp639	0.351136	0.378494	0	1	1
Zfp639_j1	0.0594534	0.104588	0	1	1
Mfn1_j2	0.131601	0.0949728	0	1	1
Mfn1_j4	0.165925	0.159772	0	1	1
Actl6a	4.18015	4.2015	0	1	1
Ndufb5	13.7418	11.6813	0	1	1
Usp13	1.28479	0.941891	0	1	1
Usp13_j4	1.54855	2.64698	0	1	1
Ttc14	3.80749	3.68892	-0.0456429	0.675956	0.878059
Fxr1	6.41138	3.1996	0	1	1
Fxr1	25.6116	23.7355	0	1	1
Sox2ot	0.146998	0.00204518	-6.16742	0.154864	0.488084
Sox2	7.35779	6.97187	-0.0777279	0.535812	0.80631
Atp11b_j6	2.49835	2.51004	0.00673259	0.965572	0.990085
Atp11b_j5	2.05551	1.19744	-0.779549	7.54E-05	0.0016839
Atp11b	2.66169	3.80453	0.515373	0.0007682	0.0115852
Gm15952_j1	0.360452	0.138211	-1.38294	0.155871	0.489175
Acad9	3.13041	3.08214	-0.0224205	0.841443	0.949916
D3Erttd254e	1.26144	1.15096	0	1	1

Exosc9	17.321	19.3017	0.156203	0.153528	0.486123
4932438A13Rik_j4	0.227391	0.291104	0.356358	0.169843	0.506815
4932438A13Rik_j10	0.114129	0 -1.79769e+308		4.84E-06	1
4932438A13Rik_j12	5.25595	4.67848	-0.167909	0.200901	0.544315
Gm12582	1.91015	2.36748	0.309662	0.253157	0.601203
Bbs12	0	0.613111 1.79769e+308		1.55E-07	7.91E-06
Bbs12_j1	0.214907	0.18727	-0.198594	0.759611	0.91718
Fgf2	0.313728	0.441865	0.494089	0.113111	0.418638
Spata5	0.488096	0.525634	0.106893	0.66181	0.871768
Spata5_j5	0.632406	0.427338	-0.565474	0.393951	0.719791
Intu_j4	0.165639	0.16346	-0.0191058	0.973979	0.992504
Hspa4l	10.2235	4.43188	0	1	1
3110057O12Rik	0.460311	0.312825	0	1	1
3110057O12Rik_j2	0.190636	0.0184722	-3.36739	0.0144236	0.111847
Larp1b	5.99065	6.052	0.0146992	0.902509	0.968921
Larp1b_j1	0.0982625	0.064995	-0.596312	0.59726	1
Larp1b_j4	0.185573	0.271104	0.546863	0.646371	0.863665
Phf17_j1	1.22776	1.00762	0	1	1
Phf17	0.0485776	0	0	1	1
D3Ert751e	2.4729	1.1324	0	1	1
D3Ert751e	0.149353	0.0454356	0	1	1
Pcdh10	5.38969	4.19349	0	1	1
Pcdh10	3.08178	2.69513	0	1	1
Pcdh10	0.919405	0.730265	0	1	1
XLOC_020839	0.249035	0.173056	0	1	1
Ccrn4l	7.03853	7.45289	0.0825255	0.481713	0.775249
Naa15	2.23164	2.17035	0	1	1
Naa15_j4	3.51841	3.25142	0	1	1
Rab33b	2.04823	1.48928	0	1	1
Mgst2_j1	0.266585	0.205052	-0.378603	0.724721	0.902067
Foxo1	3.25311	3.31563	0.0274624	0.826758	0.944222
Lhfp	8.98216	8.36445	0	1	1
Lhfp_j1	4.14242	3.46149	0	1	1
2810046L04Rik	4.71924	4.76635	0.0143281	0.909297	0.971287
Trpc4_j4	0.152113	0.116525	-0.384507	0.480033	0.77397
Trpc4	0.108017	0 -1.79769e+308		3.32E-05	1
Postn	0.118735	0.436482	1.87817	0.0024959	0.0298018
Postn_j1	8.0293	7.09494	-0.178482	0.144838	0.472377
Alg5	11.4687	12.4295	0.116074	0.350942	0.688199
Smad9	3.9268	2.22375	-0.820361	3.01E-12	3.98E-10
Spg20	8.80719	8.78027	0	1	1
Spg20_j1	3.64421	3.26189	0	1	1
Dclk1	6.40197	7.21295	0	1	1
Dclk1_j1	4.54189	2.94964	0	1	1
Dclk1	0.176786	0	0	1	1
Rnf13	42.6264	36.0842	-0.240381	0.0175688	0.128641
Tsc22d2	1.49879	1.63987	0	1	1

Tsc22d2	2.05994	1.89308	0	1	1
Eif2a_j1	15.2164	12.0849	0	1	1
2810407C02Rik	7.81749	7.0053	0	1	1
2810407C02Rik_j1	13.3985	12.7947	0	1	1
2810407C02Rik_j3	0.547802	0	0	1	1
AK016388_j1	0.106616	0.0370126	-1.52634	0.266933	1
Med12l_j1	0.128059	0	-1.79769e+308	3.57E-08	1
Arhgef26	1.72096	1.73831	0.0144702	0.922505	0.975867
Mme_j1	0.414378	0	0	1	1
Mme	0.391838	0	0	1	1
Mme	0.22747	0.380419	0	1	1
Gmps	6.64895	5.9743	-0.154357	0.129651	0.448547
Kcnab1	0.365492	0.387943	0.0860058	0.75674	0.916138
Kcnab1_j3	6.14576	3.92384	-0.647328	0.0262556	0.170111
Tiparp	0.710473	0.74451	0.0675111	0.805639	0.935739
Lekr1	0.515207	0.297154	-0.793944	0.0795688	0.342609
Lekr1_j6	0.150107	0	-1.79769e+308	0.0139351	0.109101
Lekr1_j7	0.318517	0.337216	0.0823029	0.779126	0.925601
Ptx3_j3	0.068075	0.0569524	-0.25737	0.836418	1
Rsrc1	11.4323	9.63152	-0.24728	0.0233834	0.156776
Mlf1	2.31339	2.45561	0.0860681	0.717315	0.89803
Gfm1	7.94513	6.6021	-0.267147	0.0049955	0.050703
Mfsd1	17.2552	18.1572	0.0735101	0.455411	0.75921
lqcj-schip1_j2	0.283021	0.354616	0.325347	0.701243	0.890261
lqcj	0.319545	0.118453	-1.4317	0.160513	0.495117
Schip1	38.7253	50.0506	0.370111	8.13E-05	0.0017976
Smc4_j1	0.626274	0.0544219	0	1	1
Ppm1l_j1	10.0281	4.99374	0	1	1
Ppm1l	3.56925	3.0968	0	1	1
Nmd3	12.2607	12.559	0.0346856	0.772746	0.922935
Serpini1	8.8863	7.25654	-0.292301	0.0176881	0.129321
XLOC_020896	0.223578	0.158	-0.500852	0.460359	0.761959
Fstl5	3.65417	1.73444	0	1	1
4930579G24Rik	0.726732	0.508991	-0.513783	0.133724	0.455139
Fam198b_j1	2.48378	2.17116	0	1	1
Pdgfc	0.894051	0.942996	0.0768941	0.762159	0.918113
Pdgfc_j1	0.95231	1.11654	0.229529	0.449617	0.755705
Ctso	5.36162	4.80691	-0.157561	0.280066	0.62888
Mtap9	3.58173	3.17421	0	1	1
Fgg_j1	0.554114	0.793506	0.518057	0.316921	0.660306
Fgg_j2	0.709485	0.579341	-0.292361	0.615883	0.848594
Plrg1	17.8776	17.5741	-0.0246988	0.822389	0.942695
Tmem154	0.507233	0.802631	0.662088	0.0132324	0.105325
Fbxw7_j1	5.81219	1.31373	0	1	1
Fbxw7	12.3513	9.14559	0	1	1
Pet112l	1.68128	1.89325	0.171307	0.222207	0.569397
Sh3d19_j1	1.91343	1.77164	0	1	1

AK080030	0.211723	0.2523	0.252962	0.566379	0.824486
Lrba_j1	0.420176	0.415532	-0.0160352	0.972317	0.991962
Etv3	2.75538	1.83014	0	1	1
Etv3	1.63925	1.34205	0	1	1
XLOC_020921	0.0943025	0.121323	0.363482	0.768747	1
Arhgef11_j5	21.6108	16.0811	0	1	1
Arhgef11_j2	0.293262	0.0932847	0	1	1
Insrr_j1	0.428592	0.333338	-0.36262	0.267975	0.616595
Insrr_j7	0.455106	0.54041	0.247852	0.638355	0.860038
Hdgf_j3	0.845152	0.645491	0	1	1
Isg20l2	1.7979	1.53038	-0.232425	0.312929	0.657313
Crabp2	1.14199	1.44168	0.336205	0.232695	0.579823
Nes	1.78429	1.88769	0	1	1
Gpatch4	1.49757	1.57241	0	1	1
Iqgap3_j2	0.393811	0.455458	0.209813	0.53427	0.805503
Mef2d_j7	0.452535	0.0716782	0	1	1
Cct3	96.4766	100.98	0.0658181	0.443701	0.751594
0610031J06Rik	10.9709	11.1445	0	1	1
Smg5	2.33431	2.24106	0	1	1
Paqr6_j2	1.01842	1.78462	0	1	1
Paqr6_j1	1.15908	0.674409	0	1	1
Paqr6_j5	0.489396	0.371174	0	1	1
Mex3a	0.103787	0.121376	0.225856	0.754434	1
Ubqln4	12.7559	11.7773	0	1	1
Ssr2	41.7287	42.6343	0.0309759	0.762961	0.918329
Arhgef2_j2	0.996822	1.15972	0	1	1
Arhgef2_j3	0.584758	0.714611	0	1	1
Arhgef2_j4	0.171131	0.37301	0	1	1
2810403A07Rik_j5	0.15941	0.0788989	0	1	1
2810403A07Rik_j2	2.85662	2.86464	0	1	1
2810403A07Rik_j1	0.491726	1.76712	0	1	1
Rit1	22.3364	26.5013	0	1	1
Ash1l_j2	1.38134	1.19778	0	1	1
Ash1l_j4	3.32155	3.39862	0	1	1
Clk2_j5	70.1263	68.4174	0	1	1
Fam189b_j2	115.507	127.839	0	1	1
Thbs3_j1	0.826326	0.7584	0	1	1
Dpm3_j2	6.156	5.74749	-0.0990595	0.613762	0.847685
Shc1_j2	0.101332	0.0488004	-1.05413	0.308095	1
Shc1_j9	0.138222	0 -1.79769e+308	0.0001729	0.0001729	0.0034027
Pbxip1	2.1162	2.7697	0.388254	0.0156395	0.118265
Pbxip1_j2	1.16047	0.393766	-1.5593	1.99E-06	7.56E-05
Pbxip1_j4	0.360292	0.604503	0.746581	0.0284922	0.179542
Pmvk	44.2385	49.5715	0.16421	0.0990405	0.389423
Pmvk	5.17976	4.22424	-0.294192	0.404642	0.726779
Kcnn3_j1	0.0947704	0.0256006	-1.88826	0.0516065	1
Adar	5.64319	4.69325	-0.265925	0.0138937	0.108864

Ube2q1	4.60237	4.39914	-0.0651582	0.548001	0.813959
Ube2q1_j1	16.9726	16.6487	-0.0277924	0.85395	0.953758
She	0.302007	0.387791	0.360697	0.228478	0.575589
4933434E20Rik	0.195151	0.294378	0	1	1
Nup210l_j2	0.354038	0.040044	-3.14425	0.0181111	0.131624
Nup210l_j3	1.6243	0.864212	-0.910362	0.0090833	0.0797801
Nup210l_j5	1.08217	1.27665	0.238438	0.46626	0.765976
Nup210l_j9	0.120078	0.0825457	-0.540708	0.531594	1
Rab13	0.41296	0.263447	-0.648488	0.171475	0.50851
Rab13	1.92961	1.98213	0.0387401	0.854787	0.954015
Jtb	16.7185	19.0516	0.188468	0.133502	0.454638
Slc39a1	8.66051	8.88529	0	1	1
Crtc2	5.07607	4.67114	-0.119938	0.459224	0.761406
Dennd4b_j2	0.22353	0.262122	0.229772	0.599702	0.841292
Gatad2b_j1	6.26237	6.29047	0.00645817	0.950511	0.985701
Ilf2	22.1693	22.0224	-0.00959075	0.9204	0.975089
S100a13_j1	0.300393	0.229554	-0.388021	0.638248	0.85998
S100a16	15.1979	11.5892	0	1	1
S100a3_j3	0.189061	0.0664487	-1.50854	0.181019	0.520897
S100a3_j6	0.33548	0.534927	0.673113	0.331447	0.673024
S100a4	5.92329	6.28188	0	1	1
S100a4_j2	14.1197	15.1841	0	1	1
S100a6_j1	0.257486	1.28128	2.31502	0.0035304	0.0391871
S100a11	0.190361	0.522504	1.4567	0.0071305	0.0668458
S100a10	116.98	182.651	0.642821	1.87E-13	3.00E-11
S100a10_j1	413.339	643.703	0.639067	3.94E-13	6.01E-11
Them4	17.7927	24.9843	0.489734	3.71E-06	0.0001303
Them5	0.855839	0.842156	-0.023251	0.937313	0.980746
Rorc	0.326134	0.308785	-0.0788625	0.859412	0.955525
Lingo4	0.949666	0.193818	0	1	1
Tdrkh	5.15853	5.10484	0	1	1
XLOC_020993	0.1243	0.0806828	0	1	1
Mrpl9	21.9049	24.478	0.160231	0.115452	0.422552
Celf3_j1	2.18654	3.28614	0	1	1
Celf3_j11	0.368934	0.371982	0	1	1
Celf3_j10	0.758243	0.692962	0	1	1
Celf3_j9	1.72816	2.48163	0	1	1
Pogz_j3	1.4592	1.12274	0	1	1
Pogz	0.526604	0	0	1	1
Pogz	1.23783	1.00137	0	1	1
Selenbp1	1.03829	1.26855	0	1	1
Rfx5	0.0752973	0 -1.79769e+308	0.0008645		1
Rfx5_j2	0.36228	0.305686	-0.245053	0.487372	0.778303
Rfx5_j1	0.615722	0.825318	0.422669	0.158696	0.493167
4930481B07Rik	0.146687	0.146535	-0.00149239	0.998817	0.99946
Vps72	10.8333	13.1811	0	1	1
Tmod4_j3	0.15003	0.0489203	-1.61674	0.308133	0.653037

Sema6c_j6	0.47125	0.613465	0	1	1
Sema6c_j3	1.47854	0.72707	0	1	1
Cdc42se1	3.07124	3.29913	0	1	1
Fam63a_j1	1.94577	3.02416	0	1	1
Lass2	2.75381	2.8949	0	1	1
Gm4349_j1	0.56189	0.625969	0.155804	0.682263	0.880712
Arnt	0.745866	1.21916	0	1	1
Arnt	1.5601	1.51655	0	1	1
Arnt_j1	0	0.19206	0	1	1
Ctsk	1.18351	1.31954	0.156962	0.5857	0.834044
Ctss	2.06075	4.65263	1.17488	1.73E-07	8.66E-06
Ctss	4.62542	13.416	1.5363	0	0
Golph3l	7.36381	7.02025	-0.0689296	0.566723	0.824698
Ensa	56.7554	54.8073	-0.0503905	0.560394	0.821103
Mcl1	6.04706	6.28553	0.055801	0.650695	0.865956
Aph1a_j4	2.79501	2.58111	-0.114864	0.498131	0.783887
Aph1a_j3	0.423376	0.160463	-1.3997	0.011624	0.0957862
Anp32e	17.4584	16.5452	-0.0775057	0.429718	0.742964
Anp32e_j1	0.558409	0 -1.79769e+308		2.44E-05	0.000649
AK028005_j1	0.104956	0.0848129	-0.307431	0.751464	1
Otud7b_j3	0.364953	0.397771	0	1	1
Otud7b	1.25954	1.50339	0	1	1
Otud7b_j9	0.957839	0.842265	0	1	1
Mtmr11	2.01086	2.28229	0.182669	0.35363	0.68999
Mtmr11_j7	2.66989	3.07566	0.204113	0.348381	0.686685
Sf3b4_j1	2.40888	1.90841	0	1	1
Sf3b4_j7	0.0644143	0.140561	0	1	1
Sv2a	11.354	8.37526	0	1	1
Hist2h2be	1.42021	1.55176	0.127803	0.496319	0.783222
Txnip	5.90251	7.28594	0	1	1
Txnip	9.51224	10.8586	0	1	1
Lix1l	6.82711	7.18409	0.073532	0.503714	0.78721
Rbm8a	4.0816	3.64382	0	1	1
Rbm8a_j4	0.560087	0.59232	0	1	1
Rbm8a_j3	1.41106	1.14121	0	1	1
Itga10_j1	9.90263	8.79361	-0.171355	0.129613	0.448478
Itga10_j2	0.0805616	0.0635063	-0.343193	0.811032	1
Itga10_j5	0.0586455	0.0808945	0.464021	0.710216	1
Ankrd35	0.771041	0.507602	-0.603109	0.0688795	0.314596
Pias3	0.397555	0.560191	0.494766	0.33058	0.672467
Rnf115	25.1213	22.5114	0	1	1
Acp6	2.73575	3.04301	0.153558	0.400676	0.724115
Fmo5	0.488002	0.298762	-0.707889	0.0401046	0.224138
Prkab2	4.82441	5.606	0	1	1
Prkab2_j1	6.27581	4.90159	0	1	1
Sec22b	28.7807	30.4785	0.0826882	0.368247	0.701598
Notch2_j3	0.785192	1.25148	0	1	1

Zfp697	0.243372	0.397096	0	1	1
Zfp697_j2	0.331869	0.35299	0	1	1
Zfp697_j3	0.136137	0.15062	0	1	1
Wars2	1.16052	1.00659	-0.205296	0.211618	0.556439
Gdap2	5.69294	5.65291	-0.0101797	0.923164	0.976043
Trim45	3.0911	3.01117	-0.0377963	0.773717	0.923197
Igsf3_j3	3.77493	2.31165	0	1	1
Igsf3_j4	0.705828	1.33406	0	1	1
Nhlh2	0.598824	0.522109	-0.197782	0.544968	0.811878
Ngf	0.161192	1.21471	2.91375	2.69E-05	0.0007054
Ngf_j1	0.254187	0 -1.79769e+308		0.0012189	0.0167549
Tspan2	10.8857	8.19743	0	1	1
Sike1	2.84196	2.72088	0	1	1
Sike1_j1	0.667865	0.870409	0	1	1
Csde1	50.4391	47.524	0	1	1
Nras	5.77579	6.34752	0.136176	0.199262	0.542218
Dennd2c_j1	0.0616644	0.0164921	-1.90266	0.327661	1
Bcas2	26.1358	24.6991	-0.0815652	0.451177	0.756435
Trim33	1.43432	1.88932	0	1	1
Trim33	3.21418	2.87622	0	1	1
Syt6_j1	0.182179	0.000361982	0	1	1
Syt6_j3	0.202549	0.559638	0	1	1
Syt6_j6	2.15645	1.96313	0	1	1
Syt6_j10	1.58395	0.879046	0	1	1
Ap4b1	3.25808	3.61046	0	1	1
Ap4b1	6.44829	6.38639	0	1	1
Ptpn22_j1	0.104798	0.115666	0.142355	0.871094	1
Ptpn22_j2	0.117682	0.0599514	-0.973032	0.349839	1
Ptpn22_j6	0.127329	0 -1.79769e+308		0.0019068	1
Phtf1_j5	0.336063	0.330992	0	1	1
Phtf1	0.134076	0.0303214	0	1	1
Phtf1_j12	22.9521	21.5401	0	1	1
Slc16a1	15.2868	13.6753	0	1	1
Ppm1j	30.1806	23.8949	0	1	1
Ppm1j_j3	0.0539032	0.454097	0	1	1
Rhoc	13.8617	24.2917	0	1	1
Rhoc_j3	0.070054	0.173482	0	1	1
St7l	3.13955	3.27362	0.0603319	0.641491	0.86175
St7l_j1	0.984538	1.03801	0.0762956	0.679812	0.879585
XLOC_021076	0.0762203	0 -1.79769e+308		0.0025547	1
XLOC_021076	0.359313	0.104822	-1.7773	0.0829461	0.350926
XLOC_021076	0.125091	0.0999231	-0.32409	0.594246	1
Kcnd3_j1	1.19306	0.946588	-0.333857	0.109653	0.412055
Kcnd3_j2	1.50789	1.6305	0.112786	0.538072	0.807846
Kcnd3_j3	5.22056	2.96448	-0.816425	5.63E-05	0.0013192
6530418L21Rik	5.97745	5.84367	-0.0326541	0.771124	0.922274
6530418L21Rik	0.453812	0.6149	0.438256	0.170236	0.507195

Wdr77	8.06243	8.02448	0	1	1
Chia_j2	0.831972	0.661792	-0.330158	0.447028	0.753744
Chia_j1	2.30519	1.83782	-0.32689	0.171921	0.509035
Dram2	13.5794	13.4878	0	1	1
4933421E11Rik	1.99867	2.568	0	1	1
4933421E11Rik_j1	0.791134	1.16766	0	1	1
4933421E11Rik	3.03021	2.77189	0	1	1
4933421E11Rik	0.992291	0.960472	0	1	1
AI504432	0.241223	0.173397	-0.47629	0.264956	0.613825
Kcna2_j4	16.6977	10.5791	0	1	1
Kcna2_j5	0.344943	0.140134	0	1	1
Hbxip	32.164	31.4287	-0.0333619	0.772426	0.922804
Slc16a4	0.415461	0.30524	-0.444769	0.380973	0.711636
XLOC_021090	0.226119	0.163546	-0.467383	0.350355	0.687781
Gstm5_j1	67.8308	66.9363	-0.0191499	0.853472	0.953605
Amigo1	16.9573	16.9366	0	1	1
Amigo1	11.2298	9.11303	0	1	1
Psm5_j1	0.1803	0.180993	0.00553193	0.992016	0.997581
Psm5_j6	0.419249	0.249773	-0.74719	0.151911	0.48322
Sort1_j2	2.39251	1.85636	0	1	1
Psrc1_j7	0.124607	0.0454077	-1.45638	0.38002	1
Taf13_j2	0.240158	0.158387	-0.600527	0.413742	0.732496
Taf13_j3	1.3509	1.1087	-0.285047	0.285774	0.63454
Wdr47	4.77621	6.55489	0	1	1
Clcc1	4.22606	3.93684	-0.102277	0.4988	0.78413
Slc25a24	2.91083	3.98737	0.454009	0.0022285	0.0271413
Vav3	2.17265	1.43956	0	1	1
Vav3_j2	0.191417	0	0	1	1
Col11a1	1.93613	1.07211	0	1	1
Col11a1_j2	0.642098	0.5493	0	1	1
Olfm3	0.753027	0.430284	-0.807413	0.0097777	0.0842836
Dph5	7.83135	8.34144	0.0910351	0.535017	0.806052
Extl2	9.90586	5.43962	0	1	1
Dbt	2.9049	2.73448	-0.0872237	0.603363	0.843376
Dbt_j2	1.1749	0.501244	-1.22895	0.0006824	0.0105092
XLOC_021118	0.327521	0	0	1	1
4833424O15Rik	0.788419	0.824289	0.0641877	0.79561	0.931953
4833424O15Rik	0.464525	0.248518	-0.902407	0.0326228	0.19642
4833424O15Rik_j1	0.0665022	0	-1.79769e+308	0.0054933	1
XLOC_021122	0.306321	0.319046	0	1	1
XLOC_021122	0.119604	0.0737225	0	1	1
Dpyd_j1	0.383632	0.0470723	-3.02677	0.0007681	0.0115852
Dpyd_j2	0.625391	0.21857	-1.51666	0.0432243	0.235971
Alg14_j2	2.11311	2.42301	0	1	1
Alg14	4.83275	4.10918	0	1	1
Cnn3	63.2943	75.8385	0	1	1
F3	4.54876	6.10388	0.424254	0.0052634	0.0526764

Arhgap29_j2	0.152849	0.0144004	0	1	1
Arhgap29_j4	0.335654	0.158051	0	1	1
Gclm	20.4843	16.4881	-0.313096	0.0004678	0.0076978
Dnttip2	6.79126	7.1816	0.0806267	0.532168	0.804093
Bcar3_j1	5.00587	3.15823	0	1	1
Bcar3_j2	5.69018	4.95031	0	1	1
1810037117Rik	14.4838	13.9883	-0.0502242	0.726299	0.902924
Sec24d	3.10381	4.0103	0	1	1
Prss12	3.98644	6.96104	0.804204	2.29E-09	1.80E-07
Tram111	1.98824	1.56213	-0.347975	0.158154	0.492398
Ndst4	7.18705	2.90798	-1.30538	0	0
Ndst4_j1	1.12867	0.44979	-1.3273	5.79E-06	0.0001922
Arsj	0.296641	0.344639	0.216369	0.455197	0.758984
Camk2d_j2	21.6191	21.1653	0	1	1
4930422G04Rik	0.13939	0.167612	0.266005	0.625489	0.853933
4930422G04Rik_j5	0.0565905	0 -1.79769e+308	0.0032445	0.0032445	1
4930422G04Rik_j14	0.196041	0 -1.79769e+308	0.0012891	0.0012891	0.0175173
Tifa_j1	0.855006	2.00163	1.22717	8.11E-08	4.47E-06
Tifa	2.51499	4.53234	0.849706	6.53E-09	4.76E-07
Elovl6	1.04698	0.95562	0	1	1
Elovl6	1.52944	0.000128935	0	1	1
Cfi	0.182488	0.174148	-0.0674885	0.916649	0.97399
Pla2g12a	6.68403	8.06426	0.270823	0.0332368	0.198919
Casp6_j1	0.339777	0.345999	0.0261821	0.945861	0.983787
Col25a1_j2	0.124066	0.0648449	-0.936049	0.174965	1
Col25a1_j5	1.01836	0.41435	-1.29733	1.13E-05	0.0003444
XLOC_021153	0.0760651	0.234227	1.6226	0.0354078	0.207359
XLOC_021153	0.0828132	0.000434383	-7.57475	0.778118	1
Lef1	0.457315	0.423508	-0.110797	0.746139	0.911606
Papss1	10.7303	9.62177	0	1	1
Papss1	4.17072	3.63303	0	1	1
Tbck	2.02677	1.85427	0	1	1
Tbck_j2	1.82679	1.99057	0	1	1
Ints12_j1	3.09631	1.95886	0	1	1
Ints12	0.669005	0.447955	0	1	1
Ppa2	1.57408	1.25719	0	1	1
Ppa2_j2	0.412046	1.22906	0	1	1
Ppa2_j4	2.7925	1.4596	0	1	1
BC065149_j1	0.384275	0.324017	-0.246071	0.679305	0.879479
Cxxc4	2.64724	2.21655	-0.256171	0.115608	0.422966
Cxxc4_j3	1.36003	0.970257	-0.487196	0.0570573	0.279855
Nhedc2	0.155462	0.26543	0.771769	0.211236	0.555994
Nhedc2_j2	0.0829773	0 -1.79769e+308	0.0153266	0.0153266	1
Nhedc2_j5	0.106657	0.052941	-1.01052	0.414758	1
Manba	0.986148	0.377709	-1.38453	7.11E-05	0.0016051
Manba_j4	0.00753225	0.158792	4.39792	0.0397236	0.222871
Slc39a8	0.28621	0.619002	1.11287	0.0039884	0.0427801

Slc39a8	1.15371	0.619569	-0.896948	0.0021204	0.0261653
Slc39a8	0.0430468	0.104508	1.27963	0.201196	1
XLOC_021171	0.130029	0.0850418	-0.612585	0.533283	1
XLOC_021172	0.184041	0.106142	0	1	1
Ppp3ca	66.0377	60.9655	0	1	1
Ppp3ca_j4	91.9775	87.533	0	1	1
Emcn	6.18539	5.83427	-0.0843138	0.591932	0.837449
Ddit4l	0.922529	0.956087	0.051547	0.821991	0.942583
Dnajb14	11.7767	9.85953	-0.25634	0.0048959	0.0499109
Mapksp1_j6	10.8188	10.397	-0.0573741	0.675239	0.877609
Mapksp1_j12	0.435006	0.353195	-0.300569	0.505313	0.788165
Rg9mtd2	1.024	0.824684	0	1	1
Rg9mtd2	2.57571	2.40972	0	1	1
Adh1	0.583072	1.06209	0.865162	0.0133311	0.105889
Adh1_j2	0.26216	0.49094	0.905101	0.175706	0.514267
Adh5	33.5376	34.2566	0.030604	0.765754	0.920003
Adh5_j1	11.5935	10.3778	-0.159818	0.39074	0.71753
Eif4e_j4	0.260882	0.0389519	0	1	1
XLOC_021183	0.0635783	0.0405848	0	1	1
Tspan5	17.2614	16.3668	0	1	1
Tspan5_j1	0.116519	0	0	1	1
Unc5c	0.825438	0.880464	0.0931044	0.604383	0.843983
Gbp6	0.266561	0.426177	0	1	1
Gbp3_j1	0.68484	0.800178	0	1	1
Gbp3_j2	0.275031	0	0	1	1
Gbp2_j1	0.90316	0.259017	-1.80194	0.0005315	0.0085823
Gbp2	3.08181	2.0641	-0.578263	0.0041484	0.0440696
Ccbl2	0.677073	0.515141	-0.394343	0.198035	0.541135
Gtf2b	28.7443	27.4293	-0.0675571	0.515447	0.794245
XLOC_021191	0.0946244	0.0298144	-1.6662	0.446885	1
XLOC_021191	0.0771497	0.117957	0.612526	0.665601	1
Sept15	58.0746	59.2188	0	1	1
Sep15_j3	52.245	41.7053	0	1	1
Odf2l_j2	0.268804	0.263874	-0.0267061	0.963096	0.989724
Odf2l_j7	0.0808134	0 -1.79769e+308	0.0180412	0.0180412	1
Odf2l_j8	0.0881091	0.0421501	-1.06376	0.456313	1
Col24a1_j1	0.742658	0.468663	0	1	1
Col24a1_j6	0.898714	0.777493	0	1	1
Znhit6	2.2021	2.08267	-0.0804495	0.560075	0.821011
FJ422280	0.195269	0.102577	-0.928754	0.250468	0.59819
Ddah1	8.1782	8.96797	0	1	1
Bcl10	5.72271	7.48762	0.38781	0.0076687	0.0705338
Bcl10_j2	0.995023	0.659627	-0.59308	0.184853	0.525128
2410004B18Rik_j2	1.65735	1.29572	-0.35513	0.398767	0.722631
2410004B18Rik_j1	1.95884	1.81283	-0.11176	0.774135	0.923447
2410004B18Rik	6.91468	6.28217	-0.138401	0.534182	0.805439
Syde2	0.340781	0.306432	-0.15328	0.596697	0.839661

Mcoln2_j4	0.0645893	0.0145184	-2.15341	0.521652	1
Mcoln2_j7	0.166479	0.168988	0.0215774	0.978617	0.993756
Lpar3_j1	0.246843	0 -1.79769e+308		0.0158652	0.119563
Lpar3	10.8979	7.9602	-0.453172	0.0004303	0.0071813
Lpar3_j2	0.438161	0 -1.79769e+308		0.001874	0.0237193
Ssx2ip	4.03494	3.21563	0	1	1
Ssx2ip_j1	11.6854	8.03569	0	1	1
Ctbs	0.677222	0.557409	-0.280892	0.358753	0.694048
Ctbs_j1	1.01977	0.758896	-0.426274	0.186019	0.526394
Gng5_j1	0.173561	0.149567	-0.214654	0.746717	0.911779
Ttll7_j1	49.9506	29.521	0	1	1
Ttll7_j2	9.57133	14.235	0	1	1
Ttll7_j4	99.138	77.4068	0	1	1
AK133793_j2	0.351961	0.255904	-0.459815	0.394411	0.719811
AK133793_j1	0.202933	0.0111987	-4.1796	0.131692	0.451686
AK133793	0.115944	0.112649	-0.0415894	0.966788	1
Fubp1	2.58908	1.24722	0	1	1
Fubp1_j3	1.05586	0.877677	0	1	1
Fubp1_j5	0.000248538	0.379252	0	1	1
Fubp1_j4	0.545764	1.00941	0	1	1
Usp33	26.473	21.1908	0	1	1
Pigk	19.9486	19.703	-0.0178718	0.844158	0.950736
XLOC_021219	0.170903	0.0958466	-0.834377	0.220605	0.567463
XLOC_021220	0.136006	0.0286898	-2.24506	0.261637	1
4922501L14Rik_j4	0.473747	0.112782	0	1	1
4922501L14Rik_j11	0.185687	0.108161	0	1	1
Lrriq3	0.185341	0.231238	0.319199	0.746884	0.911809
Lrriq3	0.00816211	0.0755517	3.21045	0.16803	1
Negr1	4.88188	4.35107	-0.166068	0.162183	0.497506
Zranb2	30.5946	27.215	-0.168871	0.0698894	0.317312
Ptger3	10.0385	8.4931	-0.241181	0.0131198	0.104703
Ankrd13c	6.99278	7.4095	0.08351	0.41423	0.732813
Ankrd13c_j1	3.17398	4.08664	0.364626	0.245534	0.592921
Wls	14.2747	11.6275	-0.295912	0.0038907	0.042075
Pxmp3_j5	0.263437	0.0918719	0	1	1
Pxmp3	0.193584	0.199679	0	1	1
Pxmp3	0.213623	0.217188	0	1	1
Pxmp3_j2	1.21956	0.831906	0	1	1
Il7_j5	0.302932	0.0698267	-2.11715	0.0519745	0.264536
Il7	1.32038	1.41443	0.0992655	0.679728	0.879568
Hey1_j1	4.99063	3.66877	0	1	1
Hey1_j2	2.28632	2.55133	0	1	1
Hey1	8.23868	7.62242	0	1	1
Tpd52_j2	1.54541	0.705608	0	1	1
Tpd52_j3	1.39643	0.859596	0	1	1
Tpd52	8.40738	7.66612	0	1	1
Zfp704	0.741678	0.677058	-0.131513	0.446797	0.753538

Pag1	0.228201	0.0663581	0	1	1
Pag1	0.924816	1.36748	0	1	1
Pmp2	1.80521	1.43575	-0.330361	0.160964	0.495702
Impa1	1.60466	1.40483	-0.191866	0.166514	0.502925
Zfand1_j4	0.329608	0.191896	-0.780421	0.368365	0.701715
Zfand1_j9	0.188974	0.18992	0.00721027	0.99529	0.998726
Zfand1_j6	0.409758	0.423907	0.0489738	0.932176	0.979434
Snx16	6.64345	6.47696	0	1	1
AK140446	1.82045	1.42531	-0.353015	0.122594	0.4357
Car1_j1	0.363516	0.803548	1.14436	0.022553	0.15319
LOC100038947_j2	0.0717155	0	-1.79769e+308	0.0432171	1
Cyp7b1	1.01282	0.718372	-0.495575	0.145646	0.473555
Armc1	21.5859	17.8149	-0.277006	0.0058744	0.0575644
Pde7a_j2	0.568441	0.609763	0.101237	0.726501	0.903104
Pde7a	2.88116	4.20873	0.546738	2.26E-05	0.0006115
Crh	2.5045	5.75114	1.19932	8.29E-11	8.61E-09
XLOC_021266	0.059674	0.0418086	-0.513303	0.6877	1
Hps3_j1	6.53091	6.76614	0	1	1
Hps3	7.23343	5.51067	0	1	1
Gyg_j1	32.2818	25.3586	0	1	1
Gyg	48.9655	33.3561	0	1	1
Cpb1_j5	0.0665151	0	-1.79769e+308	0.0376661	1
Cpb1_j2	0.756081	1.14843	0.60305	0.0731356	0.325612
Agtr1b	2.19276	1.77716	-0.303176	0.190112	0.531948
Nlgn1_j6	0.130581	0.170284	0.382998	0.597951	0.840519
Fndc3b_j2	0.345388	0.443076	0	1	1
AK007174_j8	0.602568	0.60233	-0.000571396	0.999307	0.999645
AK046440	0.221694	0.128612	-0.78554	0.308982	0.653841
Mecom_j3	0.0479685	0	-1.79769e+308	0.0089373	1
Mecom_j4	0	0.0711969	1.79769e+308	0.017329	1
Lrrc31_j4	0.337326	0.0852153	-1.98496	0.0020958	0.0259469
Lrrc31_j3	0.959139	0.449446	-1.09359	0.0001524	0.0030554
Phc3_j2	0.267602	0.149373	0	1	1
Phc3_j3	0.23158	0.000226949	0	1	1
Slc7a14	6.78774	5.87427	0	1	1
Zmat3_j5	0.308924	0.149303	0	1	1
Zmat3	1.18307	1.16374	0	1	1
Gnb4	2.80899	2.7249	0	1	1
Pex5l_j4	3.11262	2.58543	-0.267724	0.0695245	0.316209
Ccdc39_j4	0.491527	0.401756	-0.29095	0.236564	0.583799
Dcun1d1_j3	0.151596	0	-1.79769e+308	0.189504	0.531344
Dcun1d1_j4	0.343419	0.398875	0.215965	0.762875	0.918329
Mccc1_j2	0.709077	0.770364	0.119599	0.678514	0.879095
Mccc1	0.208182	0.000245807	-9.7261	0.468024	0.766788
Qrfpr	0.440823	0.926125	1.07101	0.002729	0.0320207
Anxa5	211.765	213.504	0	1	1
AK043581_j1	1.06171	1.01832	0	1	1

AK043581	0.351299	0.465916	0	1	1
Ccna2	1.33022	1.43555	0.109932	0.522319	0.798827
Bbs7	5.75808	5.63819	-0.0303566	0.821204	0.942206
Trpc3	5.27377	3.14016	0	1	1
Trpc3_j2	7.26529	4.17368	0	1	1
Trpc3_j1	0.129404	0	0	1	1
Cetn4_j1	0.209266	0.107138	-0.965867	0.241186	0.588314
Ankrd50_j2	3.86251	1.95549	0	1	1
Ankrd50_j1	5.82648	6.50824	0	1	1
Mfsd8	0.655646	0.623739	0	1	1
Mfsd8_j4	0.916549	0.677249	0	1	1
Mfsd8_j3	0.968311	0.421009	0	1	1
Pgrmc2	16.3487	17.1841	0	1	1
Sclt1	0.970528	1.10281	0.184337	0.465924	0.765799
AK012035_j1	0.00346317	0.127537	5.20268	0.123062	1
Pcdh18	1.50551	1.43874	-0.0654514	0.715655	0.897263
Pcdh18	0.375065	0.215966	-0.796334	0.0597104	0.287541
Elf2	2.13041	1.90133	0	1	1
Elf2	1.64051	1.26519	0	1	1
Elf2_j3	0.561517	0.64011	0	1	1
4930583H14Rik	0.129413	0.151607	0.228354	0.802339	1
Ndufc1_j1	1.46643	1.49684	0	1	1
Setd7	3.40831	3.33597	-0.0309522	0.790536	0.930178
Maml3	0.232974	0.298744	0	1	1
Cog6	14.725	12.7824	-0.204111	0.048502	0.253535
Nhlrc3	0.534916	0.530946	-0.0107467	0.969653	0.99148
Frem2_j9	0.168916	0.140074	-0.270118	0.56488	0.82359
Ufm1	14.1372	13.6456	-0.0510609	0.587372	0.835002
Rfxap	6.60972	5.03433	-0.392789	0.0001832	0.0035674
6030405A18Rik	2.29839	3.94306	0.778691	1.52E-06	5.95E-05
Nbea_j4	3.92317	2.96751	0	1	1
Tm4sf1_j1	1.55863	2.31382	0.569998	0.0024931	0.0297761
Wwtr1	2.39892	2.56864	0.0986184	0.519174	0.796856
Commd2	0.758943	0.803878	0.0829853	0.605976	0.84481
Pfn2_j2	2.01657	1.66324	0	1	1
Pfn2	33.3386	26.9195	0	1	1
Pfn2	61.6252	51.3783	0	1	1
XLOC_021349	0.294942	0.144041	-1.03395	0.0810065	0.346508
XLOC_021350	0.0532832	0	-1.79769e+308	0.0666428	1
AK005707_j3	0.0863271	0.0138655	-2.63831	0.1543	1
AK005707_j1	0.150585	0.0310213	-2.27925	0.112107	0.416662
Serp1	12.7857	14.3078	0	1	1
Fam194a_j1	1.88623	1.63083	-0.209905	0.516786	0.795273
Siah2	6.53372	6.99447	0.0983087	0.441116	0.749926
AK030561	2.12947	1.94844	0	1	1
AK030561_j2	3.50046	3.98205	0	1	1
AK030561_j3	0.455234	0.565634	0	1	1

Clrn1	1.77869	1.17501	0	1	1
P2ry14	0.10418	0.0756829	-0.461034	0.688586	1
P2ry14_j1	0.110882	0.132726	0.259427	0.787568	1
P2ry14	0.664355	1.05096	0.66168	0.0508722	0.261327
P2ry12_j2	0.431972	0.331765	0	1	1
P2ry12_j1	0.789313	0.724157	0	1	1
P2ry12	0.529772	0.596443	0	1	1
Dhx36	10.1713	8.98336	0	1	1
Gpr149_j1	2.50156	3.971	0	1	1
Gpr149_j4	0.722784	0.672683	0	1	1
Gpr149	3.91647	3.41461	0	1	1
Plch1_j3	0.0891581	0.0516439	-0.787768	0.408617	1
E130311K13Rik	3.63906	3.98623	0.13146	0.442075	0.750452
Slc33a1	6.78262	5.81292	-0.22258	0.0764781	0.334147
Ssr3_j2	4.86389	5.6845	0	1	1
Ssr3	38.2715	36.8121	0	1	1
Ccnl1_j6	0.768875	0 -1.79769e+308		3.82E-14	6.77E-12
Ccnl1	0.45944	0.418395	-0.135011	0.644989	0.863026
Shox2	1.18894	0.806317	0	1	1
Shox2	4.56107	3.00442	0	1	1
Lxn	37.7339	38.5597	0.0312291	0.736316	0.907153
Rarres1	5.52896	4.4048	-0.327931	0.0026562	0.031309
XLOC_021379	0.118831	0.0283045	-2.06982	0.152798	1
Gm5848	17.7511	18.5934	0.0668836	0.71208	0.895583
Ift80_j2	6.11136	4.90349	0	1	1
Ift80_j3	0.14813	0.0803429	0	1	1
Kpna4	11.3673	8.25501	0	1	1
B3galnt1_j1	3.00339	3.32499	0.14676	0.565367	0.823805
B3galnt1	12.2416	12.3581	0.0136689	0.903149	0.969087
1110032A04Rik	0.248719	0.0430387	-2.53081	0.0169207	0.125327
1110032A04Rik_j3	0.643638	0.278023	-1.21105	0.0095802	0.0829776
1110032A04Rik	0.233964	0.147393	-0.666613	0.257839	0.606586
Slitrk3_j1	2.12066	1.16697	-0.861738	0.0009092	0.0132606
Slitrk3_j3	3.16042	1.95457	-0.693263	4.22E-06	0.0001459
Bche_j2	0.123576	0.0383998	-1.68623	0.109249	1
Bche	1.91749	1.51237	-0.342413	0.0420356	0.231635
Pdcd10_j1	0.252087	0.160359	-0.652618	0.0926497	0.374542
Golim4_j2	11.927	9.32614	-0.354879	0.0011609	0.0161023
Golim4	2.9289	2.144	-0.450059	0.0005756	0.0091657
Rapgef2_j2	1.29935	0.936576	0	1	1
Rapgef2_j1	1.56204	1.63616	0	1	1
Rapgef2	1.33129	0.888138	0	1	1
Rapgef2_j3	0.0551401	0.0341131	-0.692777	0.763784	1
Fnip2	0.371282	0.201088	0	1	1
Fnip2_j2	0.385333	0.276155	0	1	1
Etfdh	3.38458	3.17118	-0.0939578	0.391401	0.717908
Rxfp1_j1	6.06563	5.62382	-0.109105	0.57432	0.828005

Rxfp1_j5	0.0814826	0.0202579	-2.00801	0.280175	1
Tmem144_j3	0.54447	0.849899	0.64244	0.0454153	0.243949
Gria2_j6	0.264212	0.0704539	-1.90695	0.0027067	0.0318128
Gria2_j4	0.169246	0.159449	-0.0860266	0.855316	0.954239
Gria2_j11	0.94655	0.388032	-1.2865	1.74E-05	0.0004959
Glrj_j4	0.490442	0	0	1	1
Glrj_j5	13.6656	10.031	0	1	1
Glrj_j1	4.98776	3.58951	0	1	1
Gucy1b3	0.881491	0.894314	0.0208352	0.929261	0.978343
Gucy1a3	0.569125	0.76579	0.428202	0.0680298	0.312296
Npy2r_j1	2.93635	3.95483	0	1	1
Npy2r	1.254	2.28779	0	1	1
Rbm46_j2	0.11518	0.154687	0.425468	0.48454	1
Rbm46_j1	0.27263	0.146624	-0.894825	0.092905	0.374921
Lrat	0.309148	0.793255	1.35949	3.95E-10	3.53E-08
Tlr2_j2	0.0405554	0.0909356	1.16495	0.278608	1
D930015E06Rik_j4	1.48254	1.20107	-0.303753	0.217243	0.563457
D930015E06Rik	9.01717	7.67113	-0.233236	0.0236372	0.157956
Mnd1_j4	0.114791	0.103831	-0.144778	0.952277	1
Trim2_j3	13.1115	13.225	0	1	1
Trim2_j4	0.256165	0	0	1	1
Trim2	10.6723	8.69144	0	1	1
Trim2	6.33914	4.53316	0	1	1
Trim2	2.68856	2.43548	0	1	1
Fhdc1_j3	0.243911	0.000190982	0	1	1
Fhdc1_j4	0.646925	0.387202	0	1	1
Arfp1	0.432019	0.366272	0	1	1
Fam160a1	2.60E-05	0.126621	12.252	0.963993	1
Fam160a1_j2	0.167152	0.101347	-0.721851	0.344042	0.683976
Rps3a_j1	0.556382	0.505945	-0.137094	0.713124	0.896209
Dclk2_j3	5.64387	5.69946	0	1	1
Dclk2	6.49468	4.34817	0	1	1
Cd1d1	2.12041	3.03669	0.518157	0.0078134	0.0713527
Kirrel_j1	0.509086	0.384149	0	1	1
Kirrel_j2	0.904211	0.436508	0	1	1
Kirrel	0.966411	0.785656	0	1	1
Fcrls	1.60926	4.11598	1.35484	1.91E-12	2.60E-10
4933430H15Rik_j1	0.131897	0.0914751	-0.527965	0.383016	1
Pear1	0.182949	0.0555498	0	1	1
Ntrk1_j3	39.7711	41.4318	0	1	1
Ntrk1	75.9022	65.987	0	1	1
Prcc_j4	2.15448	1.82883	-0.236419	0.467137	0.766568
Prcc	16.1386	15.4492	-0.0629833	0.568767	0.825676
BC023814_j1	0.368088	0.31917	0	1	1
Bcan_j6	0.273796	0.0335876	0	1	1
Bcan	2.67095	1.71279	0	1	1
Apoa1bp	2.2962	2.05156	0	1	1

Tmem79_j1	50.8042	50.109	0	1	1
Tmem79	5.51998	4.65724	0	1	1
Pmf1	3.05315	3.65597	0.259958	0.208973	0.553157
Pmf1	0.660044	0.460391	-0.519702	0.428992	0.742566
Slc25a44	4.56353	4.74395	0	1	1
Sema4a	0.440782	0.524802	0	1	1
Sema4a	1.44482	1.6707	0	1	1
Sema4a	0.580561	0.961801	0	1	1
Lmna_j3	0.0492844	0 -1.79769e+308	0.0448222		1
Lmna	0.382032	0.307335	-0.313879	0.560207	0.821025
Robld3	18.0628	18.9254	0.0672971	0.569948	0.826089
Gm10704	58.1708	57.2725	-0.022453	0.817814	0.940908
Syt11_j5	95.2522	107.261	0	1	1
Syt11_j7	2.64565	0	0	1	1
Syt11_j6	0.204814	0	0	1	1
Dap3_j5	1.59253	1.43705	-0.148213	0.629043	0.85574
Dap3_j4	1.2164	0.960219	-0.341178	0.351594	0.688851
Rusc1_j1	44.2091	46.2895	0	1	1
Rusc1	31.3674	37.2389	0	1	1
Rusc1	12.4583	5.57203	0	1	1
Fdps_j3	0.195762	0.293681	0.585149	0.207408	0.551923
Fdps_j12	0	0.844604 1.79769e+308	1.71E-05	0.0004877	
Fdps_j11	0.0104335	0.439866	5.39777	0.0488006	0.254523
Fdps_j15	9.56844	9.21511	-0.0542822	1	1
Hcn3	6.0611	6.51338	0	1	1
Mtx1	1.72685	1.66116	0	1	1
Trim46_j1	6.32197	3.82268	0	1	1
Slc50a1_j1	4.96247	3.0432	-0.705468	0.0240822	0.160082
Slc50a1	15.7875	16.0121	0.0203848	0.891958	0.965687
Efna1	18.2125	21.9185	0.267224	0.0141386	0.110251
Efna3_j1	0.488739	0.355588	-0.458858	0.321733	0.664845
Efna3	1.13758	0.735863	-0.628461	0.0319043	0.193578
Efna4	0.317385	0.485631	0.613627	0.16686	0.503246
Adam15_j3	0.423202	0.325985	0	1	1
Zbtb7b	4.66378	4.70997	0.0142183	0.916087	0.973886
Flad1_j1	8.15978	7.13471	-0.193677	0.140993	0.466982
Flad1	2.62833	2.86348	0.123622	0.461522	0.762822
Cks1b	0.770752	0.716596	-0.105106	0.480677	0.774441
Chrn2	1.13413	0.93648	-0.276264	0.170045	0.507178
Atp8b2_j6	0.211538	0	0	1	1
Atp8b2_j1	6.64251	3.90926	0	1	1
Ubp2l_j4	2.23586	2.4595	0	1	1
Ubp2l_j10	0.496858	0.827327	0	1	1
Ints3_j1	2.11562	2.28871	0	1	1
Ints3_j5	1.62963	2.60999	0	1	1
Npr1	0.0476796	0.0174889	-1.44694	0.272711	1
Snapin	24.0537	22.3495	-0.106015	0.3019	0.648067

2500003M10Rik_j1	7.44853	5.92488	-0.330169	0.136186	0.45922
2500003M10Rik_j6	0.892833	0.727918	-0.294614	0.347118	0.685818
S100a9	1.11133	0.540456	-1.04004	0.262043	0.611255
S100a9	9.73229	3.63605	-1.42041	2.40E-07	1.17E-05
9130204L05Rik_j1	0.114387	0.16965	0.568638	0.718927	0.898913
9130204L05Rik_j2	0.275732	0.0637775	-2.11215	0.265467	0.614358
Sprr1a	87.4151	587.069	2.74758	0	0
XLOC_021484	0.256383	0 -1.79769e+308		0.0182979	0.132527
Lce6a_j2	0.236005	0.665372	1.49534	0.11112	0.414977
Lce6a_j3	0.119152	0.0304528	-1.96816	0.426768	1
Lce6a_j4	0.112389	0.05901	-0.929473	0.603364	1
Riiad1_j1	0.118759	0.0470993	-1.33426	0.137517	1
Snx27	2.1734	2.14287	0	1	1
Tuft1_j3	0.0943389	0.0408181	0	1	1
Tuft1_j4	0.224563	0.103822	0	1	1
Cgn_j6	0.175217	0.105655	0	1	1
Psmb4	111.702	117.646	0	1	1
Zfp687_j6	0.450232	0.550622	0.290394	0.187129	0.528052
Psm4	8.67086	8.39521	0	1	1
Psm4	0.591932	0.663725	0	1	1
Psm4_j7	3.66938	4.14658	0	1	1
Pip5k1a	1.48587	1.49441	0	1	1
Pip5k1a	1.77309	1.34101	0	1	1
Pip5k1a_j6	0.382526	0.705546	0	1	1
Scnm1	0.114154	0.175392	0.619602	0.25469	0.602933
Tnfaip8l2	0.323571	0.351225	0.118316	0.77354	0.923145
XLOC_021499	4.28658	4.50638	0.0721411	0.677788	0.878835
Mllt11	62.8914	68.6401	0	1	1
Mllt11_j3	160.283	182.09	0	1	1
Bnip1_j3	0.0822678	0.0589466	-0.48092	0.573698	1
Prune	4.09833	4.47053	0	1	1
Adamtsl4_j2	0	0.0743605 1.79769e+308		0.0248347	1
Adamtsl4	0.674164	1.29244	0.938925	0.0001435	0.0029004
Prpf3_j1	2.89588	3.18128	0.135605	0.446476	0.753343
Prpf3	1.42585	1.85655	0.3808	0.0775073	0.337068
Mrps21	1.58865	1.69408	0.0927011	0.669166	0.87479
Gm129_j2	0.19923	0.063611	-1.64709	0.162896	0.498174
Gm129	0.353313	0.112161	-1.65537	0.105613	0.403642
Gm129_j4	0.613819	0.0723068	-3.08561	0.133452	0.454533
BC028528_j3	0.294828	0.0788968	-1.90183	0.223669	0.570905
BC028528_j2	1.079	1.01802	-0.0839287	0.852941	0.953424
BC028528	0.36145	0.380481	0.0740286	0.921291	0.975363
BC028528_j4	0.903199	0.859636	-0.0713187	0.923005	0.975988
Car14_j2	0.631881	0.954045	0.594405	0.0431322	0.235574
Car14_j1	0.971555	0.736102	-0.400391	0.179636	0.519346
Plekho1_j4	7.09626	11.4729	0	1	1
Plekho1	6.05795	8.38003	0	1	1

Vps45	4.92839	4.9371	0.00254813	0.98528	0.995689
Bola1	0.374052	0	-1.79769e+308	0.007679	0.0706004
Bola1_j3	3.57358	4.69459	0.393631	0.246783	0.594321
Fcgr1	0.52819	1.46456	1.47134	2.28E-11	2.59E-09
Polr3gl	1.26501	1.3022	0.0418028	0.896665	0.967058
Nudt17	0.749972	1.13277	0.594942	0.0040708	0.0434634
Polr3c_j2	1.57118	1.75335	0	1	1
Polr3c	4.1703	3.56272	0	1	1
Gpr89	4.27694	3.57284	-0.259507	0.0083609	0.0749898
Bcl9_j1	1.07703	0.908242	0	1	1
Bcl9	0.602012	0.000376065	0	1	1
Bcl9_j4	0.664563	0.288038	0	1	1
Bcl9_j6	0.504779	0	0	1	1
Chd1l	2.54306	2.57029	0.015368	0.921919	0.975553
Pde4dip_j10	5.31209	5.37751	0	1	1
Pde4dip_j11	1.79464	1.85565	0	1	1
Phgdh_j3	2.02992	3.06901	0	1	1
Wdr3	2.2932	2.49893	0.123945	0.411583	0.73074
Fam46c	0.613777	0.42351	-0.535319	0.0420937	0.231851
Man1a2	11.4611	9.69965	0	1	1
Ttf2	2.55851	2.49748	-0.0348326	0.808404	0.937029
Ptgfrn_j2	8.96146	8.386	0	1	1
Ptgfrn	4.26129	3.80977	0	1	1
Atp1a1_j1	156.975	170.414	0	1	1
Atp1a1_j2	584.725	533.67	0	1	1
Atp1a1	0.189972	0.0853557	0	1	1
XLOC_021543	0.168512	0.0750604	-1.16673	0.332768	0.673875
BC037703	0.129682	0.185676	0.517805	0.334777	0.675569
Slc22a15	0.474105	0.382056	-0.311423	0.221907	0.569069
Slc22a15	0.589988	0.590448	0.00112439	0.996779	0.999085
Vangl1	0.368021	0.576211	0	1	1
Vangl1_j5	0.877801	0.860109	0	1	1
XLOC_021547	0.125302	0.069543	-0.849433	0.359361	1
XLOC_021547	0.192747	0.0441089	-2.12757	0.15519	0.488329
Olfml3	10.931	12.0239	0.137492	0.259291	0.608037
Hipk1_j2	2.05287	0.00174794	0	1	1
Hipk1_j1	2.82825	2.71627	0	1	1
Dclre1b	0.0923964	0.100956	0.12782	0.863888	1
Dclre1b	0.899297	0.760075	-0.242655	0.292106	0.638961
Magi3	15.0196	9.59251	0	1	1
Lrig2_j1	8.04236	8.27769	0.0416085	0.724452	0.901947
Lrig2	3.07412	2.68423	-0.195664	0.160837	0.495474
Mov10_j2	0.159662	0.484981	0	1	1
Mov10_j4	0.279158	0.152261	0	1	1
Capza1_j4	0.217044	0.172398	-0.33225	0.599362	0.841181
Wnt2b	3.06612	3.17218	0.0490598	0.663775	0.872653
Cttnbp2nl	8.03487	6.43539	0	1	1

Ddx20_j1	1.14974	1.39053	0.274328	0.377139	0.708986
Ddx20	2.91782	2.94258	0.0121922	0.941906	0.982346
Rap1a_j2	0.232032	0.115076	-1.01173	0.0324223	0.195606
1700027A23Rik	0.364953	0.364065	-0.0035176	0.994065	0.998317
Cept1	2.18882	2.24636	0	1	1
Cd53	1.10755	2.59846	1.23029	1.70E-07	8.53E-06
Rbm15	0.291588	0.4992	0.775686	0.0028441	0.0329978
Kcnc4_j2	10.027	8.93794	-0.165871	0.0761312	0.333255
Slc6a17_j2	5.89616	3.14053	0	1	1
Slc6a17	16.5346	11.1431	0	1	1
Fam40a_j3	5.49143	4.93758	-0.153376	0.398792	0.722631
Fam40a	11.1238	10.9389	-0.0241869	0.823898	0.943114
Ahcyl1	37.3466	33.1484	0	1	1
Csf1_j6	0.252362	0.272515	0	1	1
Csf1	2.70811	7.14297	0	1	1
Csf1	2.30034	3.16441	0	1	1
4933431E20Rik	1.41646	0.463657	-1.61116	6.04E-08	3.48E-06
4933431E20Rik	1.68377	1.09344	-0.622831	0.0038294	0.0415871
Gstm4_j2	0.139107	0.0886336	-0.650264	0.622683	0.852399
Gstm4	4.45453	4.3718	-0.027044	0.880795	0.962091
Ampd2_j6	5.55093	4.80427	0	1	1
Ampd2_j4	3.67081	2.76612	0	1	1
Gnai3	13.0275	14.7166	0	1	1
Cyb561d1	1.11907	1.06695	0	1	1
Cyb561d1	0.670411	0.746121	0	1	1
Atxn7l2_j1	0.471014	0.380176	0	1	1
Atxn7l2_j3	0.110576	0.0350262	0	1	1
AK144267_j1	0.122652	0.121016	-0.0193686	0.97732	1
Celsr2	2.22451	1.53445	-0.535762	9.25E-05	0.0020106
Sars_j1	35.2547	42.8622	0	1	1
Sars	34.7023	40.2823	0	1	1
Sars	28.2059	26.7201	0	1	1
5330417C22Rik_j3	1.69276	1.47819	-0.195552	0.240158	0.58746
Tmem167b	2.91772	2.09596	-0.477233	0.0370977	0.213277
Tmem167b	19.118	20.1508	0.0759051	0.44308	0.751132
Gpsm2_j1	0.814386	0.871128	0.0971724	0.681878	0.880565
Gpsm2	2.72409	2.66322	-0.032602	0.81136	0.938053
Stxbp3a_j1	1.02934	0.722831	-0.509985	0.203201	0.547149
Prpf38b_j3	3.92026	3.82616	0	1	1
Prpf38b	3.99594	3.87699	0	1	1
Fam102b	24.8847	20.8751	0	1	1
XLOC_021596	0.103228	8.75E-05	-10.2044	0.89281	1
Ntng1_j3	0.712695	0.213998	0	1	1
Ntng1_j4	0.872365	1.1847	0	1	1
Prmt6	1.09206	1.22173	0.16187	0.408788	0.729001
Gm5548	1.47547	1.75688	0.251839	0.459578	0.761442
Rnpc3_j2	3.05556	2.32111	0	1	1

S1pr1_j1	3.99451	3.54533	0	1	1
S1pr1	2.07736	2.24609	0	1	1
A930005H10Rik	2.42205	2.61446	0.110285	0.673461	0.876946
Slc30a7	1.04995	0.840622	0	1	1
Vcam1	1.37457	1.70496	0.31076	0.0868282	0.36018
Cdc14a	0.571784	0.38795	-0.5596	0.0890392	0.365707
Rtcd1	43.8631	43.0846	-0.0258339	0.789184	0.929678
Gm4596	78.4263	79.4919	0.0194707	0.863465	0.956634
Ccdc76_j3	0.598591	0.573528	-0.0617056	0.866906	0.957889
Hiat1	15.5083	11.8256	0	1	1
Slc35a3_j2	0.268074	0.132377	-1.01798	0.104467	0.401025
Agl_j2	14.424	11.6546	0	1	1
Agl_j3	5.6485	3.92223	0	1	1
Agl	3.25608	2.10227	0	1	1
Palmd_j3	5.04241	4.94298	0	1	1
Palmd	10.2977	9.4172	0	1	1
Palmd_j4	0.603288	0.353704	0	1	1
D3Bwg0562e	1.36415	0.895791	0	1	1
Snx7	59.6434	55.5714	-0.102019	0.245747	0.593119
XLOC_021619	0.067998	0.0690348	0.0218306	0.988467	1
Ptbp2_j5	3.60415	5.90083	0	1	1
Ptbp2	8.22321	6.53565	0	1	1
Ptbp2	12.8689	11.5387	0	1	1
XLOC_021623	0.161798	0.0935368	-0.790587	0.235824	0.583087
Rwdd3_j5	0.244006	0 -1.79769e+308	0.0003012	0.0003012	0.0053603
Rwdd3_j6	0.368847	0.295704	-0.318869	0.613326	0.847491
Rwdd3	0.688852	0.451284	-0.610159	0.166994	0.503276
Tmem56	10.3659	6.87353	0	1	1
Tmem56	1.26335	0.317762	0	1	1
Abcd3_j2	0.202542	0.210555	0	1	1
Fnbp1l_j7	2.0889	2.93273	0	1	1
Fnbp1l_j5	1.80399	1.62013	0	1	1
Fnbp1l	1.55605	1.70399	0	1	1
AK016661_j1	4.59287	7.5315	0.713542	0.0105855	0.089165
Usp53_j4	0.0799044	0 -1.79769e+308	0.0002385	0.0002385	1
Usp53	0.278771	0.137033	-1.02456	0.0263982	0.170737
Mettl14_j2	0.545753	0.792622	0.538386	0.162153	0.497486
Mettl14	7.16405	7.19856	0.00693239	0.95648	0.987617
BC096391	2.6235	2.71814	0.0511276	0.772834	0.922935
Ndst3_j4	0.69414	0.558196	0	1	1
Ndst3_j5	1.73276	1.26233	0	1	1
Ndst3	0.250158	0.0226656	0	1	1
XLOC_021641	0.269298	0.114679	-1.2316	0.132149	0.452308
Ugt8a	0.954504	0.971595	0.0256039	0.886964	0.964085
Ank2_j2	0.164665	0.0459875	0	1	1
Larp7_j2	0.62172	0.159187	-1.96554	0.0038821	0.0420187
Ap1ar_j6	5.02142	17.7276	0	1	1

Ap1ar_j2	26.7334	19.2168	0	1	1
Gm9387	2.63991	2.27893	-0.212133	0.34417	0.683975
Enpep_j2	1.18845	0.792654	-0.584319	0.238516	0.585436
Enpep	0.906585	0.470518	-0.946193	0.0012075	0.0166308
Egf_j3	0.100482	0.0366956	-1.45326	0.206677	1
Gar1_j1	2.60758	3.0868	0.243398	0.347959	0.686605
Gar1	3.34925	3.5928	0.101268	0.663068	0.872404
Ccdc109b	10.0982	11.9135	0.238501	0.0723087	0.323616
Sec24b_j2	4.47247	5.83865	0	1	1
Sec24b	5.46769	4.6047	0	1	1
Ostc	45.5046	45.8176	0.00988989	0.921667	0.975486
Rpl34_j4	0.641544	0.753402	0.231872	0.712296	0.895662
Hadh	22.3016	24.2063	0.118236	0.246776	0.594321
Cyp2u1_j1	0.537355	0.56269	0.0664636	0.824187	0.943114
Cyp2u1	1.7382	1.24088	-0.486228	0.0130662	0.10448
Cyp2u1_j2	0.396203	0.0852211	-2.21696	0.0239581	0.159576
Cyp2u1_j4	1.16788	1.12505	-0.0539081	0.844994	0.950963
Sgms2_j1	3.61143	2.76068	0	1	1
Sgms2_j2	0.988116	0.639717	0	1	1
Aimp1_j1	24.5589	25.7504	0.0683507	0.561709	0.821809
Aimp1	8.49299	10.0059	0.236502	0.134595	0.4566
Gstcd	0.838033	0.948123	0	1	1
Tet2_j1	0.505896	0.425772	0	1	1
Tet2	0.296087	0.166721	0	1	1
Cisd2	2.86672	2.95951	0.0459586	0.782344	0.926474
Nfkb1	2.48358	0.309893	-3.00258	8.88E-15	1.68E-12
Dapp1_j1	0.0873051	0.124407	0.510925	0.550912	1
Gm5105_j1	0.158335	0.100289	-0.658813	0.221634	0.568841
Metap1	16.3221	15.8897	0	1	1
Rap1gds1	97.1452	103.575	0	1	1
Rap1gds1_j1	0.0823259	0.172019	0	1	1
Pdlim5_j3	4.47874	4.299	0	1	1
Pdlim5_j2	1.51491	0.846958	0	1	1
Pkn2_j3	2.27081	2.56027	0.173087	0.400761	0.724158
Pkn2	2.86177	2.68992	-0.0893437	0.511739	0.79169
XLOC_021687	0.398318	0.108654	-1.87418	0.0535862	0.269557
Lmo4	13.7368	14.4033	0.0683574	0.621887	0.851999
Lmo4	6.61557	6.68914	0.015955	0.91878	0.974658
Hs2st1	10.0042	10.9485	0.130128	0.177967	0.517317
Sh3glb1_j1	16.3697	20.6161	0	1	1
Sh3glb1_j2	1.55268	2.07672	0	1	1
Sh3glb1	0.00648969	0.242399	0	1	1
Sh3glb1	3.61343	4.20814	0	1	1
Cyr61	0.526768	0.447393	-0.235623	0.549788	0.814949
Spata1_j2	0.810467	0.362374	-1.16127	0.0034594	0.0385782
Rpf1	1.00134	1.17802	0.234436	0.241356	0.588455
Prkacb	7.17926	4.57794	0	1	1

Prkacb_j1	30.1382	26.6782	0	1	1
Prkacb	25.3747	19.3013	0	1	1
Prkacb	8.60007	6.86523	0	1	1
Gm10288	263.296	293.265	0.155517	0.0731018	0.325521
Lphn2_j7	1.22336	1.58469	0.373349	0.218677	0.564944
Lphn2_j8	1.03548	0.552827	-0.905396	0.0013105	0.017754
Lphn2_j9	0.348287	0.214861	-0.696875	0.0942532	0.378356
Lphn2_j10	0.152991	0.0448139	-1.77143	0.0347601	0.204791
Rpsa-ps10	115.387	139.547	0	1	1
Ifi44_j4	0.0718958	0.0515337	-0.48039	0.730088	1
Ptgfr	0.457109	0.247844	-0.883104	0.0007122	0.010879
Gipc2_j1	0.148122	0.011562	-3.67932	0.0616557	0.293515
Semcap2	0.114343	0.0385137	-1.56993	0.161562	1
Dnajb4	15.9381	12.9939	0	1	1
Dnajb4_j5	0.492065	0	0	1	1
Nexn_j4	0.289247	0.307139	0	1	1
Nexn_j3	2.88792	2.49314	0	1	1
Fam73a	13.4003	11.65	0	1	1
Ak5	0.47284	0.430222	0	1	1
Ak5_j3	9.31949	5.36075	0	1	1
St6galnac5	2.79391	2.34857	0	1	1
St6galnac3_j5	0.3977	0.373796	-0.0894308	0.74791	0.912311
St6galnac3	0.569943	0.306678	-0.894091	0.0022148	0.0270289
Rabggtb	2.6944	2.5756	-0.0650565	0.805354	0.935633
Rabggtb	25.9415	26.2237	0.0156063	0.884496	0.963396
Acadm_j1	1.07045	0.71795	-0.576257	0.277026	0.626093
Acadm	15.8497	13.7378	-0.20631	0.0632967	0.298383
Fpgt_j2	2.43963	2.30503	0	1	1
Fpgt_j3	0.981187	0.274729	0	1	1
Fpgt	3.90652	3.81502	0	1	1
AK016265_j1	0.12071	0.0474834	-1.34605	0.199173	1
BC048612	0.141614	0.204517	0.530255	0.561323	0.821749
AK076987_j1	0.352287	0.376178	0.0946617	0.885863	0.963769
Srsf11_j4	5.43625	4.24489	0	1	1
Srsf11	8.57965	8.43577	0	1	1
Fabp5_j2	27.1035	31.3098	0	1	1
Raly1_j7	7.4497	5.3926	-0.466202	0.0588886	0.285332
E2f5_j1	2.46404	2.15144	0	1	1
Car3_j2	0.137965	0.425143	1.62365	0.0388231	0.219672
Ythdf3_j1	0	0.133893	1.79769e+308	0.0225348	1
2610100L16Rik_j3	0.0824614	0.120641	0.548934	0.62317	1
Dnajc5b_j2	0.227043	0.259	0.189988	0.833406	0.946357
Dnajc5b_j4	0	0.0536674	1.79769e+308	0.137229	1
Cp	3.42515	3.53448	0	1	1
XLOC_020778	0.0911346	0.05891	-0.629488	0.756708	1
Pld1_j5	0.453427	0.270365	-0.745962	0.0624677	0.295763
Pld1_j8	1.56502	1.7262	0.14142	0.576777	0.829176

Tnik_j1	8.07224	15.7155	0	1	1
Rpl22l1_j5	2.44579	3.20153	0.388463	0.212647	0.557702
Egfem1_j6	0.279132	0 -1.79769e+308		1.11E-05	0.0003383
Egfem1_j13	0.111308	0 -1.79769e+308		0.0064897	1
Gpr160_j4	0.110421	5.37E-05	-11.0054	0.962784	1
Gpr160_j8	0.0690763	0 -1.79769e+308		0.0388153	1
Gpr160_j12	0.0792957	0.07306	-0.118161	0.926027	1
Prkci_j1	6.3442	6.14824	0	1	1
AK162138_j2	0.0816939	0.0924852	0	1	1
Pik3ca_j3	1.47946	1.8863	0.350485	0.103127	0.398042
Zfp639_j2	3.15771	4.52712	0	1	1
Mfn1	7.12993	7.33417	0	1	1
XLOC_020802	0.0840663	0.102884	0.291421	0.739565	1
Ndufb5_j1	70.9133	61.9261	0	1	1
Usp13_j2	3.31772	3.82468	0	1	1
Ttc14_j2	0.076789	0.478066	2.63824	4.15E-11	4.55E-09
XLOC_020809	0.112743	0.06622	-0.7677	0.395494	1
Fxr1_j3	12.0965	16.7481	0	1	1
Sox2ot_j3	0.583099	0.461908	-0.336134	0.37714	0.708986
Atp11b_j9	2.76568	2.37188	-0.221603	0.211116	0.555924
4932438A13Rik_j6	0.218773	0.228228	0.0610448	0.935441	0.980308
4932438A13Rik_j9	0.373998	0.25633	-0.545028	0.351596	0.688851
Spata5_j4	0.316012	0.228899	-0.465264	0.488873	0.779314
Spata5_j3	0.150962	0.231326	0.615748	0.353283	0.689807
Spata5	2.0898	2.44926	0.228983	0.213942	0.5592
Fat4_j1	1.03894	1.07113	0.0440095	0.818167	0.941026
Intu_j1	0.0830899	0.226709	1.4481	0.158832	0.49326
AK009813	0.0335184	0.0603458	0	1	1
3110057O12Rik	0.600197	0.864811	0.526948	0.321015	0.664122
Phf17_j2	0.915145	1.09895	0	1	1
Phf17_j3	0.467114	0.314891	0	1	1
Phf17_j5	0.0576236	0.303945	0	1	1
Pcdh10_j2	1.1413	1.95483	0	1	1
Naa15_j2	0.727277	1.04614	0	1	1
XLOC_020844	0.196015	0.0901614	-1.12038	0.231284	0.578377
Mgst2_j3	0.0430301	0.174721	2.02163	0.113804	0.419484
2810046L04Rik_j1	0.944396	0.529777	-0.834008	0.0086419	0.0769123
Trpc4_j2	0.495927	0.513036	0.0489318	0.885511	0.963679
Trpc4_j1	0.00151675	0.108868	6.16546	0.308088	1
Fam48a_j2	1.66768	1.1391	-0.54995	0.0338886	0.201508
Eif2a	2.23301	2.11844	0	1	1
Eif2a_j2	0.394177	0.652826	0	1	1
Gm8234	0.0523781	0 -1.79769e+308		0.0568059	1
Med12l_j8	0.0840196	0.0292079	-1.52437	0.289336	1
Med12l_j9	0	0.315942	1.79769e+308	0.0001567	0.0031299
Med12l_j10	0.445336	0.0991449	-2.16728	0.0151759	0.115892
Med12l_j11	3.45427	3.0429	-0.182933	0.175576	0.514069

Mbnl1_j7	2.33795	2.55595	0.128618	0.649713	0.86543
Mbnl1_j6	3.76305	2.78481	-0.434322	0.0454977	0.244196
Mbnl1_j10	2.24985	1.71569	-0.391037	0.210847	0.555568
Mbnl1_j12	4.70278	4.08374	-0.203625	0.323127	0.666115
P2ry1_j1	2.99408	1.79134	0	1	1
P2ry1	1.17132	1.02532	0	1	1
P2ry1	2.55745	1.88904	0	1	1
Lekr1_j1	0	0.154066	1.79769e+308	0.0094346	1
Smc4	0.358159	0.311719	0	1	1
Ppm1_j2	0	0.0752276	0	1	1
Serpini1_j2	42.6658	37.8299	-0.173554	0.0775469	0.337104
Fstl5_j1	2.47483	1.75871	0	1	1
Fam198b	0.721459	0.588631	0	1	1
Mtap9_j3	7.63771	7.73365	0	1	1
Tmem154_j2	0.130487	0.0526315	-1.3099	0.236288	1
Tmem154_j3	0	0.125309	1.79769e+308	0.0145816	1
Fbxw7_j3	5.69771	7.30094	0	1	1
Sh3d19_j2	3.14336	3.77118	0	1	1
Sh3d19_j5	0.58639	0.414395	0	1	1
Lba	0.158269	0.14054	-0.171397	0.851846	0.952976
Lrba_j9	0.0752492	0.0712386	-0.0790171	0.952041	1
Lrba_j10	0.268794	0.116016	-1.21217	0.159027	0.493518
Arhgef11_j4	6.63202	6.45291	0	1	1
Arhgef11_j12	3.80669	7.43477	0	1	1
Insrr_j6	0.36245	0.449843	0.311638	0.574831	0.828142
Hdgf	1.57632	1.38802	0	1	1
Nes_j1	0.935181	1.17684	0	1	1
Iqgap3_j1	0.0902384	0	-1.79769e+308	0.0004436	1
Iqgap3_j4	0.286825	0.159456	-0.847009	0.138132	0.462105
Mef2d_j4	4.02433	3.73134	0	1	1
Mef2d_j6	4.50122	2.85404	0	1	1
Smg5_j3	15.0591	15.746	0	1	1
Paqr6	5.51706	4.80757	0	1	1
Paqr6_j7	2.56228	3.03851	0	1	1
Ubqln4_j1	0.356664	0.601685	0	1	1
Arhgef2_j1	0.170672	0.0975311	0	1	1
Arhgef2	0	0.077366	0	1	1
2810403A07Rik	5.8975	5.41013	0	1	1
Fam189b_j1	103.581	107.54	0	1	1
Muc1_j1	0	0.0612216	1.79769e+308	0.164193	1
Krtcap2	12.4093	14.9388	0.267638	0.0689339	0.314786
Krtcap2_j1	41.6632	48.9114	0.231398	0.091598	0.371965
Dpm3_j1	1.46037	2.32797	0.672744	0.0525905	0.266364
Shc1_j1	1.16081	1.2646	0.123552	0.593269	0.83794
Shc1_j10	1.23235	1.12556	-0.130763	0.619368	0.850656
Adar	3.63392	3.89386	0.0996742	0.398576	0.722606
Dennd4b	5.8794	5.58178	-0.0749446	0.500314	0.785042

Gatad2b_j2	1.25481	1.07391	-0.224606	0.278453	0.627426
S100a13	19.4909	22.4215	0.202082	0.106761	0.405895
S100a2_j1	0.0597991	0 -1.79769e+308		0.104629	1
S100a3	0.100404	0.281853	1.48913	0.302152	0.648301
S100a4_j1	5.44527	7.70659	0	1	1
S100a5	0.127952	0 -1.79769e+308		0.039572	1
S100a6_j2	314.068	525.022	0.741301	0	0
S100a8	13.0207	4.93174	-1.40063	3.77E-08	2.29E-06
Rorc_j1	0.148579	0.242149	0.704665	0.285677	0.634462
Rorc_j3	0.20676	0.100959	-1.03418	0.309891	0.654446
Tdrkh_j1	0.107486	0.0642381	0	1	1
Tdrkh_j4	7.14763	7.60201	0	1	1
Selenbp2_j1	0.451555	0.683451	0	1	1
Pogz_j1	0.190762	0.639018	0	1	1
Pogz_j8	3.18007	3.28148	0	1	1
Rfx5_j3	0.436049	0.388397	-0.166958	0.642949	0.862213
Pi4kb_j1	2.59955	2.33521	-0.154713	0.29977	0.64635
Pi4kb_j4	1.60083	2.34729	0.552175	0.001673	0.0216419
Sema6c_j1	0.226704	0.530537	0	1	1
Sema6c_j7	0.827466	0.356902	0	1	1
Fam63a_j3	5.0306	5.24348	0	1	1
Fam63a	14.3925	14.6359	0	1	1
Ctss_j1	0.359371	0.48553	0.434087	0.533518	0.805159
Anp32e	0.909003	1.3431	0.563205	0.0446396	0.241238
Sf3b4_j5	0.477836	0.391198	0	1	1
Sv2a_j2	1.24843	0.904186	0	1	1
Sv2a_j3	6.8615	6.3919	0	1	1
Rbm8a	2.21727	3.1724	0	1	1
Itga10_j7	0.15864	0.0519345	-1.61099	0.389109	0.716374
Ankrd35	0	0.243285 1.79769e+308		0.0002041	0.0039027
Pias3	6.13303	6.28358	0.0349863	0.792822	0.931005
XLOC_021040	0.154183	0.111409	-0.468774	0.562354	0.822121
Fmo5	0.0618553	0 -1.79769e+308		0.0026586	1
Gm5544_j1	0.289472	0.576442	0.993754	0.0551666	0.274103
Csde1_j2	15.7803	16.7424	0	1	1
Nras_j1	13.4693	17.0779	0.342455	0.0008583	0.0126504
Syt6	2.54576	1.79286	0	1	1
Syt6_j5	1.18148	1.70731	0	1	1
Syt6_j8	2.27697	1.86473	0	1	1
Rsb1	2.60523	1.99275	0	1	1
Phtf1_j10	0.37983	0.328659	0	1	1
Slc16a1_j2	4.33699	5.12182	0	1	1
Ppm1j_j1	10.1653	13.3146	0	1	1
Ppm1j_j5	4.44029	4.37833	0	1	1
Ppm1j_j8	17.5255	18.6846	0	1	1
Rhoc_j4	1.76368	6.72292	0	1	1
Slc16a4_j2	0.369348	0.09915	-1.8973	0.0462429	0.246485

Gstm5	8.40623	8.27637	-0.02246	0.815792	0.940076
Psm5_j5	0.713309	1.26841	0.830425	0.201582	0.54514
Sort1	1.76913	1.66965	0	1	1
Sort1	1.99086	1.61332	0	1	1
Taf13_j1	24.3343	26.9019	0.144714	0.169548	0.506525
Slc25a24_j1	0.990541	1.72754	0.802431	0.0036894	0.0405456
Extl2	7.90289	4.32176	0	1	1
Dbt_j1	0.0833155	0.0549506	-0.600449	0.590236	1
Sass6	1.37427	1.12552	0	1	1
AK076759_j2	0.383899	0.399741	0	1	1
XLOC_021122	0.378734	0.506851	0	1	1
XLOC_021122	0.125027	0.148204	0	1	1
Dpyd	2.36787	2.4826	0.0682638	0.646748	0.863884
Arhgap29_j3	0.301136	0.0312286	0	1	1
Arhgap29_j6	0.768072	1.04391	0	1	1
Prss12_j2	6.37617	11.4654	0.846525	2.95E-05	0.0007625
Cfi_j2	0.177549	0.25046	0.49636	0.419197	0.735872
Casp6	1.47973	2.16701	0.55037	0.0037901	0.0413077
Lef1_j2	0.196949	0.18084	-0.123109	0.829212	0.944898
Tbck_j1	1.00564	1.1084	0	1	1
Ppa2_j3	15.2223	15.2033	0	1	1
Ppa2_j6	6.44333	4.73957	0	1	1
XLOC_021160	0.0781918	0.0264358	-1.56452	0.595638	1
Bdh2	0.313803	0.0288416	-3.44364	0.0518154	0.263999
Ube2d2b_j7	64.8396	67.6071	0.0602983	0.48939	0.779561
Manba_j5	1.2192	1.3373	0.133387	0.651482	0.866264
Ppp3ca_j8	0	0.0973887	0	1	1
XLOC_021173	0.460101	0.271694	-0.759969	0.452465	0.757592
Emcn_j1	0.275144	0.199099	-0.466701	0.605943	0.844806
XLOC_021177	0.158104	0.133999	-0.238656	0.785337	0.928086
Mapksp1_j11	0.692661	0.646423	-0.0996689	0.773149	0.923046
Rg9mtd2_j2	2.62084	2.63732	0	1	1
Adh7	0.179754	0.509874	1.50412	0.0005739	0.0091439
Tspan5_j3	7.1191	8.61056	0	1	1
Unc5c_j2	0.180903	0 -1.79769e+308	0.0002672	0.0002672	0.0048656
Gbp3_j3	1.17797	1.57805	0	1	1
Gbp1_j1	0.825488	0.859779	0.058718	0.876574	0.960772
XLOC_021191	0.0614353	0 -1.79769e+308	0.116952	0.116952	1
Odf2l_j3	0.0494656	0.0338526	-0.547159	0.721466	1
Col24a1_j11	0.323349	0.134815	0	1	1
Col24a1_j12	4.83769	6.38663	0	1	1
Ddah1_j2	5.26524	6.64016	0	1	1
Bcl10_j1	0.842215	0.97381	0.209452	0.615411	0.848303
2410004B18Rik_j3	0.117507	0.346676	1.56084	0.222595	0.569566
Mcoln2_j6	0.143286	0.176522	0.300949	0.665401	0.873092
Mcoln2_j8	0.0719988	0.228759	1.66779	0.120936	0.433073
Mcoln2_j9	0	0.115481 1.79769e+308	0.0877998	0.0877998	1

Ssx2ip	4.10484	9.61026	0	1	1
Ctbs_j2	0.0680071	0.0242478	-1.48783	0.275318	1
Elt1d1_j1	0.402102	0.449805	0	1	1
Fubp1	4.08082	4.53329	0	1	1
Fubp1_j11	1.08205	0.461614	0	1	1
Fubp1_j10	1.31718	0.618217	0	1	1
Usp33_j1	0.186396	0.174871	0	1	1
Zzz3_j1	0.379675	0.348314	0	1	1
Zzz3_j4	1.69683	1.27583	0	1	1
XLOC_021218	0.255731	0.0948704	-1.4306	0.0809671	0.346426
XLOC_021218	0.121408	0.179024	0.560288	0.63761	0.859668
Pigk_j2	3.7244	1.47197	-1.33926	3.37E-06	0.0001202
Gm3076	1.39508	1.39409	-0.00102556	0.997819	0.999228
Cryz	1.87863	1.6368	-0.198804	0.366598	0.700205
Cryz_j2	0.244651	0.213378	-0.197319	0.774721	0.923737
4922501L14Rik_j8	0.0746234	0	0	1	1
Lrriq3_j4	0.220392	0.0516132	-2.09426	0.0826191	0.350326
Lrrc40_j1	3.66542	3.71234	0	1	1
Lrrc40	0.54502	0.429497	0	1	1
AK012506	0.228185	0.129746	-0.814513	0.408794	0.729001
Il7_j7	0.145761	0.218758	0.585735	0.476439	0.77213
Tpd52_j1	1.27912	1.21016	0	1	1
XLOC_021248	0.212689	0.198908	-0.096644	0.854984	0.954077
Fabp4	0.627066	0.156278	-2.0045	0.0054635	0.0542882
Zfand1_j8	0.0486163	0.120255	1.30659	0.415425	1
1810022K09Rik_j3	0.934649	0.99094	0	1	1
Armc1_j3	1.00222	0.885014	-0.179423	0.628636	0.855546
Armc1_j4	0.102751	0 -1.79769e+308		0.0113	1
Armc1_j2	0.0270246	0.0601684	1.15474	0.46603	1
Pde7a_j1	0.271113	0.0592515	-2.19397	0.0013738	0.0184472
Hps3_j4	0.732216	0.686392	0	1	1
Gyg_j4	0.233118	0.329779	0	1	1
Cpb1_j1	0.18152	0.319481	0.815601	0.216979	0.563119
Agtr1b_j1	1.83233	1.60217	-0.193653	0.470582	0.768381
Fndc3b_j5	0.555934	0.590011	0	1	1
AK007174_j1	0.0178348	0.0827599	2.21424	0.392421	1
Mecom_j1	0.12597	0.0864598	-0.542973	0.529301	1
Arpm1	0.119368	0.127437	0.0943746	0.876356	1
Phc3_j1	0.238296	0.194553	0	1	1
Zmat3_j1	8.31981	4.59787	0	1	1
Zmat3_j2	0.045644	0.0668528	0	1	1
Mrpl47	1.42496	1.36389	0	1	1
Pex5l_j1	1.86466	0.961135	-0.956098	2.93E-07	1.40E-05
Pex5l_j2	1.66798	1.21025	-0.462801	0.0088789	0.0783943
Dcun1d1_j1	4.59949	3.46261	-0.409615	0.324641	0.667642
Mccc1_j1	4.94127	6.23686	0.335937	0.0196099	0.13906
Mccc1_j3	2.00439	2.43171	0.278805	0.0633033	0.298385

Qrfpr_j1	0.279718	0.799041	1.5143	0.0081321	0.0735052
Anxa5_j3	3.96184	4.38002	0	1	1
AK043581_j2	1.34901	1.9958	0	1	1
Trpc3_j7	11.9232	12.2817	0	1	1
Nudt6_j2	1.71263	2.44878	0.515843	0.106855	0.406092
Nudt6	2.12824	1.96153	-0.117685	0.669661	0.874991
Ankrd50_j3	0.73	1.00161	0	1	1
AK012035_j2	0.295394	0.325635	0.140615	0.798091	0.932954
AK012035_j7	0	0.233643	1.79769e+308	0.0297313	0.184675
Elf2	1.00563	0.869599	0	1	1
Elf2_j1	0.419511	0.113986	0	1	1
Ndufc1	10.2739	12.7546	0	1	1
Maml3_j3	0.122648	0.19816	0	1	1
Exosc8	3.23265	3.49509	0.112611	0.422186	0.738253
Tm4sf1_j3	5.0143	8.33032	0.732322	0.0004435	0.0073634
Clrn1	0.624221	0.473009	0	1	1
P2ry12_j4	1.05073	0.868138	0	1	1
Gpr149_j2	3.03264	1.834	0	1	1
Ssr3_j1	0.22685	0	0	1	1
Lxn_j2	121.656	138.651	0.188649	0.039006	0.220297
XLOC_021380	0.142901	0.0879652	-0.700006	0.649585	0.865374
XLOC_021380	0.139432	0.17726	0.346308	0.810683	0.937953
Ift80	0.511713	0.527783	0	1	1
snoU90	0.64444	0.418157	0	1	1
Rpl32-ps	1.43586	1.64508	0.19625	0.585222	0.833935
1110032A04Rik_j2	0.0934262	0	-1.79769e+308	0.0106072	1
1110032A04Rik_j1	0	0.0487282	1.79769e+308	0.101094	1
Slitrk3_j4	1.38591	0.706148	-0.972796	3.38E-05	0.0008576
Slitrk3_j2	0.121465	0	-1.79769e+308	4.97E-06	1
Slitrk3	0.000210788	0.107948	9.00034	0.525001	1
Pdcd10_j2	0.333108	0.308234	-0.111964	0.812029	0.938348
Pdcd10_j7	0.956576	1.12733	0.23696	0.647763	0.86433
Pdcd10_j9	9.34481	7.6419	-0.290233	0.32603	0.669299
Golim4_j1	0.0789332	0.059592	-0.405513	0.701793	1
Rapgef2_j3	4.51102	3.80314	0	1	1
Fnip2_j3	0.0197258	0.176533	0	1	1
Gria2_j12	1.22929	0.831317	-0.564351	0.0604397	0.289793
Glrb	9.20505	5.27041	0	1	1
Gucy1a3_j2	0.141572	0.0230437	-2.61909	0.0398623	0.223368
Npy2r_j3	0.437162	0.39599	0	1	1
D930015E06Rik_j1	0.604471	0.854455	0.499331	0.0751095	0.33088
Mnd1_j3	0.339682	0.19745	-0.782696	0.47142	0.768965
Trim2_j1	11.534	8.84603	0	1	1
Fhdc1	1.32666	1.2172	0	1	1
Arfip1_j1	1.62494	2.45705	0	1	1
Arfip1_j3	0.806417	0.367566	0	1	1
Arfip1_j2	6.43113	5.42552	0	1	1

Rps3a_j2	6.20622	6.01849	-0.0443119	0.746028	0.911565
Rps3a_j9	0	0.846246	1.79769e+308	1.38E-07	7.15E-06
Fclrs_j1	1.05452	4.35128	2.04485	0	0
Pear1_j1	0.0723061	0.112477	0	1	1
Ntrk1_j2	24.2811	35.7424	0	1	1
Bcan_j5	10.3218	7.5991	0	1	1
Hapln2_j1	0.114074	0.0654921	0	1	1
AK008852	0.526924	0.665655	0	1	1
1700021C14Rik_j1	0.71897	0.744459	0.0502621	0.948152	0.984981
1700021C14Rik	1.40697	1.28619	-0.129481	0.715342	0.897128
Tmem79	4.82534	2.38271	0	1	1
Sema4a	0.354709	0.374445	0	1	1
Robld3_j2	38.2749	37.4296	-0.0322207	0.862605	0.956533
Syt11	122.697	121.09	0	1	1
Dap3_j1	0	0.224775	1.79769e+308	0.0215549	0.148387
Rusc1_j3	2.71719	0	0	1	1
Fdps_j2	41.8602	52.0537	0.314421	0.0073515	0.0683123
Hcn3_j1	0.651853	0.71772	0	1	1
Hcn3_j3	2.80077	3.81961	0	1	1
Mtx1_j2	6.82233	7.64869	0	1	1
Adam15_j1	0.135797	0.0655085	0	1	1
Atp8b2_j5	7.03301	4.67803	0	1	1
Ubp2l_j5	2.27649	2.17516	0	1	1
Ubp2l	4.72495	4.39993	0	1	1
Ints3_j4	1.84566	1.69495	0	1	1
Ints3	7.95686	8.57369	0	1	1
Npr1_j8	0.714041	0.639392	-0.159306	0.744573	0.910838
2500003M10Rik_j2	6.62606	7.66782	0.210665	0.27765	0.626539
2500003M10Rik_j3	0	0.0633675	1.79769e+308	0.0365933	1
S100a1	4.36851	5.11321	0.227087	0.0877298	0.362594
Prr9	0.0298244	0.209757	2.81416	0.0004779	0.0078385
Oaz3_j1	1.01964	1.03942	0	1	1
Tuft1_j1	0.121988	0.0758486	0	1	1
Tuft1_j2	0.514402	0.656329	0	1	1
Zfp687_j7	0.184118	0.250251	0.442745	0.244974	0.592383
Psm4_j4	57.1683	63.2178	0	1	1
Pip5k1a_j2	0.0961221	0.0931674	0	1	1
Pip5k1a_j4	1.12936	0.718445	0	1	1
Mllt11_j1	0.525059	0.728665	0	1	1
Prune_j2	8.11232	7.55252	0	1	1
Anxa9_j2	5.21893	5.7649	0	1	1
Setdb1_j3	6.56439	9.21331	0	1	1
Setdb1	0.0543039	0.0345712	0	1	1
Tars2_j6	3.89303	4.88568	0.327666	0.0110634	0.092346
Gm129_j3	0.108552	0.17605	0.697595	0.605712	0.844635
Vps45_j2	0.625702	0.77571	0.310042	0.740065	0.908917
Polr3c_j1	0.302236	0.358874	0	1	1

Bcl9_j8	0.248824	0.909131	0	1	1
Pde4dip_j1	0	0.672209	0	1	1
Pde4dip_j2	3.74979	3.27213	0	1	1
Pde4dip	1.10239	1.32565	0	1	1
Phgdh_j2	1.61168	1.48366	0	1	1
Phgdh_j4	1.18208	1.16994	0	1	1
Atp1a1_j4	157.509	126.264	0	1	1
2410057H14Rik	0.10551	0.178196	0	1	1
2410057H14Rik_j1	0.202191	0.139609	0	1	1
Lrig2_j5	0.436344	0.272061	-0.681535	0.0501294	0.258726
Fam19a3_j1	0.103128	0.0486389	0	1	1
Mov10_j3	0.13741	0	0	1	1
Mov10	0.164353	0.00325734	0	1	1
Capza1_j3	31.0672	33.6604	0.115662	0.212861	0.557744
AK018929_j2	0.0929863	0	-1.79769e+308	0.100164	1
AK018929_j3	0.170929	0.141516	-0.272427	0.782324	0.926474
Rap1a_j1	5.51222	4.93314	-0.160128	0.208312	0.552336
Rap1a_j6	0.761779	0.732745	-0.0560615	0.931322	0.979067
Atp5f1_j4	25.5914	26.4809	0	1	1
Kcnc4	2.72239	2.04199	-0.414898	0.0275158	0.175523
Kcnc4_j1	2.19481	2.26683	0.0465853	0.802642	0.934384
Fam40a_j5	1.01463	0.834744	-0.281547	0.516519	0.795093
Csf1_j3	1.80062	8.79539	0	1	1
Gstm1	0.789009	0.618031	-0.352361	0.473531	0.770096
Ampd2_j3	0.396489	0.289536	0	1	1
Gnai3_j5	0.0863251	0.0356589	0	1	1
Gpr61	3.24229	3.03738	0	1	1
Cyb561d1_j1	0.0515729	0.0191986	0	1	1
Atxn7l2_j7	0.563214	1.07659	0	1	1
Celsr2_j5	2.8886	2.92375	0.0174479	0.893786	0.966325
5330417C22Rik_j5	0.0815172	0	-1.79769e+308	0.0827334	1
Stxbp3a_j3	3.17711	2.89464	-0.134329	0.634211	0.858133
Prpf38b_j4	0.975463	2.58925	0	1	1
Ntng1_j7	0.000348793	0.109439	0	1	1
Rnpc3_j8	2.0324	2.03693	0	1	1
A930005H10Rik	2.59196	2.41371	-0.10279	0.680383	0.879921
Cdc14a_j5	0.145373	0.263537	0.858242	0.414668	0.732858
Rtcd1_j1	37.3164	30.5952	-0.286505	0.047542	0.250343
Slc35a3_j6	0.873107	0.741264	-0.236172	0.688082	0.884102
Slc35a3_j7	0.242016	0.1134	-1.09369	0.346	0.685212
Palmd_j5	5.76638	5.25852	0	1	1
XLOC_021619	0.167964	2.73E-05	-12.585	0.981224	0.994152
Abcd3_j4	15.1732	14.4283	0	1	1
Usp53_j5	0.779607	0.927394	0.250435	0.314183	0.658401
Usp53	0.207525	0.420226	1.01788	0.0655323	0.305143
Mettl14_j1	1.69623	0.93974	-0.851997	0.0158514	0.119478
Ndst3_j3	1.09296	1.23061	0	1	1

Ank2_j6	0.093145	0.0912443	0	1	1
Ank2_j7	0.116516	0.0179585	0	1	1
Larp7	6.82151	7.2181	0.0815288	0.540909	0.809097
Alpk1	0.546215	0.393159	0	1	1
Alpk1_j7	0.151564	0.194612	0	1	1
Alpk1_j12	0.075621	0.108389	0	1	1
5730508B09Rik	1.15289	1.34218	0.219331	0.456337	0.759792
5730508B09Rik	2.15628	1.52372	-0.500943	0.0434114	0.236471
Rpl34	1.14626	1.12543	-0.0264606	0.928822	0.978142
Gstcd_j1	0.0777455	0.0789711	0	1	1
Gstcd_j2	0.107531	0.0766822	0	1	1
Bank1_j1	0.486884	0.623668	0.357201	0.351156	0.688314
Metap1_j1	0.514065	0.591662	0	1	1
Metap1_j2	6.67119	8.56442	0	1	1
Bmpr1b_j9	0.0924889	0.312937	1.75852	0.0046427	0.0479821
Pdlim5_j5	0.513679	0.913355	0	1	1
Pdlim5_j6	2.36427	2.64749	0	1	1
Hs2st1_j1	0.627869	0.757345	0.270487	0.319575	0.662889
Sh3glb1_j5	5.396	7.14551	0	1	1
Spata1_j1	0.099143	0.122555	0.305846	0.763504	1
Rpf1_j2	5.06537	5.05678	-0.00244741	0.989702	0.996781
Gipc2_j3	0.65815	0.70521	0.0996374	1	1
Nexn_j2	0.474703	0.428096	0	1	1
Fam73a_j1	0.0577331	0.14383	0	1	1
Ak5_j2	9.27813	5.85839	0	1	1
St6galnac3_j4	0.0603171	0.225447	1.90215	0.0001051	0.0022488
Tnni3k_j1	0.14058	0.0333447	-2.07587	0.311596	0.656252
Srsf11_j1	8.92538	9.03753	0	1	1
Lrrc7_j2	0.0835096	0.100959	0.273753	0.84215	1
Zbtb10_j1	0.0795419	8.82E-05	-9.81617	0.808082	1
XLOC_020752	0.175623	0.120512	-0.543308	0.331798	0.67329
Raly1_j2	1.47132	1.25937	-0.224416	0.476468	0.772134
Raly1_j3	0.448062	0.0388865	-3.52636	0.0182453	0.132224
Raly1_j9	0.140152	0 -1.79769e+308	0.0666003	0.0666003	0.308319
Car13_j3	0.624508	0.31069	0	1	1
XLOC_020763	0.106815	0.0527528	-1.01779	0.417846	1
XLOC_020764	0.266991	0.0405541	-2.71887	0.227079	0.574277
Cp	0.567461	0.812324	0	1	1
Hltf_j1	0.531859	0.285889	-0.895586	0.0227047	0.153825
Hltf	0.124343	0.525914	2.0805	4.87E-06	0.0001652
XLOC_020778	0.0873619	0.0853251	-0.0340345	0.969776	1
XLOC_020778	0.285891	0 -1.79769e+308	0.0221982	0.0221982	0.151467
Tbl1xr1	1.5743	1.58292	0	1	1
Tbl1xr1_j3	0.174781	0	0	1	1
Pld1_j2	0.212188	0.0844962	-1.32839	0.0435801	0.237208
Tnik_j3	0.396493	0.591208	0	1	1
XLOC_020790	0.0985175	0.0748206	-0.396944	0.594335	1

Egfem1_j4	0.151062	0.125273	-0.270068	0.789025	0.929615
Egfem1_j5	0.849032	0	-1.79769e+308	5.48E-07	2.45E-05
Egfem1_j10	0.534217	0.397056	-0.428082	0.328694	0.671184
Gpr160_j1	0.158678	0.298361	0.910957	0.212298	0.557296
Gpr160_j2	0.241884	0.0970327	-1.31777	0.16892	0.505733
Skil_j3	0.452819	0.350782	-0.36836	0.24343	0.590641
XLOC_020799	0.211863	0.204456	-0.0513423	0.933094	0.979673
XLOC_020800	0.0536468	0.00873397	0	1	1
XLOC_020802	0.135339	0.149384	0.142451	0.860708	1
Actl6a_j1	2.10633	2.39658	0	1	1
Usp13_j6	0.184684	0.0336993	0	1	1
XLOC_020809	0.126447	0.101324	-0.319564	0.693057	1
Sox2ot_j9	0.328266	0.0642756	-2.35252	0.0166089	0.123733
Sox2ot_j10	0.982477	1.48309	0.594112	0.0230388	0.155364
Atp11b_j7	0.777455	0.635952	-0.289841	0.297985	0.64461
4932438A13Rik_j2	0.67088	0.515612	-0.379767	0.0435871	0.237208
4932438A13Rik_j11	2.06305	2.11406	0.0352396	0.822872	0.942847
Bbs12	0.762013	0.0286305	-4.73419	0.0012306	0.0168867
Fat4	0.140056	0.0708265	-0.983642	0.141818	0.468486
Intu_j2	0.223333	0.105848	-1.0772	0.0730991	0.325521
Intu	0.15367	0.152032	-0.0154624	0.973521	0.99239
Hspa4l_j2	13.7388	12.9578	0	1	1
Larp1b_j2	0.50817	0.23976	-1.08372	0.0254254	0.166281
Phf17	0.175425	0.117371	0	1	1
Phf17_j4	0.2084	0	0	1	1
Phf17_j6	0.155609	0.115951	0	1	1
Naa15_j3	1.15001	2.055	0	1	1
Mgst2	0.186456	0.0466725	-1.99819	0.420093	0.736557
Trpc4_j3	0.0544993	0.0205784	-1.40511	0.280694	1
Fam48a_j4	1.49453	0.122092	-3.61366	5.96E-07	2.64E-05
Mbnl1	4.50432	4.18791	-0.10508	0.568984	0.825725
Mbnl1_j1	0.080723	0.0638044	-0.339323	0.822345	1
Mbnl1_j9	2.49612	1.66028	-0.588259	0.0164575	0.12283
Mme_j4	0.517725	0.497303	0	1	1
Kcnab1_j5	0.191132	0.150998	-0.340035	0.792379	0.930832
Lekr1_j3	0.238455	0.160641	-0.569876	0.302637	0.648636
Mlf1_j1	0.921447	1.19712	0.377591	0.524202	0.799783
Fstl5_j3	3.26685	3.38738	0	1	1
Fam198b_j3	0.92242	1.21432	0	1	1
Pdgfc	0.126745	0.165335	0.383455	0.557934	0.819817
Mtap9_j1	1.08133	0.620839	0	1	1
Sfrp2_j1	0.0626527	0.0608306	-0.0425802	0.975156	1
XLOC_020907	0.0614542	0	-1.79769e+308	0.0804657	1
Tmem154_j1	0.389668	0.257847	-0.59573	0.250734	0.598486
Lrba_j3	0.283953	0.166729	-0.768145	0.012312	0.100025
Etv3_j2	1.46574	2.53173	0	1	1
Arhgef11_j6	0.785162	0.602776	0	1	1

Arhgef11_j10	0.325208	0.178313	0	1	1
Hdgf_j1	18.1342	17.4395	0	1	1
Hdgf_j2	10.5767	16.0066	0	1	1
Mrpl24	4.54578	4.50064	0	1	1
Gpatch4_j2	5.4606	6.6271	0	1	1
Smg5_j2	1.31347	1.45053	0	1	1
Paqr6_j4	0.441191	0.244589	0	1	1
Paqr6_j6	0.93765	1.70935	0	1	1
Ssr2	3.27856	3.71383	0.179843	0.583534	0.833132
Arhgef2_j6	0.100527	0	0	1	1
Rit1_j1	21.6201	23.3887	0	1	1
Gon4l	1.76274	2.0536	0	1	1
Ash1l_j1	1.22619	1.3143	0	1	1
Clk2_j1	6.36879	6.81917	0	1	1
Clk2_j6	7.81706	7.22743	0	1	1
Thbs3_j4	0.0924754	0	0	1	1
Thbs3_j10	0.223244	0.0807234	0	1	1
Thbs3_j11	0.929427	1.17042	0	1	1
Shc1_j5	16.3635	17.9162	0.130777	0.147365	0.476
Pygo2_j1	12.9966	12.502	-0.0559797	0.652917	0.867181
Pbxip1_j1	0.0571619	0 -1.79769e+308	0.0048225	0.0048225	1
Adar_j2	1.35121	2.16089	0.677369	3.03E-05	0.0007803
4933434E20Rik_j1	0.477397	0.420564	0	1	1
Tpm3_j2	0.888858	0 -1.79769e+308	3.89E-16	3.89E-16	9.25E-14
Tpm3_j4	16.3623	23.2321	0.505747	1.52E-05	0.0004446
Gatad2b_j3	0.51703	0.106309	-2.28198	3.48E-06	0.0001234
S100a13_j3	0.479749	0.685507	0.51489	0.62254	0.852369
S100a6_j3	185.484	89.1725	-1.05662	0	0
S100a11_j1	0.139482	0.349172	1.32385	0.385549	0.714167
Rorc_j2	0.291829	0.15487	-0.914068	0.373459	0.706317
Celf3_j3	0.373178	0	0	1	1
Celf3_j8	0.0832229	0	0	1	1
Selenbp1_j1	0.079873	0	0	1	1
Tmod4_j1	0.090718	0.0179465	-2.33769	0.252538	1
Lysmd1_j1	0.153226	0.151549	-0.0158709	0.969105	0.991369
Sema6c_j5	0.467152	0.000489856	0	1	1
AK020406_j1	0.342796	0.527649	0	1	1
Fam63a	0.256123	0.145827	0	1	1
Lass2_j4	27.4913	31.4657	0	1	1
Arnt_j2	1.20279	0.564566	0	1	1
Arnt_j4	1.07556	1.46975	0	1	1
Aph1a_j1	1.52906	1.69233	0.14637	0.513981	0.793015
Aph1a_j2	1.2179	1.37081	0.170634	0.477099	0.772601
Otud7b_j2	1.60256	1.59176	0	1	1
Otud7b_j1	0.0828714	0.0599837	0	1	1
Otud7b_j7	0.211659	0	0	1	1
Sf3b4	2.40874	2.2781	0	1	1

Ankrd34a	2.06243	1.34366	-0.618178	0.0016514	0.0214013
Rbm8a_j2	0.324394	0.394223	0	1	1
Pias3	0.7723	0.889624	0.204035	0.596994	0.83999
XLOC_021036	0.239377	0.181126	0	1	1
Pdzk1_j1	2.60522	2.64751	0.0232341	0.895306	0.966918
Fmo5_j1	0.0573638	0 -1.79769e+308		0.0035019	1
Notch2_j2	0.410848	0.441462	0	1	1
Zfp697	0.251912	0.30134	0	1	1
Zfp697_j1	0.0712402	0.084857	0.252343	0.855494	1
Tbx15_j1	0.135662	0.0910498	-0.575286	0.470745	1
Igsf3	2.00201	0.78576	0	1	1
Igsf3_j2	0.212418	0.271244	0	1	1
XLOC_021053	0.217003	0.139211	-0.640439	0.170449	0.507472
Nhlh2_j5	0.390191	0.200961	-0.957265	0.152224	0.483673
Tspan2_j1	14.7948	12.9002	0	1	1
Csde1_j4	0.112463	0	0	1	1
Syt6_j2	0.829067	1.00315	0	1	1
Phtf1_j6	0.526615	0.43445	0	1	1
Phtf1_j11	0.0933991	0.0284551	0	1	1
Ppm1j_j2	0.117266	0	0	1	1
Ppm1j_j7	2.79713	4.10885	0	1	1
Rhoc_j2	32.1826	56.1001	0	1	1
XLOC_021076	0.117349	0.364034	1.63326	0.0596255	0.287307
XLOC_021076	0.062309	0.0015323	-5.34567	0.234123	1
XLOC_021078	0.168241	0.0968068	-0.79735	0.175129	0.513373
Chia_j3	0.304826	0.235741	-0.370779	0.493843	0.782252
Kcna2_j3	6.76867	1.07548	0	1	1
Psm5_j3	0.282727	0.170451	-0.730051	0.122852	0.436393
Psrc1	0.223001	2.03E-05	-13.4261	0.985448	0.995689
Wdr47_j3	0	0.167437	0	1	1
Wdr47_j6	0.398308	0.278581	0	1	1
Clcc1	0.902433	0.868102	-0.0559552	0.883944	0.963268
Col11a1_j1	0.906695	1.147	0	1	1
Col11a1_j7	2.31928	2.32719	0	1	1
Extl2_j1	0.513095	0.0471003	0	1	1
XLOC_021114	0.217883	0.179879	0	1	1
XLOC_021122	0.346562	0.256528	0	1	1
XLOC_021122	1.26591	0.982468	0	1	1
F3_j1	0.146955	0 -1.79769e+308		0.007761	0.071037
Arhgap29	0.430263	0.689354	0	1	1
Arhgap29_j7	0.755343	0.668061	0	1	1
Gclm_j1	28.3458	27.4967	-0.0438788	0.753399	0.914745
Sec24d_j1	0.818459	0.789623	0	1	1
4930422G04Rik_j4	0.116813	0.0633476	-0.882839	0.524871	1
4930422G04Rik_j11	0.0819791	0 -1.79769e+308		0.0026393	1
4930422G04Rik_j10	0.127241	1.41E-05	-13.1355	0.978486	1
Tifa_j3	12.099	22.0055	0.862984	3.60E-14	6.44E-12

XLOC_021145	0.143251	0.107525	-0.413871	0.641113	0.861592
Elovl6_j1	5.94564	5.82549	0	1	1
Col25a1_j1	0.293836	0.0271063	-3.43831	0.0428544	0.234451
Papss1_j1	12.2741	14.0892	0	1	1
XLOC_021160	0.226697	0.150405	-0.591917	0.505427	0.78827
XLOC_021160	0.129405	0.101977	-0.343644	0.656976	1
AK050464_j1	0.461157	0.435518	-0.0825252	0.836978	0.947826
AK050464	0.173304	0.0276707	-2.64688	0.0666953	0.308554
BC065149_j2	0.262411	0.117125	-1.16378	0.372252	0.705185
Cxxc4_j2	0.19047	0 -1.79769e+308		4.18E-06	0.0001447
Cenpe_j1	0.0791556	0.0423635	-0.901872	0.572388	1
Nhedc2_j4	0.172065	0 -1.79769e+308		0.0003352	0.005853
Slc39a8_j1	0.166693	0 -1.79769e+308		5.41E-05	0.0012764
Ppp3ca_j3	9.49188	11.0968	0	1	1
XLOC_021173	0.391563	0.00362958	-6.7533	0.465956	0.765799
Mapksp1_j2	0.29562	0.214339	-0.463849	0.510911	0.79135
Mapksp1_j9	0.244529	0.262815	0.104044	0.849308	0.952228
Adh7_j2	0.0710141	0 -1.79769e+308		0.0175787	1
Adh1_j1	0.447965	0.0126545	-5.14566	0.0788241	0.340456
Eif4e_j1	9.12704	8.63345	0	1	1
Eif4e_j5	3.39673	2.99647	0	1	1
Tspan5	0.435359	0.183868	0	1	1
Tspan5_j2	0.275161	0.0973822	0	1	1
Gbp5	0.321603	0.165268	-0.960478	0.0960436	0.382706
Gbp3	1.44064	1.14084	0	1	1
Gbp1_j2	2.90742	1.76627	-0.719029	0.023101	0.155633
XLOC_021191	0.136535	0.0886436	-0.623183	0.649451	1
Sep15_j1	64.0624	71.6878	0	1	1
Odf2l_j4	2.13366	1.92982	-0.144866	0.513135	0.792387
Odf2l_j9	0.0571577	0 -1.79769e+308		0.0400761	1
Odf2l_j10	0.0826134	0 -1.79769e+308		0.0156522	1
Col24a1_j2	1.61156	1.69133	0	1	1
Col24a1_j7	0.143365	0.534366	0	1	1
Col24a1_j10	0.882178	1.79668	0	1	1
Mcoln2_j1	0.11847	0.108644	-0.124917	0.905193	1
Mcoln2_j2	0.0627554	0.0623932	-0.00834955	0.995244	1
Mcoln2_j3	0.109101	0.0979519	-0.155517	0.890129	1
Lpar3_j8	13.2529	12.3802	-0.0982664	0.489996	0.779734
Ctbs_j3	0	0.543439 1.79769e+308		5.57E-05	0.0013072
Elt1	0.4376	0.666404	0	1	1
Fubp1_j7	0.104187	0.0212781	0	1	1
Usp33	11.125	11.7734	0	1	1
XLOC_021219	0.274617	0.18773	-0.548756	0.12545	0.441203
XLOC_021220	0.0977562	0.0827651	-0.240166	0.79936	1
Cryz_j1	1.44114	1.43703	-0.00411734	0.989693	0.996781
4922501L14Rik_j3	0.469208	0.129028	0	1	1
Lrriq3	0.328771	0.116574	-1.49583	0.0842167	0.354146

Lrriq3_j3	0.101235	2.12E-05	-12.2236	0.988516	1
Ptger3_j1	4.69848	5.21392	0.150174	0.357209	0.693069
XLOC_021232	0.503362	0.514397	0.0312837	0.923109	0.976043
Pxmp3_j1	0.897271	0.559812	0	1	1
Il7_j3	0.0738343	0 -1.79769e+308	0.0182527		1
Hey1_j3	0.0710162	0.103657	0	1	1
Tpd52_j6	7.39675	1.20358	0	1	1
Tpd52_j7	14.4044	25.8729	0	1	1
Impa1_j1	36.2397	32.1245	-0.173899	0.0694238	0.315947
Snx16	2.12486	2.10686	0	1	1
1810022K09Rik_j1	0.204309	0.138088	0	1	1
1810022K09Rik_j2	0.190935	0.194526	0	1	1
Car1	0.798382	5.55396	2.79836	0	0
XLOC_021260	0.208685	0.0811441	-1.36277	0.241349	0.588455
Crh_j1	0.234409	0.126492	-0.889977	0.301679	0.648
Cpb1_j3	2.03799	1.7604	-0.211248	0.425098	0.740393
Cpb1_j4	1.45313	0.266258	-2.44827	4.49E-06	0.0001533
Naaladl2_j1	0.318339	0.0592746	-2.42508	0.0117048	0.0962802
Nlgn1_j4	0.350871	0.285394	-0.297986	0.680097	0.879617
Nlgn1_j5	0.0734184	0 -1.79769e+308	0.0143123		1
Ect2_j1	0.384754	3.11E-05	-13.5934	0.974951	0.992819
Ect2_j2	0.168855	0.130542	-0.371268	0.581388	0.8323
AK007174_j5	0	0.095789 1.79769e+308	0.109209		1
AK007174_j4	0.191605	0.0390203	-2.29584	0.241595	0.588692
AK007174_j6	0.0708507	0.0410426	-0.787658	0.701281	1
AK007174_j7	0.173096	0.0998168	-0.794215	0.527815	0.801757
Gm6505	1.83802	1.94017	0.0780326	0.718266	0.898598
Mecom_j2	0.195237	0.245959	0.33319	0.5888	0.835785
Mecom_j7	0.145023	0.0993169	-0.546166	0.43302	0.744598
Lrrc34	0.216531	0.110477	-0.970827	0.21556	0.561479
Lrrc34_j1	0.0690051	0.117744	0.770878	0.453301	1
Lrrc31_j2	0.111803	0 -1.79769e+308	7.92E-05		1
Phc3	0.86406	0.567918	0	1	1
Phc3_j4	0.0966189	0.0135508	0	1	1
Slc7a14_j2	0.309147	0.114533	0	1	1
Pex5l_j6	6.82466	4.99334	-0.450753	0.0001476	0.0029744
Pex5l_j5	1.33476	1.07634	-0.310447	0.146497	0.474802
Ccdc39_j12	0.830018	0.797803	-0.0571092	0.810099	0.937876
Ccdc39_j14	0.316421	0.385638	0.285401	0.29676	0.643452
Dnajc19_j5	0.719222	0.568569	0	1	1
Dcun1d1_j1	0.0978875	0.135244	0.46637	1	1
Qrfpr_j4	0.0691673	0 -1.79769e+308	0.0387195		1
Qrfpr_j2	0.0605022	0 -1.79769e+308	0.0657878		1
Anxa5_j4	124.838	125.648	0	1	1
Trpc3_j3	0.405447	0.183658	0	1	1
Cetn4_j2	1.06433	0.990286	-0.104027	0.846523	0.951509
Mfsd8_j1	1.31488	0.903234	0	1	1

Sc1t1_j1	0.591219	1.20068	1.02209	0.0099115	0.0851515
Sc1t1_j2	0.646177	0.235738	-1.45475	0.0302458	0.186728
Sc1t1_j3	0.822082	0.472803	-0.798045	0.0974269	0.38582
XLOC_021321	0.485525	0.122842	-1.98274	0.0195007	0.1385
AK012035	0.959388	0.555652	-0.787931	0.179154	0.518763
Elf2_j2	1.03035	1.50245	0	1	1
Maml3_j1	0.673295	0.576327	0	1	1
Nhlrc3	0.0686064	0.107022	0.641497	0.373435	1
Frem2_j8	0.0468423	0 -1.79769e+308		0.0553103	1
XLOC_021346	0.123872	0.0797036	-0.63613	0.324273	1
AK005707_j4	0.319693	0.317463	-0.0101026	0.988706	0.996605
AK030561_j1	0.439413	0.206189	0	1	1
Clrn1_j1	2.50604	1.61763	0	1	1
P2ry14	0.306583	0.544786	0.829412	0.109015	0.410746
P2ry13	0.214886	0 -1.79769e+308		1.46E-06	5.76E-05
P2ry12	0.368396	0.361279	0	1	1
Dhx36_j1	4.70108	4.59445	0	1	1
Dhx36_j2	4.92832	4.27145	0	1	1
Plch1_j1	0.0590169	0.0799971	0.438821	0.576902	1
Ccn1_j7	0.483581	0.434475	-0.154485	0.740275	0.909014
Shox2_j1	0.107773	0	0	1	1
Ift80_j1	4.69228	3.78852	0	1	1
Trim59	0.37864	0.252762	-0.583048	0.243061	0.590533
Kpna4_j1	2.34878	4.50215	0	1	1
XLOC_021391	0.26204	0.056627	-2.21023	0.133649	0.455013
Bche_j1	2.30163	1.76643	-0.381822	0.0395556	0.222296
Pdcd10_j8	0.560192	0.416191	-0.428677	0.688595	0.884271
Rapgef2_j1	0.160034	0 -1.79769e+308		0.0546711	0.272706
Tmem144_j4	0.127964	0 -1.79769e+308		0.0056907	1
Gria2_j2	0.133854	0.0262291	-2.35143	0.005455	1
Gucy1a3_j1	0.214262	0.111823	-0.938156	0.110643	0.413936
Npy2r_j2	0.476449	0.526056	0	1	1
Lrat_j1	0.140676	0.194774	0.469417	0.705106	0.892225
AK137033_j1	0.25687	0.121485	-1.08026	0.256329	0.605242
Tlr2	0.278633	0.76984	1.46619	1.14E-05	0.0003459
D930015E06Rik_j3	0.592771	0.892656	0.590628	0.0539712	0.270767
Mnd1_j1	0.152121	0.0779539	-0.96453	0.453164	0.758028
Fhdc1	0.356911	0.600475	0	1	1
Fhdc1_j1	0.529929	0.139864	0	1	1
Arfip1_j6	0.115322	0.0352115	0	1	1
Arfip1	1.58742	1.74735	0	1	1
AK158189_j1	0.0556995	0.0328888	-0.760066	0.521566	1
AK158189	0.180862	0.099876	-0.856676	0.204126	0.548338
Rps3a_j7	0.726521	0.538788	-0.431288	0.178774	0.518294
Cd1d1_j1	0.843256	0.981925	0.219642	0.583387	0.833129
4933430H15Rik_j2	0.144963	0.0660484	-1.13409	0.248916	0.596414
BC023814	0.37979	0.386883	0	1	1

Bcan_j4	12.1365	10.5522	0	1	1
Bcan_j2	7.49789	6.92503	0	1	1
Hapln2_j2	33.2798	30.9409	0	1	1
AK007191_j1	1.20258	0.968707	0	1	1
Slc25a44_j1	0.204469	0.427873	0	1	1
Lmna_j1	12.031	17.9965	0.580961	2.32E-07	1.13E-05
Lmna_j4	29.0521	36.021	0.310195	0.0011072	0.0154907
Robld3_j1	1.59598	1.73851	0.12341	0.802468	0.934285
Syt11_j1	2.95402	2.34113	0	1	1
Syt11_j3	33.0809	37.7841	0	1	1
Rusc1_j5	14.5922	19.1277	0	1	1
Fdps_j4	1.37398	1.35721	-0.0177093	0.921699	0.975486
Fdps_j10	4.39059	4.83787	0.139958	0.519717	0.797285
Hcn3_j2	0.415175	0.119641	0	1	1
Trim46_j2	1.13577	0.557137	0	1	1
Adam15_j6	1.83699	2.41446	0	1	1
Adam15_j7	0.210581	0.174176	0	1	1
Zbtb7b_j1	1.52791	1.60934	0.0749029	0.732186	0.905282
Chrb2_j2	4.92278	5.55631	0.174654	0.126786	0.443479
Il6ra_j3	0.141244	0 -1.79769e+308	0.0364636	0.211122	
Atp8b2_j2	0.161512	0	0	1	1
Ubp2l_j7	0.708923	0.00490291	0	1	1
Npr1_j5	0.0789274	0 -1.79769e+308	0.0013991	0.0013991	1
2500003M10Rik_j8	31.4745	31.9292	0.0206954	0.86347	0.956634
2500003M10Rik	3.50867	3.67514	0.0668718	0.679496	0.879493
9130204L05Rik_j3	0.567537	0.0597408	-3.24792	0.08881	0.365257
9130204L05Rik_j4	0.0941661	0.0538079	-0.80739	0.708208	1
Lce6a_j5	0.143099	0.0866657	-0.723483	0.696062	0.887968
Snx27_j2	0.116284	0.0389459	0	1	1
Snx27	5.41978	4.48597	0	1	1
Cgn_j7	0.109008	0	0	1	1
Zfp687_j4	2.26337	1.78014	-0.346481	0.0230625	0.155463
Psm4_j1	0.296582	0.257702	0	1	1
Psm4_j3	0.833245	2.71641	0	1	1
Scnm1_j4	0.426364	0 -1.79769e+308	1.69E-06	6.50E-05	
Gabpb2_j3	1.05213	1.05018	0	1	1
Tars2_j13	0.979451	0.695041	-0.494875	0.0152223	0.116137
Mrps21_j1	35.8256	37.2885	0.0577388	0.713271	0.896209
Plekho1_j1	0.709322	0.579868	0	1	1
Bcl9_j9	0.233586	0.180992	0	1	1
Bcl9_j10	0.82677	0.920426	0	1	1
Bcl9_j7	0.154875	0.407078	0	1	1
Pde4dip_j9	12.343	13.397	0	1	1
Phgdh_j5	0.225281	0	0	1	1
Phgdh_j8	0.221945	0.229073	0	1	1
Wdr3_j2	2.00103	1.44073	-0.473945	0.120001	0.431269
Ttf2_j1	2.49553	2.15651	-0.210646	0.449417	0.755499

Atp1a1_j5	4.68211	3.22304	0	1	1
Slc22a15_j2	0.0481066	0	-1.79769e+308	0.0026851	1
Slc22a15_j3	0.590025	0.899249	0.607944	0.004179	0.0442693
Vangl1_j3	0.127664	0	0	1	1
Vangl1_j6	0.114226	0	0	1	1
Gm16520_j1	0.127707	0.0587362	-1.12052	0.208503	1
Hipk1_j3	0.165896	0	0	1	1
Magi3_j4	7.75686	7.43665	0	1	1
Lrig2_j2	0.919029	0.0977543	-3.23288	2.98E-10	2.74E-08
Mov10_j1	0.428662	0.170296	0	1	1
Capza1_j2	0.144427	0.0587046	-1.2988	0.121764	0.434527
Chi3l3_j1	0.171592	0.0996063	-0.784671	0.694342	0.887232
Cd53_j2	0.2959	0.246942	-0.260938	0.731314	0.904922
Fam40a_j2	0.783609	0.788852	0.00962134	0.983947	0.995283
Ampd2_j1	3.81878	2.97311	0	1	1
Ampd2_j2	5.05543	4.17469	0	1	1
Gnai3_j2	2.67313	1.52856	0	1	1
Gpr61_j1	0.319604	0.441465	0	1	1
Atxn7l2_j4	0.0376834	0.135879	0	1	1
Celsr2_j2	0.110679	0.0741178	-0.578494	0.254348	1
5330417C22Rik_j1	1.07035	0.602288	-0.829558	0.001036	0.0146926
Prpf38b_j6	0.476683	0.326935	0	1	1
Prpf38b_j5	0.18483	0.486922	0	1	1
Ntng1_j1	0.522861	8.49E-05	0	1	1
Ntng1_j2	2.81335	1.84244	0	1	1
Prmt6_j1	0.915948	0.574192	-0.673732	0.0084897	0.0758125
Rnpc3_j7	3.31272	2.64045	0	1	1
Cdc14a_j1	0.610819	0.761922	0.318898	0.405013	0.726949
Cdc14a_j2	0.392433	0.407435	0.0541217	0.907916	0.971006
Cdc14a_j3	0.187851	0.2284	0.281967	0.611207	0.846796
Cdc14a_j4	0.141355	0.147738	0.0637158	0.913906	0.972962
Ccdc76_j1	0.354081	0.249306	-0.506161	0.365256	0.699065
Ccdc76	0.709838	0.924759	0.381587	0.267485	0.616277
Ccdc76_j2	0.390547	0.268541	-0.540354	0.38161	0.711979
Slc35a3_j3	0.448829	0.261688	-0.778319	0.0629808	0.297262
Agl_j1	0.0900362	0.0194615	0	1	1
Agl_j6	0.603674	0.189702	0	1	1
Palmd_j1	0.84298	0.871134	0	1	1
Ptbp2_j2	1.94196	1.69944	0	1	1
Ptbp2_j3	2.91917	1.94958	0	1	1
Abcd3_j5	10.7313	11.0905	0	1	1
Abcd3	2.85426	2.15134	0	1	1
Fnbp1_j4	0.140524	0.0510872	0	1	1
Usp53_j1	0.13176	0	-1.79769e+308	0.0003056	1
Usp53_j2	0.0350858	0.13178	1.90917	0.0094751	1
AK041310	0.381008	0.293522	0	1	1
Ank2_j8	1.10377	0.478701	0	1	1

Ank2_j9	8.17219	7.76279	0	1	1
Ank2_j10	6.36906	5.59933	0	1	1
Larp7_j3	1.29584	1.51816	0.228433	0.513803	0.793006
Alpk1_j1	0.0884497	0.329211	0	1	1
Alpk1_j11	0.395398	0.0234502	0	1	1
Ap1ar_j4	22.0984	8.27687	0	1	1
Egf_j2	0.0576376	0.00351544	-4.03523	0.264052	1
Egf_j1	0.0624896	0 -1.79769e+308		0.0049502	1
Ccdc109b_j1	9.07615	10.3998	0.196401	0.325307	0.66849
Sec24b_j5	1.84795	1.21955	0	1	1
Sec24b_j7	0.981476	1.76644	0	1	1
Sec24b_j6	2.51252	2.71599	0	1	1
Rpl34_j2	0.334727	0.438668	0.390145	0.638876	0.860184
Aimp1_j2	0.294835	0 -1.79769e+308		0.0029795	0.0342587
Bank1_j5	0.130288	0 -1.79769e+308		0.0036206	1
Bank1_j4	0.440174	0.00762284	-5.8516	0.0573828	0.280663
Gm15688	0.0609999	0 -1.79769e+308		0.114699	1
Bmpr1b_j8	0.0695178	0 -1.79769e+308		0.0014969	1
Bmpr1b_j6	0.0963972	0 -1.79769e+308		0.0002269	1
Bmpr1b_j7	0.0707516	0 -1.79769e+308		0.0013637	1
Bmpr1b	0.16827	0.067066	-1.32712	0.0672359	0.310054
Pdlim5	0.0817889	0.306554	0	1	1
Clca5_j3	0.0955058	0.0725366	-0.396879	0.636251	1
Lphn2_j1	2.02334	2.02966	0.00449326	0.98553	0.995706
Lphn2_j3	0.442789	0.324899	-0.44663	0.202252	0.545802
Ifi44_j1	0.151477	0.0746357	-1.02116	0.411814	0.730902
Ifi44_j2	0.0516583	1.44E-05	-11.8072	0.989298	1
Ifi44_j3	0.314362	0.235264	-0.418146	0.353168	0.689667
Ptgfr_j2	0.687167	0.0345186	-4.31521	3.80E-08	2.30E-06
XLOC_021707	0.319736	0.168499	-0.924147	0.0088593	0.0782746
Dnajb4_j2	1.31201	0.628324	0	1	1
Fam73a_j3	13.8682	12.5037	0	1	1
St6galnac5_j1	0.265581	0.572549	0	1	1
St6galnac3_j2	0.338119	0.233322	-0.535208	0.108734	0.410101
Tyw3	1.32513	1.09095	-0.28055	0.164411	0.500371
Fpgt_j1	0.198451	0.433609	0	1	1
Srsf11_j2	0.92863	0.625951	0	1	1
Lrrc7_j4	0.0712235	0.062256	-0.19414	0.872059	1
Chmp4c_j1	0.105954	0.107183	0.0166389	0.981998	1
Raly1_j1	0.167746	0.0981535	-0.773169	0.349488	0.687145
Car3_j1	4.04021	31.3693	2.95685	0	0
Car2_j2	7.64045	7.08991	-0.10789	0.646414	0.863677
XLOC_020763	0.147397	0.152073	0.0450593	0.957905	0.987996
XLOC_020770	0.0907041	0.193974	1.09663	0.311154	0.655926
Hltf_j3	0.243079	0.150624	-0.690478	0.366229	0.700066
XLOC_020778	0.0509408	0.0538793	0.0809078	0.945729	1
Tbl1xr1_j2	0.436159	0.250624	0	1	1

XLOC_020782	0.192662	0.399743	1.053	0.0019877	0.0248414
Tnfsf10_j2	0.0285754	0.240302	3.072	0.0004636	0.0076457
Pld1_j4	0	0.13996 1.79769e+308		0.0009011	1
Rpl22l1_j8	0	0.0736625 1.79769e+308		0.128918	1
Egfm1_j2	0.196357	0.764079	1.96024	0.0081049	0.0733282
Egfm1_j11	0	0.188176 1.79769e+308		0.0073547	0.0683294
Mynn	0.946671	1.01815	0.10501	0.647345	0.864073
Gpr160_j3	0.277398	0.354845	0.35523	0.568865	0.825693
Gpr160_j11	0.116388	0.140102	0.267527	0.775324	1
Skil_j1	1.41269	1.6081	0.186915	0.274238	0.623353
Kcnmb2_j1	0	0.0600981 1.79769e+308		0.0728302	1
Usp13_j3	0.031804	0.294137	0	1	1
Sox2ot_j4	0.389052	0.303063	-0.360345	0.417816	0.734876
XLOC_020811	0.17288	0.236304	0.450878	0.379971	0.711076
Fgf2_j1	1.67701	2.19833	0.390516	0.0134603	0.106582
Spry1_j1	0.100497	0.328485	1.70868	0.0246115	0.162594
Hspa4l_j1	1.77495	6.51809	0	1	1
Plk4_j4	0	0.130382 1.79769e+308		0.016981	1
Phf17	0	0.678222	0	1	1
Pcdh10_j1	3.3208	2.9449	0	1	1
Naa15_j1	8.90716	8.8405	0	1	1
Rab33b_j1	5.43835	6.85304	0	1	1
XLOC_020844	0.126146	0.22435	0.830654	0.167504	0.504072
2810046L04Rik_j2	1.0951	0.7236	-0.597792	0.108987	0.410746
Trpc4_j5	0.173184	0.0934549	-0.889966	0.238368	0.585308
Fam48a_j1	5.81616	6.46239	0.152001	0.228178	0.575243
Spg20	2.55828	2.20832	0	1	1
Spg20	0.246169	0.321728	0	1	1
Spg20_j2	0	0.23764	0	1	1
Tsc22d2	0.263593	0.293593	0	1	1
2810407C02Rik_j2	34.1408	34.0547	0	1	1
Med12l_j3	0.0934783	0.0986444	0.0776054	0.883495	1
Med12l_j7	0.0104566	0.0586201	2.48699	0.034984	1
XLOC_020874	0.188701	0.131475	-0.521312	0.565048	0.823689
Mme_j2	0.376484	0.313117	0	1	1
Kcnab1_j2	0	0.291194 1.79769e+308		0.0001166	0.0024454
Kcnab1_j4	40.7582	32.5699	-0.323554	0.0003133	0.005536
Ptx3_j1	0.033445	0.0687678	1.03994	0.604598	1
Rsrc1_j1	0.53713	0.684799	0.350409	0.556039	0.818663
lqcj-schip1_j1	0.221932	0.380815	0.778971	0.271896	0.620718
Schip1	2.59629	3.4329	0.40298	0.0563265	0.277694
Ppm1l_j3	4.4907	7.57633	0	1	1
Otol1_j1	0.0701353	0.186644	1.41208	0.163243	0.498589
Otol1	0.032896	0.110808	1.75208	0.404061	1
Serpini1_j1	34.7794	29.8265	-0.221637	0.0370691	0.213238
Fstl5_j2	0.0449402	0.0790292	0	1	1
Mtap9_j2	0.636736	0.865607	0	1	1

Plrg1_j1	4.60869	6.81645	0.564662	0.0081739	0.0737736
Sh3d19_j3	0.54021	0.42516	0	1	1
Lrba_j6	0.0431881	0.0476902	0.143059	0.848777	1
Lrba_j12	0.190604	0.670509	1.81468	0.0051416	0.0517901
Arhgef11_j11	1.402	1.34107	0	1	1
Insrr_j3	0.4069	0.381883	-0.0915455	0.741319	0.909259
Mrpl24	4.46817	5.07128	0	1	1
Mef2d_j1	0	0.236136	0	1	1
Cct3_j4	0	1.15048	1.79769e+308	4.46E-05	0.0010828
Cct3_j6	10.2153	14.4774	0.50307	0.0117695	0.0967472
Arhgef2	0.135403	0.386851	0	1	1
2810403A07Rik_j4	0.0569991	0.0217077	0	1	1
Ash1l_j3	0.0170788	0.103887	0	1	1
Clk2_j2	0.202856	0.042408	0	1	1
Gba	5.1227	5.23303	0	1	1
Gba_j1	7.50763	5.78392	0	1	1
Thbs3_j7	0.0363881	0.060492	0	1	1
Thbs3_j5	0.315328	0.485685	0	1	1
Thbs3_j6	0.0845124	0.260411	0	1	1
Thbs3_j12	0.642476	0.75933	0	1	1
Adar_j1	0	0.175502	1.79769e+308	1.35E-05	0.0003996
She_j1	0.0910654	0.0993646	0.125828	0.918397	1
4933434E20Rik	6.7308	4.18547	0	1	1
Dennd4b_j5	0.0710257	0.0603471	-0.235056	0.775982	1
S100a13_j2	0.585619	0.628492	0.101931	0.720334	0.899707
S100a16_j1	12.8693	4.76376	0	1	1
S100a16_j2	19.436	26.9521	0	1	1
Sprr2i	0.101457	0.335784	1.72667	0.0410736	0.227829
Sprr2j-ps	0.0655332	0.65264	3.31599	0.001826	0.0232422
S100a11_j2	12.2802	35.3901	1.52701	6.66E-16	1.51E-13
XLOC_020987	0.0904755	0.257746	1.51035	0.0006664	0.0103286
S100a10_j4	171.936	325.251	0.919683	0	0
Tdrkh_j2	1.08658	0.512208	0	1	1
Tdrkh_j5	0.250694	0.192416	0	1	1
Celf3_j7	0.487096	0.499929	0	1	1
Pogz_j4	0.0522999	0.0743782	0	1	1
Pogz_j7	0.0903941	0.125384	0	1	1
Sema6c_j2	0.393233	0.600007	0	1	1
Sema6c	0.250594	0.469369	0	1	1
Sema6c_j8	0.0849181	0.131854	0	1	1
Cdc42se1_j2	22.7307	28.9015	0	1	1
Lass2_j2	0.308894	0.270468	0	1	1
Ctsk_j1	1.60818	1.42398	-0.175497	0.593242	0.83794
Ctsk_j2	2.63393	2.63166	-0.00124332	0.996877	0.999112
Mcl1_j1	21.1707	24.6723	0.220827	0.0264397	0.170811
Aph1a_j6	0.0381608	0.0693311	0.86141	0.321414	1
Otud7b_j6	0	0.0832747	0	1	1

Otud7b_j8	0	0.083538	0	1	1
Mtmr11_j1	0.334714	0.294688	-0.183738	0.698905	0.889085
Sf3b4_j4	0.515221	0.548656	0	1	1
Sf3b4_j8	0.713248	0.259375	0	1	1
Itga10_j3	0.116159	0.170598	0.554498	0.307721	0.652771
Itga10_j8	0.0589617	0.106775	0.856724	0.425586	1
Fmo5_j2	0.115486	0.0706688	-0.70857	0.332552	1
Prkab2_j2	14.791	18.2808	0	1	1
Notch2	0.432049	0.445273	0	1	1
Hmgcs2_j1	22.1155	21.5913	-0.0346064	0.702786	0.891161
Zfp697_j1	0.230256	0.333175	0	1	1
Nhlh2_j4	6.00E-05	0.489299	12.9927	0.938338	0.981145
Csde1_j3	1.10704	1.58984	0	1	1
Bcas2_j1	6.13955	7.30183	0.250125	0.283037	0.631561
Trim33_j1	1.18797	1.21401	0	1	1
Syt6	1.46016	1.45535	0	1	1
Rsb1_j1	1.35523	1.50509	0	1	1
Phtf1_j9	0.238944	0.293249	0	1	1
Slc16a1_j1	1.2243	2.55726	0	1	1
XLOC_021071	0.0519077	0.105196	1.01905	0.399065	1
Ppm1j_j6	42.5071	40.9014	0	1	1
Rhoc_j1	12.6961	22.3924	0	1	1
St7l_j2	0.479884	0.271604	-0.821177	0.0080125	0.0726135
Kcnd3_j4	14.819	11.6041	-0.352815	0.0002807	0.0050648
XLOC_021078	0.102293	0.114621	0.164161	0.866659	1
Kcna2_j6	8.91385	8.09945	0	1	1
Slc16a4_j1	0.49502	0.617885	0.319851	0.43047	0.743178
XLOC_021094	0.292282	0.44749	0.614496	0.0242229	0.160746
Psrc1_j2	0.0222141	0.115612	2.37974	0.134262	1
Psrc1_j6	0.0704567	0.208932	1.56823	0.337382	0.677935
Wdr47_j1	2.31755	0.208422	0	1	1
Wdr47_j4	11.6673	10.6104	0	1	1
Vav3_j4	1.43665	0.878302	0	1	1
Col11a1_j3	0.151035	0.03801	0	1	1
Olfm3_j1	1.01686	0.8838	-0.202324	0.406025	0.727612
Dbt_j3	0.234389	0.738984	1.65664	0.0001596	0.0031791
XLOC_021118	0	0.125854	0	1	1
XLOC_021121	0.0782334	0.177085	1.17858	0.329212	0.671446
XLOC_021122	1.45064	1.32787	0	1	1
XLOC_021122	1.0636	1.01193	0	1	1
Cnn3_j1	40.3432	44.7825	0	1	1
Arhgap29_j1	0.412325	0.684846	0	1	1
Sec24d_j3	0.181966	0.417614	0	1	1
4930422G04Rik_j3	0	0.046747 1.79769e+308		0.0250631	1
Elovl6_j2	0.316101	2.39681	0	1	1
Cfi_j1	0	0.34773 1.79769e+308		7.62E-05	0.0017011
Col25a1_j6	0	0.10322 1.79769e+308		0.0049748	1

Ints12_j2	0.352974	1.68842	0	1	1
Nhedc2_j3	0	0.10279 1.79769e+308	0.0531884		1
Nhedc2_j8	0.119018	0.113563	-0.0676846	0.952078	1
Ube2d2b	0	0.0538768 1.79769e+308	0.0348454		1
Manba_j1	0	0.0711618 1.79769e+308	0.0313901		1
Manba_j3	0	0.131556 1.79769e+308	0.0087421		1
Ppp3ca_j1	0.819674	2.77228	0	1	1
Ppp3ca_j7	0	0.241381	0	1	1
Mapksp1_j1	0.0182667	0.0505799	1.46935	0.333478	1
Mapksp1_j8	0.574312	0.442734	-0.375397	0.229046	0.576167
Eif4e_j7	0.25415	0.423246	0	1	1
XLOC_021183	0	0.160168	0	1	1
Gbp6_j1	1.49113	1.11114	0	1	1
Ccb12	1.29648	1.17585	-0.140896	0.547793	0.813886
XLOC_021191	0.244501	0.224039	-0.126091	0.73917	0.908403
Sep15_j2	0.166567	0.227902	0	1	1
Odf2l	0.915638	0.885644	-0.0480504	0.888521	0.964658
Odf2l_j5	0	0.311642 1.79769e+308	0.0016854	0.0217615	
Col24a1_j9	0.217068	0.411298	0	1	1
Syde2_j1	0.00456626	0.0861537	4.23783	0.220622	1
Mcoln2	0	0.529624 1.79769e+308	3.33E-06	0.000119	
Lpar3_j6	0	0.379852 1.79769e+308	0.0232136	0.156068	
Gng5	0.81641	0.999119	0.291362	0.315583	0.659632
Uox_j1	0.0433132	0.257035	2.56908	7.29E-05	0.0016388
Ttll7_j3	8.86227	6.3749	0	1	1
Elt1_j2	0.15174	0.238438	0	1	1
Fubp1	5.50451	4.81904	0	1	1
Zzz3_j2	0.0678407	0.00158896	0	1	1
Zzz3_j3	0.285944	0.265012	0	1	1
XLOC_021218	0.290927	0.196259	-0.567898	0.617333	0.84948
Pigk_j1	0.507894	0.144089	-1.81757	0.0233076	0.156505
Pigk_j4	0.657624	0.536039	-0.294924	0.527984	0.801874
Pigk_j3	0.668908	0.496083	-0.431228	0.341173	0.681074
4922501L14Rik_j2	0.260737	0.507859	0	1	1
4922501L14Rik_j1	0.676329	0.299643	0	1	1
Lrriq3_j2	0	0.0639149 1.79769e+308	0.0791235		1
Il7_j4	0	0.388887 1.79769e+308	0.0003828	0.0065433	
Mrps28	15.7487	16.2833	0.0481612	0.741454	0.909295
Tpd52_j11	0.668195	0.366245	0	1	1
Tpd52_j9	4.12005	5.11593	0	1	1
Tpd52_j12	0	3.01532	0	1	1
Pag1_j1	0.229859	0.162817	0	1	1
Snx16_j1	7.68773	7.52292	0	1	1
AK140446_j1	0.167164	0.223198	0.417061	0.545018	0.811904
Cyp7b1_j1	1.28291	1.54275	0.266084	0.320964	0.664116
Crh_j2	0	0.0925327 1.79769e+308	0.0553701		1
Cpb1_j7	0	0.116252 1.79769e+308	0.0391116		1

Cpb1_j6	0.496868	0.783327	0.656751	0.123399	0.437384
XLOC_021273	0.0306183	0.217557	2.82893	0.105527	0.403518
Nlgn1_j1	2.69E-05	0.400733	0	1	1
Nlgn1_j3	0.165936	0.186021	0.164836	0.801169	0.933726
Nlgn1_j7	0	0.100303	1.79769e+308	0.105057	1
Fndc3b_j1	1.0702	1.22361	0	1	1
Fndc3b	1.09431	1.04291	0	1	1
XLOC_021279	0.0168092	0.179923	3.42005	0.101054	0.393603
Phc3_j7	0.0298758	0.167903	0	1	1
Phc3_j9	0.030817	0.3257	0	1	1
Slc7a14_j1	0.0880217	0.282295	0	1	1
Zmat3_j4	0	2.50545	0	1	1
Pex5l	2.61173	3.02647	0.212629	0.14493	0.472616
Ccdc39_j8	0.544033	0.396166	-0.457589	0.0594253	0.286621
Dnajc19	0.491981	0.193413	0	1	1
Dnajc19_j1	0	0.0928739	0	1	1
RP24-396D16.1_j1	0	0.12845	1.79769e+308	0.0617181	1
Mccc1_j8	0.951307	0.856378	-0.151663	0.664065	0.872733
Anxa5_j5	10.7274	21.9172	0	1	1
Anxa5_j7	9.1487	18.3438	0	1	1
AK043581_j3	0	0.0565215	0	1	1
AK043581_j4	1.71888	2.61641	0	1	1
Trpc3_j4	0.856	0.857825	0	1	1
Pgrmc2_j1	12.9608	13.3835	0	1	1
AK012035_j8	0.143137	0.112854	-0.342941	0.755328	0.915526
AK012035_j9	0.188295	0.125386	-0.586618	0.594467	0.838528
Ndufc1_j2	7.35798	7.78523	0	1	1
AK144834_j1	0.115727	0.325884	1.49363	0.131422	0.451337
Nhlrc3_j2	0.0949135	0.0523455	-0.858547	0.329941	1
Nbea_j5	0.632893	0.32691	0	1	1
XLOC_021350	0.123945	0.155427	0.326535	0.808717	1
Plch1_j4	0.0649761	0.107938	0.732221	0.387769	1
AK161073_j2	0	0.0514268	1.79769e+308	0.110342	1
AK161073_j1	0.164046	0.232206	0.501304	0.423065	0.738643
Ccnl1_j5	0.453662	1.83664	2.01738	2.99E-07	1.42E-05
Lxn_j1	6.72498	8.02696	0.255323	0.266496	0.615602
Ift80_j4	0.60373	0.909995	0	1	1
XLOC_021391	0.100872	0.441379	2.12949	0.0193549	0.137786
Pdcd10_j4	0.575282	0.394435	-0.544483	0.668593	0.874544
Pdcd10_j5	0.749516	0.509687	-0.556346	0.51886	0.796709
Pdcd10_j6	1.48781	0.5277	-1.4954	0.140927	0.466904
Golim4_j3	0	0.160003	1.79769e+308	0.0033504	0.0375832
Fnip2_j1	0.516226	0.350467	0	1	1
Etfdh_j1	9.27017	9.16373	-0.0166613	0.920899	0.97524
Rxfp1_j4	0.126416	0.150155	0.248275	0.699708	1
Tmem144_j2	0.188481	0.302291	0.681519	0.191926	0.534088
Tmem144_j1	0.0584767	0.126124	1.10891	0.260164	1

Gria2_j7	2.15155	1.48317	-0.536689	0.0029023	0.0335293
Gria2_j8	0.7275	0.508068	-0.517926	0.157932	0.49215
Gria2_j9	0.0629232	0.0278748	-1.17463	0.286965	1
Glrj2	38.1385	28.0085	0	1	1
Gucy1b3_j1	0.12772	0.162829	0.35037	0.612608	0.847359
Trim2_j2	0	1.25271	0	1	1
Arfp1_j4	0	0.143987	0	1	1
AK158189_j2	0.136346	0.294873	1.11282	0.0247838	0.163268
Rps3a_j5	0.539998	1.13125	1.06689	0.0006712	0.010387
Dclk2_j1	4.56642	3.73395	0	1	1
Dclk2_j2	5.95285	5.1362	0	1	1
Kirrel_j3	1.77093	2.34829	0	1	1
Kirrel	0.712774	0.50887	0	1	1
Pear1_j5	0.206397	0.239515	0	1	1
BC023814_j2	1.67951	1.79272	0	1	1
Bcan_j3	0.203506	0.204304	0	1	1
Lmna_j2	4.90856	6.0368	0.298486	0.0448177	0.241879
Lmna_j5	0.0660884	0.354278	2.42241	0.0056575	0.0558291
Syt11	0.756526	0.641181	0	1	1
Syt11_j4	15.6837	22.712	0	1	1
Rusc1_j2	0.990483	0.745429	0	1	1
Fdps_j8	0.29587	0.553929	0.904739	0.139952	0.46539
Fdps_j7	0.917712	0.553211	-0.730212	0.142671	0.469414
Trim46	4.91005	4.47863	0	1	1
Trim46	3.65528	6.16002	0	1	1
Flad1_j2	1.31578	1.97001	0.582278	0.0211994	0.146549
Atp8b2_j3	7.82058	8.50784	0	1	1
Atp8b2_j4	0.00371012	1.72349	0	1	1
Ubap2l_j3	1.04463	1.49749	0	1	1
Ubap2l_j8	5.80796	5.08861	0	1	1
Ubap2l_j9	0.636062	0	0	1	1
Ubap2l_j11	1.43427	1.8072	0	1	1
Creb3l4_j2	0.0745304	0.0938087	0.331893	0.824337	1
Slc27a3_j1	3.10895	3.28005	0	1	1
Ints3_j2	2.15569	4.80422	0	1	1
Npr1_j2	0.0766554	0.11961	0.641875	0.321617	1
2500003M10Rik_j4	0.164972	0 -1.79769e+308	0.0006663	0.0103286	
2500003M10Rik_j5	3.88302	3.53948	-0.133643	0.405569	0.727261
2500003M10Rik_j7	5.10961	4.57653	-0.158959	0.344282	0.684009
Lce6a_j1	0.0596549	0.364986	2.61313	0.0439046	0.238536
Lce6a_j6	0.0905376	0.616887	2.76842	0.0453757	0.243891
Lce1f_j1	0.0919733	0.0723912	-0.3454	0.80548	1
Lce1g	0.0993647	0.22435	1.17494	0.148691	0.477528
Tuft1_j5	0.32836	0.743501	0	1	1
Cgn_j3	0.0514723	0.0697618	0	1	1
Cgn_j2	0.00728208	0.0691517	0	1	1
Zfp687_j1	0.13522	0.175653	0.377417	0.308579	0.653487

Zfp687_j2	0.277395	0.223584	-0.311124	0.30294	0.648734
Psm4_j5	1.11733	0.473985	0	1	1
Psm4_j8	27.2234	30.3869	0	1	1
Scnm1_j3	8.67632	9.45195	0.123529	0.340552	0.680526
Scnm1_j2	1.8487	1.67725	-0.140415	0.619635	0.850756
Tnfaip8l2_j1	2.3014	2.86539	0.31622	0.0694029	0.315891
Mllt11_j5	0	0.26991	0	1	1
Bnpl_j4	0.0253946	0.0559352	1.13924	0.688163	1
Adamts4_j1	1.07878	1.5769	0.547688	0.0585587	0.284356
Tars2_j3	0.486137	0.57633	0.245532	0.492771	0.78126
Tars2_j5	0.212918	0.332748	0.644133	0.115719	0.423274
Rprd2_j1	1.92088	1.82575	-0.0732786	0.599477	0.841292
BC028528_j1	0.0596899	0.0652785	0.129121	0.945215	1
Vps45_j4	0	0.0596396	1.79769e+308	0.197897	1
Polr3gl_j1	0.971246	1.31596	0.438211	0.236729	0.583799
Polr3gl_j2	4.36917	3.73133	-0.227671	0.28117	0.629634
Polr3c_j3	3.04754	4.97593	0	1	1
Bcl9_j3	0	0.132244	0	1	1
Bcl9_j5	5.91E-05	0.0881781	0	1	1
Pde4dip_j7	0.000455047	0.545932	0	1	1
Pde4dip_j8	2.50902	2.11123	0	1	1
Phgdh_j6	0	0.506382	0	1	1
Phgdh_j10	0.531876	0.70906	0	1	1
Phgdh_j11	0.114751	0.247408	0	1	1
Man1a2_j1	0.160635	0.240956	0	1	1
Ptgfrn_j3	2.70901	2.26949	0	1	1
XLOC_021542	0.0475531	0.0246174	-0.949858	0.64577	1
XLOC_021542	0.0309054	0.0580135	0.90853	0.609018	1
Slc22a15_j1	0.423598	0.308343	-0.458159	0.121889	0.434788
Hipk1_j4	5.60263	7.21097	0	1	1
Magi3_j2	0.621846	0.555654	0	1	1
Lrig2_j3	0.475151	0.43541	-0.126011	0.704972	0.892212
Lrig2_j4	0	0.600235	1.79769e+308	4.45E-11	4.86E-09
Mov10_j6	0.176674	0.242247	0	1	1
Mov10_j7	0.0857844	0.0974342	0	1	1
Capza1_j5	0.233709	0.184507	-0.341035	0.726854	0.90322
Cttnbp2nl	0	1.22554	0	1	1
Rap1a_j5	0.279698	0.229378	-0.286143	0.750755	0.913558
Atp5f1_j1	34.8975	29.2	0	1	1
Cept1_j2	4.22168	6.88821	0	1	1
Csf1_j1	0.0517534	0.684095	0	1	1
Csf1_j2	3.78982	8.09521	0	1	1
Gstm1_j1	0.423503	0.651255	0.62085	0.183759	0.524378
Gstm4	1.72987	1.92209	0.152009	0.613442	0.847579
Ampd2_j5	1.12744	1.3314	0	1	1
Ampd2	0.893187	0.669381	0	1	1
Celsr2_j4	0	0.179662	1.79769e+308	1.05E-06	4.30E-05

Prpf38b_j2	1.96207	1.59202	0	1	1
Fam102b_j2	0.963829	1.85996	0	1	1
Ntng1_j6	3.61315	2.34269	0	1	1
Rnpc3_j1	0	0.241394	0	1	1
Rnpc3_j9	0.0626682	0.279263	0	1	1
Rnpc3_j11	0.18876	0.357019	0	1	1
Rnpc3_j10	0.463698	0.983267	0	1	1
Ccdc76_j5	0.173349	0.383534	1.14567	0.0975095	0.385892
Hiat1_j2	0.841074	0.83546	0	1	1
Slc35a3_j1	7.52494	6.45642	-0.220946	0.0484376	0.253307
D3Bwg0562e_j2	0.334555	0.897627	0	1	1
D3Bwg0562e_j1	0.617788	1.9127	0	1	1
XLOC_021623	0.137167	0.0303083	-2.17814	0.0818475	1
XLOC_021623	0.0401699	0.130015	1.69449	0.0657191	1
Rwdd3_j4	0.000166184	0.466546	11.455	0.878932	0.961379
Tmem56_j1	0.901004	0.944927	0	1	1
Slc44a3_j1	0	0.0604515	1.79769e+308	0.147478	1
Synpo2_j3	0.610808	0.559045	-0.127755	0.54724	0.813536
XLOC_021637	0.0171844	0.118826	2.78968	0.177464	1
Ndst3_j2	0.326863	0.937056	0	1	1
XLOC_021640	74.2022	84.0127	0.179146	0.142843	0.469772
Ugt8a_j1	0	0.0894425	1.79769e+308	0.0012715	1
Ank2_j1	32.7609	22.645	0	1	1
Ank2_j3	0.49042	0.446755	0	1	1
Ank2_j4	4.02113	3.73123	0	1	1
Alpk1_j8	0.0840104	0.352705	0	1	1
Alpk1_j9	0.0602792	0.143896	0	1	1
Ap1ar_j1	3.58195	0.494025	0	1	1
Egf_j5	0.100609	0.0853311	-0.237612	0.839971	1
Cyp2u1_j3	0.134561	0.173625	0.367717	0.546565	0.81304
Cyp2u1_j5	0.0623412	0	-1.79769e+308	0.003539	1
Sgms2_j3	0.900368	0.799998	0	1	1
Cisd2_j1	10.5804	9.58025	-0.143257	0.234108	0.581507
Dapp1_j2	0.0872023	0.0688013	-0.341931	0.757747	1
Dapp1_j3	0	0.0582354	1.79769e+308	0.0580144	1
Dapp1	0.0778541	0.175211	1.17025	0.0820304	0.349075
Mttp_j1	0.692951	0.692062	-0.00185151	0.994185	0.998344
Rap1gds1	14.401	15.904	0	1	1
Bmpr1b_j1	0	0.119089	1.79769e+308	0.0033315	1
Bmpr1b_j2	0.558974	0.201407	-1.47267	0.0009442	0.0136487
Bmpr1b_j3	0.205721	0.193956	-0.084955	0.854082	0.953758
Bmpr1b_j4	3.72E-05	0.189523	12.3132	0.90863	0.971192
Pdlim5_j1	0.249478	0.221645	0	1	1
Pdlim5	1.56797	1.46021	0	1	1
Clca3_j1	0.00720503	0.347888	5.59347	0.294292	0.641033
Clca3_j2	0.106073	0.275503	1.37701	0.0042142	0.0445322
Clca5_j2	0.0457198	0.0981593	1.1023	0.394899	1

Cyr61_j1	0.0430995	0.0832526	0.949826	0.471086	1
Wdr63_j1	0.0464845	0.114773	1.30397	0.198929	1
Lphn2_j11	0.385007	0.579272	0.589357	0.0654301	0.304784
Lphn2_j14	0.439241	0.31032	-0.501256	0.165707	0.50238
Lphn2_j5	0	0.610362	1.79769e+308	2.01E-10	1.91E-08
Lphn2_j15	0.732986	0.82237	0.166002	0.508963	0.790628
Ifi44_j5	0	0.15077	1.79769e+308	0.0139258	1
Ptgrf_j4	0.0679653	0.0961357	0.500275	0.444955	1
Dnajb4_j4	5.49954	6.84056	0	1	1
Ak5_j1	7.35789	7.06984	0	1	1
Ak5_j4	6.65444	6.28554	0	1	1
Cth	0.12707	0.382967	1.5916	0.0070271	0.0660538
Srsf11_j5	1.4074	2.93583	0	1	1
Lrrc7_j1	1.14E-05	0.0590275	12.3331	0.994863	1
Gm8935	1.11741	0.958758	-0.220921	0.659631	0.870768
Raly1_j1	0.112931	0.0570947	-0.984019	0.613331	1
Raly1_j6	0	0.861561	1.79769e+308	0.001652	0.0214033
2610100L16Rik_j2	0	0.167935	1.79769e+308	0.0268603	0.172652
Tbl1xr1_j5	4.72108	5.13408	0	1	1
XLOC_020782	0.0922179	0.139585	0.598029	0.497361	1
Tnfsf10_j3	0.0574427	0.0464662	-0.305942	0.759048	1
Pld1_j6	0	0.063702	1.79769e+308	0.0203465	1
Tnik_j2	0	0.144843	0	1	1
Slc2a2_j1	0.030534	0.0667281	1.12788	0.345654	1
Rpl22l1_j2	0.107049	0.10847	0.0190183	0.988694	1
Rpl22l1_j3	3.13241	3.07348	-0.0274002	0.92954	0.978386
Rpl22l1_j6	1.08307	1.17631	0.119151	0.835897	0.94731
XLOC_020790	0.181508	0.176136	-0.0433408	0.945261	0.983703
Gpr160_j6	0.180482	0.142307	-0.342843	0.670911	0.875546
Gpr160_j9	0	0.0669323	1.79769e+308	0.113576	1
Prkci_j4	1.15989	1.44737	0	1	1
XLOC_020799	0.076551	0.104353	0.446983	0.595065	1
Zfp639_j3	6.46014	6.85543	0	1	1
Usp13_j1	5.40698	4.81628	0	1	1
Usp13_j5	1.88668	1.85268	0	1	1
Sox2ot_j2	0.618271	0.500926	-0.303643	0.402833	0.726002
Sox2ot_j7	0	0.162517	1.79769e+308	0.0044138	0.0463002
XLOC_020811	0.0298622	0.107604	1.84934	0.211248	1
Acad9_j1	7.79316	6.99259	-0.156381	0.298208	0.644835
4932438A13Rik_j13	0.264388	0.497211	0.911204	0.0196629	0.139199
4932438A13Rik_j14	0	0.123889	1.79769e+308	0.0067886	1
4932438A13Rik_j15	6.19075	6.76404	0.127772	0.403252	0.72622
Spata5_j1	0	0.0496828	1.79769e+308	0.0141899	1
Plk4_j2	0.278206	0.376185	0.435286	0.368256	0.701598
D3Ertd751e_j2	0.523227	0.824942	0	1	1
Rab33b_j2	4.3462	3.04903	0	1	1
XLOC_020844	0.170654	0.209341	0.294782	0.624395	0.853349

Mgst2_j2	0	0.132356	1.79769e+308	0.10808	1
Lhfp_j2	4.1928	4.41646	0	1	1
Postn	0.131624	0.0876466	-0.586653	0.548121	1
Postn	0.149451	0.0922414	-0.696188	0.464288	0.764619
Fam48a_j5	1.6845	2.61931	0.636864	0.0037949	0.0413312
Dclk1_j2	10.5613	8.20423	0	1	1
Eif2a_j4	4.64404	6.73904	0	1	1
Mbnl1_j3	4.21893	4.09427	-0.0432685	0.818279	0.941038
Mbnl1_j2	1.41485	0.798964	-0.824444	0.0628835	0.296948
Mbnl1_j8	0.598331	0.470454	-0.346891	0.579555	0.830975
XLOC_020874	0.0783061	0.191042	1.28669	0.198824	0.541954
XLOC_020874	0.0645944	0.0653095	0.0158846	0.991257	1
XLOC_020874	0.0721087	0.191537	1.40937	0.130162	0.449228
XLOC_020874	0.0655335	0.0961291	0.55274	0.398522	1
XLOC_020874	0	0.132684	1.79769e+308	0.0853233	1
Gmps_j2	4.61098	5.55127	0.267743	0.110905	0.414459
Kcnab1_j1	10.122	7.69752	-0.395034	0.0007005	0.010727
Tiparp_j1	5.83706	5.63397	-0.0510888	0.691535	0.885739
Lekr1_j8	0.120432	0.175857	0.54618	0.254529	0.602758
Ptx3	0.128076	0.317552	1.30999	0.0412683	0.228493
Rsrc1_j2	2.98355	2.77264	-0.105771	0.611327	0.846879
Smc4_j2	6.67001	7.22078	0	1	1
XLOC_020892	0.215587	0.255883	0	1	1
Fgg_j3	0.659173	0.32962	-0.999851	0.32889	0.671231
Lrba_j11	0.958925	0.869697	-0.140905	0.570114	0.826154
XLOC_020921	0.128345	0.228288	0.830831	0.358577	0.693917
Arhgef11_j7	0.0296984	0.0580169	0	1	1
Insrr_j5	0.578731	0.454423	-0.348855	0.385897	0.714331
Isg20l2_j1	2.43947	2.836	0.217291	0.246511	0.594158
Mef2d_j2	7.92095	7.25317	0	1	1
Cct3_j5	0	0.295776	1.79769e+308	0.005224	0.0524084
Arhgef2_j5	0.535685	0.456019	0	1	1
Arhgef2_j8	0.208972	1.25847	0	1	1
Rit1	4.00931	5.52144	0	1	1
Clk2_j7	4.3564	4.70754	0	1	1
Pbxip1_j3	0.0594667	0.0935469	0.653607	0.481469	1
Pmvk_j1	11.4265	13.1346	0.200994	0.261447	0.610687
Nup210l_j8	0.0406718	0.0508522	0.322282	0.809716	1
Dennd4b_j1	0.450137	0.238513	-0.9163	0.0280854	0.177852
S100a16	2.13305	1.59475	0	1	1
S100a5_j1	3.13E-06	0.367067	16.8373	0.999267	0.999636
XLOC_020978	0.178347	0.232561	0.382915	0.525923	0.800977
S100a10_j2	45.2773	74.7117	0.722548	0.0018094	0.0230926
S100a10_j3	17.1043	54.0539	1.66004	5.48E-08	3.19E-06
Celf3_j4	0.360732	0.856617	1.24772	1	1
Pogz_j6	0.359498	0.195883	0	1	1
Pi4kb_j3	5.94564	6.39741	0.105657	0.445314	0.752905

Lysmd1_j2	0.87482	0.548679	-0.673024	0.0215951	0.148631
Sema6c_j9	0.181584	0.290475	0	1	1
Cdc42se1_j1	0.182944	0.130083	0	1	1
Fam63a_j2	0.0820218	0.0689608	0	1	1
Lass2_j1	0.0365204	0.474522	0	1	1
Arnt_j5	2.18096	2.65678	0	1	1
Otud7b_j5	0	0.30866	0	1	1
Sf3b4_j6	0.360944	0.510047	0	1	1
Ankrd35_j1	0.239122	0.172492	-0.471216	0.418666	0.735429
Wars2	0	0.108176	1.79769e+308	0.0004588	1
Trim45	0.151791	0.220027	0.535591	0.272683	0.621524
Igsf3_j1	0.208408	1.98536	0	1	1
Nhlh2_j2	0	0.205449	1.79769e+308	0.004558	0.0473672
Sike1_j2	1.27372	1.5336	0	1	1
Syt6_j4	0.000178809	0.370715	0	1	1
Phtf1_j4	0.0839111	0.128968	0	1	1
Ppm1j_j4	0	0.624951	0	1	1
XLOC_021076	0.0570172	0.137358	1.26847	0.529919	1
Wdr77_j1	9.0087	9.69964	0	1	1
Chia_j4	0	0.234342	1.79769e+308	0.0134082	0.106274
Pma5_j4	1.86186	1.73037	-0.10567	0.834881	0.946943
Psrc1_j1	0	0.0920706	1.79769e+308	0.0429769	1
Wdr47_j2	0.0697389	0.150487	0	1	1
Wdr47_j9	3.32234	5.0024	0	1	1
Vav3_j5	0.103283	0.246294	0	1	1
XLOC_021113	0.0298727	0.0522669	0.807071	0.623732	1
Extl2_j3	11.1627	9.68274	0	1	1
XLOC_021118	0	0.181872	0	1	1
XLOC_021121	0.0754097	0.285144	1.91887	0.102677	0.396998
XLOC_021122	0.549485	0.601131	0	1	1
Arhgap29_j5	0	0.0751426	0	1	1
Dnttip2_j1	3.13778	3.77243	0.26575	0.191586	0.533749
Bcar3	0.930758	0.975294	0	1	1
Gm9364	0.520899	0.718288	0.46356	0.289537	0.637026
Sec24d_j2	0.0307991	0.0739577	0	1	1
Prss12_j1	4.24758	8.55555	1.01022	2.98E-08	1.87E-06
AK029402_j1	0.318011	0.19986	0	1	1
4930422G04Rik_j1	0.0901386	0.0519124	-0.796065	0.314318	1
4930422G04Rik_j12	0.161655	0.29292	0.857589	0.140254	0.465809
4930422G04Rik_j13	0.0253924	0.20746	3.03037	0.102276	0.396324
Tifa_j4	0	0.119895	1.79769e+308	0.036788	1
XLOC_021144	0.0259391	0.208187	3.00468	0.158586	0.492904
Col25a1_j3	0.124537	0.358405	1.52501	0.0009669	0.0139194
Col25a1_j7	0	0.0719638	1.79769e+308	0.0166978	1
Ppa2_j1	0.124914	0.179233	0	1	1
Ppa2_j5	6.82229	7.05911	0	1	1
AK050464_j3	0	0.0996234	1.79769e+308	0.039406	1

AK050464_j2	0	0.129062	1.79769e+308	0.031681	1
Bdh2	0.00362234	0.273761	6.23985	0.301714	0.648004
Nhedc2_j7	0	0.0635564	1.79769e+308	0.154024	1
Ube2d2b_j2	1.38916	1.26107	-0.139562	0.524177	0.799783
Ube2d2b_j3	0.251832	0.158832	-0.664964	0.190735	0.533053
Ube2d2b_j6	0.367483	0.517997	0.495267	0.141881	0.46851
XLOC_021171	1.33E-05	0.0843033	12.63	0.990537	1
Ppp3ca_j2	13.5123	20.3615	0	1	1
Ppp3ca_j6	31.5777	25.5551	0	1	1
XLOC_021173	0.154686	0.269373	0.800257	0.541899	0.809832
XLOC_021173	0.0765824	0.0851461	0.152927	0.893874	1
H2afz_j1	0.251273	0.221784	-0.180099	0.869081	0.958391
Mapksp1_j5	0.0810385	0.101619	0.326484	0.775619	1
Mapksp1_j7	0.126609	0.10827	-0.22575	0.696544	1
Eif4e_j3	0.0531865	0.0210226	0	1	1
XLOC_021183	0.192881	0.11178	0	1	1
Tspan5_j5	1.30395	1.31065	0	1	1
Gbp5_j1	0.164387	0.243038	0.564086	0.433239	0.744702
Gbp5_j2	0.269277	0.195878	-0.459138	0.407851	0.728232
Sep15_j4	2.01796	1.14061	0	1	1
Odf2l_j12	0.0470105	0.511057	3.44243	0.0053889	0.0537111
Col24a1_j5	0.537311	0.131926	0	1	1
Col24a1_j8	0.270186	0.517308	0	1	1
Znhit6_j2	0.104042	0.023982	-2.11714	0.0429947	1
Znhit6_j1	0	0.0544161	1.79769e+308	0.0135653	1
Mcoln2	0	0.247769	1.79769e+308	0.0013306	0.0179903
Mcoln2_j5	0.081727	0.0954976	0.224651	0.867476	1
Lpar3_j4	7.70007	5.98322	-0.363949	0.117152	0.425668
Fubp1_j1	1.38998	4.32763	0	1	1
Fubp1_j2	1.29767	0.751868	0	1	1
XLOC_021218	0.181061	0.102841	-0.816054	0.491725	0.780573
Lrriq3_j5	0.00559616	0.10155	4.18161	0.223532	1
Pxmp3_j3	2.55517	3.18531	0	1	1
XLOC_021239	0.0504363	0.112322	1.15511	0.267646	1
Il7_j1	0	0.0596079	1.79769e+308	0.0960945	1
Il7_j2	0.208852	0.207982	-0.00602594	0.992182	0.997649
XLOC_021244	0.172881	0.149247	-0.212081	0.804966	0.935545
Tpd52_j8	35.8092	33.5455	0	1	1
Tpd52_j10	0	0.282836	0	1	1
Pag1_j2	0	0.135438	0	1	1
Zfand1_j2	0.0553444	0.131203	1.24529	0.245407	1
Zfand1_j7	0.273196	0.182902	-0.578867	0.507955	0.789986
Car1_j3	0	0.08873	1.79769e+308	0.126046	1
LOC100038947_j1	0	0.0781045	1.79769e+308	0.0523434	1
Armc1_j1	5.2199	5.30548	0.0234609	0.888267	0.964649
Hps3_j5	0	0.0784961	0	1	1
Hps3	0.663024	0.853559	0	1	1

XLOC_021274	0.864991	1.64217	0.924848	0.0016135	0.0209772
Nlgn1_j8	0.383121	0.063711	-2.58819	0.0893857	0.36655
Fndc3b_j4	0.000105457	0.352183	0	1	1
Mecom_j8	0	0.0543173	1.79769e+308	0.0928509	1
Phc3_j6	3.00054	2.67038	0	1	1
Zmat3_j3	5.43753	8.81959	0	1	1
Mrpl47_j1	0.568251	1.07455	0	1	1
Pex5l_j8	4.33096	2.84015	-0.608722	2.14E-05	0.0005858
Pex5l_j7	2.70153	2.60978	-0.0498496	0.747827	0.912276
Dnajc19_j2	0	0.227725	0	1	1
Dnajc19_j6	0.0731125	0.0868959	0	1	1
Dcun1d1_j2	0	0.0571774	1.79769e+308	0.300225	1
Mccc1_j6	0	0.0595484	1.79769e+308	0.0344483	1
Qrfpr	0.204343	0.888193	2.11988	0.0027835	0.032434
Bbs7_j2	1.10141	1.67442	0.604303	0.116192	0.424224
Trpc3_j6	2.41975	4.43283	0	1	1
EG381438	145	172.058	0.246844	0.0146278	0.112856
AK012035_j4	0.124763	0.139638	0.162501	0.897415	1
Pcdh18_j2	0	0.0584322	1.79769e+308	0.0942241	1
Setd7_j1	24.7214	27.5292	0.155203	0.0751902	0.33096
Nhlrc3_j1	0.039212	0.0694532	0.824745	0.381291	1
Frem2_j2	0.292805	0.609614	1.05795	0.0019983	0.0249359
Nbea_j6	0.241721	0.194142	-0.31623	0.537341	0.807503
Commd2_j1	8.46578	9.07723	0.10061	0.53831	0.807888
Pfn2_j1	177.973	176.504	0	1	1
XLOC_021350	0.0279577	0.226336	3.01715	0.131095	0.450672
Gpr149_j3	0.000154285	0.629202	0	1	1
Plch1_j2	0.05842	0.112183	0.941317	0.2911	1
Ccnl1_j2	1.76351	1.87181	0.0859881	0.655501	0.868365
Ccnl1_j3	0	0.0521096	1.79769e+308	0.123604	1
Ccnl1_j4	0.795009	1.59691	1.00624	0.0003077	0.0054588
Ccnl1_j11	0.69449	0.712566	0.0370701	0.871563	0.959237
Rapgef2	1.92023	1.66733	0	1	1
Rapgef2_j4	0.645228	0.634434	-0.0243405	1	1
Rxfp1_j3	0	0.0985924	1.79769e+308	0.0201275	1
Gria2_j3	0.205583	0.168808	-0.284336	0.577961	0.83012
Gria2_j10	0.363031	0.186396	-0.96172	0.0229365	0.154827
Glr3_j3	0	0.119779	0	1	1
D930015E06Rik_j2	0	0.0531014	1.79769e+308	0.0328728	1
Mnd1_j2	0.20994	0.317775	0.598029	0.572109	0.827134
Arfp1_j5	0.345076	0.759311	0	1	1
Rps3a_j6	0.108874	0.161367	0.567684	0.451635	0.75674
Dclk2_j4	0.00173619	0.888425	0	1	1
Kirrel_j4	0.0816182	0.311	0	1	1
Pear1_j6	1.19321	0.954767	0	1	1
Pear1_j9	0.667548	0.729227	0	1	1
Pear1_j8	0.174443	0.534111	0	1	1

Pear1_j7	0.507679	0.655563	0	1	1
Prcc_j3	13.0475	16.43	0.332558	0.0916366	0.371989
Prcc_j5	3.85242	7.88048	1.03252	3.84E-06	0.0001348
BC023814_j4	1.97543	1.96228	0	1	1
Bcan_j1	6.25303	5.59357	0	1	1
Apoa1bp_j1	14.4905	13.0136	0	1	1
Sema4a_j1	0.365378	1.33675	0	1	1
Sema4a_j2	0.876634	0.299491	0	1	1
Syt11_j8	39.8351	44.7344	0	1	1
Dap3_j3	24.4326	25.8954	0.0838889	0.460133	0.761714
Rusc1_j6	0.261319	0.46235	0	1	1
Rusc1_j7	4.23716	5.97627	0	1	1
Fdps_j1	0.756023	0.417331	-0.857237	0.0605028	0.290023
Adam15_j5	7.40263	9.25323	0	1	1
Chrn2_j3	1.6564	2.10788	0.347745	0.0331906	0.198764
Chrn2_j4	4.34726	2.58681	-0.748933	1.90E-08	1.26E-06
Il6ra_j1	1.57E-05	0.162906	13.3429	0.964622	0.989999
Atp8b2_j7	4.55557	5.39385	0	1	1
Ubp2l_j1	2.12244	2.46761	0	1	1
Ubp2l_j6	2.67114	3.26614	0	1	1
Creb3l4_j1	0.0856598	0.143661	0.745973	0.39361	1
Npr1_j6	0.0295745	0.157636	2.41417	0.207125	0.551651
Npr1_j7	0.376551	0.287738	-0.388087	0.277949	0.626763
XLOC_021476	0.0717775	0.220205	1.61724	0.278341	0.627262
Lor_j1	0.0999745	0.3028	1.59873	0.039947	0.223616
Lelp1_j1	0.121986	0.416479	1.77152	0.0002452	0.0045452
Lce1f	0.0746522	0.183023	1.29377	0.40333	0.726254
Snx27_j1	10.535	9.87228	0	1	1
Cgn_j1	0.563212	0.232832	0	1	1
Psm4_j1	94.4109	101.219	0	1	1
Zfp687_j3	0.131384	0.210671	0.681203	0.110578	0.413852
Pip5k1a_j1	2.56592	2.97483	0	1	1
Gabpb2_j1	0.116816	0.272794	0	1	1
Bnip1_j1	0.0569294	0.0965118	0.761531	0.525785	1
Prune_j1	7.54408	8.02215	0	1	1
Anxa9_j3	0.0888054	0.109912	0.307624	0.733314	1
Anxa9_j4	0.105908	0.161103	0.605173	0.400011	0.723563
Setdb1_j1	0.94836	1.19421	0	1	1
Setdb1_j4	2.22844	2.33076	0	1	1
Adamts4_j4	0.406498	0.389635	-0.0611262	0.868901	0.958389
Tars2_j2	0.356463	0.388817	0.125337	0.58333	0.833121
Tars2_j1	0.0881447	0.0678475	-0.377579	0.410501	1
Plekho1_j2	8.21058	12.2887	0	1	1
Vps45_j1	3.38868	3.28278	-0.0458038	0.878219	0.96104
Bola1_j1	8.70158	8.51885	-0.0306193	0.871114	0.959006
XLOC_021517	0.282959	0.481435	0.766747	0.0269455	0.173063
Bcl9_j2	0	0.0765138	0	1	1

Pde4dip_j3	9.21134	9.56325	0	1	1
Man1a2_j2	10.5781	9.27256	0	1	1
Ptgrn_j1	0	0.194146	0	1	1
Atp1a1_j3	318.95	312.106	0	1	1
Hipk1_j5	1.16146	3.17401	0	1	1
Magi3_j3	8.63818	9.56599	0	1	1
Fam19a3_j3	2.15369	2.66032	0	1	1
Mov10_j5	0.257703	0.206446	0	1	1
Mov10	0	0.211516	0	1	1
Rap1a_j3	0.00279438	0.103896	5.21647	0.0283581	1
Atp5f1_j3	1.80271	1.35831	0	1	1
Atp5f1_j5	0.161519	0.0840436	0	1	1
Cept1_j3	4.27604	4.19225	0	1	1
Slc6a17_j1	28.4317	22.6105	0	1	1
Fam40a_j1	0	1.39722	1.79769e+308	3.21E-07	1.50E-05
Ahcyl1_j1	19.1687	20.7433	0	1	1
Csf1_j4	2.73887	9.28971	0	1	1
4933431E20Rik_j1	0.321304	0.374039	0.219249	0.549619	0.814872
Gnai3_j1	0	0.144708	0	1	1
Cyb561d1_j2	3.6895	4.09145	0	1	1
Atxn7l2_j5	1.30844	1.15437	0	1	1
Stxbp3a_j2	0	0.414591	1.79769e+308	0.0046141	0.0477981
Prpf38b_j1	0	0.0863701	0	1	1
Fam102b_j1	20.6124	23.4917	0	1	1
Ntng1_j5	0	0.369253	0	1	1
Rnpc3_j5	0	0.111221	0	1	1
XLOC_021601	0.0265401	0.167955	2.66183	0.267766	0.616423
Ccdc76_j6	0.491773	0.356129	-0.465594	0.485099	0.776871
XLOC_021619	0.0782468	0.236417	1.59523	0.0955514	0.381587
XLOC_021623	0.0583742	0.0910897	0.641956	0.520721	1
Tmem56_j2	6.20225	3.51669	0	1	1
Fnbp1l_j6	0	0.109578	0	1	1
Usp53_j6	0.378212	0.349117	-0.115483	0.743746	0.910328
XLOC_021640	63.8654	71.3531	0.15994	0.360963	0.69571
Ank2_j3	28.3357	54.4781	0	1	1
Ank2_j11	19.6514	21.3718	0	1	1
Larp7_j1	0	0.194554	1.79769e+308	0.0083672	0.075018
Ap1ar_j7	5.26055	11.3498	0	1	1
Ap1ar_j8	0	0.644594	0	1	1
Enpep_j1	0.569293	0.731542	0.361771	0.206646	0.551278
Egf_j6	0.0616897	0.12903	1.0646	0.35021	1
Gar1_j3	0.0658124	0.0631837	-0.0588078	0.972631	1
Sec24b_j1	3.98774	6.51836	0	1	1
Rpl34_j1	0.106104	0.179781	0.760771	0.265276	0.614091
Npnt_j1	0.0167416	0.0895214	2.4188	0.0986811	1
Tet2_j2	0.0771519	0.25109	0	1	1
Bank1_j3	0.274406	0.238458	-0.202576	0.833344	0.946329

Mttp	0.269347	0.372961	0.469561	0.196328	0.539086
Rap1gds1_j2	17.5579	29.9117	0	1	1
Pkn2_j2	0	0.0917256	1.79769e+308	0.003938	1
Clca1_j1	0.0913917	0.128706	0.493948	0.596472	1
Wdr63_j3	0.0324538	0.0504139	0.635434	0.736212	1
Lphn2_j4	0.337199	0.309152	-0.125283	0.737571	0.907523
Ptgfr_j5	3.48085	2.64627	-0.395477	0.0013471	0.0181634
Dnajb4_j1	0	0.351539	0	1	1
Dnajb4_j3	3.98079	3.09435	0	1	1
St6galnac5_j2	0.0375635	0.0589672	0	1	1
Acadm_j2	11.5298	11.9355	0.0498957	0.763237	0.918454
Pkia_j2	0	1.19191	0	1	1
XLOC_020750	0.0783356	0.132855	0.762113	0.467005	1
Raly1_j4	0	0.268035	1.79769e+308	0.0220003	0.150539
AK020793_j1	0.0631644	0.173538	1.45807	0.201683	0.545292
Dnajc5b_j3	0	0.0687328	1.79769e+308	0.0835417	1
Hltf_j2	0.481015	0.575197	0.257973	1	1
Hltf_j5	0	0.171312	1.79769e+308	0.0032025	0.0363258
Hltf_j8	1.33066	1.33366	0.00325369	0.993305	0.997985
XLOC_020778	0.0904105	0.188428	1.05945	0.329478	0.671707
Tbl1xr1_j1	0.000175939	0.16851	0	1	1
XLOC_020782	0.0189363	0.174787	3.20637	0.102419	0.396457
XLOC_020782	0.067868	0.124407	0.874262	0.336218	1
Plid1_j9	0	0.103366	1.79769e+308	0.0296691	1
Plid1_j10	0.385673	0.158203	-1.2856	0.0804302	0.344996
Tnik_j4	0.0224246	0.0574342	0	1	1
Egfm1_j9	0	0.0976444	1.79769e+308	0.049059	1
Gpr160_j10	0	0.135782	1.79769e+308	0.0361514	1
Pik3ca_j2	0.861966	0.78774	-0.129912	0.56682	0.824722
Mfn1_j1	5.13785	4.69094	0	1	1
Ndufb5_j2	2.2815	2.41709	0	1	1
Ttc14_j1	0.482848	0.0961303	-2.3285	4.72E-08	2.80E-06
Ttc14_j3	0.699023	0.577203	-0.27626	0.236602	0.583799
Fxr1_j1	6.60598	6.85141	0	1	1
Fxr1_j2	2.19134	6.79667	0	1	1
Atp11b_j1	0.524806	0.675056	0.363223	0.370018	0.703535
A330050B17Rik_j1	0.410439	0.44299	0.110107	0.849543	0.952228
Plk4_j1	0.703371	0.478125	-0.556899	0.125835	0.441688
Plk4_j3	0.00013648	0.161745	10.2108	0.850178	0.952363
Plk4_j5	0.286091	0.347977	0.282519	0.589007	0.835956
3110057O12Rik	0.377381	0.376487	-0.00342278	0.9944	0.998387
3110057O12Rik_j1	0.0606843	0.0676382	0.156515	0.91327	1
Larp1b_j1	0.266451	0.344131	0.369084	0.431975	0.74396
Larp1b_j2	0.508557	0.525407	0.0470262	0.923339	0.97612
D3Erttd751e_j1	0	0.0861629	0	1	1
Trpc4_j6	0.411696	0.241952	-0.766856	0.0985628	0.388048
XLOC_020851	0.284678	0.194604	-0.548786	0.360808	0.695583

Postn_j2	1.57287	1.50596	-0.0627119	0.822361	0.942695
Fam48a_j3	0.617479	0.829582	0.425994	0.237035	0.583799
Eif2a_j3	0.203594	2.00583	0	1	1
Med12l_j5	0.643211	0.325634	-0.982042	8.02E-05	0.0017771
Med12l	0.640733	0.604468	-0.0840573	0.679966	0.879611
Med12l_j12	0.647124	0.744733	0.20268	0.457341	0.760373
Mbnl1_j4	1.05286	1.50692	0.517291	0.193267	0.535585
Mbnl1_j11	8.41509	8.11867	-0.0517365	0.791632	0.930476
XLOC_020873	0.0795932	0.159687	1.00453	0.261761	0.610917
XLOC_020874	0.160648	0.535409	1.73674	0.0501098	0.258665
Mme_j3	0	0.345655	0	1	1
Lekr1_j2	0.0800984	0.187026	1.2234	0.420838	0.736999
Lekr1_j4	0.0373199	0.139437	1.9016	0.298407	1
Ptx3_j2	0	0.482591	1.79769e+308	1.91E-05	0.0005348
Iqcj-schip1_j3	2.73293	6.97177	1.35108	3.59E-06	0.0001265
Otol1_j2	0	0.09505	1.79769e+308	0.109976	1
Ppid	5.69124	5.79323	0.0256249	0.86991	0.958673
4930579G24Rik_j1	0.404683	0.482008	0.252265	0.592829	0.8379
Fam198b_j2	0.196156	0.257275	0	1	1
Ctso_j1	0	0.600775	1.79769e+308	5.87E-05	0.0013639
Fbxw7_j2	0.692833	4.78655	0	1	1
Sh3d19_j4	1.55807	2.24098	0	1	1
Lrba_j7	0.45123	0.520646	0.20644	0.382947	0.712835
Lrba_j13	0.663184	0.385387	-0.783102	0.218053	0.564432
XLOC_020921	0.448647	0.564305	0.330894	0.688185	0.884104
Arhgef11_j8	1.4709	5.03701	0	1	1
Arhgef11_j9	1.97603	1.3842	0	1	1
Hdgf_j4	46.6505	43.1095	0	1	1
Iqgap3_j5	0.271629	0.252307	-0.106456	0.878739	0.961284
XLOC_020931	0.097879	0.105204	0.104112	0.903066	1
Cct3_j1	0.652611	0.683867	0.0674921	0.894744	0.966783
Cct3_j3	0	0.130679	1.79769e+308	0.0350547	1
Cct3_j2	0	0.267655	1.79769e+308	0.0034897	0.0388507
0610031J06Rik_j1	11.4673	13.6413	0	1	1
Smg5_j1	4.43677	4.42627	0	1	1
Paqr6_j3	5.24412	5.06761	0	1	1
Ubqln4_j2	9.85873	11.5045	0	1	1
Clk2_j4	0.187038	0.340047	0	1	1
Clk2_j3	0.299933	0.185192	0	1	1
Gba_j2	3.86287	3.15834	0	1	1
Shc1_j7	2.92862	1.01474	-1.52911	3.78E-10	3.40E-08
Shc1_j6	0.759326	0.415046	-0.871449	0.023268	0.156304
4933434E20Rik_j2	5.95281	8.36139	0	1	1
4933434E20Rik_j3	0	0.0849068	0	1	1
Tpm3_j1	2.12678	2.39108	0.16899	0.459226	0.761406
Tpm3_j3	2.24953	2.78222	0.306612	0.129709	0.448649
Tpm3_j5	0.649279	1.31657	1.01987	0.0013244	0.0179197

Nup210l_j10	0.05022	0.116682	1.21625	0.0863089	1
Crtc2_j1	11.1922	11.5356	0.0436072	0.743721	0.910328
S100a13_j4	120.609	146.773	0.283248	0.0039701	0.042668
S100a3_j4	0	0.112355	1.79769e+308	0.0444605	1
S100a3_j5	0.0707915	0.117155	0.726777	0.603258	1
S100a7a_j1	0.396949	0.621331	0.64641	0.131399	0.451294
S100a7a	0.455702	0.516786	0.181477	0.641052	0.861567
Sprr2g	0.103875	0.253021	1.2844	0.277958	0.626763
Celf3_j2	0.0713753	0.0720129	0	1	1
Celf3_j5	0.06875	0.145101	0	1	1
Celf3_j6	0.0145709	0.369165	0	1	1
Pogz_j2	0.054754	0.067601	0	1	1
Tmod4_j2	0.0316879	0.0853745	1.42987	0.204183	1
Sema6c_j4	0.0711155	0.598712	0	1	1
Fam63a_j5	9.49063	10.0175	0	1	1
Lass2_j3	2.04638	1.59809	0	1	1
Arnt	0.384669	0.317664	0	1	1
Aph1a_j8	0.0375708	0.0541546	0.527471	0.643046	1
Otud7b_j10	2.92464	4.68176	0	1	1
Mtmr11_j2	0.628955	0.524122	-0.263054	0.465407	0.765323
Sf3b4_j2	0.20168	1.08366	0	1	1
Sf3b4_j3	5.4339	5.66193	0	1	1
Sv2a_j1	1.53656	1.90457	0	1	1
Fmo5_j3	0.0174711	1.24901	6.15967	2.75E-05	0.0007185
Fmo5	2.3443	1.26472	-0.890346	0.0004089	0.0068925
Csde1_j1	0.586777	0.812194	0	1	1
Ptpn22_j7	0	0.0686662	1.79769e+308	0.071426	1
Phtf1_j8	0.0154979	0.221255	0	1	1
Phtf1_j7	3.42289	2.74083	0	1	1
XLOC_021071	0.0378884	0.115069	1.60268	0.271275	1
XLOC_021076	0	0.171113	1.79769e+308	0.0008389	0.0124502
XLOC_021078	0.0975513	0.0638066	-0.612456	0.559663	1
Dennd2d_j1	0.0169733	0.133591	2.97648	0.314814	1
Kcna2_j1	0.251611	0.175099	0	1	1
Kcna2_j2	0.156033	0.314505	0	1	1
Slc16a4_j3	0.067851	0.0978069	0.527566	0.637948	1
Psm5_j2	0.879229	1.15229	0.390197	0.188827	0.530536
Psrc1	0	0.12238	1.79769e+308	0.0337629	1
Taf13	0.0144996	0.0577363	1.99347	0.306914	1
Vav3_j3	1.6473	2.14172	0	1	1
Col11a1_j5	1.87134	1.61497	0	1	1
Col11a1_j6	0.0606998	0.118602	0	1	1
Extl2_j2	0	0.10489	0	1	1
AK076759_j1	0.32444	0.230306	0	1	1
Alg14_j1	12.1152	11.972	0	1	1
Camk2d_j1	25.9712	32.9053	0	1	1
4930422G04Rik_j7	0.0259188	0.0466745	0.848637	0.536592	1

XLOC_021146	0.178702	0.187544	0.0696772	0.920314	0.975019
Lef1_j1	0.295891	0.391603	0.404326	0.30111	0.64749
Cenpe_j3	0	0.0487492	1.79769e+308	0.0820877	1
Cenpe_j2	0.0479615	0	-1.79769e+308	0.050764	1
Nhedc2_j6	0	0.0524841	1.79769e+308	0.171572	1
Ube2d2b_j4	14.6451	11.7489	-0.317895	0.003366	0.0377322
Manba_j2	0.10015	0.173	0.788607	0.245764	0.593119
XLOC_021173	0.653436	0.394085	-0.729539	0.384716	0.713387
Ddit4l_j1	0.0187231	0.062921	1.74872	0.369734	1
Mapksp1_j4	0.440246	0.445387	0.0167524	0.972966	0.992104
Rg9mtd2_j3	0.208201	0.244781	0	1	1
Eif4e_j2	1.22334	2.3617	0	1	1
Eif4e_j6	0.432339	0.80681	0	1	1
Tspan5_j6	0.550741	0.35886	0	1	1
Gbp3	0.707418	0.610484	0	1	1
Odf2l_j6	0.660832	0.424492	-0.638546	0.184483	0.524945
Odf2l_j11	0.0700287	0.173264	1.30696	0.238148	0.585036
Col24a1_j3	0.18236	0.962478	0	1	1
Znhit6	3.23659	3.7333	0.205976	0.400496	0.723924
Ddah1_j1	0.151327	0.801055	0	1	1
Lpar3_j5	0.384568	0.412746	0.102014	0.842935	0.950311
Ssx2ip	4.78038	6.00892	0	1	1
Ssx2ip_j3	1.55508	1.00055	0	1	1
Fubp1_j6	0.0409392	0.47696	0	1	1
4922501L14Rik_j10	1.30554	1.15519	-0.17652	1	1
4922501L14Rik_j9	0.00034914	0.164165	0	1	1
Zranb2_j1	10.8741	8.72837	-0.317113	0.0332609	0.199014
Ankrd13c	0.4465	0.793273	0.829156	0.0317259	0.192861
Pxmp3_j4	1.95102	1.75562	0	1	1
Pxmp3	0.280873	0.880619	0	1	1
XLOC_021244	0.018349	0.0921309	2.32799	0.334217	1
Tpd52_j4	21.0276	22.5328	0	1	1
Tpd52_j5	39.58	22.7212	0	1	1
Zfp704_j1	0.0795827	0.173189	1.12182	0.527355	0.801527
Pag1_j3	2.66851	2.60956	0	1	1
Car1_j2	0.191479	1.16728	2.60789	0.0004871	0.0079703
Pde7a_j3	0.327728	0.509095	0.635435	0.0535228	0.269378
Hps3_j2	4.02468	4.53214	0	1	1
Hps3_j3	0.207004	0.193862	0	1	1
Gyg_j2	0	0.305618	0	1	1
Gyg_j3	28.5243	23.4517	0	1	1
Cpa3	0.180757	0.339561	0.909621	0.101038	0.393603
Cpb1_j9	0.000338097	0.305505	9.81954	0.722859	0.901299
Cpb1_j8	0.153741	0.00663587	-4.53407	0.21093	0.555649
XLOC_021272	0.187343	0.558342	1.57547	0.0204814	0.143252
AK080657_j1	0.0335064	0.125354	1.9035	0.182716	1
XLOC_021273	0.0347406	0.148925	2.0999	0.0235301	1

XLOC_021273	0.00116449	0.244884	7.71626	0.807388	0.936475
Nlgn1_j2	0.0555298	0.0545226	-0.0264089	0.984266	1
Lrrc31_j6	0.0784218	0.0853085	0.121436	0.874321	1
Lrrc31_j5	0	0.172831	1.79769e+308	0.0004247	0.0071077
Phc3_j5	0.150045	0.254955	0	1	1
Mrpl47_j2	2.99227	2.51095	0	1	1
Ccdc39_j16	0.355567	0.42701	0.264146	0.366831	0.700361
Dnajc19_j4	2.29429	2.5831	0	1	1
RP24-396D16.1_j2	0.187314	0.271667	0.536378	0.468086	0.766788
Mccc1_j7	0.741318	0.640471	-0.210959	0.58013	0.831409
Anxa5_j1	173.979	163.791	0	1	1
Anxa5_j2	0.0688263	42.2915	0	1	1
Anxa5_j6	102.119	125.238	0	1	1
Bbs7_j1	0.845555	0.870541	0.0420141	0.913652	0.972914
Trpc3_j5	2.23147	2.17486	0	1	1
XLOC_021309	0.280595	0.272792	0	1	1
Ankrd50_j4	1.64375	2.50419	0	1	1
Mfsd8_j2	0.270956	1.2662	0	1	1
AK012035_j3	0.624458	0.575674	-0.117354	0.770695	0.922052
AK012035_j6	0.0788486	0.054878	-0.522857	0.833641	1
AK012035_j5	0.0784272	0.0538216	-0.543169	0.795751	1
Pcdh18_j1	1.72919	1.5076	-0.197843	0.445558	0.753013
Elf2_j4	0	0.224625	0	1	1
Elf2_j6	0.210468	0.841442	0	1	1
Elf2_j5	0.00709594	0.424914	0	1	1
Maml3_j2	0.139122	0.179718	0	1	1
Frem2_j5	0.163634	0.0869138	-0.912817	0.456789	0.760049
Frem2_j7	0	0.0611748	1.79769e+308	0.0668627	1
Nbea_j1	0.406832	0.584306	0	1	1
Nbea_j2	0.69756	1.27878	0	1	1
Tm4sf1_j2	1.51234	2.84888	0.913607	0.0001032	0.0022146
P2ry12_j3	0	0.162531	0	1	1
Slc33a1_j1	4.37705	4.15836	-0.0739437	0.737896	0.907728
Ssr3_j3	7.8099	8.4795	0	1	1
Ccnl1_j9	0	0.460408	1.79769e+308	0.0014125	0.0188209
Ccnl1_j10	0.140106	0.2087	0.574915	0.217409	0.563545
Shox2_j2	4.11205	3.11767	0	1	1
XLOC_021380	0.235971	0.342201	0.536236	0.647923	0.864358
Trim59_j1	0	0.175524	1.79769e+308	0.0031094	0.0354341
Pdcd10_j3	0.103257	0.188288	0.866702	0.262617	0.611643
Rapgef2_j2	0.709911	0.363287	-0.96653	0.334968	0.675691
Fnip2_j5	0	0.0682489	0	1	1
Fnip2_j6	0	0.239749	0	1	1
Gria2	0.241022	0.407234	0.756695	0.0303192	0.186992
Tlr2_j1	0.138893	0.203838	0.553446	0.411566	0.73074
Trim2_j5	10.6749	13.2461	0	1	1
Fhdc1_j2	1.85275	1.73086	0	1	1

Rps3a_j3	0	0.180196	1.79769e+308	0.0015922	0.0207562
Pear1_j3	0.209107	0.427491		0	1
Pear1_j4	0	0.0499182		0	1
Ntrk1_j1	25.3164	26.6645		0	1
Bcan_j7	0	0.755123		0	1
Slc25a44	2.03491	1.70451		0	1
Sema4a_j3	0.394557	0.519317		0	1
Sema4a_j4	0.163914	0.251717		0	1
Syt11_j2	37.6263	23.8136		0	1
Dap3	11.4184	10.8523	-0.0733659	0.618683	0.850216
Rusc1_j4	0.282484	0.838379	0	1	1
Fdps_j14	0.567524	0.254525	-1.15687	0.100525	0.392504
Fdps_j13	1.6969	1.11669	-0.603672	0.0928482	0.374785
Mtx1_j1	0.510319	0.674563	0	1	1
Trim46	1.77782	3.57989	0	1	1
Adam15_j4	11.1647	14.6301	0	1	1
Adam15_j8	14.8503	16.8323	0	1	1
Atp8b2_j8	0.0188824	0.094128	0	1	1
Atp8b2_j9	0	0.146261	0	1	1
Ubp2l_j2	4.62	4.46307	0	1	1
Ints3_j3	0.458199	0.496497	0	1	1
Npr1_j9	0.155404	0.233439	0.587019	0.289732	0.637061
Zfp687_j5	0.847692	0.525874	-0.688823	0.0069924	0.0658037
Psm4_j6	8.2445	10.1799	0	1	1
Pip5k1a_j3	0	0.113299	0	1	1
Pip5k1a_j5	0.456869	1.00823	0	1	1
Scnm1_j1	0.345447	0.266532	-0.374156	0.567111	0.82484
Gabpb2_j2	0.124984	0.102761	0	1	1
Bnip1_j2	0.10805	0.203681	0.914609	0.281029	0.629591
Anxa9_j1	0.327999	0.434377	0	1	1
Setdb1_j2	3.24015	2.95378	0	1	1
Adamts14_j3	0.0478631	0.152214	1.66911	0.050474	1
Tars2_j11	0.212465	0.104202	-1.02784	0.0927165	0.37475
Tars2_j9	0.440679	0.789458	0.841134	0.0049699	0.0504971
Tars2_j10	0.426076	0.394284	-0.111875	0.752022	0.914258
Tars2_j12	0	0.0847547	1.79769e+308	0.0085755	1
Prpf3_j2	0.0681045	0.294655	2.11321	0.007301	0.0680375
Gm129_j1	0.026262	0.149259	2.50677	0.253364	1
Vps45_j3	6.05364	7.29235	0.26858	0.144543	0.471765
Nudt17_j1	1.54933	3.35726	1.11564	1.99E-07	9.84E-06
Pde4dip_j5	0.654496	0.107517	0	1	1
Pde4dip_j4	4.06421	4.13536	0	1	1
Pde4dip_j6	1.22449	0.911645	0	1	1
Pde4dip_j12	13.2566	14.5212	0	1	1
Phgdh_j1	0	0.291089	0	1	1
Wdr3_j1	0.503299	1.09533	1.12188	0.017843	0.130129
XLOC_021542	0.141144	0.242248	0.779312	0.537918	0.807831

Vangl1_j2	0	0.11861	0	1	1
Magi3_j1	10.075	8.18841	0	1	1
Lrig2_j6	1.47526	1.61979	0.134829	0.483476	0.77601
Fam19a3_j2	1.82154	0.87116	0	1	1
Mov10_j8	0.00114085	0.0485831	0	1	1
Capza1_j1	0.701026	0.720392	0.0393159	0.898849	0.967647
AK018929_j1	0.261582	0.297146	0.18391	0.842993	0.950311
Atp5f1_j2	80.9266	78.8893	0	1	1
Cept1_j1	18.3059	14.8127	0	1	1
Fam40a_j4	0.558001	0.484877	-0.202647	0.708548	0.893803
Csf1_j5	0	0.497012	0	1	1
Ampd2_j7	0.107921	0.950415	0	1	1
Gnai3_j3	6.82619	8.85761	0	1	1
Gnai3_j4	0.0413695	0.105977	0	1	1
Atxn7l2_j6	0.693781	0.885953	0	1	1
Celsr2_j3	0.117661	0.0917705	-0.358528	0.45641	1
5330417C22Rik_j2	0	0.0791314	1.79769e+308	0.006516	1
Amy1	1.08946	2.81087	0	1	1
Slc30a7_j1	0.145167	0.374592	0	1	1
Hiat1_j3	2.77071	5.88683	0	1	1
Slc35a3_j4	1.1421	0.617394	-0.887421	0.132797	0.453607
Slc35a3_j5	0.105843	0.507455	2.26136	0.0309589	0.189737
Agl_j4	0	0.142342	0	1	1
Agl_j5	3.27245	2.97059	0	1	1
Palmd_j6	0.874204	1.15568	0	1	1
Ptbp2_j4	7.52355	9.25496	0	1	1
Rwdd3_j1	0.543596	0.323952	-0.746755	0.214469	0.559858
Abcd3_j3	0.0506357	0.142586	0	1	1
Fnbp1l_j1	0.262665	0.225785	0	1	1
Usp53_j3	0.643038	0.711639	0.146241	0.62786	0.855023
Ndst3_j1	0.349086	0.356681	0	1	1
Ugt8a_j2	2.12756	2.80487	0.398736	0.02649	0.171062
Ank2_j2	30.3667	23.1421	0	1	1
Ank2_j5	0.133093	0.0378547	0	1	1
Ank2_j1	0.86144	0.785914	-0.132378	0.619043	0.85046
Alpk1_j3	1.02845	0.557324	0	1	1
Alpk1_j5	0.101778	0.191055	0	1	1
Alpk1_j4	0.0374715	0.113152	0	1	1
Ap1ar	3.21939	4.84517	0	1	1
Ap1ar_j3	0.013133	0.186601	0	1	1
Sec24b_j3	1.30041	0.174591	0	1	1
Rpl34_j3	0.331534	0.173863	-0.931202	0.48012	0.77397
XLOC_021663	0.159828	0.195554	0	1	1
Tet2_j3	0.262696	0.542495	0	1	1
AK034519_j1	0	0.117363	1.79769e+308	0.0033184	1
Nfkb1	1.45723	2.0938	0.52289	0.0417539	0.230484
Bank1_j2	0	0.049499	1.79769e+308	0.0992719	1

Bmpr1b_j5	0	0.0738575	1.79769e+308	0.0157194	1
Pdlim5_j7	0.909315	0.60642	0	1	1
Pkn2_j1	0.0926541	0.0493729	-0.908136	0.40781	1
Hs2st1_j2	0	0.292612	1.79769e+308	6.65E-06	0.0002175
Sh3glb1_j4	4.46727	4.96106	0	1	1
Cyr61_j2	0.240645	0.307337	0.352918	0.646765	0.863884
Cyr61_j3	0.11305	0.228573	1.01569	0.145303	0.473206
Wdr63_j2	0	0.120472	1.79769e+308	0.0074099	1
Spata1_j3	0	0.455931	1.79769e+308	1.53E-05	0.0004447
Lphn2_j12	0.481332	0.286667	-0.747657	0.0453672	0.243872
Lphn2_j13	0.105249	0.199556	0.922987	0.0596794	0.287448
AK077587	0.363628	0.419144	0	1	1
Nexn_j1	3.80412	4.03961	0	1	1
Fam73a_j2	1.10739	1.45352	0	1	1
Rabggtb	0.487339	1.0318	1.08216	0.0237141	0.158361
Tyw3_j1	0.357215	0.548163	0.617812	0.0785039	0.339794
Srsf11_j3	1.17118	1.59172	0	1	1
Lrrc7_j3	0.00564875	0.161379	4.83637	0.366397	0.700164
AI838599_j4	0.10894	0.0156564	-2.79871	0.289891	1
Tgs1	1.90139	2.38024	0	1	1
Lyn	0.889231	1.07393	0.272276	0.246169	0.593752
Lyn	0.499858	0.577947	0.209419	0.520781	0.797932
Chchd7_j5	0.0900799	0	0	1	1
Fam110b_j1	0.960156	0.927864	0	1	1
Fam110b	0.876252	0.963861	0	1	1
Fam110b	0.0459543	0.0719972	0	1	1
Ubxn2b	2.52685	2.40578	-0.0708331	0.583166	0.833121
Sdcbp_j5	1.55074	0.197287	0	1	1
Rab2a	22.7101	21.2944	0	1	1
Chd7	0.151401	0.0892769	-0.762018	0.366102	0.700015
Chd7_j3	0.0885506	0.0215513	-2.03873	0.0239862	1
Clvs1	6.28618	5.38618	0	1	1
4930412C18Rik_j7	0.0356732	0.0611889	0.778427	0.419118	1
4930412C18Rik_j6	0.0593761	0.0444414	-0.417978	0.668522	1
4930412C18Rik_j5	0.0855414	0.0356076	-1.26444	0.202069	1
4930412C18Rik_j13	0.0797369	0.053222	-0.583224	0.498071	1
2610301B20Rik	6.11971	5.57155	0	1	1
2610301B20Rik_j1	3.66099	1.6102	0	1	1
Gm11828	5.10756	5.75175	0.171368	0.431273	0.743572
Trp53inp1	0.602447	0.624834	0	1	1
Trp53inp1	1.79381	1.57541	0	1	1
1110037F02Rik	4.80173	4.60983	-0.0588418	0.595081	0.838618
Gem_j1	0.0695142	0 -1.79769e+308	0.0277625	0.0277625	1
Gem	0.896317	0.780908	-0.198855	0.432859	0.744519
AK005538	0.243738	0.313945	0	1	1
AK007255_j1	0.267683	0.133677	0	1	1
XLOC_022711	0.184566	0.162952	0	1	1

XLOC_022711	0.18811	0.108566	0	1	1
XLOC_022713	0.0766445	0 -1.79769e+308	0.137946		1
Gm11818	4.11821	3.18625	0	1	1
Gm11818	2.96816	2.87344	0	1	1
Runx1t1_j1	0.446465	0.0496759	0	1	1
Runx1t1	0.491941	0.766877	0	1	1
Runx1t1_j2	1.19958	0.284642	0	1	1
Tmem55a	35.7334	32.7486	-0.125839	0.170595	0.507473
Tmem64	12.5705	9.8842	-0.346842	0.0005968	0.0094446
Calb1	8.46449	6.11106	-0.470002	3.89E-05	0.0009635
Nbn	6.37395	7.02149	0.139589	0.243746	0.591067
AK171183	0.560451	0.533927	-0.0699452	0.871341	0.959126
AK080160_j3	0.0779544	0.0418665	-0.896834	0.552356	1
AK080160_j2	0.350462	0.247906	-0.499465	0.534702	0.805843
mt3-mmp_j1	1.31615	3.44131	0	1	1
Fam82b	0.931342	0.935579	0.00654862	0.971849	0.991962
Fam82b_j1	4.2414	3.69432	-0.19923	0.100314	0.391964
Ttpa_j2	0.564548	0.418018	-0.433531	0.428651	0.742474
Ggh	9.96941	10.6432	0.0943524	0.497396	0.783786
Ccnc_j1	0.323991	0.0583686	0	1	1
Usp45	1.48156	0.16204	0	1	1
Usp45	6.20684	4.89703	0	1	1
Sfrs18_j2	3.8571	3.99661	0	1	1
Sfrs18_j8	1.44242	1.369	0	1	1
Sfrs18_j9	4.063	3.55743	0	1	1
6230409E13Rik	0	0.105047	0	1	1
6230409E13Rik	0.728113	0.142392	0	1	1
XLOC_022734	0.135193	0.106206	0	1	1
Fbxl4_j1	1.4461	1.19252	0	1	1
Fbxl4	0.996225	0.770533	0	1	1
F730047E07Rik	0.371415	0.31396	-0.24245	0.651211	0.866096
Mms22l_j4	0.0749934	0.0682631	-0.135659	0.910341	1
Mms22l_j5	0.0851051	0 -1.79769e+308	0.0180627		1
Ndufaf4	6.48204	7.03864	0.11885	0.294127	0.640961
Epha7	0.477613	0.378724	-0.334696	0.36889	0.702119
Epha7	0.222307	0.121857	-0.867363	0.0608207	0.29079
Map3k7_j2	1.59747	1.27656	0	1	1
Map3k7_j5	2.43532	2.67497	0	1	1
XLOC_022743	0.229835	0.120728	-0.928843	0.141031	0.467017
Casp8ap2	1.16009	5.72E-05	0	1	1
Lymr2	11.1659	11.6355	0.0594311	0.626392	0.854124
Rragd	7.83759	6.70243	0	1	1
Ube2j1	38.1396	38.6197	0	1	1
Ube2j1_j1	34.6433	31.207	0	1	1
Srsf13b_j3	2.02149	1.33359	0	1	1
Srsf13b_j1	1.04564	0.607041	0	1	1
Rngtt	5.25598	5.34929	0.0253886	0.83405	0.946622

Cnr1_j3	0.60503	0.0843854	-2.84194	9.45E-06	0.0002961
Cnr1	1.95569	1.36023	-0.523822	0.0064657	0.0619602
Cnr1_j5	0.786466	0.519042	-0.599534	0.0531134	0.268178
Akirin2_j1	40.6488	47.433	0.222678	0.0505109	0.26013
Akirin2	2.59999	2.67244	0.0396513	0.708809	0.893906
Rars2	6.79679	6.91947	0.0258071	0.84076	0.94973
Aco1	1.11699	1.12768	0.0137434	0.936028	0.980349
Chmp5	23.9809	23.8727	0	1	1
Nfx1	2.81955	2.49933	0	1	1
Nfx1	1.95722	1.51146	0	1	1
Ube2r2	47.2554	50.0436	0.0827076	0.360766	0.695583
Ubap1	9.1846	9.74591	0.0855812	0.396031	0.720998
Nudt2	6.99594	7.71101	0	1	1
Nudt2_j4	1.15748	0.49088	0	1	1
Ccl21b_j1	0.0866359	0 -1.79769e+308		0.131562	1
Gm2506_j2	1.30613	1.33063	0.0268081	0.952167	0.986165
N28178_j1	4.00897	2.0754	0	1	1
N28178_j10	1.31027	2.22692	0	1	1
N28178_j9	0.761589	0.434203	0	1	1
N28178_j8	6.19148	4.87974	0	1	1
N28178_j13	10.5376	8.45045	0	1	1
Dnajb5	8.08271	10.0951	0.320743	0.0076039	0.0700847
Unc13b_j4	0.605981	0.392291	-0.627348	0.0347348	0.204691
Unc13b_j3	0.191569	0.575392	1.58668	1.64E-06	6.34E-05
Unc13b_j6	0.142625	0.0965244	-0.563259	0.416738	0.733896
Unc13b_j12	0.434724	0.25451	-0.77238	0.103887	0.399846
Unc13b_j15	0.503715	0.685341	0.444215	0.297941	0.644572
Atp8b5_j2	0.148498	0.147033	-0.0142983	0.986676	0.99622
Atp8b5_j3	0.0637771	0.11541	0.855652	0.517067	1
Atp8b5_j8	0.203448	0.105186	-0.951716	0.201803	0.545319
Atp8b5_j9	0.0858125	0 -1.79769e+308		0.0014166	1
Rusc2_j5	1.33966	0.950001	0	1	1
Rusc2_j7	3.03996	0.936793	0	1	1
Rusc2_j12	1.08258	2.04391	0	1	1
Tesk1	14.0494	13.1866	-0.0914372	0.416461	0.733896
Ccdc107	18.1231	18.8283	0.0550788	0.684804	0.882239
XLOC_022796	0.0762103	3.08E-06	-14.5965	0.997178	1
XLOC_022796	0.218283	0.288187	0.400808	0.376503	0.708503
Npr2_j1	4.20312	6.16995	0	1	1
Npr2_j2	0.354877	0.249969	0	1	1
Npr2_j3	1.18195	0.81764	0	1	1
5430416O09Rik	0.30926	0.226919	-0.44664	0.431699	0.743752
Reck_j2	0.248175	0.377659	0.605725	0.129572	0.448468
Reck_j1	0.186871	3.34E-05	-12.4511	0.937068	0.980727
Reck	0.569075	0.338031	-0.751464	0.0381003	0.216941
Reck_j6	0.308815	0.237136	-0.381027	0.46968	0.76771
Glipr2	5.27348	7.23247	0.455733	0.0008195	0.0122013

Clta	23.3629	21.4067	0	1	1
Clta	5.9583	4.99117	0	1	1
Zcchc7	4.33502	4.32892	-0.00203284	0.985626	0.995707
Grhpr	5.6658	5.40428	-0.0681776	0.68067	0.879921
Polr1e	0.941858	0.928018	-0.0213556	0.935302	0.980235
Frmpd1_j1	0.264516	0.146886	0	1	1
Frmpd1_j2	2.8166	2.16022	0	1	1
Rg9mtd3	0.144978	0.133503	-0.118961	0.793469	0.931169
Wdr32	0.50524	0.495313	0	1	1
Dcaf10	2.99646	2.41158	0	1	1
AK044089	0.359938	0.123629	-1.54173	0.116397	0.424447
Aldh1b1	1.86725	1.8471	-0.0156538	0.933915	0.979958
Tdrd7	20.4781	18.4442	-0.150915	0.109818	0.412338
Tdrd7_j2	0.707173	0.232118	-1.60721	0.0008557	0.012621
Tmod1_j3	0.070681	0 -1.79769e+308	0.0681223	0.0681223	1
Ncbp1	8.27313	8.15865	-0.0201041	0.849819	0.952228
Anp32b_j1	0.119774	0 -1.79769e+308	0.0428903	0.0428903	1
Nans	10.1938	10.9283	0.100373	0.41106	0.730561
Galnt12_j6	0.0620849	0.0685029	0.141922	0.925378	1
Col15a1_j1	1.06922	0.7004	-0.610312	0.0303272	0.187018
Col15a1	2.81674	4.06841	0.530441	6.58E-05	0.0015071
Tgfbr1	1.02868	1.00025	-0.0404251	0.86052	0.955855
Tgfbr1	0.637082	0.911883	0.51737	0.0421396	0.231999
Sec61b	8.57785	10.5577	0.299614	0.105757	0.403811
XLOC_022831	0.220526	0.214376	-0.0408035	0.957592	0.987942
XLOC_022832	0.456415	0.649036	0.507951	0.0754304	0.331468
Nr4a3	0.149091	0.155341	0.059238	0.921387	0.975363
Stx17	0.858184	1.57042	0	1	1
Stx17_j2	2.16303	1.34148	0	1	1
5730528L13Rik	0.860066	0.513727	0	1	1
5730528L13Rik	0.224102	0.172067	0	1	1
5730528L13Rik_j2	1.49644	1.5355	0	1	1
Tmeff1_j3	0.538627	0.43003	0	1	1
Tmeff1	7.79238	7.21209	0	1	1
E130309F12Rik_j1	0.171719	0.090303	-0.927207	0.359655	0.69491
Zfp189	1.40292	1.44372	0.0413509	0.798779	0.933125
Rnf20	0.297964	0.164876	0	1	1
Rnf20_j4	6.39161	5.8672	0	1	1
Smc2	0.200751	1.22E-05	-14.0075	0.967861	0.990963
Smc2	0	0.154668 1.79769e+308	0.0002179	0.0002179	1
Nipsnap3a_j1	16.6424	21.9271	0.397857	0.0114161	0.0945277
Nipsnap3b	9.92564	11.3905	0.1986	0.10443	0.400973
Slc44a1	34.4267	31.0582	0	1	1
Slc44a1_j3	16.7328	17.4914	0	1	1
Slc44a1_j5	32.9714	38.2967	0	1	1
Fsd1l_j1	4.43854	3.36385	0	1	1
Fsd1l_j2	2.02068	1.60899	0	1	1

Fktn	1.3343	1.4606	0	1	1
Fktn_j3	0.676868	0.371594	0	1	1
Fktn_j5	0.97948	0.515768	0	1	1
Tmem38b	2.52404	2.36683	-0.0927801	0.580276	0.831506
Zfp462	0.326522	0.261292	0	1	1
Zfp462_j4	0.0961766	0.075214	0	1	1
XLOC_022856	0.140283	0.0923353	-0.603391	0.55554	0.818323
Rad23b	29.6664	27.8318	0	1	1
BC026590	2.51644	2.30426	-0.12708	0.37418	0.706986
XLOC_022860	0.147874	0.0590728	-1.3238	0.274634	0.623754
Gm12530_j2	0.14505	0.0779992	-0.895014	0.411539	0.730729
Palm2_j1	2.66698	2.21551	-0.267568	0.0707159	0.319662
Palm2_j4	0.649454	0 -1.79769e+308		7.77E-14	1.31E-11
Musk_j1	0.674613	0.508279	-0.408439	0.540241	0.808768
Dnajc25	0.507323	0.312718	-0.698044	0.0527575	0.266888
Gng10	14.2347	16.5727	0.219396	0.099914	0.39147
Ugcg	20.0552	18.4771	0	1	1
Hsd12	13.0493	10.4735	-0.317227	0.0098752	0.0849295
Hsd12_j1	18.6582	17.2995	-0.109081	0.383186	0.712878
E130308A19Rik	0.140022	0.115484	-0.277961	0.652986	0.867224
E130308A19Rik	0.427841	0.284212	-0.590105	0.11142	0.415473
E130308A19Rik_j1	0.0865609	0 -1.79769e+308		0.001424	1
XLOC_022870	0.355804	0.354451	-0.00549643	0.984393	0.995386
Snx30	1.07475	1.50493	0.485697	0.0009179	0.0133511
Gm12543	29.1234	31.3703	0.107218	0.384468	0.713264
Slc31a2	2.29601	3.08616	0	1	1
Slc31a1	11.9391	11.6734	-0.032478	0.749853	0.913026
Prpf4	0.87334	0.76406	-0.192858	0.285957	0.63471
Prpf4_j1	2.79542	2.48531	-0.169644	0.256567	0.605481
Bspry_j2	0.167883	7.22E-05	-11.1829	0.984269	0.995386
Rgs3_j1	0.667354	0.684909	0.0374594	0.854129	0.953758
Rgs3_j2	0.217933	0.186359	-0.225798	0.509869	0.790859
Zfp618_j3	0.11672	0.0941394	-0.310184	0.742492	1
Zfp618_j8	9.53E-05	0.407987	12.0645	0.648085	0.864393
Col27a1_j7	0.94682	0.993822	0.0698971	0.724798	0.902137
Atp6v1g1	18.735	20.1847	0.10753	0.262448	0.611555
6330416G13Rik_j8	0.249601	0.123112	0	1	1
Pappa_j4	0.103177	3.08E-05	0	1	1
Pappa_j3	0.189309	0.202969	0	1	1
Trim32	7.28757	6.20364	0	1	1
Trim32	6.28488	8.21491	0	1	1
Tlr4	0.776299	0.692724	-0.164332	0.383186	0.712878
Gm11221	15.6147	18.4656	0.24194	0.0869615	0.360489
Gm11222	7.07903	7.69512	0.120391	0.492201	0.780855
Frmd3	9.94514	7.73271	0	1	1
Frmd3	8.58263	7.71453	0	1	1
Frmd3_j1	10.0633	9.37912	0	1	1

Tyrp1_j1	0.134598	0	0	1	1
Tyrp1	2.39095	2.65614	0	1	1
Tyrp1_j2	1.38422	2.65117	0	1	1
D4Bwg0951e	8.00898	5.25195	-0.608765	0.0001058	0.0022615
D4Bwg0951e_j2	5.34068	4.67465	-0.192164	0.53455	0.805719
Gm11266	0.101748	0.295509	0	1	1
4930473A06Rik_j4	0.215025	0.140607	-0.61283	0.222581	0.569566
4930473A06Rik	0.0843429	0.0797441	-0.0808888	0.921351	1
XLOC_022910	0.0602323	0	-1.79769e+308	0.0352746	1
XLOC_022911	0.126816	0.0460453	0	1	1
Cntln_j3	0.450557	0	-1.79769e+308	1.00E-15	2.22E-13
Cntln	0.101456	0	-1.79769e+308	5.93E-05	1
Gm12418	6.27338	5.92763	-0.0817895	0.622122	0.85221
Cntln_j8	0.299631	0.613909	1.03484	0.0710936	0.320562
Sh3gl2	9.35073	4.54636	0	1	1
Dennd4c_j3	0.237308	0.197891	-0.262051	0.458406	0.761003
Acer2_j1	0.415739	0	-1.79769e+308	8.48E-15	1.62E-12
Acer2	0.109286	0.0560076	-0.96442	0.316194	1
Acer2_j3	0.266243	0.189044	-0.494018	0.331344	0.673024
BC057079	2.52807	2.01357	-0.328278	0.0386978	0.219141
BC057079_j6	1.43509	0.68148	-1.0744	0.0037102	0.0406824
Mtap	9.74406	7.67659	-0.344058	0.0041972	0.0444142
XLOC_022924	0.216302	0.32691	0.595842	0.370779	0.703864
Ift74	9.09473	8.79922	-0.0476547	0.689851	0.885136
Tek	0.118362	0.156778	0.40552	0.476648	1
Tek	0.431362	0.673873	0.643579	0.018108	0.131624
XLOC_022928	0.141268	0.185773	0.395104	0.53116	0.803433
Fggy_j3	0.199528	0	-1.79769e+308	0.0008348	0.0123979
Fggy_j2	0.11836	0	-1.79769e+308	0.0073596	1
Fggy_j5	1.53299	1.31131	-0.225336	0.558042	0.819826
Hook1	0.760404	0.603493	-0.333429	0.168794	0.505572
Hook1_j6	0.715237	0.536962	-0.413601	0.224025	0.571228
Nfia	2.27995	1.879	-0.279037	0.0517129	0.263703
Nfia_j5	2.3913	1.85037	-0.369983	0.0545589	0.272453
Inadl_j7	9.29535	6.53058	0	1	1
Inadl_j8	1.57184	0.672287	0	1	1
Usp1_j1	0.187474	0.155634	-0.268538	0.592775	0.8379
Atg4c	4.55847	3.82382	-0.253534	0.0890459	0.365707
Alg6_j2	1.88504	1.70271	-0.146758	0.488781	0.779309
Alg6	0.903164	0.520039	-0.796369	0.0159292	0.120027
Pgm2	16.6888	14.5571	0	1	1
Pgm2	38.1426	37.6238	0	1	1
Cachd1	3.84131	3.55331	-0.112436	0.37961	0.710915
Cachd1_j1	5.60919	5.79118	0.046064	0.72918	0.904035
AK002929_j2	0.066675	0	-1.79769e+308	0.0506803	1
Dnajc6_j1	0.935958	0.365854	0	1	1
Dnajc6	10.7375	7.22691	0	1	1

Dnajc6	4.83234	4.35408	0	1	1
Dnajc6_j5	21.4983	19.2462	0	1	1
Leprot	6.67328	6.41889	0	1	1
Lepr_j2	0.114568	0.0043663	-4.71365	0.0823983	1
XLOC_022952	0.220438	0.182561	-0.271998	0.567571	0.824883
Pde4b_j1	0.853062	0.946016	0	1	1
Pde4b	1.07852	0.815776	0	1	1
Pde4b	1.87955	4.35817	0	1	1
Sgip1_j4	0.112314	0.0299144	0	1	1
Sgip1_j7	2.8994	2.81953	0	1	1
Tctex1d1_j1	0.132916	0.0117852	-3.49547	0.142271	1
Tctex1d1_j5	0.646803	0.307484	-1.07281	0.0229913	0.155086
Mier1	0.776749	0.540389	-0.523449	0.0965563	0.38387
Mier1_j4	0.59655	0 -1.79769e+308		3.50E-13	5.41E-11
Oma1	2.50193	2.08614	-0.262205	0.211588	0.55642
Dab1_j6	0.0773373	0.12416	0.682959	0.279446	1
Ppap2b	12.3263	11.8408	0	1	1
Gm12727	2.27083	2.62848	0.21101	0.529205	0.802396
Usp24	0.676796	0.581021	-0.22013	0.298641	0.645349
Usp24_j1	0.058673	0 -1.79769e+308		6.60E-05	1
Dhcr24	130.714	139.984	0.0988492	0.261456	0.610687
Pars2	1.30954	0.895454	-0.548367	0.063081	0.297625
Ssbp3_j1	21.7018	21.4373	0	1	1
Ssbp3_j4	14.7767	15.6242	0	1	1
Ssbp3_j6	27.8525	31.6879	0	1	1
mFLJ00377_j1	0.681258	0.691166	0.0208304	0.89196	0.965687
Tmem59	17.5059	16.8192	-0.0577288	0.591548	0.837134
Tmem59_j1	112.777	102.402	-0.139234	0.11489	0.421764
Hspb11	6.42701	6.1978	-0.0523917	0.836116	0.94739
Yipf1	20.6563	20.3725	-0.0199564	0.86353	0.956634
Tmem48_j1	4.142	4.08337	0	1	1
Lrp8_j1	1.38358	1.79944	0.379148	0.0601711	0.288818
Lrp8_j3	0.0928494	0.163438	0.815783	0.315087	0.659071
Lrp8_j8	0.349189	0 -1.79769e+308		1.06E-05	0.0003246
Magoh	17.3479	17.6773	0.0271405	0.838748	0.948621
0610037L13Rik	0.121462	0.131116	0	1	1
0610037L13Rik_j3	3.7749	2.99157	0	1	1
Slc1a7	0.158264	0.295142	0.89908	0.0394964	0.222094
Echdc2	0.814676	1.24323	0.609789	0.115371	0.422416
Echdc2	0.68607	0.50646	-0.437907	0.4334	0.744785
Echdc2_j1	1.72453	1.48403	-0.21668	0.434518	0.745636
2010305A19Rik	1.75107	1.89028	0.110367	0.445178	0.752854
Zcchc11_j5	0.236576	0.213071	-0.150969	0.734547	0.906406
Zcchc11_j4	0.0493047	0 -1.79769e+308		0.005103	1
Cc2d1b_j2	0.364374	0.294244	-0.308408	0.568665	0.825638
Cc2d1b	0.267319	0.212413	-0.331694	0.319119	0.662469
Nrd1_j2	12.9311	15.1836	0	1	1

Nrd1	4.81771	4.95858	0	1	1
Calr4_j6	0.0705816	0.117048	0.729743	0.415864	1
Calr4	0.13233	0.0965531	-0.454741	0.625439	1
Eps15_j1	7.81607	6.81146	0	1	1
Eps15_j5	0.0531946	0.0322917	0	1	1
Ttc39a_j1	0.638863	0.419971	0	1	1
Ttc39a_j2	3.67378	2.66322	0	1	1
Faf1	0.254059	0.0461608	-2.46042	0.0024491	0.0293507
Bend5	0.254941	0.335795	0.397417	0.430606	0.743283
Bend5	1.40011	1.9596	0.485024	0.0597568	0.287655
Spata6	0.269459	0.513245	0	1	1
Gm12821	5.70337	7.46912	0.389123	0.0575842	0.281219
9130206I24Rik_j1	0.405159	0.224562	-0.851376	0.342781	0.68269
Stil_j1	0.0865322	0.0724438	-0.256376	0.790604	1
Gm12833	2.02196	1.80108	-0.166892	0.664738	0.873063
4732418C07Rik	5.80274	5.37336	0	1	1
Atpaf1_j1	0.126176	0.0149359	-3.07858	0.071465	1
Mobkl2c	0.331438	0.322771	-0.0382247	0.929696	0.978418
Mknk1	8.18514	7.73045	-0.0824536	0.525968	0.800977
Mknk1_j6	3.54751	2.54312	-0.480206	0.0518157	0.263999
Lrrc41_j1	12.6618	9.68882	0	1	1
Lrrc41_j4	6.49553	8.36263	0	1	1
Pomgnt1_j1	0.0581464	0.052929	-0.135634	0.922175	1
Pik3r3	4.19892	2.94742	0	1	1
Pik3r3_j4	0.12665	0.0339568	0	1	1
Ipp	1.5879	1.11945	-0.504328	0.0103451	0.0877012
Gppb111	4.77955	4.2392	-0.173085	0.202483	0.546123
Ccdc17_j1	0.469351	0.487249	0.0539926	0.851538	0.952852
Prdx1	21.519	21.6679	0.00995078	0.916999	0.97399
Ccdc163_j1	0.0671634	0.393497	2.55061	0.0145302	0.112352
Ccdc163_j4	0.148238	0.0366133	-2.01748	0.241964	0.589269
Ccdc163_j3	0.658826	0.295943	-1.15458	0.0981327	0.387205
Ccdc163_j2	0.0841072	0 -1.79769e+308	0.0327865	0.0327865	1
Ccdc163_j12	0.139564	0.0314505	-2.14977	0.245688	0.593119
Ccdc163_j13	0.283197	0.385746	0.445844	0.548331	0.814125
Tesk2	0.388474	0.40477	0	1	1
Mutyh_j2	0.329993	0.311716	0	1	1
Mutyh_j1	0.090113	0.147581	0	1	1
Mutyh	0.364741	0.398043	0	1	1
Zswim5	2.32178	2.05922	-0.173137	0.177269	0.516511
Hectd3_j1	0.0976732	0.14366	0.556623	0.446262	1
Eif2b3	10.0214	9.71329	-0.0450536	0.738532	0.908119
Tmem53	2.7218	2.41822	0	1	1
Eri3_j1	10.1633	8.89928	0	1	1
Eri3	17.8085	20.8498	0	1	1
Slc6a9_j1	0.790805	0.95928	0.27863	0.27766	0.626539
Slc6a9	0.0995695	0.254455	1.35363	0.0290689	0.181719

Med8	6.61785	7.10409	0	1	1
XLOC_023033	0.114722	0.0953258	0	1	1
Elov1	0.291122	0.272407	0	1	1
Elov1	18.5882	22.2367	0	1	1
Ebna1bp2	1.98705	1.69855	0	1	1
Slc2a1	20.265	25.8194	0	1	1
Slc2a1_j2	2.14688	7.23365	0	1	1
Ccdc23	11.1024	13.4445	0.276145	0.0686974	0.314116
Cldn19	2.28402	3.30674	0.533829	0.0002712	0.0049278
Foxj3	0.803421	1.10594	0	1	1
Foxj3_j4	5.30265	4.75033	0	1	1
Hivep3_j2	0.164192	0	0	1	1
Krc_j3	0.398959	0	0	1	1
XLOC_023043	0.0658312	0.0112547	0	1	1
Edn2	0.386833	0.242831	-0.671759	0.13152	0.451411
Scmh1	2.1867	2.92453	0	1	1
Scmh1_j2	2.34646	1.69423	0	1	1
Scmh1_j1	3.21881	2.89411	0	1	1
Cited4	0.278054	0.121935	-1.18925	0.0609508	0.291245
Rims3_j1	3.67077	2.14654	0	1	1
Rims3	6.08586	3.26503	0	1	1
Col9a2_j2	0.347711	0.258286	-0.42892	0.401366	0.724661
Gm12892	207.229	199.465	-0.0550914	0.521061	0.798005
Ppt1	2.94272	2.8667	0	1	1
Mycl1	0.159282	0.137104	-0.216307	0.705395	0.892269
Trit1_j4	0.467848	0.714687	0.611272	0.140861	0.466831
Trit1_j3	0.157894	0.458181	1.53696	0.0158293	0.119366
Trit1	0.933673	0.631891	-0.563243	0.110107	0.41294
XLOC_023052	0.0839109	0.0368078	-1.18885	0.347063	1
Hpcal4	0.00557803	0.0855412	3.93879	0.0513324	1
Hpcal4_j1	0.156789	0.11021	-0.508572	0.391825	0.718161
Heyl	3.68754	3.56359	-0.0493262	0.705885	0.892502
Pabpc4_j1	2.14675	3.23486	0.591548	0.0061886	0.0600123
Pabpc4_j7	0.76299	0.288407	-1.40356	0.0828253	0.350803
Pabpc4_j6	1.79646	3.17591	0.822017	0.0040506	0.0433082
Pabpc4_j11	0.453266	0.110777	-2.0327	0.0167547	0.124514
Pabpc4_j13	0.986901	0.693844	-0.508295	0.288668	0.636345
Mycbp	3.56693	2.97633	-0.261149	0.0321349	0.194449
Fhl3_j10	0.189064	0.108321	-0.803563	0.164826	0.500895
Sf3a3	0.18056	0.126871	0	1	1
Inpp5b	6.58221	6.30148	-0.0628812	0.5769	0.829228
Yrdc	3.77258	2.46998	-0.611055	0.0010319	0.0146507
Yrdc_j2	0.233447	0.0694008	-1.75007	0.0680579	0.312396
Epha10_j1	0.188196	0.132044	-0.511215	0.550259	0.815296
Epha10_j2	0.137707	0	-1.79769e+308	0.0148732	0.114225
AK134673_j1	0.221512	0.0352295	-2.65253	0.0209075	0.145317
AK134673	0.181705	0.0844387	-1.10562	0.136662	0.459682

9930104L06Rik_j1	0.801787	1.11603	0.47708	0.0898869	0.367952
9930104L06Rik_j3	1.91848	1.46278	-0.391251	0.0841832	0.354093
Rspo1	4.05306	6.00134	0.566273	0.0001538	0.0030805
Gnl2	3.52543	3.69656	0	1	1
Gnl2_j5	10.3053	14.8372	0	1	1
Snip1	4.79138	4.92135	0.0386127	0.779696	0.925661
2310005N01Rik_j3	4.41162	4.17662	-0.0789719	0.542127	0.809999
Grik3	1.24158	0.680976	-0.866506	1.64E-05	0.000472
Grik3_j3	0.0814793	0 -1.79769e+308		3.60E-05	1
Oscp1_j2	1.73723	1.52963	-0.183612	0.319471	0.662774
Oscp1_j1	1.66815	1.58909	-0.070049	0.701618	0.890412
Stk40_j3	4.11799	4.82614	0	1	1
Stk40	0.947813	0.824245	0	1	1
Stk40_j6	2.06739	2.5502	0	1	1
Fam176b	0.307568	0.454469	0.563276	0.175216	0.513531
Fam176b	1.56371	1.7755	0.183255	0.529031	0.802307
Trappc3	16.7536	20.9912	0.325316	0.0247004	0.16296
5730409E04Rik	23.6386	18.5301	0	1	1
5730409E04Rik	6.43771	6.02566	0	1	1
Psmb2	110.588	111.175	0.00763915	0.934954	0.980088
Sfpq_j1	9.10077	9.75959	0	1	1
Sfpq_j2	0.657717	1.33122	0	1	1
Zmym6_j3	0.382678	0.409229	0.0967788	0.739507	0.908632
Zmym6_j5	0.854204	0.460909	-0.890099	0.0036761	0.0404731
Zmym6_j8	0.45539	0.239497	-0.927092	0.0424115	0.232786
Dlgap3	19.4142	17.8647	-0.119998	0.197464	0.540362
Dlgap3_j1	2.32269	2.15962	-0.105022	0.617559	0.84951
BC003266	36.9347	36.1648	-0.0303907	0.754647	0.915367
XLOC_023094	0.0788985	0 -1.79769e+308		0.0017765	1
Csmd2_j1	0.273936	0.24073	0	1	1
Phc2	2.72256	3.08053	0	1	1
XLOC_023096	0.0603254	0.0376319	0	1	1
A3galt2	4.5243	3.26103	0	1	1
Trim62	3.76303	3.42465	-0.135939	0.379129	0.710597
Ak2	13.714	15.503	0.176903	0.218125	0.564496
Ak2_j3	0.0617574	0 -1.79769e+308		0.074952	1
Rnf19b_j1	0.107222	0.333462	0	1	1
Rnf19b	15.7793	22.9816	0	1	1
Tmem54_j1	1.04793	0.524096	-0.999639	0.0088453	0.0782138
Tmem54_j4	0.347045	0.28544	-0.281936	0.652368	0.866801
Fndc5_j1	0.0585747	0 -1.79769e+308		0.123229	1
Fndc5_j2	3.1323	1.38778	-1.17445	0.0077908	0.0712134
Fndc5_j3	0.156963	0.0888476	-0.821023	0.566871	0.824741
Yars	6.84261	7.32229	0	1	1
AK077492_j1	0.321797	0.674934	1.06859	0.112105	0.416662
Sync	6.2427	6.90307	0.145069	0.237391	0.584096
Bsd1	18.0229	17.8493	-0.0139643	0.884839	0.963475

Marcks1	10.4242	16.1484	0.631458	4.64E-07	2.10E-05
Ptp4a2	12.2177	11.9905	-0.0270802	0.804638	0.935336
Ptp4a2_j3	24.0741	25.5001	0.0830234	0.38816	0.715717
Bai2_j8	0.466972	0.226492	-1.04388	0.0188286	0.135304
Bai2_j6	0.517438	0.163476	-1.6623	0.0008007	0.0119976
Bai2_j4	0.602879	0.317397	-0.925582	0.0112467	0.0935084
Col16a1_j3	3.81022	4.07024	0	1	1
Col16a1_j5	0.590669	0.865873	0	1	1
Pef1_j3	38.0398	40.558	0	1	1
Snrnp40	8.56101	9.76887	0.19041	0.171122	0.507955
Snrnp40_j1	2.62961	3.31124	0.332526	0.278688	0.627544
Nkain1	3.82504	6.76621	0.822872	5.43E-09	4.01E-07
Pum1_j7	0.37928	0.362633	-0.0647514	0.87953	0.96152
Pum1	1.96996	2.5052	0.346757	0.0394916	0.222094
Pum1_j10	0.0669221	0.0501872	-0.415163	0.72633	1
Sdc3	7.38878	8.15748	0	1	1
XLOC_023127	0.135126	0.00913273	-3.88711	0.451781	1
XLOC_023128	0.182473	0	0	1	1
Mecr	21.0988	21.6038	0.0341216	0.761165	0.917801
Srsf4	8.35939	9.556	0.193008	0.126242	0.44247
Srsf4_j1	2.79419	2.17768	-0.359641	0.0790445	0.341105
Taf12	2.33478	2.51907	0.109604	0.471425	0.768965
Snhg12	9.02328	10.9671	0.281462	0.110939	0.414534
Dnajc8	4.50645	4.51407	0	1	1
Dnajc8_j2	3.79196	3.69387	0	1	1
Dnajc8_j3	0.245003	0.070183	0	1	1
Ptafr_j1	0.630463	0.696972	0	1	1
Eya3_j1	4.20619	3.1118	0	1	1
Eya3_j2	4.8615	4.57345	0	1	1
Rpa2	4.93876	5.1211	0	1	1
Ahdc1_j3	1.06193	1.42024	0	1	1
Ahdc1_j2	1.00323	0.421087	0	1	1
Wasf2	6.5788	6.01833	0	1	1
XLOC_023144	0.198368	0.227322	0.196555	0.814714	0.939556
Map3k6_j2	0.0498284	0 -1.79769e+308	0.0040485		1
Map3k6_j4	0.132312	0.185819	0.489948	0.415609	0.733384
Slc9a1	6.12563	4.84126	0	1	1
Gpatch3_j2	0.376043	0.673279	0.840306	0.0103998	0.0880425
Ubxn11_j2	0.0974587	0.154298	0.662855	0.547225	1
Ubxn11	0.0318753	0.0550513	0.788341	0.654645	1
Ubxn11_j5	0.10723	0 -1.79769e+308	0.0133571		1
Pafah2	2.70723	4.01704	0	1	1
Pafah2_j5	0.63874	0.609848	0	1	1
Pafah2_j6	1.23458	1.5312	0	1	1
Stmn1_j10	0.567834	1.03988	0.872875	0.267128	0.616108
Paqr7	7.43572	5.07919	-0.549873	4.92E-05	0.001177
Paqr7_j1	4.17124	2.13538	-0.965983	8.64E-07	3.65E-05

Rhd	0.0872602	0.149054	0.77244	0.31581	1
Rhd_j2	0.0495186	0.0149582	-1.72703	0.469933	1
Syf2	13.4366	13.5966	0.0170703	0.89339	0.966325
Runx3_j2	0.0863812	0 -1.79769e+308		0.0044991	1
Srsf10_j1	0.914579	0.719771	-0.345569	0.487465	0.778377
Hmgcl_j1	2.09982	2.58719	0.301117	0.156923	0.49074
Hmgcl	6.71731	6.75103	0.00722495	0.964779	0.990042
Gale	3.77499	3.78012	0.00196008	0.990347	0.997044
Id3	28.9316	28.6697	-0.0131183	0.899819	0.968081
E2f2_j2	0.247997	0.317092	0.354581	0.379866	0.711076
Asap3_j3	0.189573	0.13331	-0.507963	0.523311	0.799177
Tcea3_j1	0.11422	0.0394658	-1.53314	0.353097	1
Tcea3	0.646615	0.365629	-0.822525	0.0698686	0.3173
Zfp46_j1	0.824	0.287975	0	1	1
Zfp46_j3	2.4754	3.50212	0	1	1
Zfp46_j4	0.293379	0.203015	0	1	1
Zfp46	1.9331	1.42811	0	1	1
Hnrnpr	1.84789	1.27585	-0.534424	0.0012706	0.0173193
Hnrnpr	0.487961	0.633206	0.375908	0.128722	0.447079
Gm17388_j1	0.168205	0.0518146	-1.69879	0.0641155	0.300498
Htr1d_j1	1.02204	1.11337	0.123482	0.536472	0.806869
Htr1d	2.81046	1.34355	-1.06475	8.62E-11	8.94E-09
Htr1d_j5	0.226978	0.136617	-0.732413	0.106416	0.405059
Htr1d_j6	1.20624	0.880818	-0.453595	0.0314146	0.191494
6030445D17Rik	0.172701	0.138717	-0.316133	0.559332	0.820587
Luzp1	2.53819	1.15033	0	1	1
Wnt4	0.233239	0.884278	1.92269	1.23E-10	1.23E-08
Gm13004	0.704975	0.826051	0.228659	0.665014	0.873063
Hspg2_j1	1.1231	1.05575	-0.0892175	0.548191	0.814092
Hspg2_j5	0.686448	0.980271	0.514031	0.0092155	0.0806507
Hspg2_j7	1.2996	1.04223	-0.318386	0.065455	0.304871
Usp48_j4	0.0711885	0 -1.79769e+308		0.0051665	1
Usp48_j11	2.55552	2.73886	0.0999585	0.560214	0.821025
Rap1gap_j2	20.7508	15.4109	0	1	1
Rap1gap_j7	0.395961	0.310726	0	1	1
Ece1_j1	8.32677	7.85041	0	1	1
Ece1_j3	11.0461	11.7988	0	1	1
Eif4g3_j4	3.44006	0.723545	-2.24928	0	0
Eif4g3_j11	3.19347	3.44106	0.107725	0.457021	0.760235
Eif4g3_j15	10.0818	12.0588	0.258333	0.0108317	0.0907682
Hp1bp3	4.35855	4.77548	0.131799	0.492055	0.78083
Hp1bp3	4.39578	3.64435	-0.270457	0.214843	0.560355
Hp1bp3_j3	1.67922	1.09957	-0.610861	0.0890359	0.365707
Hp1bp3_j5	0.0728921	0 -1.79769e+308		0.0316451	1
Sh2d5_j1	1.20641	0.447498	0	1	1
Kif17_j5	0.505802	0.0686543	0	1	1
Kif17_j3	0.556704	0.395838	-0.492001	0.163548	0.498858

Ddost	31.5964	31.8241	0	1	1
Mul1_j1	1.20544	1.3035	0.112834	0.537272	0.807424
Mul1	5.43011	5.47716	0.0124461	0.906254	0.970331
Camk2n1_j1	2.2633	1.94168	-0.221122	0.237828	0.584631
Pla2g2d	0.768173	1.74415	1.18303	2.17E-07	1.07E-05
Tmco4_j4	0.0728879	0 -1.79769e+308		0.0075523	1
Tmco4_j1	0.174774	0.0761195	-1.19915	0.148505	0.477341
Tmco4	0.563873	0.617894	0.131989	0.673568	0.877015
Capzb	175.9	196.291	0.158239	0.0646998	0.302393
Akr7a5	13.1561	12.4586	-0.0785867	0.523079	0.799177
C230096C10Rik	14.7427	14.4654	-0.0274002	0.759836	0.917276
Ubr4_j2	0.286824	0.362261	0.336865	0.161963	0.497121
Ubr4_j1	1.0751	0.666921	-0.688884	6.42E-05	0.0014756
Ubr4_j13	0.894029	0.0444348	-4.33056	0.000273	0.0049504
Iffo2	0.332922	0.545096	0	1	1
Iffo2_j1	0.336611	0.275003	0	1	1
Aldh4a1	3.98335	4.12535	0	1	1
Aldh4a1_j1	5.05833	5.742	0	1	1
Gm1667_j2	1.58109	1.65465	0.065607	0.83462	0.946855
XLOC_023207	0.18476	0.0415771	-2.15179	0.0061247	0.0595357
Rcc2_j2	2.98564	0.956318	0	1	1
Rcc2_j4	6.78251	8.67768	0	1	1
Sdhb	34.0554	37.3026	0.131392	0.17576	0.514267
Sdhb_j1	53.0154	61.7086	0.21906	0.0410086	0.227624
Atp13a2	1.49094	0	0	1	1
Atp13a2_j4	0.31259	0.216464	0	1	1
Fbxo42	5.46962	4.68442	0	1	1
Fbxo42_j4	0.467227	1.04003	0	1	1
6330545A04Rik	0.427776	0.149274	-1.5189	0.00047	0.0077293
XLOC_023214	0.180061	0.0938999	-0.939287	0.164336	0.500271
Arhgef19_j1	0.187133	0.196912	0	1	1
Arhgef19_j4	0.0738739	0	0	1	1
Arhgef19_j8	2.82439	3.31633	0	1	1
Fam131c	1.53039	1.7929	0.228396	0.349359	0.687112
Hspb7	0.203139	0.14292	-0.507259	0.444446	0.752113
Zbtb17	5.62218	5.50527	-0.0303171	0.814495	0.939456
Casp9	8.17434	7.69128	0	1	1
XLOC_023226	0.101685	0.0316489	-1.68388	0.366013	1
Anp32b-ps1	13.9661	16.9194	0.276744	0.0189047	0.135632
Pramef8	0.652404	0.426461	-0.613352	0.103246	0.398343
Pramef8	4.15029	3.52074	-0.237334	0.0930275	0.375197
Gm13082	78.3339	70.3767	-0.154538	0.13775	0.461659
Dhrs3	2.52782	2.48705	-0.0234633	0.90202	0.968734
Gm13152_j1	0.176231	0.167001	-0.0776096	0.946808	0.984298
Gm13152_j2	0.57156	0.443419	-0.366236	0.43347	0.744803
Gm13152_j4	0.160221	0 -1.79769e+308		0.0320331	0.194047
2510039O18Rik	8.88195	9.03755	0.0250544	0.842223	0.950214

Nppb	8.63076	8.179	-0.0775636	0.641845	0.861896
Mthfr_j6	1.68354	2.04907	0	1	1
Mad2l2_j4	0.86396	0.763552	0	1	1
Fbxo2	171.648	171.169	0	1	1
Mtor	8.9396	8.59386	-0.0569046	0.543745	0.811058
Mtor_j4	16.9105	17.0383	0.0108625	0.925345	0.976852
Exosc10	6.47031	7.39549	0.192811	0.115719	0.423274
Srm	21.8961	25.3759	0.212786	0.0658886	0.306275
Gm13203_j1	0.660053	2.21552	1.74699	1.40E-05	0.0004131
Dffa	1.48161	0.946106	0	1	1
Lzic_j1	0.154174	0.29935	0	1	1
Lzic	1.86957	1.70532	0	1	1
Ctnnbip1	6.67035	5.88233	0	1	1
Ctnnbip1_j1	0.636559	0	0	1	1
Clstn1	3.61514	3.9637	0	1	1
Clstn1_j4	31.7004	19.4307	0	1	1
Clstn1_j5	13.3315	18.2674	0	1	1
Gm13067_j1	0.775799	0.389947	-0.992403	7.96E-06	0.0002536
XLOC_023268	0.163206	0.0592829	-1.46101	0.267068	0.616066
XLOC_023268	0.296592	0.114069	-1.37857	0.0002885	0.0051761
Gpr157	3.51276	2.91745	-0.267895	0.0399419	0.223613
Gm5506_j1	0.25574	0.343565	0	1	1
Rere_j2	3.85152	3.21827	-0.259142	0.0397444	0.222943
Rere_j8	2.12329	1.24076	-0.775075	4.47E-05	0.0010847
Rere_j10	5.17231	4.41215	-0.229327	0.0622681	0.295391
Rere_j13	8.78208	11.3382	0.368555	0.0015914	0.0207562
Errfi1	7.29309	7.16584	-0.0253927	0.820907	0.942065
Dnajc11	16.8163	17.3523	0.0452722	0.644122	0.862786
Klhl21	6.15	5.57963	-0.140418	0.24758	0.595013
No19	1.35285	1.377	0.025524	0.905772	0.970052
mKIAA0720_j2	0.576901	0.0299584	0	1	1
mKIAA0720_j5	0.762305	0.793892	0	1	1
mKIAA0720_j6	1.98029	2.1449	0	1	1
mKIAA0720_j10	0.670851	0	0	1	1
Tnfrsf25_j4	0.37052	0.337245	0	1	1
Acot7	56.4021	64.1306	0.185265	0.0442612	0.239938
Acot7_j2	13.1534	0	-1.79769e+308	7.52E-47	2.65E-44
Gpr153_j1	0.301302	0.112524	0	1	1
Gpr153	4.98219	3.44659	0	1	1
lcmt_j1	0.273057	0.135277	0	1	1
lcmt_j2	16.7417	18.7099	0	1	1
Chd5_j3	0.970508	0.855408	0	1	1
A430005L14Rik	5.52713	5.58679	0.0154894	0.931437	0.979142
BC046331	2.28017	1.87973	0	1	1
Lrrc47	8.33276	8.2865	-0.00803142	0.937762	0.980993
Megf6_j1	0.197355	0.237187	0.265234	0.658936	0.870368
AK083203	2.1644	2.3248	0.103142	0.541879	0.809832

Ttc34_j2	0.148284	0	-1.79769e+308	3.60E-05	0.0009019
Hes5	2.24312	2.3513	0.0679524	0.764874	0.91949
Pank4_j1	2.12711	1.63194	-0.382314	0.0634754	0.298841
Pex10	1.51726	1.49874	0	1	1
Morn1_j1	0.13217	0.0292922	-2.1738	0.0213025	1
Morn1	0.815303	0.728705	-0.162002	0.630463	0.856286
2610002J02Rik	6.01472	3.97451	0	1	1
2610002J02Rik	21.521	25.6423	0	1	1
2010015L04Rik	0.971037	0.676675	-0.521064	0.0374843	0.214638
2010015L04Rik_j2	0.222427	0.209306	-0.087715	0.898133	0.967613
2010015L04Rik_j5	0.0728086	0.0952412	0.387476	0.726425	1
2010015L04Rik_j7	0.126319	0.11008	-0.198517	0.811471	1
Gnb1	90.5758	70.5653	0	1	1
Nadk	6.23081	6.1997	0	1	1
XLOC_023310	0.0927128	0.0583236	0	1	1
Cdk11b_j1	0.501605	0.452143	0	1	1
Cdk11b_j8	8.62091	9.80521	0	1	1
B930041F14Rik	2.17627	1.94367	0	1	1
Ssu72_j5	1.69678	1.09377	0	1	1
Ssu72_j4	9.55249	9.89724	0	1	1
Mrpl20_j2	0.221146	0.590669	1.41735	0.0590674	0.28563
Aurkaip1_j3	0.19018	0.28736	0	1	1
Aurkaip1	17.1885	16.492	0	1	1
Mxra8_j4	0.0720624	0	0	1	1
Dvl1	11.5023	12.7269	0.145961	0.246381	0.594086
Acap3_j1	2.17279	2.59161	0.254295	0.0565976	0.278347
Ube2j2_j1	0.80699	0.841694	0.0607464	0.846128	0.951378
Fam132a	4.79522	4.83071	0.010638	0.952488	0.986299
Sdf4_j8	17.7526	15.4064	0	1	1
9430015G10Rik_j6	0.599318	0.576255	-0.0566142	0.830993	0.945521
9430015G10Rik_j10	0.713416	0.914155	0.357694	0.304778	0.65013
XLOC_023328	0.584813	0.421128	-0.473718	0.363531	0.697532
Tmem68	3.93546	3.56227	0	1	1
Plag1_j1	0.150042	0.0884594	-0.76228	0.181146	0.521088
Plag1_j2	0.0793823	0.0238185	-1.73673	0.126505	1
Penk_j1	3.22162	5.49635	0.770686	0.000763	0.0115254
Penk	5.3856	6.9512	0.368153	0.0284653	0.179488
Impad1	6.01322	5.47245	0	1	1
Nsmaf_j2	0.0679151	0.0726697	0	1	1
Nsmaf_j3	0.07085	0.0609123	0	1	1
Tox_j2	0.426409	0.776354	0.864476	0.0104628	0.0883916
Car8	1.54896	1.50033	0	1	1
Asph	20.9478	15.7724	-0.409403	4.47E-05	0.0010851
Plekhf2	3.10509	3.19609	0.0416733	0.788135	0.929506
2310030N02Rik	2.24681	2.27085	0.0153512	0.95829	0.988063
2310030N02Rik_j2	1.81714	1.63666	-0.150917	0.659599	0.870764
AK080292_j1	0.155707	0.2035	0.386203	0.335614	0.676294

Ints8	1.51946	1.41227	-0.105541	0.568883	0.825693
Dpy19l4	2.49885	1.61207	0	1	1
Pdp1_j1	2.91881	2.3188	0	1	1
Pdp1	5.88034	5.1486	0	1	1
Pdp1	1.70022	0.707513	0	1	1
Tmem67	0.944175	0.822222	-0.199526	0.448659	0.755215
Tmem67_j6	0.282779	0.233081	-0.278845	0.602347	0.842837
Gm11843	0.844367	0.670457	0	1	1
Fam92a_j6	0	0.118307	0	1	1
Fam92a_j11	1.42097	0	0	1	1
Gm11826	15.7439	16.6206	0.0781803	0.633073	0.857438
Slc26a7_j1	0.655401	0.766242	0.225422	0.434995	0.745922
Slc26a7_j3	0.598153	0.217187	-1.46157	0.0006154	0.0096983
Otud6b_j4	10.4696	10.753	0	1	1
Necab1_j3	8.74624	8.24291	0	1	1
Necab1	17.4164	12.2077	0	1	1
Decr1	13.8185	13.9181	0.0103634	0.917023	0.97399
Osgin2_j1	0.211206	0	0	1	1
Osgin2	4.07174	3.46767	0	1	1
Rip2_j2	0.398469	0.378813	0	1	1
Rip2_j1	0.265759	0.387885	0	1	1
Cpne3	18.2753	13.3858	0	1	1
Wwp1_j8	1.05772	0.38586	-1.45481	0.0009643	0.0138988
Wwp1_j7	0.396426	0.318541	-0.315571	0.562013	0.821919
Wwp1_j6	0.407342	0.296931	-0.456112	0.402371	0.725465
Nkain3	0.354019	0.492614	0.476631	0.225094	0.572335
2610029I01Rik	17.8856	15.2262	-0.232238	0.0433283	0.236221
Klhl32_j5	0.100438	0 -1.79769e+308		2.42E-05	1
Klhl32	0.500811	0.211666	-1.24248	0.000263	0.0048062
Klhl32_j7	0.256622	0.348829	0.442873	0.437517	0.747721
Ufl1_j1	0.0853171	0.178458	1.06467	0.0409476	0.227363
1810074P20Rik	6.24287	6.47564	0.0528119	0.677587	0.878807
Manea	1.67393	1.5228	0	1	1
Manea_j2	6.19372	4.14367	0	1	1
Gm11914	1.00588	0.848616	-0.245276	0.525966	0.800977
XLOC_023380	0.109764	0 -1.79769e+308		0.089573	1
XLOC_023381	0.0701068	0.0001085	-9.33571	0.955864	1
XLOC_023381	0.0813859	0.0229038	-1.82919	0.417519	1
XLOC_023381	0.0553122	0 -1.79769e+308		0.0832602	1
XLOC_023381	0.0499193	0 -1.79769e+308		0.105916	1
Ankrd6_j4	0.237194	0.401959	0	1	1
Ankrd6_j5	0.440432	0.080056	0	1	1
Ankrd6_j1	1.03759	0.943322	0	1	1
Ankrd6	0.896388	0.991095	0	1	1
Ankrd6	1.13554	1.13578	0	1	1
Pm20d2	0.649014	0.560649	-0.211152	0.425994	0.74082
Pnrc1	7.13004	7.38975	0.0516162	0.717666	0.898239

Pnrc1_j3	0.460749	0.455494	-0.016546	0.980245	0.994006
Orc3	0.0974323	0.0669008	-0.542377	0.253277	1
Slc35a1	3.41352	3.36219	-0.0218581	0.900509	0.968352
1700003M02Rik_j3	2.13637	1.49624	-0.513816	0.0225636	0.153205
1810030N24Rik	5.24915	4.57911	-0.197017	0.40636	0.727764
Zfp292_j1	0.155434	0 -1.79769e+308		0.0707626	0.319729
Zfp292	0.623902	0.27736	-1.16956	2.54E-05	0.0006731
Mobkl2b	0.912578	1.00529	0.139593	0.489812	0.779571
Mobkl2b_j1	0.202293	0 -1.79769e+308		1.78E-08	1.19E-06
3110043O21Rik_j1	1.05703	0.642094	-0.719167	0.0349128	0.205291
3110043O21Rik_j2	0.706994	0.426081	-0.73057	0.0762773	0.333677
Lingo2_j2	0.0447391	0.0747422	0	1	1
Lingo2_j3	0.0622432	0.15915	0	1	1
Lingo2_j4	0.30906	0.154348	0	1	1
Ddx58	3.96271	4.00589	0.0156331	0.903332	0.969103
Topors	1.00224	0.994693	-0.0109103	0.964141	0.989941
Ndufb6	97.3511	89.3208	-0.124201	0.198099	0.541214
Smu1	7.9151	8.22548	0	1	1
B4galt1	4.15521	3.50161	0	1	1
Bag1	0.496816	0.567636	0	1	1
Nol6	8.11122	6.89976	0	1	1
Ubp2_j3	11.2539	11.8396	0	1	1
Ubp2_j4	2.14775	2.76007	0	1	1
Ubp2	4.08512	4.32132	0	1	1
Dcaf12	0	0.0959482 1.79769e+308		0.0003682	1
Kif24_j1	0.084082	0.031447	-1.41888	0.212787	1
Al464131	3.78299	3.84621	0.0239095	0.834905	0.946943
Smrp1_j4	2.85E-05	0.0609274	11.0631	0.973955	1
Smrp1_j10	0.199471	0 -1.79769e+308		0.0021255	0.0262016
2310028H24Rik_j3	12.4583	12.1268	0	1	1
2310028H24Rik	34.319	29.7456	0	1	1
Enho	21.8298	34.8698	0.675683	1.88E-10	1.79E-08
Cntfr_j1	19.1746	20.7602	0	1	1
Cntfr	12.1646	6.29091	0	1	1
2810432D09Rik	3.48308	3.70086	0.0874939	0.619609	0.850756
Dctn3	118	121.564	0.0429336	0.628426	0.855356
Sigmar1	54.9817	64.8813	0.238852	0.0078727	0.0717138
XLOC_023426	0.211377	0.0809548	-1.38463	0.113557	0.419331
Vcp_j9	0.976752	1.10469	0.177584	0.707224	0.893223
Vcp_j10	0.377074	0.254887	-0.564988	0.162506	0.498004
Vcp_j13	2.21162	2.2588	0.030453	0.943357	0.982934
Fancg	2.2507	2.87835	0.354867	0.0612457	0.292138
Fancg_j2	1.03962	0.498586	-1.06014	0.0039263	0.0423286
Pigo_j7	0.0773105	0.0431905	-0.83995	0.528465	1
Pigo_j8	0	0.243225 1.79769e+308		0.0001418	0.0028695
Pigo	0.599561	0.0801974	-2.90228	1.96E-05	0.0005465
Stoml2	6.31025	5.34579	-0.239293	0.204581	0.548743

B230312A22Rik_j2	0.099569	0	0	1	1
B230312A22Rik	4.94152	7.46354	0	1	1
B230312A22Rik_j3	0.799631	1.48981	0	1	1
B230312A22Rik_j4	3.82967	2.51785	0	1	1
Fam166b_j1	0.209277	0.133657	0	1	1
Rmrp	1.48151	2.81438	0.92575	0.0419757	0.231358
E130306D19Rik_j2	0.153054	0.123834	-0.305632	0.740675	0.909129
Tpm2	0.176055	0 -1.79769e+308		0.0074668	0.0691206
Tpm2_j4	0.304783	0.255637	-0.253685	0.695209	0.887572
Tln1_j1	12.1826	16.025	0	1	1
Gne	0.219772	0.227233	0	1	1
Rnf38_j1	1.10328	0.763694	0	1	1
Rnf38_j3	3.71007	2.38845	0	1	1
Rnf38_j2	0.676313	0.188443	0	1	1
Zbtb5	0.602467	1.02934	0	1	1
Zbtb5	0.395026	0.393929	0	1	1
Zbtb5	0.181748	0.14971	0	1	1
Fbxo10_j2	0.762692	0.679126	-0.167421	0.583932	0.833209
Fbxo10	2.19041	2.13715	-0.0355175	0.825588	0.943748
Tomm5_j3	4.27558	4.8504	0.181985	0.557201	0.819456
Tomm5	3.90107	3.48544	-0.162528	0.627471	0.854629
Tomm5	0.509942	0.201495	-1.33959	0.266126	0.615299
Exosc3_j1	1.08937	1.23447	0.180388	0.430699	0.743283
Exosc3	0.272724	0.292246	0.099743	0.791859	0.930476
Mcart1	8.70217	7.34409	0	1	1
Shb_j1	0.547699	0.514487	-0.0902484	0.848776	0.952149
Shb	0.510231	0.474733	-0.104036	0.762725	0.918312
Tstd2	0.666038	0.612352	-0.121244	0.486	0.777413
Tstd2_j2	3.21857	3.39668	0.0777063	0.540524	0.808873
5830415F09Rik	0.592353	0.699267	0.239387	0.497246	0.783771
Trim14	0.619978	0.639261	0.0441898	0.895447	0.96693
Coro2a	40.7207	38.2963	0	1	1
Tbc1d2_j1	0.111648	0.0253733	-2.13758	0.0989241	1
Tbc1d2_j2	0.121611	0 -1.79769e+308		6.95E-05	1
Gabbr2	23.1128	17.423	0	1	1
Anks6_j1	0.338772	0.270404	-0.325201	0.362995	0.697185
Anks6_j9	0.304375	0.20577	-0.564812	0.284646	0.633366
Alg2	47.8234	49.41	0.0470882	0.588375	0.835489
Erp44	3.36679	2.66658	0	1	1
Tex10	1.90736	1.59787	0	1	1
Baat_j1	0.1548	0 -1.79769e+308		0.0022363	0.0272162
2810432L12Rik_j3	0.149854	0	0	1	1
2810432L12Rik_j2	28.3683	27.4042	0	1	1
Grin3a_j1	0.187544	0.121068	0	1	1
Grin3a	0.973802	0.750779	0	1	1
AK012547	0.361302	0.45279	0.325637	0.608347	0.845647
Abca1	2.59955	5.34752	0	1	1

Al427809_j1	0.333512	0.525953	0.657196	0.124792	0.440142
XLOC_023480	0.188055	0.173626	0	1	1
Klf4	1.19551	1.41199	0.2401	0.249337	0.596796
Ikbkap_j7	0.0641212	0.0408114	-0.651831	0.527094	1
Ikbkap	0.550625	0.422447	-0.382302	0.129863	0.448865
Ctnnal1_j5	1.63373	1.33266	0	1	1
Ctnnal1	7.37208	6.69371	0	1	1
D730040F13Rik	0.333149	0.401483	0	1	1
6430704M03Rik	3.27605	2.71573	0	1	1
6430704M03Rik	3.25856	1.33285	0	1	1
Epb4.1l4b_j10	0.31702	0 -1.79769e+308		1.91E-12	2.60E-10
Epb4.1l4b_j9	0.168229	7.33E-05	-11.165	0.825532	0.943705
Epb4.1l4b_j5	0.172912	0.750523	2.11786	7.67E-10	6.59E-08
Epb4.1l4b	3.27413	3.33762	0.0277078	0.871423	0.959195
Ptpn3_j6	1.1213	0.140068	0	1	1
Ptpn3_j3	8.57827	7.76572	0	1	1
Txn1_j2	3.76365	2.36702	-0.66906	0.379728	0.711031
Txn1	24.5768	26.2972	0.0976121	0.460728	0.762129
Svep1_j4	0.15648	0 -1.79769e+308		4.98E-05	0.0011885
Lpar1_j4	10.5571	5.62593	0	1	1
Lpar1	16.5183	14.2176	0	1	1
Ptgr1	10.5225	9.47281	-0.151615	0.289658	0.637033
Susd1	0.250571	0.157013	-0.674336	0.243461	0.590641
Rod1_j3	0.0474067	0.0291494	-0.701623	0.549276	1
Rod1_j4	0.302085	0 -1.79769e+308		5.43E-11	5.83E-09
Rod1	2.13083	1.80143	-0.242271	0.153768	0.486555
1110054O05Rik	3.09566	3.29141	0.0884568	0.575208	0.828142
1110054O05Rik_j2	5.2687	4.42996	-0.250155	0.137643	0.461429
Zfp37_j4	0.669722	0.405959	-0.722226	0.0579703	0.28254
Zfp37	0.37299	0.247492	-0.591756	0.145044	0.472862
Fkbp15	1.49099	1.33011	0	1	1
Fkbp15_j2	0.346588	0.183628	0	1	1
Fkbp15_j6	5.01006	4.75016	0	1	1
Cdc26_j1	0.380807	0.364451	-0.0633345	0.841164	0.949877
Wdr31	0.37573	0.164773	-1.18921	0.0190458	0.136262
Hdhd3	3.38535	2.76847	-0.290214	0.155406	0.488472
Alad	0.0558788	0.225013	2.00964	0.0011472	0.0159621
Alad	3.97751	3.44722	-0.206435	0.0805325	0.345294
Pole3	5.03395	5.06019	0.00750138	0.961567	0.989122
Akna_j5	0.65298	0.533824	-0.290676	0.490928	0.780156
Akna_j7	0.112052	0 -1.79769e+308		9.72E-06	1
Akna_j8	0.120673	0.0185959	-2.69805	0.0496342	1
Whrn	2.55124	1.0635	0	1	1
Tnc_j2	0.0865302	0.113639	0.393182	0.508752	1
Astn2_j1	4.7525	3.91748	0	1	1
Dbc1	3.87384	2.76535	0	1	1
Gm11223	111.449	144.182	0	1	1

Gm11224	10.8288	12.1441	0.165388	0.234798	0.582023
Cdk5rap2	1.44771	1.24233	-0.220721	0.179171	0.518765
Megf9	18.3729	14.3955	-0.351955	7.16E-05	0.0016136
Tle1_j2	1.93651	1.72396	0	1	1
Tle1_j3	3.22104	1.7158	0	1	1
Tle1	0.802663	0.503751	0	1	1
Tle1_j12	3.75712	3.01638	0	1	1
Rasef_j4	0.171039	0 -1.79769e+308		5.66E-08	3.29E-06
Rasef_j2	0.00870014	0.233313	4.74509	0.0006218	0.0097715
3110001D03Rik_j1	0.619508	0.693729	0.163249	0.521142	0.798005
3110001D03Rik	6.82248	7.57146	0.150274	0.240976	0.588146
Ptprd_j2	0.127883	0.0233835	-2.45126	0.0284557	1
Mpdz_j12	1.28194	1.00664	-0.348786	0.0829045	0.350922
Nfib	2.43422	2.70806	0	1	1
Zdhhc21_j2	4.38815	1.48224	0	1	1
Zdhhc21	2.20142	1.41735	0	1	1
Cer1	0.38413	0.301584	-0.349037	0.181349	0.521294
Frem1_j2	0.248507	0.207545	-0.259862	0.651708	0.866378
Frem1_j4	0.0688085	0.135374	0.97629	0.0725364	1
Frem1_j3	0.05843	0 -1.79769e+308		0.0004078	1
Ttc39b_j2	3.31926	2.03106	0	1	1
Psip1_j3	11.0362	8.84569	0	1	1
Psip1	8.06205	9.62189	0	1	1
XLOC_023541	0.0974511	0.0178781	-2.44649	0.286231	1
XLOC_023541	0.0701778	0 -1.79769e+308		0.0007701	1
Bnc2_j3	0.884697	0.0172068	0	1	1
Bnc2_j4	0.160255	0.0141939	0	1	1
Bnc2_j6	0.630812	0.586221	0	1	1
Bnc2_j2	1.15298	0.709857	0	1	1
Haus6	0.334184	0.175186	-0.931755	0.0126281	0.101902
Plin2_j2	0.185049	0.0498361	0	1	1
Slc24a2_j5	16.4783	16.3059	0	1	1
Mllt3_j2	0.92448	0.000680863	0	1	1
Mllt3	2.97301	2.35569	0	1	1
Ptplad2_j1	0.355292	0.379702	0.0958632	0.755857	0.915824
Klhl9	24.6541	22.0176	-0.163172	0.067258	0.310074
Cdkn2a	0.704105	0.950886	0.433482	0.385307	0.713951
Cdkn2a	0.693332	1.00613	0.537193	0.189984	0.531833
Cdkn2b	3.19701	3.70896	0.214293	0.251739	0.599666
XLOC_023557	0.562079	0.532449	-0.0781288	0.884314	0.963396
XLOC_023557	0.486737	0.601838	0.306234	0.346599	0.685483
XLOC_023559	0.0846019	0.081084	-0.0612723	0.949316	1
Elavl2_j3	1.66114	6.76919	0	1	1
Elavl2_j2	11.0024	11.4625	0	1	1
Elavl2	18.1263	15.5264	0	1	1
Gm12669	95.1207	100.202	0.0750742	0.396227	0.721006
Tusc1	1.79431	2.48041	0.467148	0.0352728	0.206787

AK080222	0.700362	0.571618	-0.293051	0.402075	0.725226
5830433M19Rik_j2	0.729582	0.649202	-0.168404	0.673954	0.877026
5830433M19Rik	2.14282	2.2793	0.0890816	0.664222	0.87286
Plaa_j1	21.2863	23.697	0	1	1
Plaa	7.92051	7.37352	0	1	1
4930579C15Rik_j1	0.174744	0.0404464	-2.11116	0.0977285	0.386304
Mysm1	1.12052	0.825025	0	1	1
Cyp2j13_j1	0.156817	0.169951	0.116037	0.781867	0.926329
Cyp2j13_j3	0.141953	0.0239812	-2.56544	0.158385	0.492583
Cyp2j6	17.2398	15.9947	-0.108147	0.259988	0.608587
Cyp2j9	13.278	13.4343	0.0168847	0.879567	0.96152
E130114P18Rik	0.0895145	0 -1.79769e+308		0.0346547	1
E130114P18Rik	0.534888	0.433336	-0.303751	0.521146	0.798005
Tm2d1_j1	0.23342	0.369777	0.663729	0.498158	0.783887
Tm2d1_j4	7.44648	7.33402	-0.0219531	0.933126	0.979673
Kank4	8.4622	4.76365	0	1	1
Dock7_j8	2.5064	3.78695	0.595419	0.0299749	0.185644
Dock7_j5	0.323194	0.446362	0.465816	0.15708	0.490842
Dock7_j7	4.14171	4.34032	0.0675747	0.560174	0.821025
Gm12688_j3	0.536547	0.44882	0	1	1
Gm12688_j2	0.439514	0.529514	0	1	1
Itgb3bp	0.212146	0.215161	0.0203612	0.965701	0.990168
Itgb3bp	1.0892	0.862402	-0.336842	0.108204	0.408949
Gm12699	1.5656	1.66753	0.0909985	0.716381	0.897624
Jak1_j2	46.6531	56.9998	0	1	1
Jak1	9.577	8.78141	0	1	1
Gm12799	0.922942	1.53203	0	1	1
Insl5	0.124207	0.191685	0.62599	0.487844	0.778453
Slc35d1	0.549627	0.495062	0	1	1
Prkaa2_j3	5.50839	5.10442	0	1	1
Prkaa2	1.77893	1.85897	0	1	1
Gm12722	12.403	14.1276	0.18783	0.270338	0.619522
Pcsk9	0.790562	0.767064	-0.0435311	0.869126	0.958391
Pcsk9_j3	0.110221	0.0160035	-2.78393	0.0893406	1
Pcsk9_j4	0.126816	0 -1.79769e+308		0.000191	1
BC055111_j1	0.14641	0 -1.79769e+308		0.0083921	0.0751587
Ttc4_j3	0.103146	0.0788966	0	1	1
Ttc4	3.06461	3.28435	0	1	1
Gm1027_j2	0.0938306	0 -1.79769e+308		0.0016279	1
Gm1027_j12	0.103645	0.0844846	-0.294895	0.801159	1
Acot11	1.90709	1.63078	0	1	1
Acot11_j2	0.404917	0.402602	0	1	1
Mrpl37	14.7755	14.8943	0.0115539	0.910157	0.971586
Lrrc42	9.45579	11.3434	0.262581	0.0449701	0.242379
Gm12908	0.678383	0.4211	-0.687938	0.0724864	0.323935
Cpt2	15.2634	14.4568	-0.0783356	0.457566	0.760488
Podn_j4	0.0795685	0.0564751	-0.494581	0.684932	1

Podn_j5	0.10546	0	-1.79769e+308	0.0670428	1
Scp2_j4	3.16588	1.59775	-0.986568	0.0011229	0.0156877
Zyg11b	8.16454	6.77499	0	1	1
Zyg11b_j1	0.342176	0.270018	0	1	1
Fam159a	0.173105	0.509716	1.55805	0.0134751	0.10663
Gpx7_j2	0.103396	0.120134	0.21647	0.874054	1
Gpx7	0.820308	1.01081	0.301273	0.348205	0.686627
Zfyve9_j1	5.45478	4.64086	0	1	1
Zfyve9_j2	0.486143	0.238904	0	1	1
Osbpl9_j1	13.679	16.1453	0	1	1
AK148461_j2	1.50969	0.742333	0	1	1
AK148461_j3	2.58401	2.39134	0	1	1
Rnf11	69.7694	70.8945	0	1	1
Cdkn2c	1.67448	1.55549	-0.106342	0.731292	0.904922
Cdkn2c	0.508911	0.553729	0.121767	0.742802	0.909993
Elavl4_j5	29.1328	31.3325	0	1	1
Elavl4	16.1773	14.7426	0	1	1
Elavl4_j1	36.2894	27.2325	0	1	1
Gm12818	3.46314	4.20719	0.280775	0.13291	0.453791
Cmpk1	25.3378	24.5966	0	1	1
Cyp4x1	2.19343	2.06104	0	1	1
Cyp4b1	1.22114	2.29668	0.911323	0.0001525	0.0030566
4930544O15Rik_j1	0.123445	0.0474743	-1.37865	0.183591	1
Faah	5.37095	4.40546	-0.285885	0.0168823	0.125138
Nsun4_j3	5.58242	4.97908	0	1	1
Nsun4	1.6198	1.54376	0	1	1
Uqcrh_j1	117.899	116.063	0	1	1
Uqcrh	12.2492	10.7832	0	1	1
1520402A15Rik	2.26252	1.71043	-0.403567	0.0064935	0.0621533
Tspan1_j1	0.189893	0	-1.79769e+308	0.0035387	0.03927
Tspan1	0.104639	0.0530948	-0.978777	0.333861	1
Mast2_j5	0.147179	0	-1.79769e+308	1.04E-05	0.0003208
Mast2_j6	4.48204	3.07544	-0.543361	0.0001359	0.0027676
Tmem69	3.4014	3.54472	0.0595417	0.715449	0.897199
Tmem69_j1	0.695036	0.628975	-0.144085	0.688412	0.88417
Akr1a4_j2	3.23914	3.62306	0.161598	0.533109	0.804862
Akr1a4_j1	0.471617	0.507622	0.106137	0.858752	0.95526
Mmachc	8.93959	9.35433	0.0654263	0.585833	0.834076
Toe1	1.16285	0.812039	0	1	1
Btbd19_j4	0.103179	0	-1.79769e+308	0.0173034	1
Btbd19_j5	0.111536	0.0849847	-0.392229	0.682359	1
Plk3	3.95522	3.65953	-0.1121	0.49661	0.783429
Kif2c_j1	0.184083	0	-1.79769e+308	0.0037369	0.0408742
Rnf220_j2	20.1597	18.306	0	1	1
Rnf220_j3	7.20102	5.38932	0	1	1
B4galt2	7.27871	8.76217	0.267606	0.0362963	0.210507
Atp6v0b	78.5226	98.3802	0	1	1

Dph2	4.67549	4.89812	0.0671093	0.646076	0.863528
Ipo13	1.82756	1.86662	0	1	1
Ipo13_j3	0.268392	0.0602719	0	1	1
St3gal3	3.09747	2.79998	0	1	1
St3gal3	1.67873	1.89708	0	1	1
Kdm4a_j2	4.01762	4.97771	0	1	1
Kdm4a_j3	4.47854	4.37201	0	1	1
Kdm4a	2.83505	2.62456	0	1	1
Ptprf_j7	39.7253	40.187	0	1	1
Ptprf_j6	1.24304	2.33994	0	1	1
Ptprf_j5	4.86295	11.8344	0	1	1
Szt2	0.633961	0.646792	0	1	1
Szt2_j8	0.615349	0.327343	0	1	1
Cdc20	0.166849	0.435121	1.38287	0.0077454	0.0709858
Gm12858	1.72633	2.62266	0.603326	0.215525	0.561474
Tie1	2.47371	2.79032	0.173756	0.235013	0.582228
Zfp691	0.398461	0.398121	-0.00123012	0.997501	0.999228
Zfp691	0.53418	0.590479	0.144559	0.692898	0.8862
Zfp691	0.578474	0.780791	0.432684	0.246946	0.594488
AU022252_j1	0.482778	0.320858	-0.589426	0.0218228	0.14967
AU022252	0.543425	0.63412	0.222675	0.283619	0.631995
Ybx1_j1	22.1133	27.3941	0.30895	0.0326489	0.196535
Ybx1_j5	3.86622	5.26967	0.44679	0.0131545	0.104906
Ccdc30	1.06326	1.0395	-0.0326002	0.902033	0.968734
Ccdc30_j2	0.680594	0.572473	-0.249588	0.475765	0.771627
Ppcs	0.916158	1.27559	0	1	1
Ppcs	4.97104	4.34189	0	1	1
Ppcs_j2	0.603123	0.384679	0	1	1
Rimkla_j3	22.7076	17.7643	0	1	1
Rimkla	19.7667	11.167	0	1	1
Foxo6	0.50155	0.519783	0.0515181	0.877664	0.96086
Ctps_j2	2.43579	1.72776	0	1	1
Kcnq4_j2	1.80752	1.7886	0	1	1
Kcnq4_j1	7.08297	4.02421	0	1	1
Dem1	2.23404	2.94051	0.39641	0.0379786	0.216437
Dem1	0.834404	0.681038	-0.293011	0.443105	0.751132
Smap2_j3	5.57728	7.39805	0	1	1
Smap2	27.7662	22.9599	0	1	1
Zmpste24	17.0328	16.6024	-0.0369259	0.702357	0.890916
Rlf_j3	0.0727279	0	0	1	1
Rlf_j2	1.15282	0.814412	0	1	1
Rlf	0.393736	0.147746	0	1	1
Gm12873_j2	0.371045	0.273356	-0.440814	0.450516	0.756158
Cap1	26.5026	28.8929	0	1	1
Cap1	80.7977	82.4008	0	1	1
Mfsd2a_j1	0.749253	0.69999	0	1	1
Mfsd2a	1.04539	1.13178	0	1	1

Ppie	5.62627	6.70102	0.252203	0.166917	0.503257
Macf1_j12	4.17956	2.45607	-0.767	0.0008375	0.012435
Macf1_j1	0.148836	0.013254	-3.48923	0.0036829	0.0405203
Macf1_j2	0	0.0625729	1.79769e+308	7.39E-05	1
Ndufs5_j1	6.64811	5.43396	-0.29094	0.363173	0.697228
Ndufs5	1.71995	1.31922	-0.382684	0.51195	0.791859
Akirin1_j3	0.452254	0.566346	0	1	1
Akirin1_j2	1.73328	0.769401	0	1	1
Akirin1	4.9342	5.83815	0	1	1
Utp11l	4.83196	5.16915	0.0973178	0.467528	0.766717
Cdca8	1.01295	1.437	0.504495	0.0323521	0.195255
Zc3h12a	0.564494	0.501143	-0.171737	0.558617	0.82019
1700029G01Rik_j9	0.0325307	0.0612801	0.913615	0.540926	1
1700029G01Rik_j8	0.148315	0	-1.79769e+308	0.0007572	0.0114554
Thrap3_j4	3.61864	4.25992	0.235379	0.20889	0.552995
Thrap3_j5	0.218781	0.126088	-0.795059	0.373203	0.706135
Thrap3_j18	0.492482	0.0880626	-2.48347	0.0276883	0.176253
Mtap7d1_j3	39.2683	68.6939	0	1	1
Adprhl2_j1	1.49569	0.386776	0	1	1
Tekt2_j1	0.102806	0.0957156	0	1	1
Eif2c3	0.364769	0.22699	-0.684353	0.010756	0.0903045
Eif2c3_j2	0.0567163	0	-1.79769e+308	1.53E-06	1
Eif2c1	1.80056	1.33191	0	1	1
Ncdn_j4	0.144044	0	0	1	1
Ncdn_j5	2.33526	0.517238	0	1	1
Ncdn_j1	88.1759	75.2365	0	1	1
Ncdn	20.8412	17.5093	0	1	1
Zmym4	1.54241	1.15241	-0.42053	0.0155157	0.117584
Gja4	0.543072	0.518014	-0.0681523	0.871511	0.959237
XLOC_023729	0.164199	0.0924466	-0.828757	0.24528	0.592751
Zscan20	0.303209	0.228606	-0.407447	0.23036	0.57734
Zfp362_j2	0.371905	0	0	1	1
Zfp362	0.993017	0.900065	0	1	1
Zfp362_j4	0.28785	0.27973	0	1	1
Adc_j2	1.46919	1.78648	0	1	1
Adc	34.5229	39.2041	0	1	1
Hpca	7.70793	7.48098	-0.0431161	0.768054	0.921018
S100pbp_j3	0.321199	0.152331	0	1	1
S100pbp_j5	0.539587	0.859925	0	1	1
S100pbp_j4	3.89533	3.56358	0	1	1
C77080	27.5834	21.359	0	1	1
Rbbp4	20.0176	19.2102	-0.0593929	0.510193	0.791002
Zbtb8b	0.303193	0.137726	-1.13843	0.0176633	0.129159
Hdac1_j1	0.210218	0.311065	0.565329	0.390939	0.717624
Hdac1_j3	0.53892	0.291478	-0.886682	0.183086	0.523605
Hdac1_j9	0.102556	0.0418319	-1.29374	0.246213	1
Hdac1_j8	0.163414	0.0728344	-1.16584	0.161276	0.496147

Lck_j1	0.770731	0.798521	0.0511019	0.863814	0.956651
Lck	0.122337	0.2846	1.21807	0.0819624	0.348847
Fam167b	1.45057	1.29634	-0.162177	0.588404	0.835489
Eif3i_j5	0.673894	0.781291	0	1	1
Txlna_j3	1.00544	1.22307	0	1	1
Kpna6_j1	4.87812	3.38475	0	1	1
Kpna6	5.63282	4.20399	0	1	1
Tmem39b	2.12957	2.24558	0.0765251	0.731926	0.905184
Tmem39b_j2	0.192878	0 -1.79769e+308		0.0017269	0.0222194
Khdrbs1	30.3618	28.121	-0.110609	0.221025	0.568055
Hcrtr1	0.750353	0.935267	0.317809	0.33275	0.673866
Hcrtr1_j1	0.300008	0.0514067	-2.54497	0.0330657	0.198211
Tinagl1	2.69819	3.19628	0.2444	0.156143	0.489534
Serinc2_j1	9.0457	11.0336	0	1	1
Zcchc17	1.06906	1.24451	0	1	1
XLOC_023758	0.129141	0.10431	-0.308071	0.729495	1
Ptpru_j9	0.0871121	0.0399207	-1.12574	0.244091	1
AK047558_j1	0.232788	0.261524	0.167928	0.635277	0.858544
Epb4.1_j4	1.22046	0.932446	-0.388329	0.0122283	0.0995614
Epb4.1_j7	0.436279	0.0303806	-3.84403	3.09E-10	2.83E-08
Epb4.1_j5	0.175888	0.365916	1.05685	8.75E-05	0.0019115
Oprd1	3.48141	2.40052	-0.536327	3.87E-06	0.0001355
Ythdf2	8.72036	8.45001	-0.0454345	0.651427	0.86624
Gmeb1_j2	0.143317	0.0497654	0	1	1
Rab42-ps	0.114576	0.107997	-0.0853095	0.934572	1
Trnau1ap	4.07534	4.20461	0.045054	0.835819	0.947255
Trnau1ap_j5	0.245692	0.180754	-0.442824	0.649707	0.86543
Rcc1	3.35044	4.88432	0	1	1
Snhg3	8.10917	9.45825	0.222019	0.273634	0.62279
Phactr4_j3	0.154536	0.147412	0	1	1
Phactr4	0.702837	0.667235	0	1	1
Med18	2.43656	2.27994	-0.0958491	0.626254	0.854124
Sesn2	2.44038	3.41906	0.48649	0.000755	0.0114285
Atpif1	59.5389	59.9197	0	1	1
Xkr8	1.15082	0.799799	0	1	1
Ppp1r8_j2	0.162093	0.0720804	0	1	1
Ppp1r8_j3	5.64338	6.35775	0	1	1
Ppp1r8	1.60299	0.955999	0	1	1
Stx12_j5	4.73904	1.74733	0	1	1
Stx12	14.9319	13.4191	0	1	1
Fam76a_j1	3.60456	4.13882	0	1	1
Fam76a	4.56067	4.52484	0	1	1
Gpr3	0.311928	0.264469	-0.238114	0.617725	0.84955
Gpr3_j1	0.103825	0.154384	0.572376	0.39481	1
Tmem222_j2	23.9558	25.6407	0.0980612	0.395385	0.72052
Tmem222	5.89403	5.76744	-0.0313229	0.847721	0.951788
Wdtdc1_j5	7.59802	7.64933	0	1	1

Wdtdc1	8.46044	6.3049	0	1	1
Wdtdc1_j3	7.42361	8.5545	0	1	1
Trnp1_j1	316.199	283.184	-0.159089	0.0705683	0.319287
Trnp1	36.3802	30.3975	-0.259201	0.0028637	0.0331929
Nudc_j1	0.425818	0.421445	0	1	1
Zdhhc18_j9	38.3507	49.958	0	1	1
Zdhhc18_j3	4.9103	5.67708	0	1	1
Pigv	0	0.136662	0	1	1
Pigv_j1	0.277182	0.144346	0	1	1
Arid1a_j2	1.05923	0.540747	0	1	1
Rps6ka1_j1	2.15742	4.47155	0	1	1
Rps6ka1	1.5335	2.65599	0	1	1
Rps6ka1	3.05066	3.5564	0	1	1
Hmgn2_j7	0.674721	0.537566	-0.32785	0.565571	0.823908
Dhdds	4.90315	5.02291	0	1	1
Dhdds	18.0167	14.527	0	1	1
Sh3bgrl3	83.2462	99.3961	0.255804	0.0039402	0.0424438
Ccdc21_j2	0.066711	0.0562955	-0.244905	0.81346	1
Ccdc21	3.074	3.01893	-0.0260781	0.857953	0.954916
Gm7534_j3	0.529156	0.985273	0.896831	0.0006673	0.0103356
Zfp593	5.13759	5.91407	0.203061	0.144056	0.471055
Grrp1	0.899539	1.18369	0.396028	0.282949	0.631512
Grrp1_j2	0.141629	0.165395	0.223801	0.748429	0.91244
Grrp1_j1	0.133249	0.129592	-0.040147	0.963914	1
Pdik1l	1.89338	1.77996	-0.0891205	0.592129	0.837679
Fam54b_j3	14.1121	20.3307	0	1	1
Fam54b	20.3425	17.5252	0	1	1
Fam54b	24.1818	21.2064	0	1	1
Sepn1_j2	0.0808055	0	0	1	1
Sepn1_j3	0.687138	0.886946	0	1	1
Man1c1_j1	0.498677	0.516947	0	1	1
Man1c1	5.32901	6.30804	0	1	1
Ldlrap1_j1	0.165685	0.0924798	-0.84123	0.274739	0.623768
Ldlrap1	0.237209	0.356842	0.589129	0.126743	0.443429
Tmem57_j1	1.39093	1.40707	0	1	1
Tmem57_j2	2.16046	2.98058	0	1	1
Tmem57	8.25935	8.11034	0	1	1
Tmem50a	78.0021	77.0185	0	1	1
Clic4	22.2425	28.4908	0	1	1
Srrm1_j3	2.82837	2.89396	0	1	1
Srrm1	10.8249	10.6375	0	1	1
Rcan3_j2	4.89613	5.11871	0	1	1
Rcan3_j1	4.08781	2.59685	0	1	1
Grhl3_j4	1.88606	1.28524	-0.55333	0.0158271	0.119366
Grhl3	0.000189221	0.0623344	8.36381	0.810164	1
Pnrc2	11.6816	13.6853	0.22839	0.0556929	0.275839
Lypla2	54.2458	56.344	0.0547522	0.543315	0.810795

1110049F12Rik_j3	1.2699	1.26098	0	1	1
1110049F12Rik_j2	6.98125	9.3792	0	1	1
1110049F12Rik	8.76533	8.95719	0	1	1
Tceb3	6.76434	7.4163	0.13275	0.21657	0.562689
Rpl11_j4	0.532696	0.569771	0.0970721	0.785399	0.928136
Kdm1a_j1	5.85753	7.32176	0	1	1
Kdm1a_j2	5.00203	4.20026	0	1	1
Ephb2_j3	0.0844782	0 -1.79769e+308	0.0006789		1
C1qb	1.60941	3.75363	0	1	1
C1qc_j1	7.46897	18.8568	1.3361	0	0
C1qc	1.89141	4.30217	1.18561	2.86E-08	1.81E-06
C1qa	1.54653	3.81101	1.30113	6.02E-06	0.0001992
Epha8_j2	0.108602	0.0758414	-0.517995	0.558246	1
Epha8_j4	0.0777283	0.0143136	-2.44105	0.142702	1
Zbtb40_j3	0.15572	0.455432	1.54828	0.0064754	0.0620406
Zbtb40_j4	0.128619	0.159127	0.307074	0.546833	0.81317
Zbtb40_j1	0.609402	0.607334	-0.00490456	0.982065	0.994576
Cdc42_j1	9.79531	6.76646	0	1	1
Cdc42_j2	2.9488	1.74297	0	1	1
Cdc42_j6	41.6057	29.1747	0	1	1
Alpl	3.96994	3.45716	-0.19953	0.236651	0.583799
Pink1_j2	38.591	34.3713	0	1	1
Pink1_j1	47.5292	46.2401	0	1	1
Cda	4.97832	6.11221	0.296034	0.184637	0.525051
Otud3	3.01439	3.00232	-0.00578632	0.963442	0.989786
Htr6	0.140602	0.202483	0.526181	0.415231	0.733161
Nbl1_j1	54.0007	64.4931	0	1	1
Nbl1	29.7348	31.1489	0	1	1
2310028O11Rik	5.38565	4.16172	0	1	1
Gm16287_j1	0.267765	0.163355	-0.712953	0.367636	0.701064
Pqlc2_j2	1.78758	1.89824	0	1	1
Pqlc2	0.228411	0.0957977	0	1	1
Igsf21_j1	3.29865	1.78697	0	1	1
Igsf21_j3	0.338964	0.985536	0	1	1
Igsf21	7.0234	4.04215	0	1	1
Arhgef10_j6	0.337819	0.220964	0	1	1
Arhgef10_j3	16.1236	14.5635	0	1	1
Padi4_j1	0.169869	0.0746083	-1.18701	0.294361	0.641101
Crocc_j8	0.220899	9.27E-05	-11.2181	0.745269	0.911274
Crocc	0.116566	0.126862	0.122115	0.813886	1
Crocc_j12	0.421348	0.131545	-1.67946	0.0555733	0.275486
Necap2_j2	0.403416	0	0	1	1
Necap2_j1	1.74711	2.34452	0	1	1
Necap2	4.47578	4.99239	0	1	1
D4Ertd22e_j3	0.517171	0.795935	0	1	1
D4Ertd22e_j4	0.614516	0.717267	0	1	1
D4Ertd22e	6.84861	6.16964	0	1	1

Gm694	0.244092	0.340981	0.482268	0.341626	0.681532
Spen_j4	0.590323	0.719897	0	1	1
Spen_j5	0.811625	0.912794	0	1	1
Fblim1_j1	0.501464	0.384873	-0.381764	0.344263	0.684009
Plekhm2_j5	9.06971	10.7661	0	1	1
Plekhm2	4.65339	5.27237	0	1	1
Plekhm2_j7	11.4437	11.8213	0	1	1
Ddi2_j2	0.103815	0.149059	0	1	1
Ddi2	5.71505	4.18171	0	1	1
Dnajc16	3.1459	1.46525	0	1	1
Dnajc16_j3	2.05256	2.47173	0	1	1
Efhd2	3.1384	3.62836	0	1	1
Tmem51	6.95416	6.09954	-0.189174	0.199672	0.542685
Tmem51_j3	0.800407	0.712507	-0.167829	0.639066	0.860252
9030409G11Rik_j5	0.280115	0.00338277	0	1	1
9030409G11Rik_j4	5.44099	5.50551	0	1	1
9030409G11Rik	1.13376	0.637438	0	1	1
AK018156_j3	0.0523846	0.0806986	0.623403	0.547813	1
AK018156_j5	0.220372	0 -1.79769e+308	0.005466	0.0543019	
Prdm2_j1	0.0947349	0	0	1	1
Prdm2_j2	0.910281	0.362999	0	1	1
Pdpn	9.23787	10.8778	0.235753	0.0663975	0.307848
Vps13d_j8	1.0355	1.04064	0	1	1
Vps13d_j7	0.113938	0.194111	0	1	1
Vps13d_j9	0.663746	0.574046	0	1	1
Tnfrsf1b_j1	0.906004	1.20337	0	1	1
Tnfrsf1b	0.266097	0.992656	0	1	1
Tnfrsf8_j1	9.32E-06	0.578518	15.9219	0.984391	0.995386
2610305D13Rik_j1	0.457674	0.0351613	0	1	1
Gm13157_j6	1.27348	0.428242	0	1	1
Zfp933	1.12498	1.01659	0	1	1
Miip_j4	7.05E-05	0.0903801	0	1	1
Miip_j3	1.98099	2.01624	0	1	1
Miip	1.33741	1.32458	0	1	1
Mfn2_j1	22.4949	28.0769	0	1	1
Mfn2	27.7259	23.5025	0	1	1
Plod1	5.93455	6.21648	0.0669582	0.61762	0.849545
Agtrap	10.2076	10.5342	0.0454402	0.661154	0.871517
2610109H07Rik	0.656667	1.76687	1.42797	6.66E-15	1.30E-12
Fbxo44	25.5176	20.6394	0	1	1
Fbxo44_j2	0.769708	0.675528	0	1	1
Ptchd2	6.43272	4.88095	-0.398265	6.59E-05	0.0015096
Tardbp	7.0226	5.8207	0	1	1
Pex14	28.166	27.7497	-0.0214802	0.825753	0.943781
Apitd1	2.18148	2.4454	0.164763	0.526193	0.800979
Rpsa-ps12	20.4506	22.9757	0.167961	0.153152	0.485324
Pgd	20.6712	17.9179	0	1	1

Kif1b	17.5819	10.0458	0	1	1
Kif1b_j7	10.255	12.178	0	1	1
Ube4b	9.53103	9.1098	0	1	1
Rbp7	0.880451	0.416358	-1.08042	0.0112983	0.0938069
Nmnat1	1.10362	0.741213	0	1	1
XLOC_023915	0.268187	0.112156	-1.25773	0.181919	0.522252
Pik3cd_j1	10.0025	10.438	0.0614885	0.514938	0.793837
Pik3cd	1.11833	0.787706	-0.505617	0.0658758	0.306245
Tmem201_j4	2.24773	1.9751	0	1	1
Tmem201	5.14307	4.81414	0	1	1
Slc25a33	18.0864	14.1906	-0.349974	0.0030623	0.0350039
Gm13073_j1	0.107067	0.0768064	-0.479215	0.544618	1
Spsb1_j1	1.60281	2.10512	0	1	1
Spsb1_j3	2.70324	1.02875	0	1	1
Spsb1	4.04728	4.9957	0	1	1
H6pd	0.35264	0.348998	-0.0149768	0.95801	0.987996
Slc45a1	33.6825	29.9872	-0.167652	0.0731877	0.325768
Park7_j1	2.66591	3.29455	0.305455	0.349447	0.687145
Park7_j2	0.438272	0.615753	0.490524	0.474854	0.77086
Per3_j2	0.348618	0.193024	-0.852868	0.0689657	0.314824
Per3_j3	0.288272	0	-1.79769e+308	7.76E-13	1.12E-10
Vamp3	1.88256	1.27499	0	1	1
Camta1_j5	3.21287	1.07102	0	1	1
Camta1_j4	11.2005	7.07367	0	1	1
Thap3	6.02413	6.3295	0.07134	0.669054	0.874746
Phf13_j2	2.07517	2.92018	0	1	1
Phf13	0.886371	0.650505	0	1	1
Zbtb48_j1	0.290401	0.19565	-0.569769	0.456797	0.760049
Espn_j2	0.0626121	0.0354639	0	1	1
Hes3_j5	0.114717	0.073259	-0.646998	0.533752	1
Kcnab2_j3	88.3723	57.8775	0	1	1
Ajap1_j1	0.0510361	0.0721064	0.498609	0.69342	1
Dffb_j1	0.812647	0.491352	-0.725871	0.0739224	0.327783
Dffb_j3	0.308735	0.201261	-0.617299	0.301855	0.648067
1190007F08Rik_j1	0.0840684	0.0703995	-0.255998	0.720244	1
1190007F08Rik	0.564231	0.459499	-0.296222	0.288239	0.636106
Tprgl_j3	2.7048	4.57317	0	1	1
Tprgl	23.6478	25.0132	0	1	1
Arhgef16_j1	0.382748	0.556224	0.539272	0.0503102	0.259342
5930403L14Rik	5.60511	4.87137	-0.202416	0.0780936	0.338561
2810405K02Rik	17.4222	18.472	0.0844128	0.411221	0.730635
Tnfrsf14_j1	0.0869054	0	-1.79769e+308	0.0035557	1
Plch2_j3	0.40082	0.368712	-0.120459	0.792019	0.930585
Plch2_j5	0.0495076	0	-1.79769e+308	0.0050649	1
Plch2_j8	0.28829	0.490476	0.766663	0.196334	0.539086
Rer1	27.0316	26.7408	0	1	1
Ski	5.25371	4.95292	0	1	1

Ski_j2	1.72598	1.92938	0	1	1
Prkcj_j1	0.281046	0.294648	0.0681884	0.852071	0.953028
Prkcj_j8	0.236582	0.160292	-0.561633	0.121764	0.434527
Gabrd	0.272834	0.211264	-0.368973	0.520864	0.797932
Mib2_j4	0.0219932	0.321389	3.86919	3.50E-05	0.0008803
Mib2_j5	0.316231	0.0931797	-1.76289	0.0016507	0.0213986
Atad3a_j7	2.35313	2.97123	0	1	1
Atad3a_j5	0.782145	1.40388	0	1	1
Atad3a_j1	1.03109	1.11005	0	1	1
Atad3a	1.21889	1.23518	0	1	1
Vwa1	5.08876	4.51933	0	1	1
Vwa1_j1	15.6516	17.6802	0	1	1
Gltpd1	32.9175	30.6175	-0.104501	0.261808	0.610988
Agrn_j15	5.47331	9.21189	0	1	1
Agrn_j16	1.97771	2.65506	0	1	1
Agrn_j17	2.38141	2.00897	0	1	1
Agrn_j18	2.24438	3.53653	0	1	1
lsg15	2.57441	3.4832	0.436169	0.141924	0.46851
Plekhn1_j9	0.122667	0.187719	0	1	1
Al838599_j3	0.088364	0.0701211	-0.333609	0.793556	1
Tgs1_j3	1.75969	1.72107	0	1	1
Lyn_j1	0.27943	0.552384	0.983185	0.0414518	0.229352
Chchd7	6.27578	7.8022	0	1	1
Chchd7	4.20219	4.8884	0	1	1
Sdcbp	40.589	40.4426	0	1	1
Sdcbp_j1	0.395571	0.484794	0	1	1
Rab2a_j1	8.69549	11.1801	0	1	1
Chd7_j5	0.397712	0.341832	-0.218436	1	1
Clvs1_j1	2.89748	3.33714	0	1	1
4930412C18Rik_j4	0.24758	0.279273	0.17378	0.708344	0.893803
4930412C18Rik_j9	0.304512	0.174978	-0.799327	0.120587	0.432541
4930412C18Rik_j8	0.220839	0.119317	-0.888199	0.160755	0.495357
XLOC_022700	0.0791542	0.0627966	-0.33398	0.743852	1
Rbm12b	0.269303	0.360291	0	1	1
Tmem55a_j1	0	0.811777	1.79769e+308	4.48E-06	0.0001533
AK080160_j4	0.104983	0.375512	1.83871	0.0202149	0.141938
Mmp16	0.808362	2.28015	0	1	1
Ggh_j1	1.58047	2.40079	0.603155	0.227577	0.574755
Ccnc	9.12719	8.78491	0	1	1
Usp45_j3	0.117567	0.0952953	0	1	1
Sfrs18_j10	8.51955	8.38696	0	1	1
Coq3	1.6832	1.82861	0	1	1
XLOC_022742	0.109957	0.0887679	0	1	1
Map3k7	0.713641	0.703089	0	1	1
Bach2_j6	0.163027	0.305261	0.904936	0.0395795	0.222296
Mdn1_j6	2.43946	3.34374	0	1	1
Rragd_j1	1.2247	2.58106	0	1	1

Srsf13b_j2	0.542355	0.55774	0	1	1
Gm12371	1.08867	0.654482	0	1	1
Dnaja1_j3	0.432881	0.292549	0	1	1
Nfx1_j3	1.89763	2.60951	0	1	1
Ube2r2_j3	3.83989	6.55934	0.772487	0.0457464	0.24483
Ubap1_j1	16.403	16.1435	-0.0230123	0.854583	0.953957
Nudt2_j3	0.127076	0.278631	0	1	1
Il11ra1_j1	5.20138	5.3883	0.050936	0.704678	0.892088
Gm2506_j1	1.16373	1.18638	0.0278108	0.959754	0.988566
Gm2506	4.34259	3.89231	-0.157932	0.499441	0.784604
XLOC_022782	1.0513	0.798089	-0.397546	0.0279125	0.177103
N28178_j4	74.2597	60.8045	0	1	1
N28178_j3	0.458403	0.897364	0	1	1
N28178_j5	1.77803	1.35231	0	1	1
N28178_j16	37.1526	28.5786	0	1	1
Unc13b_j1	0.331979	0.0831434	-1.99742	0.0019525	0.0245338
Unc13b_j14	0.821764	1.05368	0.358646	0.29193	0.638801
Atp8b5_j12	0.0884422	0.136384	0.62487	0.688329	1
Rusc2_j2	0.1709	0	0	1	1
Rusc2_j1	0.0927734	0	0	1	1
Npr2	26.9945	24.4502	0	1	1
Npr2_j6	0.181901	0.425313	0	1	1
Tmem8b_j2	0	0.0602509	1.79769e+308	0.0083064	1
Frmpr1	17.9737	12.237	0	1	1
AK044089_j1	0	0.161375	1.79769e+308	0.0433637	0.236335
Tmod1_j2	0.766995	0	-1.79769e+308	6.35E-07	2.79E-05
XLOC_022822	0.0900764	0.0453451	-0.990204	0.704962	1
Nans_j2	8.54985	7.76828	-0.138304	0.467941	0.766747
Stx17_j1	1.15267	1.7061	0	1	1
Invs_j1	0.753154	0.810505	0.105877	0.73981	0.908775
Invs_j2	1.18907	1.27763	0	1	1
Rnf20_j2	1.44832	1.29789	0	1	1
Smc2_j7	0.556022	0.451552	-0.300249	0.494837	0.782608
Gm12482	3.02664	3.42815	0.179711	0.412324	0.731395
Fktn_j6	0	0.429786	0	1	1
Zfp462_j2	0.104286	0.0423573	0	1	1
Zfp462_j6	0.526921	1.22914	0	1	1
Rad23b_j1	48.6082	54.7257	0	1	1
Akap2_j2	3.24385	5.03296	0.633699	3.43E-07	1.59E-05
Akap2_j5	0.125768	0.401308	1.67395	0.0045563	0.0473672
Bspry	0.000693636	0.0852508	6.94139	0.669285	1
Rgs3_j3	8.46412	8.56352	0	1	1
Rgs3_j1	3.77262	3.825	0	1	1
Rgs3_j2	12.1207	11.8351	0	1	1
XLOC_022880	0.0362675	0.0788014	1.11954	0.401157	1
XLOC_022880	0.101566	0.0718225	-0.499907	0.60174	1
Col27a1_j12	0.229692	0.24942	0.118875	0.780225	0.925835

Col27a1_j13	0	0.243463	1.79769e+308		0.0003354	0.0058544
Col27a1_j15	0.0909898	0.231673		1.34831	0.0740005	0.327958
6330416G13Rik_j3	2.32684	2.17326		0	1	1
6330416G13Rik_j7	0.247374	0.469123		0	1	1
AK131821	0.138351	0.108316		-0.353082	0.746921	0.911809
XLOC_022897	0.122641	0.183387		0.580448	0.687175	0.883705
Kdm4c	2.92209	2.562		-0.18973	0.215964	0.561743
Kdm4c_j3	2.31974	1.83461		-0.338488	0.273092	0.622078
Tyrp1	0.469884	0.618063		0	1	1
XLOC_022910	0.0620996	0.0624678		0.00852726	0.994013	1
XLOC_022911	0.257861	0.0317895		0	1	1
Cntln_j5	1.56761	1.04103		-0.590562	0.0034475	0.038478
Cntln_j6	0	0.29931	1.79769e+308		2.01E-05	0.0005568
Sh3gl2_j3	28.217	15.1413		0	1	1
Acer2_j2	0.171421	0.0920501		-0.897054	0.462018	0.763059
BC042782_j1	0.202664	0.340172		0	1	1
BC042782_j3	0.0893589	0.180639		0	1	1
XLOC_022929	0.238774	0.293353		0	1	1
Fggy_j7	0.176311	0.548571		1.63756	0.0192629	0.137392
Fggy_j6	1.38406	0.975958		-0.504012	0.125723	0.441571
Fggy	2.46938	3.31662		0.425564	0.0389626	0.220129
Hook1_j4	0	0.0802988	1.79769e+308		0.0501116	1
Nfia_j1	0.0524573	0.14762		1.49268	0.0071805	1
Nfia_j2	0.0735442	0.0874205		0.249361	0.67099	1
Inadl	7.56056	4.69245		0	1	1
Foxd3	2.21246	2.56308		0	1	1
Efcab7_j2	0	0.0482769	1.79769e+308		0.142971	1
AK002929_j5	0.0804962	0.0997365		0.3092	0.777712	1
Sgip1_j2	0.316196	0.798456		0	1	1
Sgip1	1.12546	0.430366		0	1	1
Sgip1_j9	0.0876678	0		0	1	1
Tctex1d1_j7	0.0688025	0.0169122		-2.0244	0.355871	1
Mier1	0.354866	0.188083		-0.915907	0.0462427	0.246485
Mier1	0.109443	0.11328		0.0497134	0.938709	1
Oma1_j3	0	0.330165	1.79769e+308		0.0549124	0.273295
1700024P16Rik_j7	0.164676	0.127876		-0.364878	0.728356	0.903681
Ppap2b_j1	9.40292	8.96648		0	1	1
Ttc22	0.0709461	0.0242339		-1.54969	0.30085	1
Ttc22_j1	0.273883	0	-1.79769e+308		1.76E-06	6.76E-05
Ttc22_j2	0.235641	0.346039		0.554345	0.215937	0.561703
Pars2_j1	0.379917	0.62758		0.724117	0.091495	0.371729
Fam151a_j3	0.76799	0.514197		0	1	1
Fam151a_j1	1.86966	2.87293		0	1	1
Ssbp3	1.99704	2.66745		0	1	1
mFLJ00377_j3	0.345675	0.859749		1.3145	0.0006701	0.0103725
XLOC_022974	0.243197	0.278592		0.196032	0.677697	0.878835
Tmem48	1.36609	1.00507		0	1	1

Glis1_j4	0.0560348	0.0712783	0.347141	0.777152	1
Txndc12	10.2611	11.283	0.136965	0.304741	0.65013
Eps15	0.362518	0.44282	0	1	1
Ttc39a	4.42422	4.12336	0	1	1
Bend5_j2	0.477599	0.6392	0.420469	0.3789	0.710432
Agbl4_j2	0.533164	0.580984	0.12392	0.833212	0.946329
9130206I24Rik_j7	0.0741447	0 -1.79769e+308		0.104156	1
4732418C07Rik	1.2282	1.95208	0	1	1
Atpaf1_j3	0.0896582	0.0117378	-2.93327	0.408471	1
Lrrc41_j2	0.785783	1.53631	0	1	1
Pomgnt1	21.5355	21.347	-0.0126868	0.895302	0.966918
Pik3r3_j1	0.142446	0.0525988	0	1	1
Ipp_j1	0.317151	0.29993	-0.0805445	0.893979	0.966325
Prdx1_j1	1.12473	1.34588	0.258974	0.349267	0.687028
AK078255_j1	0.0490726	0.0542857	0.145657	0.913598	1
Hectd3	13.7197	13.1538	-0.0607712	0.533844	0.805306
Ptch2_j5	0.0470165	0.0267647	-0.812834	0.721338	1
Ptch2_j6	0	0.232374 1.79769e+308		0.027024	0.173499
XLOC_023028	0.0970597	0.147884	0.607521	0.55785	1
Eri3_j4	9.36847	11.9833	0	1	1
Slc6a9_j3	0.155082	0.216146	0.478972	0.380943	0.711636
Hyi	2.2347	2.44826	0.131676	0.498809	0.78413
Ebna1bp2_j2	0.542922	0.0776803	0	1	1
Slc2a1_j1	0.394954	2.91103	0	1	1
Foxj3	0.213479	0.000835382	0	1	1
Krc_j1	1.25232	3.7581	0	1	1
Krc	3.09974	3.41717	0	1	1
Krc_j2	2.84967	1.98992	0	1	1
XLOC_023043	0.772121	0.860924	0	1	1
Scmh1_j3	0.398545	0.465484	0	1	1
Rims3_j2	16.9627	17.2513	0	1	1
Rims3_j3	11.5782	11.7779	0	1	1
Col9a2	2.01127	1.96746	-0.0317729	0.873806	0.959888
Trit1_j2	0.2307	0.341897	0.567543	0.387468	0.715266
Trit1_j1	0.0525586	0.0733421	0.480714	0.757909	1
Pabpc4_j8	0	0.506914 1.79769e+308		8.47E-06	0.0002682
Fhl3_j3	0.0961945	3.93E-05	-11.2582	0.973212	1
Fhl3_j2	0.344798	0.453815	0.39635	0.456095	0.759674
Mtf1_j1	1.72874	1.85676	0.103059	0.432578	0.744293
AK134673_j5	0.0626241	0 -1.79769e+308		0.0108381	1
AK134673_j8	0.131448	0.218367	0.732269	0.267763	0.616423
Rspo1_j1	0	0.370119 1.79769e+308		0.0023131	0.0280173
Gnl2_j4	0.0639951	0	0	1	1
2310005N01Rik_j2	0.940203	1.48527	0.659682	0.0031519	0.0358763
Grik3_j2	0.175433	0.764134	2.1229	1	1
Mrps15	16.0408	17.5246	0.127633	0.294079	0.640914
Oscp1	0.313517	0.00789969	-5.3106	0.0006582	0.0102217

Oscp1_j3	3.58417	2.94462	-0.28356	0.132871	0.453727
Lsm10	0	0.313737	0	1	1
Lsm10	0.501626	0.191223	0	1	1
XLOC_023076	0.142319	0.19943	0	1	1
Fam176b_j2	0.143834	0.136057	-0.080201	0.942151	0.982391
Fam176b_j1	0.187701	0.120025	-0.645103	0.570677	0.826452
Zmym6_j1	0.80796	0.163462	-2.30533	1.38E-07	7.15E-06
Zmym6_j4	0.48771	1.17585	1.26961	9.66E-08	5.21E-06
Zmym6_j7	0.0287351	0.0678225	1.23895	0.279076	1
Dlgap3_j3	0.267403	0.239516	-0.158896	0.746054	0.911572
XLOC_023094	2.34918	2.62192	0.158469	0.587755	0.835072
XLOC_023094	0.306982	0.320267	0.0611176	0.876233	0.960645
mKIAA1884_j1	0.9729	1.57366	0	1	1
mKIAA1884_j2	0.131885	0.100295	0	1	1
Csmd2_j6	0	0.0740103	0	1	1
Csmd2_j7	1.4584	1.4535	0	1	1
Phc2_j1	0.64193	1.1014	0	1	1
Phc2_j2	9.32506	9.13495	0	1	1
A3galt2_j1	4.23782	4.35893	0	1	1
Ak2	5.55564	7.96682	0.52005	0.0005995	0.0094781
Tmem54	0.433916	0.630092	0.538147	0.17633	0.515018
Fndc5	12.2951	9.60873	-0.355668	0.0024517	0.029375
XLOC_023107	0.129822	0.0370088	-1.81059	0.355864	1
Zbtb8os_j1	1.15894	1.09444	-0.0826064	0.81603	0.94021
Zbtb8os_j5	0.0678514	0.176574	1.37982	0.0531672	0.268364
2510006D16Rik_j2	19.9148	25.1028	0	1	1
AK005651_j1	0.179159	0.113365	-0.660268	0.437747	0.747827
Bai2_j1	0.848564	0.783928	-0.114304	0.663019	0.872395
Bai2_j10	0.272489	0.311733	0.194109	0.646433	0.863677
Bai2_j12	1.61406	1.48216	-0.122995	0.686202	0.883052
Col16a1_j4	1.37052	2.68802	0	1	1
Col16a1_j6	0	1.42298	0	1	1
Col16a1_j7	2.82055	2.35731	0	1	1
Pum1_j8	0	0.119215	1.79769e+308	0.0043743	1
Pum1_j9	0.503101	0.602048	0.25903	0.401731	0.724982
XLOC_023128	0.114944	0.0921573	0	1	1
Cd164l2_j2	0.877126	0.69227	-0.341451	0.525549	0.800806
Cd164l2_j3	0.727856	0.565209	-0.364869	0.487673	0.77841
Cd164l2_j4	1.59516	1.27789	-0.319935	0.34474	0.684354
Map3k6_j1	0.223981	0.361664	0.69127	0.014068	0.109877
ASK2	1.46497	2.03786	0.476184	0.11907	0.429308
Fam46b	0.643154	0.383088	-0.747487	0.0354406	0.207411
Nr0b2	0.388157	0.211129	-0.878514	0.0947592	0.379546
Gpatch3_j1	0.320556	0.375341	0.227627	0.552739	0.816696
Gpatch3_j4	2.81938	3.17174	0.1699	0.321789	0.664878
Ubxn11_j7	0.177018	0.296819	0.745692	0.226431	0.573564
Pafah2_j4	0.481518	0.649813	0	1	1

2610002D18Rik	0	0.186081	1.79769e+308	0.0076973	0.0707122
D4Wsu53e	9.96746	12.809		0.361858	0.000423
Runx3_j1	1.55497	0.953763		-0.705181	0.0059719
Srsf10_j4	4.3486	4.17221		-0.0597398	0.697142
Srsf10_j5	10.6861	10.5218		-0.022362	0.856734
Fuca1	20.2874	20.2639		-0.0016707	0.98825
XLOC_023166	0.0278311	0.08711		1.64614	0.301217
E2f2_j1	3.86E-05	0.391289		13.3066	0.918398
E2f2_j3	0.350579	0.151909		-1.20653	0.0232546
Asap3	1.74803	1.98983		0.186918	0.245454
Hnrnpr_j1	1.05131	1.07969		0.0384244	0.872996
Hnrnpr_j2	8.32873	9.1354		0.133371	0.304674
Gm17388	0.177067	0.222592		0.330107	0.628715
Htr1d_j3	0.204081	0.222637		0.125552	0.748221
Htr1d_j4	6.85965	5.15192		-0.413027	0.0020686
Luzp1_j1	0.766958	0.925005		0	1
XLOC_023182	0.214964	0.159834		-0.427527	0.667405
Hspg2_j3	0.0816606	0.0556076		-0.554358	0.701783
Usp48_j10	1.06525	0.820638		-0.376372	0.185553
Rap1gap_j3	9.15405	6.6505		0	1
Eif4g3_j3	3.07872	3.47225		0.173541	0.154642
Eif4g3_j2	5.22186	3.55488		-0.554761	1.14E-06
Eif4g3_j7	3.17051	2.49772		-0.344103	0.0081818
Eif4g3_j18	14.3057	14.8791		0.0566953	0.554007
Kif17_j2	0.652086	0.913584		0	1
Kif17_j1	0	0.294077		0	1
Kif17_j2	0.132538	0.0702864		-0.915087	0.220092
Kif17_j1	0.0927289	0.0455794		-1.02464	0.355148
Camk2n1_j2	8.91149	9.11313		0.0322795	0.790185
Pla2g2d	0.0588371	0.20678		1.8133	0.0634965
Ubr4_j8	0.353499	0	-1.79769e+308	0.0013363	0.0180505
Ubr4_j9	0.863237	0.765932		-0.17254	0.635693
Ubr4_j10	7.62135	6.96668		-0.129577	0.166986
Ubr4_j14	35.4571	41.8526		0.239243	0.0091151
Iffo2_j3	0.993612	0.862844		0	1
Rcc2_j5	4.17167	2.93466		0	1
Padi2_j4	1.43E-05	0.13151		13.1713	0.976121
Atp13a2	44.6595	46.3574		0	1
Atp13a2_j3	23.242	27.935		0	1
Atp13a2_j5	9.00202	13.666		0	1
Mfap2_j1	0.54469	0.609479		0.162143	0.748219
Fbxo42_j1	0	0.0498596		0	1
Arhgef19_j3	0.875395	0.804935		0	1
Arhgef19_j2	1.24072	1.23987		0	1
Zbtb17_j1	0.630007	0.660231		0.0676046	0.791704
Casp9_j1	0.903572	1.65417		0	1
AK019631_j1	0.138865	0.112314		-0.306143	0.674923

AK019631	0.0153104	0.0782842	2.35421	0.150895	1
Gm10565_j1	0.123771	0.0757254	-0.708828	0.439918	1
Gm10565_j2	0.0688861	0.117378	0.768881	0.373113	1
Lrrc38	0.043374	0.272259	2.65008	0.0007273	0.011075
Dhrs3_j1	0.433381	1.05278	1.2805	0.0015951	0.0207882
Fbxo2_j2	23.2406	17.0529	0	1	1
Mtor_j1	1.03716	0.276039	-1.9097	2.66E-10	2.48E-08
Masp2_j1	5.68629	6.17504	0.11896	0.46615	0.765927
Casz1_j2	7.50728	5.08866	0	1	1
Casz1_j3	2.60939	2.9136	0	1	1
Dffa	11.4873	20.6423	0	1	1
Ctnnbip1_j4	0.131221	1.0246	0	1	1
Clstn1_j3	97.9959	82.3054	0	1	1
Clstn1_j2	0.198833	0.209485	0	1	1
XLOC_023268	0.211535	0.0580586	-1.86531	0.206936	0.551484
Gm5506_j5	3.64281	1.89582	0	1	1
Gm5506_j7	31.1149	45.0143	0	1	1
Dnajc11_j1	5.58932	6.01081	0.104887	0.693571	0.886804
NoI9_j1	3.03801	3.15342	0.053789	0.744853	0.910906
mKIAA0720_j3	0.0199367	0.161614	0	1	1
Acot7_j6	0.639535	0.625	-0.0331681	0.957291	0.987778
Gpr153_j3	9.61256	13.2593	0	1	1
Icmt	13.8946	11.4858	0	1	1
Rpl22	32.5904	33.3979	0.0353123	0.706503	0.892937
Rpl22_j1	1.68744	1.49517	-0.174532	0.631136	0.8565
Rpl22_j2	4.61878	4.99656	0.113423	0.629988	0.856283
A430005L14Rik_j1	0.813166	0.397437	-1.03283	0.126352	0.442698
BC046331_j2	5.08807	5.18885	0	1	1
Wdr8	8.29353	7.67869	0	1	1
Megf6_j8	0.225454	0.336486	0.577712	1	1
Ttc34_j1	0.0939041	0.0508315	-0.885465	0.387493	1
Ttc34	0.119834	0.227826	0.926891	0.0849444	0.355671
Hes5_j1	0.4626	0.301777	-0.616286	0.49531	0.78277
Morn1_j4	0.0561534	0.0357521	-0.651345	0.633822	1
Morn1_j6	0.0978168	0.0362598	-1.43171	0.224892	1
2610002J02Rik_j2	15.2844	17.8973	0	1	1
2010015L04Rik_j6	0.0429366	0.0849804	0.984922	0.443334	1
Gnb1	35.082	32.8349	0	1	1
Gnb1_j7	0.346588	0.57863	0	1	1
Nadk_j1	0.766274	1.2911	0	1	1
Slc35e2_j1	0.452863	0.607348	0	1	1
Cdk11b_j7	0.78465	1.211	0	1	1
Cdk11b_j10	2.05094	1.33165	0	1	1
Ssu72_j1	7.58061	7.52088	0	1	1
Ssu72	26.5762	26.5422	0	1	1
Gm5151_j1	1.90311	2.22358	0	1	1
Gm5151_j2	0.422133	0.217236	0	1	1

Gm5151	0.842198	0.738294	0	1	1
2610204G22Rik_j3	0	0.122863	1.79769e+308	0.0502989	1
Mrpl20	49.4231	53.6514	0.11843	0.262149	0.611283
Ccnl2_j1	2.63779	3.91769	0.570676	0.000487	0.0079703
Aurkaip1_j1	11.9872	12.4714	0	1	1
Mxra8_j3	0.000257889	0.343259	0	1	1
Mxra8_j2	0.410001	0.000200506	0	1	1
Dvl1_j5	0.532017	0.767228	0.528183	0.203565	0.547765
Dvl1_j3	1.9074	1.5598	-0.290246	0.320662	0.663889
Dvl1_j4	1.00457	1.53088	0.607791	0.0507263	0.260798
Acap3_j2	4.88755	5.17713	0.0830409	0.444174	0.752041
Acap3_j5	2.30177	2.45543	0.0932362	0.685159	0.882509
Ube2j2_j3	0.670396	0.828341	0.305209	0.520482	0.797892
Ube2j2_j5	0.0537708	0.131313	1.28811	0.241736	1
Sdf4_j1	0.178608	0.430506	0	1	1
Sdf4_j6	0.100835	0.097606	0	1	1
9430015G10Rik_j5	0.590938	0.458656	-0.365596	0.357951	0.693676
9430015G10Rik_j9	0.19774	0	-1.79769e+308	0.0001578	0.0031456
AK172315	0.0923366	0.099731	0.111139	0.897871	1
AW011738	0.680137	0.669466	-0.0228159	0.927145	0.977499
2310042D19Rik	0.443667	0.355088	-0.321301	0.263266	0.612179
Tmem68_j2	0.070789	0.0279441	0	1	1
Nsmaf_j4	12.1312	15.0264	0	1	1
Tox_j1	0.310291	0.612918	0.982075	0.0054886	0.0544821
Car8_j1	1.44286	1.67526	0	1	1
Asph_j1	2.00951	2.66215	0.405748	0.0679236	0.312003
2310030N02Rik_j4	0.903858	0.581844	-0.635464	0.280458	0.629124
Ints8_j2	0.0708363	0.0854197	0.27008	0.757568	1
Ints8_j4	0.741096	0.215541	-1.7817	0.0010873	0.0152508
Pdp1_j2	2.26989	3.27269	0	1	1
Tmem67_j2	0.72149	0.877072	0.281715	0.543354	0.8108
Fam92a_j4	4.66571	1.84136	0	1	1
Fam92a_j2	10.1305	10.6658	0	1	1
Fam92a_j3	1.33197	0.266068	0	1	1
Slc26a7_j2	0.104283	4.15E-05	-11.2952	0.946411	1
Otud6b_j6	0.258709	1.16012	0	1	1
Necab1_j1	0.631697	0.717477	0	1	1
Wwp1	0.449638	0.109488	-2.03799	2.02E-07	9.97E-06
Nkain3_j1	0.389741	0.171749	-1.18221	0.292818	0.639822
Nkain3	0.22782	0.681426	1.58067	0.0547665	0.273004
Klhl32_j3	0.0908202	0.273661	1.59131	0.0004206	0.007053
XLOC_023380	0.118035	0.125446	0.0878531	0.927281	1
XLOC_023380	0.0233131	0.0671715	1.52671	0.680192	1
XLOC_023381	0	0.0614496	1.79769e+308	0.190453	1
Ankrd6_j2	0.314084	0.0361589	0	1	1
4933421O10Rik_j1	2.10612	2.19157	0	1	1
Slc35a1_j1	3.10476	3.77211	0.28089	0.223939	0.571105

1700003M02Rik_j1	0.168913	0.000563274	-8.22823	0.907535	0.970775
1700003M02Rik_j1	0	0.15292 1.79769e+308		0.0122419	1
1810030N24Rik_j1	7.4223	4.79071	-0.631628	0.0231226	0.155713
3110043O21Rik	32.438	30.0348	-0.111048	0.22062	0.567463
Lingo2	0.651789	0.434126	0	1	1
Ddx58_j1	1.76241	2.19544	0.316964	0.119726	0.430688
Aptx_j3	0.0328904	0.10449	0	1	1
Aptx_j4	1.22326	1.1795	0	1	1
Bag1_j1	77.8694	89.5872	0	1	1
Nol6_j4	9.48897	9.39406	0	1	1
Smrp1_j6	0	0.050141 1.79769e+308		0.175188	1
Smrp1_j7	0.079906	0.114732	0.521894	0.724864	1
Smrp1_j8	0.0942461	0 -1.79769e+308		0.0556031	1
2310028H24Rik_j1	13.3055	15.2499	0	1	1
Cntfr_j5	6.41673	6.42622	0	1	1
Cntfr_j2	1.28997	0.820989	0	1	1
Ccl27a_j1	7.9493	8.56851	0.108217	0.595013	0.838618
Ccl27a	1.84297	1.5658	-0.235133	0.339292	0.679562
Gm1987_j5	0.193628	0.784898	2.01922	0.047636	0.250675
Gm1987_j6	0.0227792	0.522047	4.51839	0.0836515	0.352594
Gm1987_j3	0.301934	0.429795	0.509414	0.504758	0.787836
Vcp_j11	6.25923	5.89574	-0.0863111	1	1
Vcp_j14	19.9351	20.569	0.045162	0.793277	0.931082
Pigo_j10	0.644099	1.31561	1.03038	1.11E-05	0.0003396
Pigo_j9	1.61678	0.523151	-1.62782	4.28E-09	3.22E-07
B230312A22Rik_j5	8.65595	14.1811	0	1	1
Tpm2_j2	1.11211	0.592587	-0.908207	0.101557	0.394853
Tpm2	0.343089	1.26081	1.8777	0.0001768	0.0034664
Tpm2	0.28156	1.06139	1.91444	0.0001209	0.0025167
Hint2	7.80397	7.49416	-0.0584415	0.773174	0.923046
4930412F15Rik	0.25668	0.260879	0.023409	0.962581	0.989507
Tomm5_j2	38.2436	33.2604	-0.201416	0.170127	0.507178
Trim14_j8	0.942185	0.182913	-2.36485	0.0590789	0.28563
XLOC_023464	0	0.0795762 1.79769e+308		0.0434284	1
Alg2_j1	1.73475	1.91536	0.142888	0.545925	0.812733
Tex10_j2	0.581482	0.540359	0	1	1
Mrpl50	17.2336	17.8834	0.0533961	0.61052	0.846532
Grin3a_j2	1.79425	1.70846	0	1	1
Al427809	0.438105	0.258682	-0.760094	0.196305	0.539086
Ikbkap_j6	0	0.747296 1.79769e+308		1.76E-06	6.76E-05
Ikbkap_j1	10.8143	10.6654	-0.0199968	0.843793	0.950589
Ctnnal1_j6	3.08483	2.78128	0	1	1
D730040F13Rik_j4	0.997108	0.737393	0	1	1
D730040F13Rik_j7	0.149977	0.0624839	0	1	1
AK133010	9.78E-06	0.163322	14.0272	0.989101	0.996607
Al314180_j2	18.1085	20.1652	0	1	1
Susd1_j10	0.156045	0.00958241	-4.02543	0.0941637	0.378121

Rod1_j7	0.459556	0.498215	0.116528	0.784891	0.927751
1110054O05Rik_j1	0.231239	0.0574046	-2.01014	0.0478874	0.251563
Mup20_j1	0.0819495	0.0792344	-0.0486084	0.958108	1
Zfp37_j1	0.478585	0.472374	-0.0188452	0.959712	0.98856
Cdc26_j3	0.114092	0.085987	-0.408011	0.636841	1
Wdr31_j3	0.0722745	0 -1.79769e+308		0.0121751	1
Whrn_j3	1.95518	1.15447	0	1	1
Astn2	1.896	0.754647	0	1	1
Dbc1_j1	0	0.105633	0	1	1
Cdk5rap2_j6	2.63834	2.99753	0.18414	0.412645	0.731647
Tle1_j1	7.55935	6.04418	0	1	1
Tle1_j10	0.228493	0.317033	0	1	1
Ptprd_j1	0	0.127158 1.79769e+308		0.0005618	1
Ptprd	0.638934	0.296399	-1.10813	0.0633762	0.298613
Mpdz_j10	7.35035	8.06672	0.13417	0.367215	0.70072
Mpdz_j9	2.66246	2.72898	0.0356001	0.828613	0.944635
Ttc39b	1.0828	1.16855	0	1	1
XLOC_023541	0.075028	0.06947	-0.11104	0.910594	1
XLOC_023541	0.0590417	0.0413434	-0.514077	0.755397	1
XLOC_023541	0.0650171	0.000448753	-7.17875	0.823035	1
XLOC_023541	0.0909959	0.0831418	-0.130229	0.910974	1
XLOC_023541	0.220022	0.166317	-0.403711	0.677916	0.878919
Gm12414_j3	0.0579138	0.103953	0.843946	0.373868	1
Plin2_j3	8.84015	17.991	0	1	1
Slc24a2	1.62742	0.325718	0	1	1
Mllt3_j1	1.38885	2.98149	0	1	1
XLOC_023557	0.159249	0.201012	0.335991	0.745347	0.91128
Elavl2_j1	5.11326	5.58805	0	1	1
AK080222_j1	0.264562	0.216489	-0.289315	0.616272	0.848764
5830433M19Rik_j1	0.163603	0.318912	0.962957	0.0815348	0.347847
4930579C15Rik_j2	0.213878	0.172284	-0.311998	0.63299	0.857376
AK079280	0.302472	0.262885	-0.202366	0.710872	0.894923
Cyp2j12-ps	2.3738	1.96069	-0.275841	0.199975	0.543147
Cyp2j12-ps_j1	0.292042	0.431269	0.562411	0.534388	0.80555
Cyp2j12-ps_j2	0.718366	0.551933	-0.380225	0.55276	0.816696
E130114P18Rik_j1	0.153161	0.215043	0.489576	0.538933	0.80821
E130114P18Rik_j2	1.30455	1.19497	-0.126579	0.713388	0.896209
Tm2d1	2.26734	1.80014	-0.332894	0.362481	0.696764
Kank4_j1	7.76192	5.09325	0	1	1
Kank4_j2	3.8422	2.34076	0	1	1
Dock7_j1	0.152526	0.223359	0.550309	0.512027	0.79188
Jak1_j3	0.870907	1.08481	0	1	1
Jak1_j4	36.2618	37.9924	0	1	1
Wdr78_j4	0.123528	0.0601705	-1.03771	0.300356	1
Prkaa2_j1	0.607217	0.579338	0	1	1
Prkaa2_j2	0.69386	0.229417	0	1	1
BC055111_j2	0.164666	0.0997554	-0.72308	0.345695	0.684965

Ttc4_j1	2.81786	2.89058	0	1	1
Scp2_j1	8.96483	11.552	0.365799	0.0035089	0.0390115
Fam159a_j3	0.112137	0.127212	0.181974	0.906535	1
Gpx7_j1	2.24385	2.57622	0.199284	0.45603	0.759645
Prpf38a	5.90698	6.24322	0	1	1
Prpf38a_j1	0.166539	0.0515159	0	1	1
Zfyve9_j3	1.76202	1.80998	0	1	1
Zfyve9_j4	6.77911	3.80893	0	1	1
Btf3l4_j2	7.5929	6.7565	-0.168375	0.165378	0.501911
Osbpl9_j2	1.1015	2.50625	0	1	1
Osbpl9_j3	12.1251	9.43345	0	1	1
AK148461_j4	0.0862823	0.582984	0	1	1
Cyp4b1_j1	0.459723	3.14936	2.77622	4.97E-13	7.45E-11
4930544O15Rik_j2	0.26888	0.276336	0.0394624	0.941601	0.982193
Mast2	2.4867	2.96414	0.253386	0.110989	0.414596
Nasp	1.97451	2.06826	0.0669255	0.735675	0.906939
Akr1a4	331.96	373.933	0.171773	0.0497345	0.257546
Toe1_j2	1.0727	1.01737	0	1	1
Urod_j3	26.3562	25.4189	-0.0522395	0.676328	0.878168
Urod	8.10163	7.1229	-0.185747	0.0873835	0.361684
Btbd19_j1	0.0975423	0.095406	-0.0319471	0.975949	1
Rps8_j1	2.51698	2.59665	0.0449566	0.938526	0.981236
Rps8_j7	0.298725	0 -1.79769e+308		5.71E-05	0.0013345
Gm1661_j2	0.109713	0.100471	-0.126957	0.922892	1
Rnf220_j4	6.72313	9.12313	0	1	1
Dmap1	2.92142	3.15239	0	1	1
Ccdc24_j1	0.128391	0.194403	0.598508	0.252324	0.600308
Atp6v0b_j1	49.0821	60.9427	0	1	1
Ipo13_j7	3.37685	3.41584	0	1	1
Ipo13_j8	7.91207	8.53997	0	1	1
Ipo13_j9	0.410899	1.09746	0	1	1
St3gal3_j1	1.60697	1.37868	0	1	1
St3gal3_j4	1.82161	1.47861	0	1	1
Kdm4a_j1	2.42688	3.49986	0	1	1
Ptprf_j1	5.38578	6.41812	0	1	1
Szt2_j7	0.088218	0.000344903	0	1	1
Tie1_j2	1.24835	1.02611	-0.282839	0.559604	0.82076
Wdr65_j1	0.515046	0.218782	-1.23521	0.124607	0.439858
Ybx1_j3	3.13997	3.76418	0.261582	0.203097	0.546932
Ccdc30_j1	0.587676	0.662597	0.17311	0.672737	0.876472
Rimkla_j2	8.13547	6.74384	0	1	1
Rimkla_j1	0.86238	1.43511	0	1	1
AA415398_j2	0.063487	0.0638155	0	1	1
AA415398_j5	0.0476549	0	0	1	1
Ctps_j1	1.89304	2.00102	0	1	1
Nfyc_j2	3.66598	3.52758	-0.0555211	0.753054	0.914675
Nfyc_j8	0.699479	0.254985	-1.45587	0.255207	0.6036

Nfyc_j10	0.131618	0.0773431	-0.767008	0.642508	1
Rlf_j4	0.111469	0.481769	0	1	1
Gm12873_j1	0.0693185	0 -1.79769e+308		0.120644	1
Ppie_j1	3.01535	4.36621	0.534057	0.0208651	0.145186
Macf1_j13	2.42303	2.09149	-0.212281	0.170735	0.507662
Macf1_j14	5.12795	5.30794	0.0497697	0.658182	0.869976
Macf1_j15	0	0.132275 1.79769e+308		0.0843398	1
Macf1_j17	0.0600836	0.0623945	0.0544477	0.966414	1
Ndufs5_j2	13.9054	15.4541	0.152345	0.446126	0.75332
Akirin1_j1	23.7225	26.5106	0	1	1
1110065P20Rik_j1	0.0569067	0.267349	2.23205	9.62E-05	0.0020842
Zc3h12a	0.116826	0.112544	-0.053875	0.939771	1
1700029G01Rik_j3	0.0463737	0.0604575	0.382615	0.775623	1
Thrap3_j9	16.2032	16.4312	0.0201564	0.868612	0.958331
Thrap3_j2	0.196718	0.0840767	-1.22635	0.225043	0.572307
Thrap3_j3	0.244323	0 -1.79769e+308		0.0002302	0.0043058
Mtap7d1_j5	30.2299	63.0825	0	1	1
Mtap7d1_j6	1.30913	2.75365	0	1	1
Mtap7d1_j7	39.7942	56.4775	0	1	1
Adprhl2_j3	1.25435	2.1211	0	1	1
Adprhl2	5.14334	6.21776	0	1	1
Eif2c1_j2	1.03387	1.16253	0	1	1
Eif2c1_j1	0	0.0915093	0	1	1
Eif2c4_j5	0.187576	0.164901	-0.185878	0.849767	0.952228
Eif2c4_j8	0.386401	0.538185	0.478003	0.294289	0.641033
CK137956_j1	1.34879	1.48562	0	1	1
Zfp362_j1	2.23306	2.63731	0	1	1
Adc_j1	2.84178	3.46751	0	1	1
AK019743	0.0934474	0.22785	1.28586	0.20197	0.545319
C77080	4.50392	9.23037	0	1	1
Zbtb8a	0.764819	0.812347	0.0869781	0.680928	0.880014
Hdac1_j6	0.021204	0.0566235	1.41707	0.608313	1
Hdac1_j13	0.275799	0.136953	-1.00994	0.482094	0.775415
Hdac1_j15	0.592702	0.467315	-0.34291	0.575199	0.828142
Tmem39b	0.496694	0.287296	-0.789818	0.20906	0.553253
Gm12963_j3	0.172544	0.0870579	0	1	1
Gm12963_j2	0.273094	0.303941	0	1	1
Gm12963_j1	0.0436104	0.140336	0	1	1
Gm12963	0.790983	0.684249	0	1	1
Hcrtr1	0.321006	0.417633	0.379637	0.431274	0.743572
Serinc2	4.40651	4.31493	0	1	1
Zcchc17_j2	5.01234	4.33736	0	1	1
XLOC_023758	0.12624	0.115678	-0.126051	0.870078	1
Epb4.1_j2	1.56445	1.86953	0.257026	0.249052	0.596568
Epb4.1_j16	6.78044	5.43893	-0.318057	0.0018546	0.0235473
Ythdf2_j1	2.23487	2.66704	0.255046	0.140291	0.465858
Gmeb1_j3	0.259054	0.345268	0	1	1

Gmeb1_j4	0.36614	0.285394	0	1	1
Trnau1ap_j3	0.237728	0.367966	0.630264	0.483304	0.775954
Rcc1_j3	0.427224	1.73032	0	1	1
Rcc1	0.664309	0.545402	0	1	1
Phactr4_j2	0.952224	1.15898	0	1	1
Phactr4_j1	0.0256158	0.200072	0	1	1
Atpif1_j1	0	0.340915	0	1	1
Ppp1r8_j1	3.96661	4.26752	0	1	1
Stx12_j2	30.9829	33.3364	0	1	1
Gpr3_j2	0.0794118	0 -1.79769e+308	0.0211617		1
Wdte1_j1	0.506433	0.353165	0	1	1
Trnp1_j2	0.142987	0.114876	-0.315811	0.832284	0.945814
Nudc_j3	12.2513	17.3042	0	1	1
Zdhhc18_j8	2.98439	2.29866	0	1	1
Zdhhc18_j6	37.9057	43.4658	0	1	1
Zdhhc18_j2	0.0297124	0.342738	0	1	1
Pigv	0.136113	0.174329	0	1	1
Pigv_j2	0.610612	0.720064	0	1	1
Hmgn2_j1	7.92275	8.47177	0.0966624	0.5528	0.816729
Ccdc21_j1	1.52449	1.38989	-0.133363	0.669922	0.875139
Pdik1l	0.283369	0.277001	-0.0327895	0.934876	0.980088
Fam54b_j1	4.81767	3.90251	0	1	1
Fam54b_j2	0.174981	0.233774	0	1	1
Sepn1_j5	3.54251	5.62103	0	1	1
Sepn1	5.09778	6.30399	0	1	1
Tmem57_j4	1.22024	4.99165	0	1	1
Tmem50a_j1	0.823743	0.750434	0	1	1
Srrm1_j2	4.91066	5.40192	0	1	1
Srrm1_j4	0.891884	0.940066	0	1	1
A330049M08Rik_j3	0.199933	0.233173	0	1	1
Rcan3	8.99104	10.0818	0	1	1
Nipal3_j2	24.2769	8.70286	0	1	1
Nipal3_j1	56.2944	55.5941	0	1	1
Nipal3	22.3372	8.48295	0	1	1
Rpl11_j5	1.53205	1.57116	0.0363653	0.877168	0.96086
Kdm1a	2.03153	2.31276	0	1	1
Ephb2_j1	0.0488323	0.117991	1.27277	0.102437	1
C1qb_j1	5.55109	16.0747	0	1	1
Epha8_j5	0.259696	0.283818	0.128138	0.836831	0.947789
Zbtb40_j6	1.01313	0.942037	-0.10497	0.672379	0.87624
Cdc42_j4	1.08345	1.9525	0	1	1
Cdc42	15.1966	21.3008	0	1	1
Pink1	0.83339	0.556388	0	1	1
Cda_j1	8.28547	8.735	0.0762246	0.717168	0.897916
Pla2g5_j1	0.124376	0.110581	-0.169608	0.849907	1
Otud3_j1	0.203092	0.381062	0.907892	0.0212816	0.146992
2310028O11Rik_j2	3.20813	4.71453	0	1	1

Pqlc2	1.21514	0.834795	0	1	1
Pqlc2_j4	0.390479	0.496743	0	1	1
Arhgef10l_j1	10.4997	12.1556	0	1	1
Arhgef10l_j2	5.25564	4.29023	0	1	1
AK040418_j1	0.0244521	0.0844455	1.78806	0.204822	1
Crocc_j1	0.477286	0.053962	-3.14484	0.0195988	0.139035
Crocc_j2	0.0541676	0.0918631	0.762055	0.482794	1
Crocc_j3	0.154279	0 -1.79769e+308		2.89E-07	1.38E-05
Crocc_j15	0.112838	0.0712888	-0.662509	0.601164	1
Crocc_j17	0.0454288	0.058298	0.35984	0.798375	1
D4Ertd22e_j2	1.08471	0.953404	0	1	1
Spen_j8	0.466185	0.327931	0	1	1
Spen	0.28162	0.224116	0	1	1
Fhad1_j1	0.0590622	0.0431423	-0.453131	0.683432	1
9030409G11Rik_j6	1.21404	1.2465	0	1	1
Prdm2_j3	0.301457	0	0	1	1
Prdm2_j8	5.89819	5.97256	0	1	1
Vps13d_j10	0	1.33893	0	1	1
Vps13d_j11	7.32348	7.65357	0	1	1
Vps13d_j2	5.05514	3.19758	0	1	1
Vps13d_j14	0.061683	0.0559144	-0.141653	1	1
Gm13240	0.725893	0.736072	0.0200902	0.962986	0.989715
Gm13136	3.35892	3.4737	0	1	1
Gm13157_j8	0.0290483	0.0720815	0	1	1
Zfp933_j1	0.736532	0.329811	0	1	1
Miip_j5	0.331339	0.969599	0	1	1
Clcn6	22.3508	23.4296	0.0680065	0.438619	0.748213
Agtrap_j1	1.29091	1.47441	0.191751	0.405081	0.726949
Tardbp_j4	7.23737	7.75038	0	1	1
Tardbp_j5	17.158	21.632	0	1	1
Apitd1_j2	1.20105	1.03574	-0.213635	0.653745	0.867564
Apitd1_j1	0.354044	0.156405	-1.17865	0.237377	0.584096
Kif1b_j6	2.16051	2.06249	0	1	1
Ube4b_j1	2.52402	3.64929	0	1	1
Ube4b_j2	18.5018	17.4892	0	1	1
Nmnat1	1.02525	1.29135	0	1	1
Tmem201	0.201138	9.59E-05	0	1	1
Spsb1	1.1157	0.434545	0	1	1
H6pd_j1	0.483494	0.432337	-0.161341	0.630652	0.856399
Slc45a1_j1	3.41109	4.54153	0.412946	0.0418263	0.230822
Park7	128.945	139.863	0.117256	0.186056	0.526451
Camta1_j6	6.48321	7.99575	0	1	1
Camta1_j7	5.57813	6.3312	0	1	1
Espn_j7	0.076011	0.0363219	0	1	1
Gm13077	6.26587	4.49145	-0.480334	0.0714649	0.321458
Dffb_j5	4.69E-05	0.0651209	10.4385	0.955483	1
Tprgl_j1	49.8596	54.4815	0	1	1

Prdm16_j6	0.12731	0	-1.79769e+308	5.49E-06	1
Prdm16_j5	0.76608	0.596552	-0.360848	0.162935	0.498187
Prdm16_j4	0.891258	0.758155	-0.233352	0.340011	0.680118
Tnfrsf14_j5	0.115263	0.0852331	-0.435445	0.577903	1
Plch2_j2	2.21001	1.63574	-0.434108	0.074019	0.327958
Rer1_j1	15.4478	20.1944	0	1	1
Ski_j4	0.526066	0.573284	0	1	1
Ski_j5	7.26377	8.24349	0	1	1
Prkcz_j2	0.474108	0.405595	-0.225174	0.591555	0.837134
Prkcz_j9	0.985846	0.272986	-1.85254	0.0623716	0.295598
Prkcz_j12	7.66993	6.88683	-0.155373	0.330296	0.672202
Mmp23_j2	0.175496	0.244792	0.480117	0.688331	0.884145
Atad3a_j10	0.0610687	0.0540139	0	1	1
Tmem88b	1.19565	4.52132	0	1	1
Agrn_j1	1.00098	1.1481	0	1	1
Agrn_j3	1.23423	0	0	1	1
Plekhn1_j11	1.66368	1.95427	0	1	1
Plekhn1_j12	0.278355	0.651427	0	1	1
AI838599_j2	0.308986	0.248559	-0.313954	0.566054	0.824301
Fam110b_j2	5.17411	3.60546	0	1	1
Fam110b_j4	3.54164	4.45991	0	1	1
Sdcbp	26.0774	31.1157	0	1	1
Rab2a_j2	116.206	110.067	0	1	1
Chd7_j1	0.205145	0.0683154	-1.58637	0.0010036	0.0143618
4930412C18Rik_j1	0.101557	0.0616702	-0.719649	0.417114	1
4930412C18Rik	0.0964826	0.0379713	-1.34536	0.219426	1
XLOC_022700	0.110403	0.115542	0.0656294	0.925073	1
Trp53inp1_j1	0.274474	0.100742	0	1	1
Ccne2_j1	0.40477	0.394937	-0.0354772	0.879759	0.961537
C430048L16Rik_j1	1.89525	1.89526	0	1	1
XLOC_022713	0.165836	0.0268442	-2.62708	0.23465	0.582023
XLOC_022713	0.075155	0.0370058	-1.02212	0.583966	1
AK080160_j7	0.358556	0.21045	-0.76872	0.331116	0.67285
Gm11872_j1	0.114765	0.0524217	-1.13045	0.302172	1
Ccnc_j3	0.456734	0.715426	0	1	1
Ccnc	5.23741	4.45752	0	1	1
Coq3_j1	1.48486	1.07132	0	1	1
Coq3_j2	0.571075	0.477879	0	1	1
6230409E13Rik_j4	8.95887	6.1646	0	1	1
XLOC_022734	0.139411	0.0616261	0	1	1
Gpr63_j1	0.377249	0.448022	0.248051	0.317061	0.660456
Epha7	0.163378	0.142486	-0.197389	0.67008	0.875195
Epha7_j3	0.149683	0.124357	-0.267419	0.5967	0.839661
Bach2_j1	0.896515	0.620955	-0.529839	0.0112141	0.093347
Mdn1_j1	0.170439	0.0774884	0	1	1
AK045932_j1	0.120355	0	-1.79769e+308	0.0125004	1
Dnaja1_j4	0.550394	0.651388	0	1	1

Ube2r2_j1	0.108673	0	-1.79769e+308	0.130475	1
Nudt2_j2	0.931444	1.93363	0	1	1
Dnaic1_j1	0.173644	0.131249	-0.403822	0.60478	0.844071
Dnaic1_j2	1.15852	1.73511	0.582746	0.0118324	0.0971661
Il11ra1_j2	1.88864	2.13533	0.177106	0.205641	0.550043
N28178_j2	4.89424	4.42688	0	1	1
N28178_j7	61.3949	42.2309	0	1	1
N28178_j6	29.7732	17.6034	0	1	1
Unc13b_j9	0.536495	0.411406	-0.383003	0.255799	0.604561
Unc13b_j16	5.13261	5.48156	0.0948945	0.55345	0.817245
Atp8b5_j1	0.208819	3.53E-05	-12.5322	0.978492	0.993756
Atp8b5_j10	0.161255	0.172583	0.0979469	0.876825	0.960844
Rusc2_j3	9.12254	9.49236	0	1	1
Rusc2_j4	7.29531	10.8127	0	1	1
Car9_j2	0.249322	0.139716	-0.835517	0.219986	0.566699
Npr2	15.0156	14.7353	0	1	1
Tmem8b_j1	9.07595	8.13183	-0.158468	0.0977315	0.386304
5430416O09Rik_j1	0.0803347	0.190823	1.24814	0.228013	0.575066
Clta_j1	53.1759	51.7221	0	1	1
Clta	82.1712	88.3358	0	1	1
Melk_j1	0.195133	0.0844456	-1.20836	0.260794	0.609626
XLOC_022806	0.139115	0.0346999	-2.00327	0.0825155	0.350028
Zcchc7	1.78578	2.03965	0.19177	0.348476	0.686685
Zcchc7_j2	4.27019	5.24044	0.295388	0.13012	0.449148
Rg9mtd3_j1	3.47133	4.00601	0.206678	0.36352	0.697532
Tmod1	67.7702	68.9005	0.0238644	0.780645	0.925867
Anp32b_j5	9.38997	11.3606	0.274845	0.152071	0.483508
Galnt12_j3	0.140341	0	-1.79769e+308	0.010923	0.0913602
Col15a1_j2	0.114498	0.103493	-0.145789	0.863418	1
Tgfbr1_j2	0.42427	0	-1.79769e+308	5.43E-14	9.32E-12
Gm12430	6.32016	6.79179	0.103831	0.483022	0.775876
Rnf20_j1	3.49993	3.7522	0	1	1
Slc44a1_j1	1.42038	1.78959	0	1	1
Slc44a1_j2	0.47228	0.482487	0	1	1
Slc44a1_j4	0.229834	0	0	1	1
Fktn_j1	0.547002	0.279084	0	1	1
Fktn_j4	1.27377	1.14783	0	1	1
Gm12530_j3	0.0914338	0.0393293	-1.21712	0.498831	1
XLOC_022861	0.0947934	0.097791	0.0449161	0.950506	1
Musk_j2	0.24656	0.204268	-0.271477	0.758939	0.917041
Zkscan16_j2	0.253445	0	-1.79769e+308	2.68E-15	5.52E-13
Zkscan16_j3	0.313171	0.435816	0.476768	0.0494982	0.256787
Dnajc25_j1	0.567157	0.89897	0.664524	0.0406155	0.226125
Gng10_j1	3.71547	3.20194	-0.214599	0.454946	0.758773
4933430I17Rik_j1	0.125179	0.179817	0.522538	0.437432	0.747672
Gm11210_j1	0.108103	0.0885121	-0.288458	0.790457	1
Zfp618_j1	0.0826911	0	-1.79769e+308	7.43E-06	1

Zfp618_j2	0.141547	0	-1.79769e+308	2.23E-09	1.76E-07
Zfp618_j7	0.406921	0.00100751	-8.65782	0.0734045	0.326393
Zfp618_j6	0.195803	0.297738	0.604638	0.0677727	0.311637
Col27a1_j6	0.302789	0.352601	0.219724	0.493448	0.781898
Col27a1_j17	3.39489	4.04702	0.253498	0.115391	0.422424
Atp6v1g1_j1	5.71127	4.54114	-0.330756	0.0266445	0.171763
6330416G13Rik_j1	0.414074	0.427162	0	1	1
Pappa	0.488413	0.346014	0	1	1
Tlr4_j2	0.0574886	0	-1.79769e+308	0.0003049	1
C630043F03Rik	0.21363	0.323615	0	1	1
AK131821_j1	0.207498	0.154598	-0.424574	0.442615	0.750693
Kdm4c_j4	0.588008	0.808539	0.45948	0.401294	0.724568
XLOC_022903	0.0497564	0.047515	-0.0664995	0.964519	1
Tyrp1	0.812107	1.03837	0	1	1
Gm11266_j1	0.177815	0.109915	0	1	1
4930473A06Rik_j2	0.221319	0.19547	-0.179182	0.635004	0.858387
4930473A06Rik_j6	0.0934073	0	-1.79769e+308	0.0001276	1
4930473A06Rik_j7	0.296478	0.40279	0.442103	0.29317	0.640163
XLOC_022910	0.184362	0.13298	-0.471328	0.499321	0.784504
Cntln_j7	0.524019	0.380428	-0.461996	0.236766	0.583799
Sh3gl2_j1	0.994791	2.21387	0	1	1
Acer2	0.000317965	0.7403	11.185	0.468691	0.767193
BC057079_j1	0.185514	0.151467	-0.292528	0.560995	0.82146
XLOC_022930	0.198201	0.0365087	-2.44066	0.0720544	0.322792
Hook1_j5	0.25915	0.141624	-0.871722	0.16858	0.505242
Inadl_j1	0.217633	0	-1.79769e+308	0.0065028	0.0622175
Efcab7_j4	0.185605	0.0314268	-2.56217	0.241809	0.58895
AK002929_j1	0.0891139	0	-1.79769e+308	0.02779	1
Lepr_j1	0.0397784	0.0957002	1.26654	0.128791	1
Pde4b_j2	0.571318	0	0	1	1
Sgip1_j1	0.739704	0.00437615	0	1	1
Dab1_j1	0.156249	0	-1.79769e+308	0.0134808	0.106641
Dab1_j3	0.128916	0.198454	0.622372	0.504731	0.787836
Dab1_j8	0.186912	0	-1.79769e+308	0.0132274	0.105302
1700024P16Rik_j1	0.178278	0.0949025	-0.909608	0.198743	0.541907
1700024P16Rik_j8	0.0903928	0.138059	0.611	0.557472	1
Usp24_j6	1.93629	2.61893	0.435681	0.059926	0.288181
Ssbp3	1.59184	1.32072	0	1	1
Ssbp3_j2	3.61003	3.35053	0	1	1
Ssbp3_j3	1.26616	0	0	1	1
mFLJ00377_j2	0.521682	0.126001	-2.04974	0.0035131	0.0390487
Cyb5rl	0.353205	0.138434	-1.35131	0.0612527	0.292139
mFLJ00377_j4	0.176385	0	-1.79769e+308	0.000623	0.00978
Tmem59_j2	8.70885	13.4506	0.627118	0.0039893	0.0427804
Glis1_j2	0.135994	0.0288731	-2.23574	0.105576	1
Glis1_j3	0.107771	0.0394102	-1.45133	0.385229	1
Lrp8_j4	0.0580974	0.238048	2.03471	0.0202232	0.141955

Lrp8_j6	0.0833683	0.102848	0.302938	0.744545	1
Lrp8_j7	0.188324	0.044919	-2.06782	0.0922028	0.373682
0610037L13Rik_j6	11.4195	9.8186	0	1	1
Zcchc11_j3	0.129592	0 -1.79769e+308		7.04E-06	1
Zcchc11_j1	0.166267	0.11148	-0.57671	0.307626	0.652717
Zcchc11_j2	0.145964	0.0706738	-1.04636	0.124429	0.43969
Orc1_j1	0.458466	0.220867	-1.05364	0.201725	0.545317
Rab3b	2.72992	2.48405	-0.13616	0.415258	0.733182
Nrd1_j1	1.18354	1.07894	0	1	1
Calr4_j1	0.124947	0 -1.79769e+308		0.019203	1
Calr4_j2	0.242473	0.0796147	-1.60672	0.101715	0.395032
Faf1_j3	0.7166	0 -1.79769e+308		1.42E-08	9.67E-07
Faf1_j5	7.0309	6.96302	-0.0139964	0.902121	0.968734
Agbl4_j1	0.393239	0.145298	-1.4364	0.0124753	0.101066
Spata6_j1	3.79577	3.51505	0	1	1
Spata6_j2	1.51274	0.977094	0	1	1
9130206I24Rik_j5	0.0779	0.0200654	-1.95691	0.440202	1
Gm12833	0.746575	0.980528	0.393272	0.545429	0.81235
Mobkl2c_j1	0.180588	0.144208	-0.324554	0.642901	0.862213
Mknk1_j3	0.366801	0.230385	-0.67095	0.304136	0.649897
Mknk1_j1	0.526064	0.129408	-2.02331	0.0198055	0.13987
Mknk1_j2	0.558387	0.776161	0.475091	0.28167	0.630218
Mknk1_j4	0.414099	0 -1.79769e+308		0.0004574	0.0075614
Mknk1_j5	0.575036	0.207213	-1.47254	0.119884	0.431035
XLOC_023009	0.202177	0.00829601	-4.60706	0.166143	0.502787
Lrrc41_j3	1.92749	2.58096	0	1	1
AK010894_j1	0.270744	0.233132	-0.215786	0.468541	0.767111
Pik3r3_j2	0.329459	0.0345815	0	1	1
Gpbp1l1_j3	4.27711	3.93297	-0.121017	0.597003	0.83999
Ccdc17_j2	0.058035	0.0306191	-0.922493	0.542211	1
Ccdc17_j9	0.0501452	0.0641715	0.355821	0.766161	1
Ccdc17_j13	0.0498114	0 -1.79769e+308		0.187685	1
Ccdc163_j5	0.0671518	0.155055	1.20728	0.251241	1
Ccdc163_j7	0.0844285	0.191728	1.18326	0.25707	0.605894
Ccdc163_j6	0.125535	0.0914571	-0.456919	0.667436	1
Ccdc163_j15	0.514185	0.301458	-0.77033	0.326941	0.66996
Ccdc163_j16	0.977364	1.04194	0.0923084	0.795216	0.931693
AK078255	0.168054	0.100122	-0.747164	0.28958	0.637033
Ptch2_j1	0.15031	0.0737249	-1.02772	0.304777	0.65013
Ptch2_j2	0.17259	0.0234241	-2.88128	0.123067	0.436713
Eri3_j3	6.31942	1.83735	0	1	1
Slc6a9_j2	0.0725074	0.0255038	-1.50742	0.248156	1
Med8	5.93719	7.66748	0	1	1
Elovl1_j1	3.75977	5.06366	0	1	1
Cldn19	0.657972	0.923666	0.489345	0.0790085	0.34104
Foxj3_j1	0.558227	0.203347	0	1	1
Col9a2_j1	0.150642	0.221382	0.555416	0.410834	0.730497

Trit1_j8	0.152826	0.0446202	-1.77612	0.229685	0.576806
Trit1_j9	0.886327	0.696443	-0.347834	0.444181	0.752041
XLOC_023052	0.131559	0.0898052	-0.550839	0.556006	1
Nt5c1a	0.245244	0.667935	1.44549	9.90E-13	1.41E-10
Pabpc4_j3	0.536558	0.337105	-0.670538	0.46204	0.763059
Pabpc4_j10	0.892575	0.486322	-0.876061	0.185463	0.525813
Pabpc4_j12	0.148	0.184456	0.317685	0.655034	0.868237
Rragd_j2	12.3317	11.7977	-0.0638642	0.614352	0.847685
Fhl3_j8	0.111435	0 -1.79769e+308		0.0159222	1
Fhl3_j11	0.340342	0.185533	-0.875312	0.188099	0.52933
Sf3a3_j4	5.2483	6.91227	0	1	1
Epha10	0.0715387	0.0335999	-1.09027	0.551325	1
AK134673_j9	0.712195	0.671102	-0.0857414	0.803444	0.934749
9930104L06Rik_j4	0.881272	0.72898	-0.273708	0.420461	0.736727
Gnl2_j2	12.9849	10.8654	0	1	1
2310005N01Rik_j1	0.699561	0.769871	0.138166	0.834798	0.946943
Csf3r_j6	0.0482365	0 -1.79769e+308		0.0470377	1
Stk40_j5	2.27278	0.000658228	0	1	1
Sfpq_j4	4.07955	3.81808	0	1	1
Sfpq_j3	5.36847	4.76847	0	1	1
AK019262	2.26883	1.23326	0	1	1
Zmym6_j6	0.10444	0.541149	2.37335	5.53E-07	2.47E-05
Zmym6_j10	0.193003	0.169644	-0.186113	0.792984	0.931024
XLOC_023094	0.580809	0.569666	-0.0279466	0.912337	0.972389
Csmd2_j3	0.21425	0.142985	0	1	1
Csmd2_j2	0.285013	0.257449	0	1	1
Ak2_j4	1.35179	1.84038	0.445133	0.116921	0.425121
Rnf19b_j2	14.0078	19.7135	0	1	1
Tmem54_j3	0.127474	0 -1.79769e+308		0.0016747	1
Yars_j1	36.4482	42.9574	0	1	1
AK077492	0.332287	0.409078	0.299943	0.701091	0.890145
Zbtb8os_j4	0.64219	0.463166	-0.47147	0.0960881	0.382758
Ptp4a2_j1	0.206018	0 -1.79769e+308		0.0159495	0.120124
Bai2	0.0642787	0.0576426	-0.157205	0.867063	1
Col16a1_j2	0.141663	0.087668	0	1	1
Col16a1_j8	7.64484	7.44803	0	1	1
Pef1_j4	0.0592408	0	0	1	1
Fabp3_j2	6.79304	6.97867	0	1	1
Pum1_j2	0.625168	0.622462	-0.00625775	0.986975	0.996237
Pum1_j1	0.717996	0.375943	-0.933464	0.0210475	0.145976
Pum1	1.67411	0.739337	-1.17909	3.74E-05	0.0009326
Sdc3_j4	0.0503875	0.0155454	0	1	1
Laptm5_j1	1.74145	3.8124	0	1	1
Laptm5_j3	1.09278	0.066898	0	1	1
Ahdc1_j6	0.0683381	0	0	1	1
Slc9a1_j2	1.27792	0.998891	0	1	1
Gpatch3_j3	0.4459	0 -1.79769e+308		2.33E-12	3.13E-10

Ubxn11_j3	0.19561	0.0569973	-1.77901	0.246569	0.594158
Ubxn11_j4	0.0951955	0.111608	0.22948	0.81352	1
Ubxn11_j8	0.115484	0 -1.79769e+308		0.018314	1
Ubxn11_j9	0.251231	0.263517	0.0688817	0.907736	0.970918
Pafah2_j3	2.57952	2.5594	0	1	1
Stmn1_j1	8.73358	13.0913	0.583967	7.39E-05	0.0016598
Stmn1_j3	0.370993	0.0721837	-2.36164	0.0533178	0.268707
Stmn1_j4	0.387411	0 -1.79769e+308		5.51E-05	0.0012963
Paqr7_j3	9.27997	11.3633	0.292185	0.0107589	0.0903139
2610002D18Rik_j1	0.087209	0 -1.79769e+308		0.0143092	1
Rhd_j1	0.0583325	0.0477768	-0.287991	0.812416	1
Srsf10_j2	0.279676	0.19971	-0.48585	0.209359	0.553704
Gale_j2	5.26151	4.95639	-0.086186	0.668601	0.874544
Gale_j3	0.189741	0 -1.79769e+308		0.0520471	0.264795
Asap3_j1	1.18901	1.19825	0.0111581	0.956881	0.987617
Wnt4_j1	0.263155	0.402806	0.614173	0.338721	0.678961
Hspg2_j9	0.314048	0.553902	0.818646	0.0013991	0.0186945
Usp48_j2	2.97397	2.21739	-0.423528	0.0078335	0.0714627
Ece1_j2	1.5192	1.925	0	1	1
Eif4g3_j17	9.56578	11.816	0.304786	0.0288969	0.181085
Hp1bp3_j2	1.21206	2.17354	0.842585	0.0130426	0.1044
XLOC_023195	2.50569	2.18874	-0.195106	0.530367	0.803051
Tmco4_j5	0.248622	0.198904	-0.321883	0.607882	0.845362
Ubr4_j6	0.0964276	0.126181	0.387974	0.29305	1
Iffo2_j2	0.315562	0.296543	0	1	1
Gm1667_j1	0.628671	0.421635	-0.576312	0.201929	0.545319
Atp13a2_j1	2.73361	2.22499	0	1	1
Mfap2	0.188309	0.421362	1.16196	0.11487	0.421764
XLOC_023214	0.107419	0.0602902	-0.833256	0.344205	1
Arhgef19_j5	1.62237	2.07289	0	1	1
Epha2	0.307057	0.288002	-0.0924256	0.799321	0.933125
Epha2_j3	0.16193	0.0843262	-0.941318	0.322209	0.665214
Casp9_j2	7.61712	8.20779	0	1	1
XLOC_023224	0.145412	0.0879029	-0.726167	0.481471	0.775077
XLOC_023226	0.126163	0.127737	0.0178845	0.982111	1
Dffa_j1	27.7158	29.9739	0	1	1
Ctnnbip1_j2	12.3415	11.7564	0	1	1
XLOC_023268	0.153905	0.094808	-0.698959	0.45077	0.756285
XLOC_023268	0.327483	0.121086	-1.43538	0.000258	0.0047423
Gm5506_j6	27.3466	32.5501	0	1	1
Rere_j12	4.93695	5.48499	0.151868	0.494437	0.782504
mKIAA0720_j1	0.142299	0.323183	0	1	1
Acot7_j5	12.7959	6.19209	-1.04718	3.30E-06	0.0001183
Gpr153_j4	6.83397	12.9388	0	1	1
Chd5	8.20284	6.84979	0	1	1
Chd5_j2	1.63595	1.13404	0	1	1
Gm833_j1	0.15935	0.0719059	-1.14802	0.361963	0.696333

Morn1_j2	0.153545	0.123626	-0.312674	0.728241	0.903676
Morn1_j3	0.0604853	0	-1.79769e+308	0.0037391	1
2010015L04Rik_j4	0.136599	0.121475	-0.169297	0.801934	1
Nadk	2.3547	4.99915	0	1	1
Slc35e2	0.915273	0.550264	0	1	1
Slc35e2	0.220404	0.0338586	0	1	1
Slc35e2_j2	1.99531	2.00085	0	1	1
Cdk11b_j6	0.570007	0.317651	0	1	1
Cdk11b_j5	1.50247	1.32749	0	1	1
2610204G22Rik_j2	0.214295	0.0653861	-1.71254	0.194181	0.536591
Mrpl20_j1	0.140779	0	-1.79769e+308	0.0500175	0.258408
Dvl1_j6	2.3609	2.46347	0.0613553	0.803334	0.934749
Dvl1_j7	2.48027	1.73809	-0.512997	0.0580706	0.282831
Ube2j2_j6	6.12062	7.52431	0.297883	0.0636432	0.299119
Sdf4_j3	1.88136	0.338263	0	1	1
Sdf4_j9	14.0845	15.7714	0	1	1
Tnfrsf18_j1	0.0563003	0.0537623	-0.0665483	0.911268	1
9430015G10Rik	0.150296	0.143557	-0.066181	0.924019	0.976334
Tmem68_j3	0.243717	0.202381	0	1	1
Rps20_j2	37.5306	43.1829	0.202395	0.0678332	0.311775
Plag1	0.258746	0.0130383	-4.31072	0.000574	0.0091439
Nsmaf	2.21391	1.85471	0	1	1
Tox_j3	0.080855	0.110842	0.455091	0.617797	1
Tox_j4	0.337944	0.0787992	-2.10053	0.0136942	0.107839
2310030N02Rik_j3	0.68912	0.744181	0.110899	0.837399	0.948012
AK080292_j2	0.0629005	0.00147941	-5.40998	0.590637	1
Ints8	0.613271	0.22758	-1.43015	0.0022978	0.0278532
Dpy19l4_j3	0.218756	0.331115	0	1	1
Tmem67_j5	0.185668	0.237127	0.352932	0.602999	0.843234
Fam92a_j1	0.22856	0.20711	0	1	1
Fam92a_j9	1.73935	0.849547	0	1	1
Otud6b_j3	0.23299	0.059718	0	1	1
Otud6b_j1	0.532709	0.246628	0	1	1
Rip2	1.34828	1.46551	0	1	1
Cpne3_j2	18.5113	15.9715	0	1	1
Wwp1_j2	0.278806	0	-1.79769e+308	2.05E-17	5.41E-15
Wwp1_j1	0.614059	1.03077	0.747267	5.49E-05	0.0012923
Klhl32_j6	0.40495	0.316793	-0.354203	0.602725	0.843123
Klhl32_j8	0.507263	0.141988	-1.83697	0.0829181	0.350922
Ufl1_j3	2.57428	2.70586	0.0719216	0.742903	0.909993
Manea_j3	0.557744	0.241576	0	1	1
Manea_j4	1.30591	2.49522	0	1	1
Ankrd6_j3	0.946054	1.58704	0	1	1
Pm20d2_j1	0.538247	0.352202	-0.611864	0.0701736	0.318092
Orc3_j3	0	0.727902	1.79769e+308	4.18E-13	6.32E-11
Orc3_j5	0.318293	0.435737	0.453101	0.141426	0.467795
Orc3_j4	5.78561	5.10226	-0.181331	0.0975183	0.385892

1700003M02Rik_j2	0.632072	0.586403	-0.108196	0.782428	0.926474
Mobkl2b	0.224836	0.0550038	-2.03127	0.213282	0.558495
Lingo2_j1	0.478565	0.253333	0	1	1
Ndufb6_j1	10.745	20.5051	0.932313	7.46E-05	0.0016733
Nol6_j3	1.66351	1.63813	0	1	1
Ubap2_j8	1.02988	0.968882	0	1	1
Ubap2_j7	0.134194	0	0	1	1
Ubap2_j5	8.2574	9.10044	0	1	1
2310028H24Rik	0.306437	0.14961	0	1	1
Gm1987_j4	0.649855	0 -1.79769e+308		5.30E-06	0.0001779
Vcp_j3	0.503798	0 -1.79769e+308		2.29E-06	8.55E-05
Fancg_j3	0.746341	0.565604	-0.400043	0.278408	0.627354
Pigo_j1	0.236178	0.540004	1.1931	0.0012544	0.0171367
B230312A22Rik_j1	4.24819	5.95738	0	1	1
Cd72	0.695659	0.979873	0.494214	0.140162	0.465682
E130306D19Rik	0.132055	0.0512804	-1.36466	0.134847	1
Tpm2_j1	0.14071	0.185156	0.396021	0.749251	0.912938
Tpm2_j6	0.998173	0 -1.79769e+308		1.25E-13	2.04E-11
Tln1_j2	4.47545	3.93256	0	1	1
Hint2_j1	17.5967	18.7432	0.0910626	0.589377	0.836031
4930412F15Rik_j1	0.409338	0.286658	-0.513962	0.178259	0.517805
Gne_j1	5.61516	5.10901	0	1	1
Rnf38_j7	1.65717	2.57182	0	1	1
Zbtb5_j1	0.796118	0.487442	0	1	1
Fbxo10_j1	0.0956863	0.259276	1.4381	0.0804055	0.344932
Mcart1_j3	17.7542	19.4543	0	1	1
Mcart1_j1	0.23955	1.33646	0	1	1
Igfbpl1	0.1697	0.253449	0.578708	0.325013	0.668195
5830415F09Rik_j1	0.0953506	0.0606609	-0.652477	0.577395	1
Coro2a_j1	0.484273	1.59321	0	1	1
Tbc1d2_j5	0	0.0653468 1.79769e+308		0.0187547	1
Tbc1d2_j6	0.135862	0.0381288	-1.83319	0.10477	1
Anks6_j4	0.241331	0.243101	0.010544	0.975472	0.992893
Anks6_j3	0.0630652	0.012938	-2.28523	0.088922	1
XLOC_023464	0.219612	0.142896	-0.619997	0.335792	0.676402
XLOC_023465	0.216938	0.32008	0.561152	0.170548	0.507473
Erp44_j1	3.24348	4.81726	0	1	1
Tex10_j1	4.37726	4.25204	0	1	1
Al427809_j4	0.187674	0.513783	1.45293	0.0176518	0.129113
Ikbkap_j3	0.225082	0.296182	0.396032	0.647459	0.864124
Ikbkap_j5	2.02487	2.29283	0.179299	0.449197	0.755415
Ctnnal1_j1	1.17779	0.231478	0	1	1
Ctnnal1_j3	0.157449	0.0651368	0	1	1
Ctnnal1_j2	0.207669	0.207938	0	1	1
D730040F13Rik_j1	0.265184	0.210845	0	1	1
Epb4.1l4b_j1	0.147499	0 -1.79769e+308		9.94E-07	4.11E-05
Txn1_j1	247.758	284.947	0.201763	0.0634086	0.298737

Txn1_j5	220.486	264.457	0.262345	0.0033438	0.0375262
Al314180_j4	0.0546328	0.0468941	0	1	1
Al314180_j6	0.665966	0	0	1	1
Susd1_j3	0.194469	0.000927229	-7.7124	0.435849	0.746551
Susd1_j4	0.0703919	0 -1.79769e+308		0.0076698	1
Rod1_j6	0.310876	0.589907	0.92415	0.0077073	0.0707682
Fkbp15_j5	0.0849459	0.0133415	0	1	1
Cdc26_j2	0.409217	0.400391	-0.0314578	0.939618	0.981578
Wdr31_j1	0.329866	0.228027	-0.532674	0.43656	0.747163
Tnc_j4	0.119715	0.11056	-0.114765	0.896375	1
Tnc_j5	0.115775	0.0435228	-1.41148	0.282389	1
Tnc_j1	0.19278	0.145166	-0.409253	0.355701	0.691547
Astn2	2.66332	1.88167	0	1	1
Astn2	0.780102	1.15129	0	1	1
Tle1_j4	5.18941	6.07885	0	1	1
Tle1_j9	1.5478	1.3791	0	1	1
Rasef_j3	0.704759	0.796501	0.176546	0.434892	0.745848
Ptprd_j5	0.0721353	0 -1.79769e+308		0.0001361	1
Ptprd_j4	0.0541852	0 -1.79769e+308		0.0008391	1
Mpdz_j1	0.217294	0.0306537	-2.82551	0.0497931	0.257695
Mpdz_j2	0.728195	0.437121	-0.736293	0.0069723	0.0656655
Nfib_j4	0.267895	0.21262	0	1	1
Frem1_j5	0.140308	0.00145258	-6.59384	0.263468	0.612282
Frem1_j6	0.0882001	0.0173714	-2.34407	0.123843	1
Frem1_j8	0.101836	0 -1.79769e+308		0.0035552	1
Psip1_j2	8.06313	7.45559	0	1	1
XLOC_023541	0.259014	0.0450921	-2.52209	0.0028154	0.032751
Bnc2_j1	0.0726601	0	0	1	1
Slc24a2_j1	1.00866	1.4431	0	1	1
Slc24a2_j2	0.259138	0.0483546	0	1	1
Mllt3	0.341558	0	0	1	1
XLOC_023557	0.187604	0.106897	-0.811477	0.13553	0.458045
Elavl2_j4	7.53697	5.31283	0	1	1
Elavl2_j8	3.67883	2.39842	0	1	1
XLOC_023564	0.136153	0.0979326	-0.475367	0.624992	1
Mysm1_j3	0.826756	0.813235	0	1	1
AK079280_j1	0.0857076	0.0515446	-0.733601	0.605386	1
Tm2d1_j5	6.40739	6.78544	0.0827063	0.776636	0.924496
Kank4_j3	12.6696	10.0049	0	1	1
Dock7_j9	0.0894947	0.0304344	-1.5561	0.101411	1
Gm12688_j1	0.141527	0.064773	0	1	1
Wdr78	0.593671	0.546789	-0.118681	0.681212	0.880213
Slc35d1_j1	0.701267	0.5262	0	1	1
Pcsk9_j5	0.126034	0.0589426	-1.09644	0.257802	1
Ttc4_j6	4.1683	3.85363	0	1	1
Gm1027_j3	0.112585	0 -1.79769e+308		0.0054401	1
Gm1027_j4	0.116227	0.0278475	-2.06132	0.120876	1

Gm1027_j5	0.0260164	0.116207	2.15921	0.0454087	1
Gm1027_j13	0.115291	0	-1.79769e+308	0.0016507	1
XLOC_023606	0.150832	0.138828	-0.119636	0.861742	0.956305
Lrrc42_j2	0.190201	0	-1.79769e+308	0.003421	0.038217
Scp2_j2	0.0642599	0.0788842	0.295819	0.811881	1
Zyg11b_j2	0.116043	0	0	1	1
Zfyve9_j5	0.0511625	0.0250824	0	1	1
Elavl4	1.14397	0	0	1	1
Elavl4_j4	9.31617	5.8281	0	1	1
Cmpk1_j2	33.8552	41.3026	0	1	1
Cmpk1_j1	0.107675	0.212268	0	1	1
Mast2_j3	7.25878	7.03962	-0.0442313	0.70827	0.893756
Toe1_j1	0.923163	1.54922	0	1	1
Btbd19_j7	0.0784559	5.24E-05	-10.5494	0.966086	1
Rps8_j6	0.17073	0.430696	1.33496	0.0334222	0.199636
Rps8_j2	32.0179	37.4738	0.227003	0.067637	0.31119
Dmap1_j1	0.137349	0.254636	0	1	1
Dmap1_j2	0.0974732	0	0	1	1
Ipo13_j2	1.31963	2.05149	0	1	1
Ptprf_j4	16.7797	3.01434	0	1	1
Szt2_j1	0.84425	1.18493	0	1	1
Szt2_j9	0.688534	0.735737	0	1	1
Cdc20_j2	0.24467	0	-1.79769e+308	9.55E-06	0.0002982
Tie1_j1	0.210481	0.0507741	-2.05153	0.0328814	0.197493
Ybx1_j4	0	0.490833	1.79769e+308	0.0110636	0.092346
Ybx1_j6	0.590949	0.517276	-0.192101	0.563664	0.822792
Ybx1_j7	11.8818	16.1049	0.438739	0.022077	0.150882
Ppcs_j1	2.75613	2.90347	0	1	1
XLOC_023686	0.114243	0.125062	0.130537	0.870416	1
Ctps	9.86391	9.1829	0	1	1
Nfyc_j3	0.0918917	0.0595148	-0.626685	0.40365	1
Zfp69_j2	0.323092	0	-1.79769e+308	0.007082	0.0664784
Cap1_j1	5.14056	9.60359	0	1	1
Macf1_j4	0.102869	0.055277	-0.896056	0.181567	1
Macf1_j6	0.908509	0.799317	-0.184734	0.223254	0.570235
Akirin1_j5	5.12789	5.47106	0	1	1
Akirin1_j4	7.30061	9.38651	0	1	1
Maneal_j2	1.12246	0.501207	-1.16319	2.06E-09	1.64E-07
XLOC_023717	0.0580958	0.0239577	-1.27795	0.540831	1
1700029G01Rik_j12	0.0587716	0	-1.79769e+308	0.0376898	1
Thrap3_j1	0.927357	0.772782	-0.263063	0.362365	0.696694
Thrap3_j20	3.7727	3.16591	-0.25298	0.329426	0.671701
Mtap7d1_j8	0.127622	1.03761	0	1	1
Mtap7d1_j9	0.710182	1.65588	0	1	1
Adprh12_j2	1.14997	0.836839	0	1	1
Eif2c3_j3	0.078263	0	-1.79769e+308	2.44E-07	1
Eif2c4_j3	0.419345	0.120634	-1.7975	0.0003487	0.0060337

Eif2c4_j7	0.389225	0.128783	-1.59566	0.0849826	0.355735
Ncdn_j3	97.4904	107.766	0	1	1
Ncdn_j2	26.4726	19.6324	0	1	1
Zmym4_j3	3.88622	4.18898	0.10823	0.516435	0.795064
Zmym4_j5	0.119032	0.175701	0.56177	0.211495	0.556206
Zmym4_j6	0.109439	0.0127267	-3.10421	0.0108174	1
Adc_j4	2.17959	2.54841	0	1	1
Adc_j7	0.105546	0	0	1	1
Adc_j8	7.87638	18.2344	0	1	1
Adc_j11	5.02456	10.3302	0	1	1
AK019743_j1	0.160306	0 -1.79769e+308		0.0085764	0.0764582
Hpca_j2	3.44502	1.16947	-1.55865	9.71E-08	5.23E-06
Hpca_j1	0.740521	0.760395	0.0382092	0.924472	0.976373
C77080_j4	1.04228	0.0299353	0	1	1
C77080_j1	0.692885	0.487217	0	1	1
Hdac1_j5	0.160862	0.202081	0.329113	0.675724	0.877875
Hdac1_j14	0.0633712	0.00185153	-5.09704	0.334489	1
Hdac1_j16	0.0606955	0.0641061	0.0788721	0.917039	1
Eif3i_j4	4.63426	4.0103	0	1	1
Txlna_j1	0.309652	0.256566	0	1	1
Kpna6_j3	1.0154	0.000273826	0	1	1
Serinc2_j3	7.88187	11.0924	0	1	1
Ptpru_j1	0.0912829	0.0551195	-0.727782	0.54674	1
Ptpru_j2	0.132833	7.53E-05	-10.7837	0.925308	1
AK047558_j2	0.570203	0.451044	-0.338208	0.241365	0.588455
Epb4.1_j10	0.693512	0.615819	-0.171414	0.38754	0.715266
Gmeb1	1.48879	1.18731	0	1	1
Trnau1ap_j2	0.968551	0.930454	-0.057894	0.914421	0.973283
Rcc1_j1	0.872861	2.24453	0	1	1
Rcc1_j2	0.293686	0.150656	0	1	1
Phactr4	0.315471	0.289382	0	1	1
Atpif1_j2	20.6568	24.7662	0	1	1
Atpif1_j3	26.3125	15.5219	0	1	1
Atpif1_j4	8.13617	4.54394	0	1	1
Wdtc1_j4	0.262004	0.0347926	0	1	1
Nudc	21.6984	21.0565	0	1	1
Zdhhc18_j7	5.76213	0.236657	0	1	1
Pigv_j3	0.0830502	0.0761617	0	1	1
Arid1a_j1	1.2439	0.734278	0	1	1
Hmgn2_j3	0.701702	0.629881	-0.15578	0.68681	0.883468
Hmgn2_j4	0.64866	0.913771	0.49437	0.204652	0.548845
Gm7534_j1	0.119572	0.0244869	-2.2878	0.0849684	1
Gm7534	0.252601	0.448616	0.82862	0.0522103	0.265265
Grrp1_j3	0.154874	0.145609	-0.0889944	0.92837	0.977919
Sepn1_j4	1.43236	1.70997	0	1	1
Man1c1_j4	0.678317	2.02921	0	1	1
Tmem50a_j2	30.4359	36.0034	0	1	1

A330049M08Rik_j2	0.22683	0.168877	0	1	1
Nipal3_j1	33.6099	44.4767	0	1	1
Rpl11_j1	0.725043	0.461593	-0.651446	0.0470331	0.248626
Rpl11_j2	0.151313	0.151377	0.00061759	0.999408	0.999695
Ephb2	0.916154	1.32727	0.534797	0.0054698	0.0543288
Epha8_j11	0.224647	0.0479718	-2.2274	0.113024	0.418515
Zbtb40_j2	0.216462	0	-1.79769e+308	6.10E-06	0.0002015
Nbl1_j3	2.87684	2.33969	0	1	1
Arhgef10l_j4	6.36451	6.45949	0	1	1
Padi1_j1	0.0821618	0	-1.79769e+308	0.0301686	1
Crocc_j4	0.534836	0.777284	0.539345	0.122749	0.436124
Crocc_j5	0.0503485	0.052198	0.0520474	0.946206	1
Crocc_j6	0.241221	0.199275	-0.275594	0.459293	0.761406
Crocc_j7	0.330044	0	-1.79769e+308	2.13E-16	5.27E-14
Necap2_j3	1.24027	1.57943	0	1	1
D4Ertd22e	1.52841	3.66626	0	1	1
D4Ertd22e_j1	0.368013	0.000181968	0	1	1
Plekhn2_j6	0.171617	0.401788	0	1	1
Ddi2_j1	2.33668	2.49027	0	1	1
Dnajc16_j1	0.918628	1.01919	0	1	1
Fhad1_j4	0.131345	0.0730238	-0.846926	0.504059	1
Fhad1_j5	0.0556818	0	-1.79769e+308	0.0086242	1
Fhad1_j10	0.0248894	0.0890388	1.8389	0.182678	1
Tmem51_j4	0.12781	0	-1.79769e+308	0.0101469	1
9030409G11Rik_j2	2.52104	2.09496	0	1	1
9030409G11Rik_j3	0.747899	0.315352	0	1	1
XLOC_023867	0.0745734	0.0642265	-0.215491	0.865764	1
XLOC_023867	0.165877	0.0428762	-1.95187	0.208071	0.55225
AK018156_j1	1.14754	0	-1.79769e+308	8.80E-11	9.11E-09
AK018156_j4	1.09301	1.57789	0.529681	0.120533	0.432452
Vps13d_j1	0.853894	0.616601	0	1	1
Tnfrsf8_j3	0.122818	0.125733	0.0338445	0.964564	1
Gm13157_j1	0.15024	0.0125216	0	1	1
Gm13157_j7	0.353765	0.314949	0	1	1
Zfp933_j2	0.157846	0.298749	0	1	1
Miip_j6	1.25853	0.862745	0	1	1
Miip_j2	0.49461	0.552288	0	1	1
2610109H07Rik_j3	0.224817	0.918212	2.03007	2.00E-09	1.61E-07
Fbxo44_j3	6.00864	6.63576	0	1	1
Tardbp	0.467696	0.476076	0	1	1
Pex14_j2	1.00887	0.287218	-1.81253	0.0015157	0.0199027
Pgd_j1	19.5549	19.4536	0	1	1
Kif1b_j2	0.817243	0.487055	0	1	1
Kif1b_j3	28.303	24.409	0	1	1
Ube4b_j3	19.7934	21.818	0	1	1
Nmnat1_j2	0.620901	0	0	1	1
Nmnat1_j1	0.570224	0.728929	0	1	1

Tmem201_j3	0.132014	0.217989	0	1	1
Spsb1_j2	1.00562	0.661922	0	1	1
Per3_j5	0.107895	4.81E-05	-11.1315	0.847457	1
Per3_j4	0.0298955	0.134001	2.16425	0.0019057	1
XLOC_023929	0.181842	0.0773005	-1.23414	0.316749	0.660102
Zbtb48_j4	0.157397	0.216193	0.457914	0.640738	0.861264
Tas1r1_j1	0.120528	0.0462676	-1.3813	0.208297	1
Rnf207_j1	1.2656	1.13361	0	1	1
Kcnab2_j7	0.168183	0	0	1	1
Dffb_j2	0.241655	0.357769	0.566078	0.362695	0.697013
Tnfrsf14_j2	0.0572845	0.0524198	-0.128033	0.913257	1
Tnfrsf14_j4	0.0328202	0.0678076	1.04686	0.413739	1
Plch2_j1	0.25273	0.23935	-0.0784719	0.849351	0.952228
Ski_j3	0.462856	0	0	1	1
Prkcz_j10	0.14327	0.0141542	-3.33944	0.12538	0.441136
Prkcz_j11	0.1054	0.036094	-1.54604	0.247722	1
Gabrd_j1	0.0840089	0.0468119	-0.843669	0.606929	1
Gabrd_j3	0.117663	0.0206241	-2.51226	0.486807	1
Mib2_j1	0.190236	0.0100019	-4.24944	0.0039096	0.0422322
Atad3a_j3	1.94243	0.821165	0	1	1
Atad3a_j4	0.589387	0.644995	0	1	1
Agrn_j10	0.117061	0.0882915	0	1	1
Agrn_j11	0.0970223	0.14588	0	1	1
Plekhn1_j13	1.4686	0.501257	0	1	1
Tgs1_j2	0.0499328	0.210903	0	1	1
Chchd7_j1	2.6805	1.49725	0	1	1
Fam110b_j5	0.116001	0.100735	0	1	1
Sdcbp_j2	0	0.136148	0	1	1
Chd7_j2	0	0.0609304	1.79769e+308	0.065912	1
Chd7_j8	0.479763	0.663653	0.468109	0.233811	0.581176
4930412C18Rik_j2	0.000458153	0.077054	7.3939	0.528546	1
4930412C18Rik_j3	0.0526441	0.250093	2.24812	0.0025434	0.0302506
Fsbp	0.0424581	0.182326	2.10241	0.0517081	0.263703
C430048L16Rik	0.467144	0.677259	0	1	1
C430048L16Rik_j2	0.350234	0.518445	0	1	1
XLOC_022711	0.131963	0.082062	0	1	1
XLOC_022711	0.32896	0.507503	0	1	1
XLOC_022711	0.147359	0.232927	0	1	1
XLOC_022712	0.120241	0.136554	0	1	1
XLOC_022713	0.279052	0.331774	0.249665	0.613174	0.847467
XLOC_022713	0.121537	0.217185	0.837531	0.319346	0.662717
Sfrs18_j1	0.512915	0.274076	0	1	1
Sfrs18_j6	2.99738	2.7224	0	1	1
Sfrs18_j7	3.43143	3.61999	0	1	1
Fbxl4_j5	6.5544	6.48101	0	1	1
Mms22l_j2	0.0395826	0.0506802	0.356555	0.744303	1
Epha7_j4	0	0.0778641	1.79769e+308	0.048536	1

Map3k7_j3	1.54229	1.73155	0	1	1
Bach2_j8	1.00803	0.564563	-0.836333	0.009885	0.08499
Casp8ap2	0.0683309	0.822654	0	1	1
Mdn1_j3	0.150177	0.240428	0	1	1
Srsf13b	0.112221	0.282052	0	1	1
Cnr1_j1	0	0.393439	1.79769e+308	6.32E-07	2.78E-05
Dnaja1_j2	0.138044	0.0675445	0	1	1
Chmp5_j1	6.42924	12.0271	0	1	1
Gm2506_j1	1.67636	1.20475	-0.476599	0.348116	0.686627
N28178	4.4277	3.83875	0	1	1
N28178_j15	26.4825	38.3722	0	1	1
Dnajb5_j1	0.197134	0.442262	1.16572	0.117352	0.426112
Unc13b_j2	0.0992419	0.12612	0.345779	0.531102	1
Unc13b_j10	0.169106	0.270186	0.676021	0.144641	0.471991
Atp8b5_j7	0.17514	0.238131	0.443247	0.670044	0.875195
Rusc2_j8	6.47217	4.95065	0	1	1
Tesk1_j1	7.38293	7.58937	0.0397863	0.808659	0.937148
Creb3	18.1771	21.5357	0	1	1
Hrct1	0.187833	0.34906	0.894027	0.154657	0.487817
Reck_j8	0.529126	0.287957	-0.877758	0.101639	0.395002
XLOC_022807	0.0198581	0.0797181	2.00518	0.513058	1
Frmpd1_j4	21.6096	18.9256	0	1	1
Rg9mtd3_j2	2.04655	1.98721	-0.0424478	0.811964	0.938348
Tmod1_j1	0	0.172264	1.79769e+308	0.0415225	0.229665
Anp32b_j6	6.67182	8.82332	0.403243	0.0694814	0.316099
Galnt12_j1	0	0.0896762	1.79769e+308	0.0753974	1
Col15a1_j3	4.28264	6.84308	0.676145	1.02E-05	0.0003145
Tmeff1_j2	2.062	1.79602	0	1	1
Tmeff1	0.00110713	1.42966	0	1	1
Tmeff1_j4	2.32443	0.921934	0	1	1
E130309F12Rik_j2	0.227871	0.233762	0.036822	0.955474	0.987197
Rnf20	0.738914	0.662211	0	1	1
AK019691_j1	0.0487113	0.167813	1.78452	0.0885006	0.364451
Fsd1l_j3	9.77175	9.24422	0	1	1
Zfp462_j1	1.62248	1.28	0	1	1
Akap2_j3	0	0.195016	1.79769e+308	0.0032004	0.0363106
E130308A19Rik_j2	0.000117505	0.0668227	9.15147	0.83144	1
XLOC_022870	0.115282	0.0820773	-0.490116	0.548471	1
Zfp618_j5	0	0.12107	1.79769e+308	0.0001062	1
Col27a1_j4	0	0.0573718	1.79769e+308	0.0184078	1
Col27a1_j5	0	0.0823752	1.79769e+308	0.0036108	1
Col27a1_j2	0.355404	0.27896	-0.349402	0.333593	0.67451
Col27a1_j14	0.327154	0.395721	0.274514	0.536772	0.80709
Pappa_j1	0	0.110395	0	1	1
Tlr4_j1	0	0.0758444	1.79769e+308	0.0018026	1
D4Bwg0951e_j1	0	0.181269	1.79769e+308	0.102484	0.39663
Cntln_j1	0.00144418	0.235402	7.34873	0.0352425	0.206683

Cntln	1.63927	1.08853	-0.590671	0.0540135	0.270834
BC057079_j4	0	0.0642014	1.79769e+308	0.0297071	1
XLOC_022929	0.272878	0.426491	0	1	1
Fggy_j1	0.194839	0.216694	0.153373	0.838506	0.948612
Fggy_j4	0.170193	0.360485	1.08277	0.136443	0.459421
Hook1_j1	0	0.0601323	1.79769e+308	0.0143755	1
Hook1_j3	0.0991336	0.111036	0.163587	0.82044	1
Inadl_j2	0.0438731	0.104673	1.25448	0.470996	1
Inadl_j3	0.240799	0.215657	-0.159092	0.783626	0.9271
Inadl_j5	0.145132	0.159527	0.136428	0.9055	0.969961
Inadl_j9	4.81632	2.77038	0	1	1
Usp1_j2	0.150697	0.141809	-0.0877093	0.940456	0.981888
Usp1_j3	1.41965	1.2331	-0.203251	0.491081	0.780238
Efcab7_j3	0.202207	0.492206	1.28343	0.0701054	0.317872
Ak4_j1	0.068103	0.147359	1.11354	0.301875	1
Dnajc6	5.67667	4.50055	0	1	1
Pde4b_j3	0.462977	0.830738	0	1	1
Tctex1d1_j3	0.137877	0.266907	0.952956	0.175102	0.513344
Tctex1d1_j2	3.66E-05	0.10387	11.4688	0.96695	1
Mier1_j2	0.469351	0.671093	0.515847	0.0994054	0.390293
Mier1_j3	0.0637684	0.427934	2.74647	1.05E-05	0.0003212
Mier1_j5	2.75209	3.22041	0.226716	0.18452	0.524945
Dab1	0	0.0556418	1.79769e+308	0.0210319	1
Dab1_j4	0.0810998	0.0163139	-2.31359	0.0779347	1
Dab1_j10	2.19E-05	0.0651139	11.5358	0.957318	1
Dab1_j11	0.204051	0.256488	0.329962	0.511311	0.791501
1700024P16Rik_j3	0.335517	0.883197	1.39635	1.74E-05	0.0004959
Usp24_j5	0	0.343269	1.79769e+308	3.08E-08	1.93E-06
Hspb11	5.4305	7.47359	0.460718	0.0848996	0.355652
Yipf1_j1	14.0537	12.0268	-0.224695	0.180946	0.520814
Glis1_j1	0	0.0865189	1.79769e+308	0.0440834	1
Glis1_j7	0.103622	0.165103	0.672043	0.356146	0.692054
Slc1a7_j2	0	0.0691334	1.79769e+308	0.0459523	1
Zcchc11_j9	0.256452	0.346036	0.432233	0.189597	0.531397
Cc2d1b_j1	6.78147	6.92759	0.030756	0.754603	0.915367
Txndc12_j2	2.88574	3.27508	0.182589	0.361203	0.695804
Nrd1_j4	0.479554	1.62957	0	1	1
Calr4_j7	0.25053	0.269875	0.107309	0.868928	0.958391
Eps15_j2	26.6963	26.4747	0	1	1
Eps15_j4	24.0881	22.1582	0	1	1
Faf1_j4	18.471	20.4188	0.144634	0.187531	0.528451
Gm12824	0.118179	0.225258	0.930607	0.0823151	0.349548
9130206I24Rik_j2	0	0.0878989	1.79769e+308	0.078238	1
9130206I24Rik_j6	0.0748622	0.101747	0.442678	0.696092	1
Gm12848	0.427977	0.497589	0.21742	0.746567	0.911752
Atpaf1_j2	0.0507146	0.20737	2.03174	0.0510778	0.261892
Mobkl2c_j3	0.21428	0	-1.79769e+308	3.06E-05	0.0007862

XLOC_023009	0	0.162618	1.79769e+308	0.0126605	0.102108
Pik3r3_j3	6.11551	6.36743	0	1	1
Gbbp1l1_j1	0.242202	0.329664	0.444787	0.220384	0.567249
Ccdc17_j3	0.0321885	0.066432	1.04533	0.549799	1
Ccdc17_j4	0.0396567	0.064723	0.706714	0.642213	1
Ccdc163_j8	0.231473	0.128354	-0.850713	0.329891	0.671905
Ccdc163	0.472125	0.619229	0.391305	0.388982	0.716261
Ccdc163_j14	0	0.319006	1.79769e+308	0.025711	0.167586
Hectd3_j2	5.01827	5.41037	0.108536	0.566442	0.824486
Eif2b3_j1	0.320248	0.993396	1.63318	0.0029793	0.0342587
Eri3_j2	29.3554	27.0317	0	1	1
XLOC_023033	0.160066	0.123028	0	1	1
XLOC_023033	0.178868	0.162845	0	1	1
Hivep3_j3	0.371548	0.93572	0	1	1
Hivep3_j5	1.21914	1.15655	0	1	1
Col9a2_j5	0.758942	1.04068	0.455467	0.188713	0.530379
Heyl_j1	6.49E-05	0.189941	11.5153	0.874894	0.960222
Pabpc4_j2	2.8202	3.28909	0.221888	0.689785	0.885099
Pabpc4_j4	1.45555	2.29091	0.654356	0.0255791	0.166927
Pabpc4_j5	0.131921	0.0491212	-1.42526	0.194629	1
Fhl3_j1	0.124985	0.189719	0.60211	0.489119	0.77951
Fhl3_j6	0.243017	0.499355	1.03901	0.087031	0.360685
Yrdc_j3	17.7072	15.5067	-0.191449	0.074474	0.329105
AK134673_j3	0.164059	0.122359	-0.423099	0.487752	0.778451
AK134673_j4	0.291753	0.239543	-0.284464	0.538518	0.807929
Gnl2_j3	0	0.254843	0	1	1
Gnl2_j6	0.0429262	0.34154	0	1	1
Meaf6	8.15753	9.66274	0.2443	0.21988	0.566614
Csf3r_j8	0.000308207	0.0568531	7.5272	0.834933	1
Trappc3_j1	31.7127	33.0212	0.0583323	0.666305	0.873605
Sfpq_j5	8.7917	8.47884	0	1	1
Zmym6_j9	0.228602	0.504615	1.14234	0.0156781	0.118446
XLOC_023094	0.648998	0.805405	0.3115	0.117004	0.425262
Phc2	2.28636	2.15107	0	1	1
Trim62_j2	7.64148	7.39577	-0.0471513	0.715658	0.897263
Rnf19b_j3	4.29791	8.44272	0	1	1
Tmem54_j2	1.17278	1.04585	-0.165263	0.562852	0.822297
Fndc5_j4	0	0.378205	1.79769e+308	0.026707	0.171984
Sync	5.92987	5.32955	-0.153986	0.381508	0.711932
Zbtb8os_j3	0.236183	0.187745	-0.331137	0.398552	0.722606
Marcks1_j1	1.63213	3.76041	1.20414	1.74E-05	0.0004948
2510006D16Rik	13.1293	12.9074	0	1	1
Ptp4a2_j4	0	0.174512	1.79769e+308	0.0106205	0.0894136
Bai2_j3	0.683603	0.327427	-1.06199	0.0046612	0.0481423
Fabp3_j1	1.68773	1.66845	0	1	1
Pum1_j6	0.362165	0.538036	0.571057	0.112826	0.418103
Pum1_j12	0.313872	0.0494546	-2.666	0.0019841	0.0248178

Fgr_j3	4.55E-05	0.127052	11.4462	0.973734	1
Cd164l2_j1	0.316414	0.349321	0.142741	0.811979	0.938348
Map3k6_j3	0.105349	0.358285	1.76593	0.0001236	0.0025623
Slc9a1_j1	12.0707	11.1418	0	1	1
Ubxn11_j1	0.0322635	0.18609	2.52803	0.0583115	0.283551
Stmn1_j9	25.753	38.0583	0.563472	1.34E-07	6.96E-06
Paqr7_j2	1.25114	1.36654	0.127284	0.621555	0.851784
Syf2_j1	4.21821	5.90633	0.485632	0.0249014	0.163777
Srsf10_j3	0	0.0787074	1.79769e+308	0.0465111	1
Hnrnpr_j3	0.124875	0.0332499	-1.90907	0.0204782	1
XLOC_023173	0.0866365	0.114046	0.396567	0.615969	1
XLOC_023181	0.146335	0.279222	0.932141	0.114407	0.420859
XLOC_023183	0.196916	0.210473	0.096057	0.885619	0.963692
Hspg2_j10	4.32944	5.38016	0.313471	0.0232069	0.156065
Hspg2_j11	2.2231	3.17158	0.512627	0.0145249	0.112329
Usp48_j6	0.888633	1.00968	0.184232	0.449848	0.755765
Eif4g3_j6	2.29007	1.57432	-0.540665	0.0049084	0.0499755
Eif4g3_j5	0.895649	0.767557	-0.222661	0.398689	0.722617
Eif4g3_j16	0	0.0832174	1.79769e+308	0.0103788	1
Hp1bp3	1.06261	0.96777	-0.134871	0.719861	0.899373
Kif17_j4	0.388013	0.518891	0	1	1
Kif17_j7	0.0146957	0.122798	0	1	1
XLOC_023199	0.00673691	0.0946329	3.81218	0.336628	1
XLOC_023199	0.258066	0.346752	0.426162	0.237048	0.583799
Ubr4_j11	7.15198	7.90912	0.145174	0.157229	0.491067
Padi2_j1	0.201737	0.0462255	-2.12571	0.0156998	0.118591
Padi2_j3	0	0.0846984	1.79769e+308	0.0184829	1
Atp13a2_j2	0.749298	0.593192	0	1	1
Fbxo42_j2	0	0.217243	0	1	1
Fbxo42_j5	0.433013	0.524526	0	1	1
6330545A04Rik_j1	0	0.152616	1.79769e+308	0.0422173	1
Zbtb17_j3	0.116426	0.12223	0.0701788	0.846347	1
AK145533_j1	0.298387	0.350333	0.231543	0.769321	0.921491
Gm13152_j3	0.366544	0.348335	-0.0735136	0.901155	0.968642
Gm13152_j5	0	0.143075	1.79769e+308	0.0962953	1
Mthfr_j3	1.37771	1.35953	0	1	1
Mthfr_j2	0.192784	0.350457	0	1	1
Mad2l2_j2	2.98254	4.92008	0	1	1
Mad2l2_j1	1.34109	2.19112	0	1	1
Fbxo2_j3	2.02625	2.20147	0	1	1
Ctnnbip1_j3	2.2773	2.49209	0	1	1
XLOC_023268	0.231208	0.156053	-0.567157	0.461684	0.76296
Slc2a5_j5	0.287904	0.0657454	-2.13063	0.0448887	0.242154
Gm5506_j2	0.322949	0.368403	0	1	1
Rere_j11	0	0.0530712	1.79769e+308	0.0136427	1
mKIAA0720_j4	0.0227763	0.0935875	0	1	1
mKIAA0720_j7	0.112194	0	0	1	1

mKIAA0720_j9	0.000121466	0.0705955	0	1	1
Acot7_j3	80.0251	112.803	0.495283	2.56E-07	1.24E-05
Gpr153_j2	3.14281	6.79638	0	1	1
Wdr8_j1	0.0277032	0.0531501	0	1	1
Wdr8_j3	0.047132	0.100896	1.09809	0.403494	1
Megf6_j4	0	0.0982907	1.79769e+308	0.0006471	1
Megf6_j3	0.11844	0.138669	0.227491	0.622891	1
Mmel1_j1	0.0133599	0.055069	2.04333	0.191299	1
Pex10_j1	2.5905	2.58365	0	1	1
2610002J02Rik_j1	3.06286	7.13971	0	1	1
2610002J02Rik_j3	0	0.359308	0	1	1
C030017K20Rik_j1	0.102864	0.0827612	-0.313718	0.66877	1
Gnb1_j8	58.7496	58.6788	0	1	1
Cdk11b_j2	0.644808	0.954004	0	1	1
Gm5151_j3	0	0.220532	0	1	1
AK035229_j1	1.26221	1.52213	0.270137	0.181257	0.521122
Ccnl2_j2	2.64206	3.26919	0.307272	0.0876475	0.362377
Ccnl2	3.09172	3.45719	0.161186	0.492207	0.780855
Aurkaip1_j4	50.0368	51.3785	0	1	1
Mxra8	4.16459	3.20355	0	1	1
Mxra8	1.17299	2.13046	0	1	1
Mxra8_j7	4.61228	4.05662	0	1	1
asp3	1.85205	3.54729	0	1	1
Dvl1_j1	2.08468	2.53165	0.280254	0.2165	0.562566
Acap3_j6	0.862755	2.16729	1.32887	1.64E-05	0.000472
Acap3_j7	0.0558166	0.434606	2.96094	0.00145	0.0191955
Ube2j2_j2	1.84854	2.49241	0.431152	0.148452	0.477336
Fam132a_j3	0.64246	0.98298	0.613556	0.316219	0.660027
Sdf4_j5	5.98988	6.51798	0	1	1
Sdf4_j4	0.0329637	0.309848	0	1	1
Plag1_j4	0.0766738	0.201928	1.39703	0.0095054	0.0824333
Nsmaf_j5	13.3582	11.0011	0	1	1
Car8_j2	3.85724	4.20093	0	1	1
2310030N02Rik_j1	0.0996949	0.198836	0.99599	0.430011	0.743005
Ints8_j3	0	0.0821652	1.79769e+308	0.023425	1
Ints8_j5	0.421561	0.635761	0.592744	0.126355	0.442698
Ints8_j6	0	0.0528843	1.79769e+308	0.0795511	1
Dpy19l4_j2	0.149848	0.536356	0	1	1
Dpy19l4_j4	0	0.185074	0	1	1
Tmem67_j1	0.0438944	0.0911655	1.05445	0.38415	1
Fam92a_j7	4.28583	5.87303	0	1	1
Fam92a_j10	1.25405	2.11419	0	1	1
Otud6b	1.50841	1.40601	0	1	1
Necab1_j4	4.11389	3.95169	0	1	1
Rip2_j5	0.163737	0.248138	0	1	1
Cpne3_j1	0.183224	0.182764	0	1	1
Wwp1_j3	0.139308	0.11085	-0.32967	0.701091	0.890145

Wwp1_j4	0	0.0860214	1.79769e+308	0.0384387	1
Klhl32_j4	0	0.211473	1.79769e+308	5.65E-06	0.000188
Ufl1_j2	0.371703	0.380557	0.0339624	0.921908	0.975553
XLOC_023381	0.0367168	0.239269	2.70412	1	1
Pnrc1_j2	0	0.282977	1.79769e+308	0.024845	0.163552
Orc3_j6	0.148455	0.146238	-0.0217034	0.961035	0.988961
Lingo2_j5	0.603977	0.333801	0	1	1
Aptx_j1	0.0630017	0.0554879	0	1	1
Aptx	0.334333	0.445984	0	1	1
Aptx	0.206535	0.222378	0	1	1
B4galt1_j1	3.79563	4.32715	0	1	1
Nol6_j2	1.01815	0.776042	0	1	1
Udap2_j9	0.0428407	0.13038	0	1	1
Dcaf12_j3	0	0.137913	1.79769e+308	0.0090155	1
Smrp1_j5	0.107856	0.13548	0.328975	0.687322	1
2310028H24Rik_j4	32.5228	35.5331	0	1	1
Cntfr_j3	1.30617	1.60708	0	1	1
Cntfr_j4	0	0.619676	0	1	1
Gm13307_j1	0.992967	0.889003	-0.159557	0.766823	0.920508
Vcp_j7	3.40644	4.09879	0.266934	0.251458	0.599331
Vcp_j8	0.433506	0.463651	0.0969878	0.78134	0.926147
Vcp_j12	0.603482	0.79788	0.402862	0.472125	0.769302
Fancg_j1	0.67395	0.555714	-0.278297	0.464671	0.764888
Stoml2_j1	10.7323	10.2538	-0.0657983	0.687592	0.883891
B230312A22Rik_j7	3.96316	5.4728	0	1	1
B230312A22Rik_j8	0.791845	1.61211	0	1	1
Spag8_j1	0.100855	0.154654	0.616757	0.512082	1
Rnf38_j6	0	0.527914	0	1	1
5830415F09Rik	0	0.195545	1.79769e+308	0.0111776	0.0931224
5830415F09Rik_j2	0.698491	0.842297	0.270088	0.440833	0.749739
Trim14_j1	0.11831	0	-1.79769e+308	0.0574606	1
Trim14_j2	0	0.0717132	1.79769e+308	0.152193	1
Tbc1d2_j3	0.33896	0.280086	-0.275247	0.612179	0.847323
Gabbr2_j1	12.3288	16.5616	0	1	1
Anks6_j5	0.0939151	0.204915	1.1256	0.0156769	0.118446
Anks6_j11	0.417261	0.37864	-0.140126	0.662679	0.872159
XLOC_023464	0.0799834	0.0655855	-0.286324	0.814467	1
XLOC_023465	0.0251838	0.111524	2.14678	0.157726	1
Abca1_j2	4.97244	10.7013	0	1	1
AK141187_j1	0.037339	0.131376	1.81495	0.0929527	1
AK141187_j4	0.0234057	0.154301	2.72081	0.11497	1
lkbkap_j4	7.22629	9.08128	0.32964	0.0750607	0.330768
Ctnnal1_j4	1.39459	2.97698	0	1	1
Epb4.1l4b_j8	0	0.200003	1.79769e+308	5.82E-05	0.0013554
Ptpn3_j5	0	0.132387	0	1	1
AK133010_j1	0.0778653	0.328247	2.07573	0.0002262	0.0042503
Lpar1_j1	1.01513	3.80705	0	1	1

Al314180_j1	8.03798	5.56491	0	1	1
Susd1_j1	0.0110404	0.235695	4.41606	0.051361	0.262648
Rod1_j1	0	0.0609031	1.79769e+308	0.0118303	1
Rod1_j2	1.31969	1.51521	0.19932	0.293981	0.640842
Mup20	0.09194	0.148878	0.695367	0.522891	1
Zfp37_j2	1.1247	1.28912	0.196847	0.396728	0.721313
Fkbp15_j1	6.03131	6.23803	0	1	1
Cdc26_j4	5.10011	5.38351	0.0780172	0.63635	0.859038
Wdr31	0.096127	0.204433	1.08862	0.152997	0.48502
Akna_j1	0.0903829	0.225602	1.31966	0.0045755	0.0475091
Whrn_j5	0.366842	0.0390948	0	1	1
XLOC_023520	0.0360789	0.155836	2.1108	0.0292848	1
Dbc1_j2	4.38585	4.54075	0	1	1
Cdk5rap2_j4	0.302169	0.10551	-1.51797	0.0017246	0.0222032
Tle1_j7	4.69207	6.64388	0	1	1
Tle1_j13	0.265677	0.285136	0	1	1
Ptprd_j3	0	0.102691	1.79769e+308	0.0011428	1
Mpdz_j8	1.87477	2.31883	0.30668	0.121536	0.434092
Zdhhc21_j1	0.0258323	0.650437	0	1	1
Frem1_j1	0.0537404	0.0582608	0.116519	0.893306	1
Gm12414_j2	0.161076	0.123904	-0.37852	0.484083	0.776282
Gm12414_j1	0.00048563	0.0997195	7.68187	0.328997	1
Bnc2_j7	0.0367839	0.232906	0	1	1
Plin2_j4	1.69258	3.41899	0	1	1
Plin2_j5	16.0496	44.9345	0	1	1
Plin2_j6	3.13793	10.9506	0	1	1
Slc24a2_j7	0	0.247306	0	1	1
XLOC_023558	0.10634	0.0650708	-0.708595	0.616145	1
Elavl2_j7	14.9207	7.70805	0	1	1
Mysm1_j2	0.810919	1.00168	0	1	1
XLOC_023578	0.365163	0.539292	0.562526	0.645489	0.863342
Tm2d1_j2	0.00078458	0.445448	9.14912	0.785985	0.928311
Tm2d1_j6	0.796231	0.727275	-0.130687	0.865893	0.957262
Itgb3bp_j1	0.13785	0.10853	-0.344999	0.598182	0.840629
Jak1_j1	0	0.0563209	0	1	1
Jak1_j7	1.47606	3.4697	0	1	1
Wdr78_j3	0.673913	0.574159	-0.231112	0.52054	0.79793
Slc35d1_j2	0.457117	0.980658	0	1	1
Pcsk9_j2	0.0389432	0.0943333	1.27639	0.209107	1
Ttc4_j4	4.56803	4.05402	0	1	1
Lrrc42_j1	4.71377	5.23528	0.151385	0.447437	0.754174
Podn	0	0.207393	1.79769e+308	0.0006079	0.0095863
Zyg11b_j4	0.0834304	0.230475	0	1	1
Fam159a_j1	0.135295	0.779413	2.52628	0.0278579	0.176964
Fam159a_j2	0	0.265022	1.79769e+308	0.0088534	0.0782415
Prpf38a_j2	0	0.0503578	0	1	1
Btf3l4	0.715649	1.0599	0.566608	0.021193	0.146549

Elavl4_j6	1.04772	1.86493	0	1	1
Nsun4_j2	3.25163	3.09051	0	1	1
Mast2_j1	13.0115	13.7772	0.0824964	0.518561	0.796493
Btbd19_j2	0.243224	0.16014	-0.602948	0.481359	0.775
Plk3_j1	2.47798	3.5451	0.516664	0.0218324	0.149715
Rps8_j3	0.495555	0.899898	0.860716	0.0535539	0.269451
Rps8_j9	0.397225	0.19536	-1.02382	0.403706	0.726546
Kif2c_j2	0.125386	0.0926716	-0.43618	0.668937	1
Gm1661_j1	0.150781	0.231623	0.619325	0.319823	0.663233
Dmap1_j5	2.57958	2.11442	0	1	1
B4galt2_j1	1.15596	2.97721	1.36487	0.0004512	0.0074731
Dph2_j1	0.858465	1.39064	0.695919	0.0474425	0.250092
Ipo13_j6	0.202697	0.243156	0	1	1
Ipo13_j5	0.212136	0.452334	0	1	1
Ipo13_j11	0.598695	0.000316237	0	1	1
Szt2_j4	0.287165	0.273329	0	1	1
Szt2_j10	0.348302	0.293853	0	1	1
Wdr65	0.234275	0.270543	0.20765	0.571988	0.827134
AU022252_j3	0.055868	0.0792845	0.505015	0.375841	1
AK005616	0.558365	0.62884	0.171483	0.698454	0.88879
AA415398_j1	0.215856	0.0445705	0	1	1
Nfyc_j1	0.12237	0.0285847	-2.09794	0.176004	1
Nfyc_j5	0.388107	0.252876	-0.618026	0.0331323	0.198464
Rif_j5	0.153759	0.38318	0	1	1
Macf1_j7	15.399	18.8621	0.292655	0.0025465	0.0302729
Macf1_j9	1.15334	1.03286	-0.159177	0.312561	0.657095
Macf1_j8	0.683544	0.606949	-0.171459	0.383954	0.71322
Maneal_j1	3.26412	3.70127	0.181324	0.109369	0.41154
1700029G01Rik_j1	0	0.0768072	1.79769e+308	0.0586096	1
Thrap3_j14	0	0.634447	1.79769e+308	2.27E-05	0.0006131
Thrap3_j11	1.49097	1.37399	-0.117884	0.741259	0.909259
Tekt2_j3	0.0402865	0.165804	0	1	1
Eif2c3_j1	0	0.0884979	1.79769e+308	3.63E-05	1
Eif2c4_j1	0.871321	0.808235	-0.10843	0.670413	0.875338
Eif2c4_j2	0.132506	0.167617	0.33911	0.46836	0.767019
Ncdn_j6	15.6425	10.3647	0	1	1
Zmym4_j1	0.341616	0.434667	0.347536	0.302794	0.648644
Zmym4_j2	2.64381	2.71175	0.0366065	0.794985	0.931557
Zfp362_j3	2.9666	3.37166	0	1	1
Adc_j6	7.8435	14.5841	0	1	1
C77080	1.67912	2.81139	0	1	1
Zbtb8b_j1	0	0.0865235	1.79769e+308	0.024905	1
Hdac1_j10	0	0.158947	1.79769e+308	0.0001489	0.0029974
Fam167b_j1	0	0.209001	1.79769e+308	0.0947166	0.379466
Eif3i_j6	41.0031	42.1998	0	1	1
Txlna_j2	0.131062	0.0845069	0	1	1
Txlna_j4	0	0.0746201	0	1	1

Kpna6_j2	3.8506	4.54066	0	1	1
Hcrtr1_j4	0.0985289	0.133951	0.443085	0.636575	1
Ptpru_j6	0.0386038	0.106396	1.46263	0.0837348	1
Ptpru_j7	0	0.0748175	1.79769e+308	0.0104288	1
Epb4.1_j1	2.34384	1.99222	-0.234498	0.183724	0.524378
Trnau1ap_j4	2.97822	3.68647	0.307791	0.32973	0.671845
Atpif1_j6	113.002	134.749	0	1	1
Stx12_j4	0	0.0714442	0	1	1
Arid1a_j4	9.37836	10.4331	0	1	1
Sh3bgrl3_j1	509.224	596.797	0.228942	0.0077606	0.071037
Extl1_j5	0.19584	0.13946	-0.489827	0.500381	0.785042
Sepn1_j6	0.549847	0.481643	0	1	1
Sepn1_j1	0.652206	1.07564	0	1	1
Man1c1_j2	2.70264	3.45664	0	1	1
A330049M08Rik_j1	3.17931	3.97063	0	1	1
Nipal3_j2	16.2967	16.8993	0	1	1
Nipal3_j3	29.8661	27.0064	0	1	1
C1qa_j1	10.4279	25.6295	1.29736	0	0
Epha8_j7	0.0744877	0.112175	0.590672	0.527913	1
Epha8_j8	0	0.138753	1.79769e+308	0.0048042	1
Cdc42_j5	45.9197	48.2219	0	1	1
Cdc42_j7	88.2407	96.1199	0	1	1
Alpl_j1	2.60786	2.38143	-0.131035	0.582478	0.832778
2310028O11Rik_j1	0.236873	0.217331	0	1	1
Pqlc2_j6	0.0811474	0.173894	0	1	1
Pqlc2_j5	1.11401	1.2948	0	1	1
Igsf21_j2	0.254441	0.156043	0	1	1
Padi4_j2	0.0244019	0.0845667	1.7931	0.429958	1
Padi3_j1	0.0420606	0.165621	1.97734	0.099965	0.391607
Dnajc16_j2	0.000676287	0.559177	0	1	1
Tmem51_j1	0	0.123534	1.79769e+308	0.0265609	1
AK018156_j2	0	0.159175	1.79769e+308	0.0439642	0.238753
Vps13d_j12	0.0828785	0.142821	0	1	1
Vps13d_j13	2.74007	2.68767	0	1	1
Tnfrsf1b_j2	0.75997	1.72243	0	1	1
Tnfrsf8	0.120623	0.962268	2.99594	3.71E-14	6.59E-12
Gm13157_j2	0	0.295798	0	1	1
Gm13157_j3	0.241762	0.207247	0	1	1
Zfp933_j3	0.197052	0.388075	0	1	1
Fbxo44	8.08009	9.89608	0	1	1
Ubiad1	1.04245	1.36924	0.393392	0.0746659	0.329595
XLOC_023904	0.169706	0.21768	0.359169	0.672252	0.876215
Pex14_j1	0	0.599195	1.79769e+308	7.90E-05	0.001756
Pgd_j2	4.16474	5.29038	0	1	1
Kif1b_j4	46.8304	38.8313	0	1	1
H6pd_j2	1.07766	1.37479	0.351307	0.0835429	0.352338
H6pd	0	0.0504807	1.79769e+308	0.010967	1

Per3_j6	0.218611	0.230841	0.0785357	0.823676	0.943114
Per3_j7	0.0559858	0.11263	1.00846	0.135221	1
Camta1_j1	4.41274	5.81796	0	1	1
Camta1_j2	28.396	29.5847	0	1	1
Camta1_j3	1.60594	1.0812	0	1	1
Camta1	4.51636	2.87888	0	1	1
Zbtb48_j9	0.191715	0 -1.79769e+308		0.000175	0.0034399
Zbtb48_j8	0.0221558	0.0972867	2.13456	0.167745	1
Zbtb48_j11	0.163924	0.191716	0.225947	0.829264	0.944935
Zbtb48_j12	0	0.296453 1.79769e+308		0.0008879	0.0130166
Tas1r1_j3	0	0.0565422 1.79769e+308		0.0822016	1
Espn_j1	0.196265	0.203717	0	1	1
Hes3_j3	0.149221	0.0791988	-0.913896	0.27729	0.626342
Hes3_j1	0	0.0724367 1.79769e+308		0.0423649	1
Kcnab2_j1	113.753	115.326	0	1	1
Kcnab2_j4	7.04875	4.97494	0	1	1
Ajap1	0.188882	0.555887	1.55731	5.03E-05	0.001199
Prdm16	0.139623	0.319636	1.19489	0.0004939	0.0080574
Ski_j1	0.303572	0.354475	0	1	1
Prkcz_j7	0.120286	0.129064	0.101616	0.88333	1
Mib2_j2	0.0889853	0.22528	1.34008	0.0126881	0.102195
Atad3a_j8	2.24688	2.62725	0	1	1
Vwa1_j2	0.728307	3.49356	0	1	1
Vwa1_j3	0.168796	1.64012	0	1	1
Tas1r3_j2	0.00443947	0.103075	4.53716	0.163569	1
Agrn_j8	3.96766	4.42152	0	1	1
Agrn_j12	0.42444	1.04947	0	1	1
Agrn_j13	1.16232	2.50223	0	1	1
Agrn_j14	0.696613	0.53884	0	1	1
Plekhn1_j3	0.234788	0.201443	0	1	1
Plekhn1_j4	0.0671832	0.0629957	0	1	1
Tgs1_j1	0.897698	0.641595	0	1	1
Chchd7_j6	0.262467	0.341899	0	1	1
Chchd7_j3	0	0.40911	0	1	1
4930412C18Rik_j12	0.0681115	0.0661379	-0.042421	0.962968	1
Trp53inp1_j2	0.000172087	0.596842	0	1	1
XLOC_022711	0.276551	0.286987	0	1	1
XLOC_022711	0.197124	0.315732	0	1	1
XLOC_022711	0.0617831	0.160261	0	1	1
Gm11841	0.915212	1.14836	0	1	1
XLOC_022713	0.200982	0.11568	-0.796928	0.429998	0.743005
Calb1_j1	12.147	10.0007	-0.280502	0.113271	0.418908
AK080160_j1	0.115191	0.172754	0.584689	0.602498	0.842947
Ccnc_j5	10.5502	11.6418	0	1	1
Usp45_j4	3.81675	3.85163	0	1	1
6230409E13Rik_j1	8.34358	9.75161	0	1	1
6230409E13Rik_j2	2.50153	3.56964	0	1	1

6230409E13Rik	3.80031	4.5024	0	1	1
Fbxl4_j2	0	0.161592	0	1	1
Mms22l_j1	0.0359393	0.158025	2.13652	0.0870044	0.360625
Epha7_j1	1.24E-05	0.161078	13.6605	0.954764	0.986907
Map3k7_j4	3.33452	3.06606	0	1	1
XLOC_022743	0	0.0649867	1.79769e+308	0.14285	1
Mdn1_j4	1.56836	1.61705	0	1	1
Mdn1_j7	0.525442	0.372088	0	1	1
Mdn1_j8	2.76483	2.28758	0	1	1
Cnr1_j2	3.76568	4.54594	0.271668	0.0404573	0.225591
XLOC_022757	0.121119	0.173873	0.52161	0.534006	0.805363
Gm12371_j1	2.08211	1.22091	0	1	1
Aco1_j1	7.13507	7.75493	0.120186	0.330436	0.672338
Chmp5_j2	38.6463	33.4799	0	1	1
Ube2r2_j2	7.68549	9.03495	0.233379	0.394985	0.720135
Nudt2_j1	8.87994	8.41662	0	1	1
Ccl21b	1.82451	3.27573	0.844308	0.0002168	0.0040968
N28178_j12	0.260482	0.565409	0	1	1
Unc13b_j7	0	0.144688	1.79769e+308	0.0019379	1
Unc13b_j8	0	0.0528002	1.79769e+308	0.0557792	1
Unc13b_j11	0.462223	0.611958	0.404845	0.326587	0.669796
Rusc2_j6	3.487	3.77801	0	1	1
Rusc2	6.57729	6.52549	0	1	1
Car9_j1	0.0349436	0.0706511	1.01568	0.521571	1
Reck_j3	0	0.116324	1.79769e+308	0.0036506	1
Reck_j5	0	0.151577	1.79769e+308	0.0017202	1
Reck_j7	0.334009	0.407619	0.287335	0.517481	0.795769
XLOC_022806	0	0.0524574	1.79769e+308	0.0269025	1
Zcchc7_j1	0.123553	0.115744	-0.0941895	0.917127	1
1700055D18Rik	0.147823	0.179447	0	1	1
Polr1e_j2	1.8381	2.50104	0.444307	0.0815938	0.347964
Ncbp1_j1	1.46165	1.47171	0.00989501	0.945822	0.983787
Anp32b	1.69293	1.75146	0.0490378	0.854344	0.953902
Anp32b_j3	2.3544	2.96281	0.331605	0.259751	0.608472
Nans_j1	6.85512	7.28766	0.088274	0.698505	0.888822
Galnt12_j4	0.0846531	0.0595824	-0.506678	0.743292	1
Col15a1_j5	1.52107	1.53155	0.00990613	0.970617	0.99168
Tgfbr1_j1	0	0.145325	1.79769e+308	0.0007221	1
Tgfbr1_j3	2.96331	3.69353	0.317793	0.0279074	0.177093
5730528L13Rik_j1	0	0.126461	0	1	1
E130309F12Rik_j3	0.0426176	0.142838	1.74485	0.249482	1
XLOC_022843	0.380097	0.373489	-0.0253013	0.957474	0.987884
Rnf20_j5	2.36284	3.82998	0	1	1
Smc2_j5	0	0.122937	1.79769e+308	0.0105215	1
Smc2_j4	0.223654	0.335525	0.585151	0.225052	0.572307
Fktn_j2	0.000115528	0.230507	0	1	1
Zfp462_j3	0	0.0582999	0	1	1

Palm2_j2	3.61889	4.53053	0.324132	0.0079641	0.0722989
Akap2_j6	4.47018	4.14862	-0.107701	0.384829	0.713532
Bspry_j1	0.00132587	0.0883209	6.05774	0.478208	1
Rgs3_j4	9.04257	6.55591	0	1	1
Zfp618_j4	0.0389579	0.0675284	0.793579	0.685044	1
Col27a1_j16	0.0326993	0.0578534	0.823143	0.578943	1
6330416G13Rik_j6	0.196358	0.16908	0	1	1
Pappa_j2	0	0.240515	0	1	1
Tlr4_j3	0.034696	0.154773	2.15731	0.0007873	1
Kdm4c_j1	0.000898116	0.405219	8.81758	0.201392	0.54481
Snpc3_j1	2.20016	2.21524	0	1	1
4930473A06Rik_j1	0.0137619	0.0644273	2.227	0.091373	1
XLOC_022910	0.12396	0.109071	-0.184602	0.719437	1
Cntln_j2	0	0.0886546	1.79769e+308	0.0058444	1
Dennd4c_j2	0.107834	0.167211	0.632856	0.644888	0.863026
Acer2	0.114954	0.115229	0.00344199	0.996105	1
BC057079_j5	3.08869	3.27266	0.0834709	0.598431	0.840825
XLOC_022924	0.0835057	0.347121	2.05549	0.0195857	0.138988
BC042782_j1	0.10287	0.329967	0	1	1
Hook1_j2	0.357107	0.45683	0.3553	0.314452	0.658629
Inadl_j6	1.31458	1.20634	0	1	1
Inadl_j11	1.38008	1.13948	0	1	1
Atg4c_j1	1.68536	1.69393	0.00731811	0.97562	0.99292
Alg6_j1	0.189455	0.213657	0.173438	0.768638	0.921133
Dnajc6_j3	1.84949	2.59412	0	1	1
Dnajc6_j4	0.378173	0.357125	0	1	1
Leprot_j1	9.62475	10.7885	0	1	1
Sgip1_j3	0.195766	0.147222	0	1	1
Sgip1_j5	2.64441	2.27759	0	1	1
Mier1_j1	0.55674	0.391467	-0.508114	0.155584	0.488785
Oma1_j1	0.374984	0.508889	0.440523	0.427351	0.741741
Oma1_j2	0.471023	0.524429	0.154949	0.849024	0.95222
1700024P16Rik	0.0866139	0.105883	0.289804	0.728712	1
1700024P16Rik_j5	0	0.0596101	1.79769e+308	0.0610208	1
Ppap2b_j2	0	0.229436	0	1	1
Lrp8_j2	0.305484	0.246774	-0.307904	0.587747	0.835072
Lrp8	0.292542	0.0598902	-2.28825	0.0319461	0.193716
Lrp8_j5	0.118488	0.115642	-0.0350802	0.966826	1
Lrp8_j9	0.208875	0.834238	1.99782	8.31E-05	0.0018316
O610037L13Rik_j1	3.64638	4.72652	0	1	1
O610037L13Rik_j2	7.1918	8.66871	0	1	1
Slc1a7_j3	0	0.168648	1.79769e+308	0.0037663	0.0411018
2010305A19Rik_j1	0.0679344	0.0459824	-0.563061	0.539884	1
Txndc12_j1	0.940123	0.458058	-1.03732	0.0009413	0.0136276
Calr4_j3	0.139816	0.211723	0.598644	0.459817	0.761657
Faf1_j1	0.275581	2.59919	3.23751	1.95E-12	2.65E-10
4732418C07Rik_j1	0.606675	0.631246	0	1	1

Mobkl2c_j2	0.535954	0.604882	0.174545	0.617426	0.84948
Ipp_j2	0	0.372799 1.79769e+308		1.03E-06	4.24E-05
Ccdc17_j10	0.0403986	0.123592	1.61321	0.185737	1
Ccdc17_j12	0	0.0760943 1.79769e+308		0.201838	1
Ccdc163_j10	0.122023	0.128018	0.0691942	0.944772	1
Ccdc163_j11	0.12876	0.487845	1.92173	0.0099565	0.0853736
XLOC_023033	0	0.12469	0	1	1
Ebna1bp2_j3	2.04754	2.23454	0	1	1
Ebna1bp2_j4	0.657374	0.766104	0	1	1
Foxj3_j3	1.6796	1.58266	0	1	1
Hivep3_j8	1.96948	1.19804	0	1	1
scmh1	2.21115	2.98606	0	1	1
Col9a2_j3	0	0.169965 1.79769e+308		0.0149104	0.114438
Col9a2_j4	0	0.17521 1.79769e+308		0.0267909	0.172374
Ppt1_j2	0.506805	0.545601	0	1	1
Rragd_j1	4.22823	3.99379	-0.0822934	0.579783	0.831169
Rragd_j3	47.9106	50.9915	0.0899119	0.332422	0.673735
Fhl3_j5	0.137141	0.0961804	-0.511845	0.647489	0.86414
Fhl3_j7	0.142239	0.29032	1.02932	0.242665	0.590089
Fhl3_j9	8.35E-05	0.193078	11.1751	0.951253	0.985869
Sf3a3_j2	3.78913	2.99253	0	1	1
Inpp5b_j1	0.0713849	0.228795	1.68036	0.0104093	0.0881074
Yrdc_j1	1.97057	2.40305	0.286249	0.179975	0.519626
AK134673_j7	0.268617	0.307611	0.195554	0.681221	0.880213
Gnl2_j1	0	1.48044	0	1	1
Csf3r_j2	0	0.100767 1.79769e+308		0.078362	1
Csf3r_j3	0.0628814	0.106775	0.763868	0.427781	1
Csf3r_j7	0	0.0650998 1.79769e+308		0.111262	1
Stk40_j4	0.000157964	2.39796	0	1	1
AK031234	0	0.362223	0	1	1
XLOC_023094	1.00125	1.13873	0.185612	0.311092	0.655898
XLOC_023094	0.103655	0.310131	1.58109	0.107065	0.406551
XLOC_023094	1.11367	1.5494	0.47638	0.136341	0.459359
Csmd2_j4	0.157279	0.240336	0	1	1
Ak2_j1	0.260239	0.459239	0.819407	0.155285	0.488418
2510006D16Rik	11.4282	13.4452	0	1	1
Ptp4a2_j5	0	0.127109 1.79769e+308		0.010451	1
Col16a1_j1	5.31087	5.72444	0	1	1
Pef1_j2	30.1767	30.2143	0	1	1
Nkain1_j4	5.25202	10.2924	0.970636	2.01E-13	3.20E-11
Pum1_j3	0.122169	0.315041	1.36666	0.0072232	0.0675013
Pum1_j13	9.94085	9.15421	-0.118935	0.355016	0.691015
Laptm5_j2	1.32101	4.83926	0	1	1
Mecr_j1	0.35025	0.742451	1.08391	0.121429	0.433976
Fgr_j1	0.0669778	0.106376	0.667412	0.545542	1
Ahdc1_j5	2.36784	2.68841	0	1	1
Wasf2_j2	2.53612	3.88253	0	1	1

XLOC_023147	0.0583264	0.242687	2.05688	0.100242	0.391937
Ubxn11_j11	0.0975977	0.205194	1.07207	0.288681	0.636345
Pafah2	0.189603	0.0754986	0	1	1
Stmn1_j8	0	0.79709	1.79769e+308	3.01E-05	0.0007768
Stmn1_j11	50.3644	66.5646	0.402353	2.73E-05	0.0007145
D4Wsu53e_j2	72.142	76.2703	0.0802823	0.350262	0.687781
Gale_j4	21.1779	22.8767	0.111317	0.308037	0.653037
Tcea3_j2	0.0854387	0.185237	1.11641	0.327918	0.670433
Luzp1_j2	0.351119	0.538972	0	1	1
Usp48_j1	4.29113	4.31832	0.00911183	0.943617	0.983025
Usp48_j12	8.58798	9.46291	0.139966	0.199396	0.542329
Rap1gap_j4	8.03294	9.83857	0	1	1
Eif4g3_j10	0.0699385	0.0415964	-0.74963	0.326183	1
Eif4g3_j9	0.124902	0.090941	-0.457797	0.401605	1
Eif4g3_j13	0.0682684	0.186029	1.44624	0.0162035	0.12153
Hp1bp3_j4	0.0362117	0.120669	1.73653	0.231253	1
Sh2d5	1.1527	0.813594	0	1	1
Kif17_j7	0	0.0619439	1.79769e+308	0.0391113	1
Kif17_j4	0.162673	0.0947332	-0.780031	0.292146	0.638961
Mul1_j2	0.0544168	0.127891	1.2328	0.0517214	1
Camk2n1_j3	7.57788	7.71451	0.0257798	0.938403	0.981171
Tmco4_j6	0	0.113735	1.79769e+308	0.021436	1
Ubr4_j5	0.329408	0.370564	0.169849	0.469888	0.767871
Rcc2_j3	0	0.838892	0	1	1
Fbxo42_j3	0.000258532	0.229159	0	1	1
Arhgef19_j7	0	0.308556	0	1	1
Epha2_j2	0	0.125937	1.79769e+308	0.0026558	1
Zbtb17_j4	0	0.240765	1.79769e+308	0.0021043	0.0260117
Gm13051_j1	0.552298	0.73106	0.404543	0.523976	0.799625
Gm13152_j6	1.06781	1.41105	0.402124	0.372065	0.705023
2510039018Rik_j1	11.9447	13.6685	0.19449	0.129488	0.44845
Mthfr_j5	0.299213	0.111089	0	1	1
Mthfr_j4	0.468521	0.316243	0	1	1
Mtor_j3	0.933281	2.04473	1.13153	0.0036866	0.0405333
Clstn1_j1	4.69736	5.36618	0	1	1
XLOC_023268	1.24461	0.68451	-0.862556	1.20E-06	4.84E-05
Gm13067_j4	0.390104	0.232942	-0.743888	0.157158	0.490971
Rere_j4	0.0849172	0.12452	0.552254	0.388898	1
Rere_j9	0.157106	0.225723	0.522813	0.375108	0.707326
mKIAA0720_j11	1.15645	1.68348	0	1	1
Acot7_j4	0.29952	1.54122	2.36335	2.10E-05	0.0005771
Acot7_j7	303.316	341.924	0.172852	0.0454558	0.244106
Chd5_j4	0.427586	0.400129	0	1	1
BC046331_j3	4.38004	5.07286	0	1	1
Pank4_j2	4.59016	4.79737	0.0636994	0.722515	0.901138
Pank4_j3	7.83904	8.12466	0.0516296	0.730656	0.904795
Gnb1_j1	29.2366	26.5312	0	1	1

Gnb1_j2	44.4502	55.9052	0	1	1
Gnb1_j10	160.281	173.293	0	1	1
2610204G22Rik	0.0591356	0.186297	1.65551	0.207705	0.552017
XLOC_023314	0.169728	0.279062	0.717358	0.0759009	0.332821
AK035229	3.79977	4.09626	0.108394	0.569174	0.825749
Mxra8_j1	0	0.188323	0	1	1
Mxra8_j6	0.281301	0.497131	0	1	1
Acap3_j4	0.332929	0.669437	1.00773	0.003076	0.0351278
Fam132a_j2	4.56949	4.0129	-0.187388	0.448172	0.754733
9430015G10Rik_j3	1.04952	1.05274	0.00442925	0.986945	0.996237
Tmem68_j4	2.28808	2.7607	0	1	1
Rps20_j1	9.40259	13.0493	0.472843	0.0688342	0.314522
Rps20_j3	2.12427	2.24459	0.0794836	0.59217	0.837692
Ints8_j1	5.30163	5.8722	0.147466	0.278716	0.627544
Fam92a_j8	0.420166	0.782784	0	1	1
Otud6b_j7	1.6585	1.55627	0	1	1
Necab1_j2	1.34972	3.53325	0	1	1
Osgin2_j2	0.95805	1.09254	0	1	1
Osgin2_j3	0.580207	0.883367	0	1	1
Wwp1_j5	3.95707	3.56287	-0.151391	0.361188	0.695804
Nkain3_j2	0	0.0533581	1.79769e+308	0.114184	1
Klhl32_j1	0.0537185	0.1045	0.960011	0.126789	1
Manea_j1	0	0.490849	0	1	1
XLOC_023381	0.135389	0.100477	-0.430247	0.753202	1
XLOC_023381	0.316782	0.332008	0.0677278	0.939337	0.981536
XLOC_023381	0.151544	0.208924	0.463241	0.684045	0.881956
XLOC_023381	0.0902898	0.0916174	0.0210601	0.989129	1
Orc3_j2	0.618597	0.731046	0.240963	0.327807	0.670398
Slc35a1_j2	0	0.0860174	1.79769e+308	0.117171	1
Slc35a1_j3	0.412364	0.253411	-0.702438	0.348272	0.686638
1810030N24Rik_j2	5.87972	9.01837	0.61712	0.0145733	0.112578
Zfp292_j2	0.131737	0.331318	1.33056	9.98E-05	0.0021541
Ddx58_j2	0	0.179867	1.79769e+308	0.0021773	0.0266706
Aptx_j2	1.8179	1.77044	0	1	1
B4galt1_j2	0.85853	0.548323	0	1	1
Nol6_j1	5.94893	5.18636	0	1	1
Smrp1_j9	0.130647	0.208743	0.676053	0.600981	0.841992
Smrp1_j2	0.155716	0.239097	0.618681	0.431129	0.743472
2310028H24Rik_j2	2.88473	4.15975	0	1	1
Cntfr_j6	2.46752	4.67784	0	1	1
Gm13305_j1	0.983451	1.04888	0.0929271	0.766411	0.920335
Vcp_j5	2.72186	2.71512	-0.00357748	0.985714	0.995741
Pigo_j11	0.591138	1.17085	0.985996	0.0003556	0.0061303
Pigo_j4	0.615868	0.0629206	-3.29102	1.96E-05	0.0005463
Pigo_j12	0.490214	0.332364	-0.56065	0.180794	0.520645
Cd72	0.998803	1.83264	0.875652	0.0006283	0.0098511
E130306D19Rik_j1	0.0462521	0.170151	1.87923	0.010029	0.0856946

Tln1_j3	9.20345	12.5419	0	1	1
Rnf38_j4	2.0796	2.68018	0	1	1
Rnf38_j5	1.43788	2.13058	0	1	1
Mcart1_j2	0.04134	1.18991	0	1	1
Trim14_j6	0.494828	0.612036	0.30669	0.565865	0.824141
Trim14_j7	0.560392	1.01158	0.852096	0.147986	0.4767
Coro2a_j2	0	2.12053	0	1	1
Tbc1d2_j4	0	0.0697263	1.79769e+308	0.0259564	1
Anks6_j7	1.167	1.41593	0.278946	0.23056	0.577519
2810432L12Rik_j1	4.11956	4.87213	0	1	1
2810432L12Rik	9.91065	8.42176	0	1	1
AK141187_j5	0.0814484	0.260906	1.67957	0.034547	0.204029
Klf4_j1	0.127028	0.219074	0.786276	0.257681	0.60645
D730040F13Rik_j6	0.327401	0.372428	0	1	1
Epb4.1l4b_j1	1.92469	2.01065	0.0630398	0.746642	0.911752
Epb4.1l4b_j2	1.20708	1.77899	0.559538	0.0099985	0.0855854
Epb4.1l4b_j2	1.09953	0.611467	-0.846542	0.0012322	0.0168948
Epb4.1l4b_j3	0	0.195891	1.79769e+308	6.56E-05	0.0015038
Ptpn3_j7	5.23721	5.56813	0	1	1
Svep1_j1	0	0.293662	1.79769e+308	0.031423	0.191514
Svep1_j2	0	0.0729062	1.79769e+308	0.0225299	1
Susd1_j11	0.06585	0.228155	1.79276	0.0205978	0.143839
1110054O05Rik	0.775143	0.997059	0.363216	0.224408	0.571535
Fkbp15_j3	0.113158	0	0	1	1
Wdr31_j5	0	0.0895052	1.79769e+308	0.0283157	1
Akna_j2	0	0.104883	1.79769e+308	0.0015978	1
Akna_j3	0.000585067	0.0627295	6.7444	0.26665	1
Akna_j4	0.118327	0.106033	-0.158263	0.797217	1
Whrn_j2	0.154861	0.10816	0	1	1
Tnc_j3	0.742745	0.915084	0.301037	0.328334	0.670862
XLOC_023520	0.0233617	0.0849671	1.86276	0.32497	1
XLOC_023520	0.0445896	0.139512	1.64561	0.124801	1
Cdk5rap2_j2	0.817749	0.872289	0.0931481	0.695945	0.887907
Cdk5rap2_j3	0.189101	0.126848	-0.576053	0.220657	0.567463
Tle1_j5	0.130683	0.250223	0	1	1
Tle1	0.719507	0.849711	0	1	1
Tle1_j6	1.0984	1.24508	0	1	1
Tle1_j11	11.3159	11.5257	0	1	1
Gm11488	4.80137	4.49159	-0.0962184	0.634227	0.858133
Rasef_j1	0	0.0712841	1.79769e+308	0.0095025	1
Ptprd_j10	0.607281	0.295419	-1.0396	0.0006821	0.0105083
Mpdz_j11	1.92407	1.31987	-0.543763	0.0368161	0.212234
Mpdz	2.20581	1.91885	-0.201067	0.191281	0.533463
Nfib_j2	0.000217205	0.395247	0	1	1
Nfib_j3	0.276666	0.53625	0	1	1
Zdhhc21_j3	0	0.291928	0	1	1
Zdhhc21_j4	5.22484	5.72646	0	1	1

Frem1_j9	0.0188454	0.0751773	1.99609	0.383894	1
Ttc39b_j1	0.698126	0.387093	0	1	1
Gm11413_j1	0.0292723	0.205496	2.8115	0.27196	0.620776
Psip1_j1	1.40043	1.27696	0	1	1
XLOC_023541	0.408039	0.328512	-0.312761	0.484525	0.776403
Haus6_j3	0.805501	0.691083	-0.221028	0.383343	0.713002
Haus6	1.74028	1.72725	-0.0108361	0.946664	0.984253
Plin2_j1	0.382275	0.477923	0	1	1
Ptplad2	0.404949	0.39898	-0.0214246	0.966205	0.990343
Elavl2_j5	1.31939	1.30866	0	1	1
Gm12666_j1	0.949158	1.10067	0.213665	0.735674	0.906939
4930579C15Rik_j3	0	0.0823717	1.79769e+308	0.0889764	1
4930579C15Rik_j4	0.0261896	0.104342	1.99426	0.217404	1
Dock7_j2	2.35387	2.86271	0.282346	0.0532202	0.268469
Dock7_j12	1.07086	0.764536	-0.486115	0.0397011	0.222777
Insl5_j1	0	0.0535189	1.79769e+308	0.169135	1
Insl5	0.0891993	0.14165	0.667225	0.531713	1
Wdr78_j1	0.0867051	0.0990251	0.191679	0.793947	1
Pcsk9_j1	0.0474324	0.147993	1.64159	0.0621479	1
Ttc4_j5	0.0602552	0.118036	0	1	1
Gm1027_j8	0.240742	0.119763	-1.00731	0.241913	0.589174
Gm1027_j9	0	0.0548597	1.79769e+308	0.0635548	1
Gm1027_j10	0	0.0498832	1.79769e+308	0.0809815	1
Zfyve9_j6	3.55972	4.06777	0	1	1
1520402A15Rik_j1	0	0.0521004	1.79769e+308	0.0225955	1
Mast2_j4	0.677811	1.13831	0.747945	0.0376496	0.215332
Nasp_j1	0	0.465422	1.79769e+308	0.000849	0.0125479
Toe1_j3	0.00146785	0.0511099	0	1	1
Toe1_j4	0.0922467	0.129128	0	1	1
Toe1_j5	1.75999	1.72283	0	1	1
Btbd19_j6	0	0.199424	1.79769e+308	0.0048075	0.0492359
Rps8_j4	0	0.0995345	1.79769e+308	0.0901524	1
Rps8_j10	0.0845179	0.164161	0.957784	0.362332	0.696685
Dph2_j2	0.0589876	0.0894528	0.600715	0.477712	1
Ipo13_j1	2.80506	2.38963	0	1	1
Ipo13_j10	4.88516	3.36758	0	1	1
St3gal3_j2	1.77358	2.58424	0	1	1
Szt2_j2	0.26766	0.382191	0	1	1
Szt2_j3	0.0853966	0.164099	0	1	1
Wdr65_j3	0.096853	0.142169	0.553742	0.535196	1
Ybx1_j2	1.48168	1.7273	0.221286	0.411323	0.730655
Ppih_j2	0	0.229885	1.79769e+308	0.0468538	0.248302
AA415398	0.280165	0.416247	0	1	1
Kcnq4_j3	2.1988	2.81106	0	1	1
Nfyc_j6	0.0788392	0.056037	-0.492535	0.65563	1
Nfyc_j7	0.0596883	0.135716	1.18507	0.184669	1
Nfyc_j9	0.159596	0.257922	0.692505	0.587375	0.835002

Smap2_j4	12.9254	11.1909	0	1	1
Mfsd2a_j3	3.72751	4.94712	0	1	1
Bmp8a_j1	0.0796169	0.172838	1.11828	0.118305	0.42821
Macf1_j10	0.341836	0.566958	0.729939	0.00715	0.0669529
Thrap3_j6	0.509092	0.52067	0.0324417	0.898628	0.967622
Thrap3_j7	0	0.123337	1.79769e+308	0.0005974	1
Thrap3_j8	0.197107	0.170548	-0.208801	0.649858	0.865521
Mtap7d1_j4	26.2321	45.2021	0	1	1
Eif2c3_j4	0.304351	0.443107	0.541919	0.0707644	0.319729
XLOC_023729	1.83E-05	0.205387	13.4552	0.987908	0.996414
Zscan20_j1	0.0337729	0.0639952	0.922098	0.336254	1
Adc_j5	1.61081	2.42861	0	1	1
Adc_j10	1.18735	2.59166	0	1	1
Adc_j9	8.10065	13.608	0	1	1
C77080_j5	0.074798	0.121623	0	1	1
Hdac1_j2	0.439887	0.624571	0.505733	0.423707	0.739059
Hdac1_j7	0.2946	0.297213	0.0127382	0.979242	0.993972
Hdac1_j12	0.953265	1.2809	0.426211	0.376533	0.708503
Eif3i_j3	0.326252	0.774028	0	1	1
Txlna_j5	3.55535	4.30886	0	1	1
Txlna_j7	3.36538	2.43759	0	1	1
Kpna6_j5	0	0.44279	0	1	1
Serinc2_j2	2.43558	2.78448	0	1	1
Zcchc17_j1	14.1904	14.9455	0	1	1
Ptpru_j3	0.258062	0.266132	0.0444232	0.933107	0.979673
Ptpru_j4	0.00140492	0.106659	6.24637	0.3047	1
Epb4.1_j11	0	0.123755	1.79769e+308	4.42E-06	1
Epb4.1_j13	0.886318	0.807285	-0.134746	0.43932	0.748911
Trnau1ap_j1	0	0.0956533	1.79769e+308	0.102195	1
Atpif1_j5	46.1181	54.7977	0	1	1
Stx12_j1	2.97748	1.80214	0	1	1
Fam76a_j2	1.59836	1.84916	0	1	1
Gpr3_j3	2.15581	2.02349	-0.0913812	0.665143	0.873092
Wdtdc1_j2	6.27191	4.9624	0	1	1
Arid1a_j3	0.372689	0.563211	0	1	1
Rps6ka1_j2	0.645183	0.951967	0	1	1
Dhdds_j1	0.331323	0.231289	0	1	1
Dhdds_j2	0	0.529586	0	1	1
Gm7534_j2	0	0.138258	1.79769e+308	0.0045891	1
Extl1_j2	0	0.153679	1.79769e+308	0.0091735	1
Tmem50a_j3	38.5073	46.8249	0	1	1
A330049M08Rik	0.395006	1.21058	0	1	1
Grhl3_j3	0	0.322951	1.79769e+308	0.0002469	0.004572
Zbtb40_j5	0	0.0974203	1.79769e+308	0.0071404	1
Cdc42_j8	0.619213	0.371157	0	1	1
Pqlc2_j1	1.33108	1.58804	0	1	1
Arhgef10l_j5	1.36338	1.17433	0	1	1

Crocc_j11	0.398055	0.542815	0.447492	0.25908	0.607838
Crocc	0.2487	0.596884	1.26305	0.0120265	0.0983906
Crocc_j13	0	0.257832	1.79769e+308	7.85E-06	0.0002511
Crocc_j16	0.0222377	0.0975519	2.13316	0.188069	1
Crocc_j18	0.158053	0.154634	-0.0315466	0.965088	0.990054
Spen_j3	0.290847	0.502989	0	1	1
Spen_j2	0.549856	0.144318	0	1	1
Slc25a34	0.242722	0.188727	-0.363003	0.461371	0.762598
Efh2_j1	14.2654	18.154	0	1	1
AK018156_j7	0	0.108949	1.79769e+308	0.110608	1
Prdm2_j4	0.41947	1.0966	0	1	1
2610305D13Rik_j3	0	0.693169	0	1	1
Gm13157_j4	0.134947	0.334223	0	1	1
Miip_j1	0.27507	0.443761	0	1	1
Mfn2_j2	36.8602	40.9601	0	1	1
Mfn2	4.5688	2.91914	0	1	1
Plod1_j1	4.01347	5.30458	0.402387	0.0183438	0.132805
Clcn6_j5	0.41988	0.791262	0.914178	0.0100564	0.0858816
2610109H07Rik_j1	0	0.225404	1.79769e+308	3.99E-05	0.0009853
Tardbp_j3	2.96293	0	0	1	1
Tardbp_j2	0.0520605	0.0683043	0	1	1
Kif1b_j1	2.70991	1.97914	0	1	1
Ube4b_j4	4.38432	7.27362	0	1	1
Pik3cd_j2	0.541433	0.592779	0.130711	0.685255	0.88254
Slc25a33_j1	9.24276	10.195	0.14147	0.410392	0.730298
Gm13073_j2	0.13935	0.20976	0.590024	0.510157	0.790971
Spsb1_j4	1.52682	1.39688	0	1	1
Per3_j1	0.149716	0.218277	0.543926	0.281256	0.629634
Per3	0.00628354	0.250151	5.31507	0.0008081	0.0120685
Phf13_j1	0.39538	0.535202	0	1	1
Zbtb48_j2	0.335293	0.644779	0.943382	0.0279055	0.177093
Zbtb48	1.88856	1.4812	-0.350521	0.140889	0.466872
Kcnab2_j6	10.5698	7.00001	0	1	1
Kcnab2	0.0657458	0.143501	0	1	1
Dffb_j4	0.0365024	0.218153	2.57928	0.0286961	0.180302
Dffb_j6	0.249286	0.49727	0.996225	0.0533355	0.268749
Prdm16_j1	0.0565253	0.19804	1.80882	0.0042036	0.0444529
Prdm16_j2	0.204202	0.309107	0.59811	0.0930102	0.375159
Prkcz_j5	10.1434	11.2157	0	1	1
Prkcz_j4	7.76528	5.55469	0	1	1
Gabrd_j2	0.0655486	0.147249	1.16762	0.225248	1
Mib2_j3	0.661155	0.662753	0.00348203	0.988903	0.996607
Atad3a_j2	0.160682	0.995283	0	1	1
Atad3a_j11	0.856154	0.644351	0	1	1
Gltpd1_j1	0	0.12553	1.79769e+308	0.057167	1
Agrn_j19	0.849445	0.725643	0	1	1
Plekhn1_j6	0.0912491	0.067706	0	1	1

Plekhn1_j7	0.12407	0.232961	0	1	1
Plekhn1_j10	0.575972	0.398752	0	1	1
Al838599_j5	0.0384831	0.0741046	0.94534	0.557307	1
Al838599_j6	0.074273	0.0499977	-0.570977	0.71296	1
Chchd7_j2	0.780295	0.312538	0	1	1
Fam110b_j1	0.0112534	0.406853	0	1	1
Sdcbp_j3	188.311	191.979	0	1	1
Chd7_j4	0.030223	0.110411	1.86917	0.200554	1
Chd7_j7	0	0.171942	1.79769e+308	0.0001022	0.0021979
2610301B20Rik_j3	3.05684	4.83313	0	1	1
1110037F02Rik	0.846876	0.782257	-0.114507	0.668476	0.874474
XLOC_022711	0.102861	0.144486	0	1	1
Rbm12b_j2	2.13233	2.30115	0	1	1
Tmem55a_j2	0.0986785	0.0214091	-2.20451	0.541881	1
AK005641_j1	2.02687	1.94474	0	1	1
Ttpa_j1	0.100609	0.254791	1.34055	0.266416	0.615515
Ccnc	0.973007	0.980715	0	1	1
Ccnc_j4	0.900627	0.76387	0	1	1
Usp45_j1	0.402788	0.572066	0	1	1
6230409E13Rik_j3	1.27569	1.80279	0	1	1
Fbxl4_j3	0.0254674	0.0849298	0	1	1
Fbxl4_j4	3.63008	4.33092	0	1	1
Mms22l_j7	7.72E-05	0.0829171	10.0695	0.94649	1
Mms22l_j6	0	0.110176	1.79769e+308	0.0380042	1
Rngtt_j1	1.32811	1.08452	-0.292312	0.333595	0.67451
Cnr1_j4	0.891551	0	-1.79769e+308	8.45E-23	2.56E-20
XLOC_022761	0.148603	0.0833823	0	1	1
Aco1_j2	2.90107	3.98997	0.459797	0.024856	0.163566
Dnaja1_j1	15.8786	14.9121	0	1	1
Nfx1_j1	3.32231	3.98088	0	1	1
Nfx1_j2	2.7651	2.97504	0	1	1
N28178_j11	0.520739	0.504657	0	1	1
N28178_j14	0	0.212655	0	1	1
Ccdc107_j2	0.992045	1.15379	0.217899	0.675351	0.877609
Ccdc107_j1	0.567447	0.490339	-0.210707	0.794258	0.931391
Ccdc107_j3	0.0498069	0.192466	1.95019	0.321375	0.664445
Npr2_j5	3.44254	8.08544	0	1	1
XLOC_022806	0	0.15408	1.79769e+308	0.0538673	1
Polr1e_j1	1.28236	1.41647	0.143501	0.671398	0.875764
Wdr32_j1	0	0.807435	0	1	1
Tdrd7_j1	0.232969	0.691096	1.56875	0.0010452	0.014793
Anp32b_j4	2.25711	3.23612	0.519788	0.11896	0.429139
Nans_j3	0	0.0725301	1.79769e+308	0.209522	1
XLOC_022825	0.20521	0.192641	0	1	1
Galnt12_j5	0	0.0519593	1.79769e+308	0.12933	1
XLOC_022832	0.0568937	0.0726813	0.353317	0.737829	1
Tmeff1_j1	1.6953	1.74324	0	1	1

E130309F12Rik_j4	0.218166	0.366621	0.748863	0.373035	0.705886
Smc2_j3	0	0.17179 1.79769e+308		0.0019272	0.0242662
Zfp462_j5	0.0633906	0.129025	0	1	1
XLOC_022856	0.082324	0.0852076	0.04967	0.968741	1
Ugcg_j1	14.3985	15.3042	0	1	1
XLOC_022870	0.0239596	0.105553	2.13929	0.23891	1
Rgs3_j3	0.356949	0.316472	0	1	1
Col27a1_j1	0.350057	0.277135	-0.336999	0.349478	0.687145
6330416G13Rik_j5	0.0944017	0.182574	0	1	1
Pappa_j5	0.667563	0.921518	0	1	1
AK042990_j1	0.262501	0.606881	0	1	1
Frmd3_j2	4.72303	6.17011	0	1	1
Kdm4c_j2	1.05514	1.30815	0.310087	0.473659	0.7701
4930473A06Rik_j3	0.0296119	0.0643092	1.11885	0.291989	1
4930473A06Rik_j5	0.0226707	0.0579487	1.35395	0.179277	1
XLOC_022910	0.0736176	0.141588	0.94358	0.282267	1
Cntln_j4	0	0.43186 1.79769e+308		7.14E-08	4.04E-06
Sh3gl2_j4	5.52428	10.1448	0	1	1
Dennd4c_j1	0	0.0992228 1.79769e+308		0.115639	1
BC057079_j2	0.512311	0.215732	-1.24778	0.0018713	0.0236912
Tek_j1	0.484629	0.380798	-0.347852	0.307422	0.652426
BC042782_j2	0.341827	0.37976	0	1	1
AK076859_j1	0.184916	0.500713	0	1	1
Nfia	0.244703	0.121303	-1.01242	0.156658	0.490184
Inadl_j10	3.61944	4.0784	0	1	1
Atg4c_j2	0	0.0689796 1.79769e+308		0.114544	1
Atg4c_j3	0.939414	0.26377	-1.83248	0.0091403	0.0801654
Alg6_j3	0.317164	0.490909	0.630227	0.173162	0.510747
Efcab7_j1	0	0.067687 1.79769e+308		0.111013	1
AK002929_j3	0	0.0681406 1.79769e+308		0.0766509	1
AK002929_j4	0	0.0508006 1.79769e+308		0.158996	1
Lepr_j3	0.112428	0.2555	1.18432	0.0220983	0.150943
Sgip1_j8	0.529684	1.24264	0	1	1
Tctex1d1_j6	0.0430079	0.0612088	0.509136	0.736542	1
Dab1_j2	0	0.0612727 1.79769e+308		0.122015	1
Dab1_j9	0.256676	0.0935709	-1.45582	0.0224374	0.15274
1700024P16Rik_j6	0	0.24774 1.79769e+308		0.0051269	0.0516926
Usp24_j2	0.36796	0.468319	0.347941	0.187118	0.528052
Usp24_j4	0	0.108494 1.79769e+308		0.0004207	1
Ttc22_j3	1.65E-05	0.198295	13.5506	0.983262	0.995013
XLOC_022974	0.137478	0.193507	0.493188	0.407718	0.728185
Tmem48_j2	0.135793	0.0513908	0	1	1
Tmem48_j3	3.56041	3.36864	0	1	1
Glis1_j5	0.000153118	0.201828	10.3643	0.935844	0.98034
0610037L13Rik_j4	1.21045	1.31162	0	1	1
0610037L13Rik_j5	0.20416	0.455856	0	1	1
Zcchc11_j8	0.0298917	0.107398	1.84514	0.0427655	1

Cc2d1b_j3	10.9447	12.3823	0.178051	0.120603	0.432541
Nrd1_j3	6.41006	4.76404	0	1	1
Calr4_j4	0	0.0726508	1.79769e+308	0.118244	1
Faf1_j2	5.04358	2.72673	-0.887275	5.37E-05	0.001268
Bend5_j3	1.18562	1.78906	0.593562	0.0568864	0.279296
9130206I24Rik_j3	0.0130973	0.47541	5.18183	0.0634608	0.298841
Stil_j2	0	0.0474108	1.79769e+308	0.120615	1
XLOC_023009	0.0312599	0.149993	2.26251	0.31785	1
Tesk2_j1	0.829053	0.54395	0	1	1
Hectd3_j3	5.05699	5.22577	0.047364	0.805037	0.935568
Ptch2_j3	0	0.108034	1.79769e+308	0.0365104	1
Hyi_j1	4.80464	6.24955	0.379324	0.200726	0.544177
Ebna1bp2_j1	6.90464	7.86202	0	1	1
Hivep3_j4	1.16022	1.56245	0	1	1
Scmh1_j4	0	1.37556	0	1	1
Ppt1_j1	19.7643	15.4745	0	1	1
Trit1_j6	0.0320407	0.0832328	1.37725	0.364538	1
Fhl3	0.114372	0.210288	0.878635	0.344158	0.683976
Sf3a3_j1	1.83171	2.86202	0	1	1
Sf3a3_j3	0.0185915	0.056288	0	1	1
AK134673_j2	0.0176446	0.0783198	2.15015	0.0952656	1
AK134673_j6	0.0862254	0.0407215	-1.08232	0.355334	1
Csf3r_j1	0.0560378	0.152207	1.44156	0.127709	1
Csf3r_j5	0.153026	0.262788	0.780127	0.185439	0.525792
Stk40_j1	0.221789	0.227351	0	1	1
AU040320_j1	4.99206	4.43016	0	1	1
Zmym6_j11	0.430818	0.75327	0.806087	0.02515	0.164961
Dlgap3_j2	0	0.0601133	1.79769e+308	0.0634372	1
Phc2_j3	18.3115	20.8807	0	1	1
XLOC_023107	0.0596585	0.134682	1.17476	0.261843	1
2510006D16Rik_j1	0.338724	0.523426	0	1	1
Bai2_j11	0	0.071204	1.79769e+308	0.0195162	1
Pef1_j1	13.2622	13.5687	0	1	1
Nkain1_j1	0.370598	0.220204	-0.751019	0.462979	0.763417
Nkain1_j3	2.45706	4.33483	0.81904	0.0138819	0.108789
Pum1_j5	0	0.0609837	1.79769e+308	0.0526732	1
Sdc3_j3	24.7516	29.4189	0	1	1
XLOC_023127	0.0175365	0.156181	3.15479	0.12757	1
Srsf4_j2	0.539816	1.00089	0.890738	0.009347	0.081531
Taf12_j1	3.24926	3.76153	0.211208	0.520617	0.797932
Dnajc8_j1	27.8821	27.6166	0	1	1
Fgr_j2	0.0405055	0.0908723	1.16572	0.47439	1
Ahdc1_j1	0.408915	0.426592	0	1	1
Wasf2_j1	0.000164376	0.470048	0	1	1
Pafah2_j2	0.0243181	0.0945176	0	1	1
Pafah2_j1	0	0.15017	0	1	1
Stmn1_j2	166.354	239.73	0.527154	1.62E-07	8.18E-06

XLOC_023155	0.0367753	0.115361	0	1	1
Myom3	0.149469	0.206362	0.465332	0.457072	0.760257
nssr_1	1.39993	2.21568	0.662396	0.0630362	0.297471
Gale_j1	0.0406228	0.0830048	1.0309	0.314331	1
Zfp46_j2	0.263084	0.472794	0	1	1
Hspg2_j4	0.297816	0.236114	-0.33494	0.289445	0.63691
Hspg2_j12	11.3062	13.8582	0.29362	0.0131609	0.104928
Usp48_j9	0	0.116685	1.79769e+308	0.0092375	1
Rap1gap	0.386413	0.233192	0	1	1
Eif4g3_j19	8.95579	11.4866	0.35906	0.105183	0.402659
Kif17_j3	0.00170058	0.0857043	0	1	1
Sh2d5_j2	0	0.365481	0	1	1
Tmco4_j3	0.0274052	0.0948534	1.79125	0.114306	1
Tmco4_j2	0	0.0537757	1.79769e+308	0.053914	1
Ubr4_j12	4.87154	3.92302	-0.312412	0.0097385	0.0839896
Rcc2_j1	0	0.904325	1.79769e+308	0.0514589	0.26301
Fam131c_j1	0.174807	0.906921	2.37522	0.0013377	0.0180569
XLOC_023236	0.0120417	0.235564	4.29001	0.137952	0.461744
Mad2l2	0.523211	1.63974	0	1	1
Mad2l2_j5	1.24372	1.60801	0	1	1
Fbxo2_j1	2.5176	9.48585	0	1	1
Exosc10	0.83035	0.850671	0.034882	0.91205	0.972306
Casz1_j1	4.27713	4.36048	0	1	1
Gm13067_j3	0.0835353	0.157638	0.91616	0.416012	0.733677
Slc2a5_j1	0.121421	0.0745167	-0.704382	0.551366	1
Slc2a5_j4	0.0349667	0.170355	2.2845	0.318154	0.661603
Slc2a5_j6	0	0.114366	1.79769e+308	0.0675204	1
Gm5506_j4	2.23785	2.11441	0	1	1
Gm5506_j8	69.5809	88.1565	0	1	1
Rere_j5	0.177046	0.373992	1.07888	0.0253835	0.166073
Rere_j7	0.0216884	0.322909	3.89613	0.0006947	0.0106585
Tnfrsf25_j2	0.188313	0.261714	0	1	1
Tnfrsf25_j3	0.0268432	0.134012	0	1	1
XLOC_023283	0.189988	0.202385	0.0911953	0.869734	0.95857
Acot7_j1	114.67	129.762	0.178369	0.0561329	0.277181
Megf6_j7	0.0829714	0.107639	0.375516	0.557732	1
Megf6_j6	0	0.104538	1.79769e+308	0.0019501	1
Morn1_j7	0.323151	0.427725	0.404477	0.332307	0.67369
2010015L04Rik_j1	0.050524	0.0740056	0.550665	0.600413	1
Nadk_j2	3.67302	2.22127	0	1	1
Nadk_j3	3.36623	4.52559	0	1	1
Cdk11b_j4	0.223391	0.124576	0	1	1
Cdk11b_j9	6.44003	7.52905	0	1	1
Ssu72_j2	8.5158	6.07827	0	1	1
Ssu72_j3	3.21454	6.58839	0	1	1
2610204G22Rik_j1	0.0738251	0.319221	2.11237	0.132377	0.452706
Dvl1	0.393722	0.928143	1.23717	0.0058048	0.0570402

Acap3_j8	9.34687	10.6735	0.191472	0.17079	0.507682
Fam132a_j1	0	0.0863848	1.79769e+308	0.105383	1
9430015G10Rik_j7	0.0779297	0.0949318	0.28472	0.773347	1
XLOC_023327	2.19505	2.69077	0.293765	0.205917	0.550399
Tmem68_j1	0.954967	0.255464	0	1	1
Dpy19l4_j1	1.76102	1.40499	0	1	1
Tmem67_j4	0	0.212024	1.79769e+308	0.0008947	0.0131044
Otud6b_j5	0	0.159048	0	1	1
Necab1_j5	1.21409	3.93613	0	1	1
Osgin2_j4	0.22137	0.54789	0	1	1
Rip2_j3	0.605791	1.35348	0	1	1
Rip2_j4	0.528282	0.517005	0	1	1
Ufl1_j4	1.23447	2.21907	0.846062	0.030956	0.189737
XLOC_023379	0	0.148022	1.79769e+308	0.0639618	1
XLOC_023382	0.0573427	0.0391356	-0.551129	0.695068	1
Pm20d2_j2	0	0.0968627	1.79769e+308	0.0053233	1
Pnrc1_j1	23.6313	23.8024	0.0104121	0.931248	0.979039
Orc3_j8	3.987	3.72056	-0.0997831	0.572104	0.827134
Lingo2	0.65444	0.921302	0	1	1
Lingo2_j7	2.36562	1.49007	0	1	1
Aptx_j5	2.95023	3.03511	0	1	1
Ubap2_j1	11.0791	14.1622	0	1	1
Ubap2_j2	2.55499	1.62122	0	1	1
Dcaf12_j2	23.554	24.4646	0.0547224	0.557775	0.819817
Dcaf12_j4	2.17656	2.31767	0.0906262	0.495705	0.782921
Smrp1_j1	0.188051	0.163356	-0.203099	0.878956	0.961379
Smrp1_j3	0.0728009	0.0447929	-0.700687	0.684483	1
Cntfr_j7	1.23729	2.03347	0	1	1
AK048672_j1	1.39795	1.74787	0.322282	0.634116	0.858133
AK048672_j2	3.49819	2.85883	-0.291183	0.37624	0.70828
Gm1987_j1	1.23153	2.0374	0.72628	0.0228226	0.154312
Gm1987_j2	0	0.285309	1.79769e+308	0.0124197	0.100682
Vcp_j1	0.24792	0.0640412	-1.9528	0.0068186	0.0645171
Vcp_j2	0.608248	0.766601	0.333815	0.200697	0.544177
Pigo_j3	0.10462	0.432368	2.04711	0.0167886	0.124671
B230312A22Rik_j6	0.790881	3.29897	0	1	1
Cd72	0.241802	0	-1.79769e+308	3.06E-05	0.0007872
Rnf38_j8	0	0.676262	0	1	1
Tomm5_j1	1.20643	1.39527	0.209797	0.734109	0.90626
Anks6_j8	0.532416	0.371203	-0.520346	0.147656	0.476304
Anks6_j10	0.295345	0.453005	0.617129	0.139445	0.464425
XLOC_023464	0.0399014	0.0732507	0.876403	0.553876	1
Abca1_j1	10.9992	24.024	0	1	1
AK141187_j3	0	0.0626306	1.79769e+308	0.0942097	1
AK141187_j2	0	0.141359	1.79769e+308	0.0505511	1
AI427809_j1	0	0.2137	1.79769e+308	0.007993	0.0724953
AI427809_j2	0	0.181783	1.79769e+308	0.0133704	0.10606

Ikkkap_j2	2.21894	3.21581	0.535311	0.164234	0.500214
D730040F13Rik_j5	0.376756	0.407797	0	1	1
Epb4.1l4b_j4	0.243714	0.412782	0.76019	0.0317782	0.193034
Ptpn3_j1	1.84408	1.22828	0	1	1
Ptpn3_j2	0	0.459819	0	1	1
Txn1_j3	60.823	53.3176	-0.190007	0.354978	0.691013
Txn1_j4	117.037	136.074	0.217428	0.0454924	0.244195
Svep1_j3	0.192187	0.384718	1.00129	0.187105	0.528052
Lpar1_j2	4.86267	6.67626	0	1	1
Susd1_j7	0	0.0556865	1.79769e+308	0.070444	1
Susd1_j6	0.0207632	0.0821189	1.98369	0.166014	1
Rod1_j5	0.76999	0.809034	0.0713596	0.772441	0.922804
Fkbp15_j4	0.727041	0.819567	0	1	1
Rnf183	0.0682071	0.279048	2.03252	0.0273145	0.174604
Wdr31_j7	0.00684224	0.178219	4.70304	0.395457	0.720543
Akna	0.000282036	0.0728943	8.01378	0.522915	1
Whrn_j6	2.94973	1.45421	0	1	1
Whrn	4.32064	2.20553	0	1	1
Tnc_j6	0.216609	0.231501	0.0959262	0.830868	0.945436
XLOC_023520	0.0901793	0.321444	1.8337	0.304402	0.650023
Dbc1_j3	2.4742	2.87012	0	1	1
Ptprd_j8	0	0.0930815	1.79769e+308	0.0020491	1
Ptprd_j7	0	0.109429	1.79769e+308	0.0009279	1
Ptprd_j1	0	0.139394	1.79769e+308	0.0945495	1
Mpdz_j5	0.19512	0.153825	-0.343071	0.439727	0.749296
Mpdz_j6	0.476714	0.622875	0.38582	0.138552	0.462905
Cer1_j1	0.267676	0.249891	-0.0991892	0.885835	0.963769
Frem1_j7	0.0252365	0.218044	3.11104	0.0090159	0.0792162
Frem1_j10	0.0937878	0.101662	0.116307	0.909912	1
XLOC_023541	0.0768107	0.0523646	-0.552717	0.594861	1
Bnc2_j5	0.0705318	0.189653	0	1	1
Plin2_j7	0	0.44452	0	1	1
Slc24a2_j4	2.46469	1.70382	0	1	1
XLOC_023557	0.862655	0.794874	-0.118057	0.647022	0.863936
Plaa_j4	6.15996	6.21238	0	1	1
Plaa_j3	1.57168	2.29558	0	1	1
Plaa_j2	2.54948	2.0465	0	1	1
Cyp2j13_j2	0.0417932	0.0833046	0.995126	0.502472	1
Cyp2j12-ps_j3	1.50702	1.22439	-0.299637	0.359409	0.694666
XLOC_023575	0.686399	0.733609	0.0959634	0.602831	0.843195
XLOC_023575	0.41026	0.514411	0.326383	0.51569	0.794419
XLOC_023578	1.41438	0.654372	-1.11199	0.208329	0.552338
Tm2d1_j3	3.02134	2.44343	-0.306282	0.403948	0.72656
Dock7_j4	11.922	12.0251	0.0124124	0.932492	0.97953
Jak1_j5	2.14265	3.0304	0	1	1
Jak1_j6	7.78684	3.16541	0	1	1
AK021368	1.06624	2.15116	1.01259	4.75E-05	0.0011441

Ttc4_j2	10.0816	11.0382	0	1	1
Gm1027_j6	0.117654	0.239137	1.02328	0.355513	0.691525
Gm1027_j7	2.73E-05	0.134128	12.2631	0.961956	1
Acot11_j1	0.194309	0.767166	0	1	1
Podn_j3	0	0.0934508	1.79769e+308	0.0241512	1
Zyg11b_j5	0.157098	0.0618656	0	1	1
AK054420_j1	0.203548	0.221062	0	1	1
Btf3l4_j1	1.24644	0.774054	-0.687313	0.0162446	0.121777
AK148461_j1	2.8404	2.24749	0	1	1
Elavl4_j2	0.452337	0.603401	0	1	1
Cyp4x1_j1	3.86411	3.8931	0	1	1
Nsun4_j1	0.615111	0.99132	0	1	1
Mast2	1.25273	1.37647	0.135898	0.524709	0.800294
Btbd19_j3	0.0360183	0.151586	2.07333	0.103182	1
Rps8_j5	0.753069	0.828206	0.137208	0.791018	0.930334
Gm1661_j3	0.146686	0.277669	0.920636	0.069451	0.315993
Rnf220_j1	4.7326	3.98006	0	1	1
St3gal3_j3	0.121914	0.142703	0	1	1
Ptprf_j2	6.45143	4.91104	0	1	1
Ptprf_j3	0.193212	0.621221	0	1	1
Szt2_j6	0.963034	0.929018	0	1	1
Cdc20_j1	1.25051	1.2699	0.0221947	0.898875	0.967647
AU022252_j4	6.08645	6.08914	0.000636933	0.99503	0.998626
Ppih_j1	0.0813649	0.197335	1.27817	0.386389	0.714571
Ppcs_j3	5.93408	3.80236	0	1	1
Kcnq4_j4	0.0996315	0.233382	0	1	1
Smap2_j2	0	0.164912	0	1	1
Mfsd2a_j2	8.07325	7.73976	0	1	1
Macf1_j3	0.104175	0.229939	1.14224	0.0002644	0.0048275
Macf1_j18	0.0446248	0.223529	2.32455	0.0880212	0.363213
1700029G01Rik_j5	0.0331874	0.234267	2.81944	0.0902365	0.368817
1700029G01Rik_j7	0.0483139	0.170123	1.81607	0.0767349	0.334845
Thrap3_j10	0.778412	0.718655	-0.115235	0.895763	0.96693
Thrap3_j21	5.21914	5.27258	0.014697	1	1
Mtap7d1_j2	0.35151	0.403188	0	1	1
Mtap7d1_j11	2.47385	3.52145	0	1	1
Adprhl2_j4	1.57313	3.06605	0	1	1
Tekt2_j2	0.304733	0.11885	0	1	1
Eif2c4_j4	0.0588955	0.253559	2.10609	0.0002813	0.0050707
Ncdn_j8	7.28553	8.60129	0	1	1
Zscan20_j2	0.308289	0.244682	-0.333379	0.436616	0.747163
Rbbp4_j1	0.36214	1.48159	2.03253	1.54E-13	2.49E-11
Eif3i_j1	1.11354	1.12326	0	1	1
Eif3i_j2	0.321873	0.409487	0	1	1
Txlna_j6	0.834619	0.866747	0	1	1
Kpna6_j4	0.210304	1.69949	0	1	1
Tmem39b_j1	1.34482	1.72617	0.360163	0.345931	0.685212

Hcrtr1_j2	0.720171	0.98305	0.448925	0.362703	0.697013
Serinc2_j4	2.4287	5.29573	0	1	1
Ptpru_j5	0	0.106476	1.79769e+308	0.0250647	1
Epb4.1_j3	0.0740327	0.145696	0.976727	0.0905017	1
Epb4.1_j15	1.36003	1.02407	-0.409323	0.0120793	0.0986779
Gmeb1	0	0.0603608	0	1	1
Gmeb1_j1	0.0786142	0.388461	0	1	1
Phactr4_j4	0.0746468	0.287852	0	1	1
Stx12_j3	16.0669	17.7153	0	1	1
Tmem222_j1	0.69794	0.655188	-0.0911937	0.85073	0.9526
Nudc_j2	0.29666	0.37717	0	1	1
Zdhhc18_j5	0.39641	1.3247	0	1	1
Pigv_j4	1.04209	1.09779	0	1	1
Arid1a	0.613896	0.798187	0	1	1
Hmgn2_j5	0.243411	0.221226	-0.137875	0.850248	0.952363
Hmgn2_j6	0.0535356	0.109034	1.02621	0.429598	1
Dhdds	6.62495	5.50571	0	1	1
Cd52_j1	3.53007	6.88635	0.964043	1.02E-05	0.0003147
Fam54b_j4	0	0.282425	0	1	1
Tmem57_j3	3.69192	2.74326	0	1	1
Srrm1_j1	0.245754	0.192759	0	1	1
A330049M08Rik_j5	4.38669	5.46845	0	1	1
Grhl3_j1	0.963656	1.08693	0.173665	0.703548	0.891491
Grhl3_j2	1.51057	0.836516	-0.85263	0.004096	0.0436524
Pnrc2_j1	3.74861	2.28811	-0.7122	0.0058093	0.0570614
1110049F12Rik_j1	27.7583	29.3225	0	1	1
Rpl11_j6	1.16115	1.44402	0.314541	0.393405	0.71936
Rpl11_j7	4.06684	4.73189	0.218509	0.304346	0.650023
Ephb2_j2	0.0909877	0.293412	1.68919	0.0018214	0.0232172
Epha8_j9	0.0457633	0.0934304	1.0297	0.280288	1
Epha8_j10	0.149901	0.0755598	-0.98832	0.185608	0.525906
Cdc42_j3	19.7432	22.7808	0	1	1
Cda_j2	30.6421	32.9059	0.102832	0.381531	0.711932
Nbl1_j2	3.54978	2.66466	0	1	1
2310028O11Rik_j3	24.0479	25.4328	0	1	1
Igsf21_j4	5.11047	4.07482	0	1	1
Arhgef10_j7	0.101621	0.447052	0	1	1
Arhgef10l	3.13028	3.50036	0	1	1
Crocc_j9	0	0.205709	1.79769e+308	3.38E-06	0.0001204
Crocc_j10	0	0.126305	1.79769e+308	0.0002476	1
Spen	0.398127	0.385981	0	1	1
Fblim1_j2	0.0970448	0.103627	0.094675	0.912784	1
Slc25a34_j1	0.0305791	0.108027	1.82078	0.177315	1
Plekhn2_j1	0.96872	1.14755	0	1	1
Plekhn2_j3	0.115827	0.00180799	0	1	1
Plekhn2_j2	0.313679	0.434724	0	1	1
Ddi2_j4	0	0.0498118	0	1	1

Ddi2_j3	0.539603	1.55549	0	1	1
Fhad1_j8	0	0.13452	1.79769e+308	0.0432937	1
Tmem51_j2	0	0.751286	1.79769e+308	3.55E-05	0.0008918
Prdm2_j5	0.347852	0.403853	0	1	1
Prdm2_j7	0.0900506	0.188665	0	1	1
Prdm2_j6	3.10857	3.9686	0	1	1
Pdpn_j1	1.31532	2.41531	0.876791	0.0094353	0.082073
Vps13d_j3	0.211683	1.10292	0	1	1
Vps13d_j4	0	0.0694861	0	1	1
2610305D13Rik_j2	1.09649	1.13258	0	1	1
Gm13157_j5	0	0.171697	0	1	1
Clcn6_j1	1.09869	1.04113	-0.0776327	0.692275	0.886092
Clcn6_j2	0.740107	0.755552	0.0297976	0.888317	0.964658
Tardbp_j1	1.67212	5.32761	0	1	1
Pex14_j4	0	0.0637932	1.79769e+308	0.111636	1
Pgd_j3	4.46571	10.609	0	1	1
Tmem201_j1	0.0842328	0.295201	0	1	1
Tmem201_j2	1.01072	0.949003	0	1	1
Camta1_j8	0.328302	0.419192	0	1	1
Zbtb48_j7	0.00170927	0.219628	7.00553	0.577315	0.829534
Tas1r1_j2	0.0605286	0.0708609	0.227374	0.814775	1
Espn_j3	0.204943	0.262672	0	1	1
Espn_j4	0.14212	0.21908	0	1	1
Rnf207_j2	2.93803	2.45374	0	1	1
Kcnab2_j2	96.397	76.0348	0	1	1
Tprgl_j2	86.5096	89.6914	0	1	1
Arhgef16_j2	0.0767786	0.147046	0.937488	0.396499	1
Prdm16	0.441913	0.254894	-0.793866	0.0087456	0.0775405
Plch2_j7	0	0.0974779	1.79769e+308	0.0112329	1
Prkcz_j6	0.5617	0.629347	0.164056	0.643683	0.862605
Mmp23_j1	0.135523	0.259306	0.936122	0.144275	0.471393
Mib2	7.08249	8.01503	0.178451	0.141302	0.467544
Mib2_j7	1.67215	1.37326	-0.284105	0.236413	0.583594
Atad3a_j6	0.0602236	0.0585349	0	1	1
Gm10560_j1	0.532802	0.672888	0.336767	0.156264	0.48978
Agrn_j5	2.44678	2.47341	0	1	1
Agrn_j6	0.0574921	0.0340661	0	1	1
Plekhn1_j8	0.73459	0.628373	0	1	1
Plekhn1_j14	0.954083	0.939204	0	1	1
Gm15772	260.647	295.137	0.179291	0.041017	0.227643
Cdk6	0.205865	0.108009	-0.930556	0.0252412	0.165431
Cdk6_j4	0.0474957	0	-1.79769e+308	0.0002487	1
Fam133b	8.71012	8.12724	-0.0999266	0.424173	0.739562
Krit1_j3	0.168891	0.0188822	0	1	1
Akap9	0.387929	0.109804	0	1	1
Gm9897	0.554958	0.317925	-0.80369	0.162654	0.498056
Gm8773	0.725291	0.412006	-0.815893	0.159287	0.493926

XLOC_025083	0.324025	0.274927	-0.237056	0.816663	0.940333
Gm8802	6.2404	6.77312	0.118181	0.500887	0.785143
Steap4	2.6814	4.26875	0.67083	1.88E-06	7.17E-05
Sri	19.7478	19.4152	-0.0245033	0.776839	0.924603
Slc25a40_j2	0.617484	0.432803	-0.512689	0.564786	0.823552
Slc25a40_j6	4.6588	4.39979	-0.0825219	0.625951	0.854009
Slc25a40_j7	0.571944	0.502142	-0.187779	0.565309	0.823793
4930420K17Rik	0.195727	0.360112	0	1	1
9330182L06Rik_j1	0.119216	0.351993	0	1	1
9330182L06Rik	6.56305	5.02879	0	1	1
4933402N22Rik	0.276972	0.752469	1.44189	0.0052329	0.0524682
Sema3d	0.71602	0.879492	0.296671	0.159287	0.493926
Sema3d_j1	0.449506	0.000194834	-11.1719	0.574197	0.827934
Sema3e	2.19715	1.52737	-0.524589	0.0001224	0.002545
Pclo	0.687313	0.568411	0	1	1
Pclo_j8	1.15949	0.921195	0	1	1
Cacna2d1	8.19434	6.95264	0	1	1
Cacna2d1_j3	1.73511	6.99967	0	1	1
Cacna2d1_j2	4.42208	12.6491	0	1	1
Hgf	0.703487	0.491991	-0.515892	0.0707848	0.319792
Sema3c	4.3016	6.04965	0.491978	1.38E-05	0.0004071
Magi2_j8	0.139926	0.109145	-0.358417	0.61503	0.848043
Magi2_j7	0.240781	0 -1.79769e+308		1.44E-07	7.41E-06
Tmem60	11.2617	8.8352	-0.350085	0.0150381	0.11511
Tmem60_j1	3.24733	5.153	0.666157	0.0059226	0.0579171
Pion_j2	0.398869	0.619924	0	1	1
Pion	0.98997	0.966993	0	1	1
Pion_j4	0.540901	0.508457	0	1	1
Fgl2	2.30201	3.96481	0.784359	2.48E-08	1.59E-06
Fam185a	4.08195	3.84562	-0.0860428	0.571235	0.826767
Lrrc17	0.970785	0.869108	-0.159616	0.524898	0.800393
Gm6543	2.63051	2.75159	0.0649235	0.784596	0.92757
Armc10_j1	0.0568044	0 -1.79769e+308		0.0034986	1
Pmpcb	21.716	21.151	-0.0380317	0.723038	0.901397
Psmc2	29.8327	29.6344	-0.00962008	0.923558	0.976223
AK044020_j1	0.313739	0.139064	-1.17382	0.373955	0.70679
Lhfp13_j1	0.840304	0.859282	0	1	1
Lhfp13_j7	0.0942233	0	0	1	1
Mll5	2.70945	2.47146	0	1	1
Rint1	1.17794	1.24986	0	1	1
Klhl7	17.8402	16.9953	-0.0699914	0.488999	0.779368
Nupl2	2.87324	2.95964	0.0427397	0.776294	0.92437
Accn3	0.812699	0.863025	0.0866809	0.670176	0.875218
Agap3_j2	21.5241	19.3563	0	1	1
Agap3_j3	2.95848	2.89679	0	1	1
Agap3_j4	20.7898	23.3792	0	1	1
Chpf2	2.3055	1.23013	-0.906267	4.11E-08	2.48E-06

Nub1	9.42429	7.22578	0	1	1
Nub1_j2	11.782	16.6655	0	1	1
XLOC_025135	0.145441	0.0898563	0	1	1
Galnt11	10.5432	9.99103	-0.0776114	0.495273	0.782763
Actr3b	8.26294	7.95319	0	1	1
Dpp6_j3	0.244929	0.262889	0.10209	0.906585	0.970402
Dpp6_j1	1.39537	1.83439	0.394653	0.253075	0.601097
Dpp6_j2	0.346287	0.0197053	-4.13531	0.0710476	0.320458
Dpp6_j8	19.815	17.0049	0	1	1
Htr5a	0.61919	0.414974	-0.577363	0.0455266	0.244264
Htr5a_j1	0.157535	0.0513295	-1.61781	0.0636378	0.299119
Insig1	43.7244	49.2358	0.17127	0.0531931	0.268439
Rbm33	1.59156	1.42025	0	1	1
Rbm33_j1	0.123121	0	0	1	1
Rbm33	1.07399	0.424299	0	1	1
Rnf32_j2	0.907758	0.729078	-0.316234	0.366197	0.700066
Rnf32	0.549745	0.348924	-0.655851	0.0480824	0.252235
Nom1	3.35063	2.98166	-0.168317	0.213746	0.558982
Ube3c	17.0077	13.9089	0	1	1
Ube3c_j5	1.7572	0	0	1	1
Dnajb6_j1	0.559478	0.479308	-0.223128	0.714398	0.89656
Hadhb_j1	0.183245	0.147068	-0.31729	0.584002	0.833245
Hadhb_j6	12.6926	12.8437	0.0170723	0.89528	0.966918
Ept1	9.08006	7.83536	0	1	1
Ept1_j1	3.59997	3.02295	0	1	1
Gm1060	0.521116	0.536817	0.0428243	0.901952	0.968734
Gm1060_j5	0.189422	0	-1.79769e+308	0.0003575	0.0061543
Kcnk3	1.53279	1.55805	0.0235768	0.90997	0.971581
Kcnk3_j1	0.71826	0.536663	-0.42049	0.235211	0.582451
4930471M23Rik	15.8954	19.5224	0.29652	0.002327	0.0281309
Cenp-a	0.24789	0.232511	-0.0924036	0.891922	0.965687
Cenpa	0.321407	0.259466	-0.308856	0.644137	0.862786
Dpys15	17.5667	19.6914	0	1	1
Tmem214_j3	1.04084	1.50155	0.528704	0.0063889	0.0614654
Agbl5	0.701392	0.716413	0.0305708	0.910423	0.971772
Emilin1_j2	0.195636	0.280672	0.520712	0.276067	0.624922
Khk_j2	3.31778	2.92185	-0.183336	0.17001	0.507178
Khk_j1	2.14947	1.89253	-0.183663	0.256955	0.605736
Abhd1_j2	0.426966	0.255992	-0.738024	0.0229015	0.154736
0610007C21Rik	14.2667	15.7963	0	1	1
Cad	0.110416	0.297179	0	1	1
Snx17	0.371238	0.352537	0	1	1
Snx17_j2	0.940211	1.26661	0	1	1
Nrbp1_j1	3.71116	4.04454	0	1	1
Nrbp1_j2	2.07923	1.49846	0	1	1
Zfp512_j4	7.38006	7.36091	0	1	1
Zfp512	0.439132	0.398363	0	1	1

Gpn1	4.49064	4.56197	0.0227355	0.863887	0.956651
Slc4a1ap_j1	2.02974	2.11911	0	1	1
Slc4a1ap	2.1509	1.99069	0	1	1
Mrpl33	32.2077	37.4919	0	1	1
Bre	7.03986	6.21018	0	1	1
Fosl2	1.15357	1.3877	0.266592	0.125609	0.441522
Fosl2_j1	0.734097	0.13293	-2.4653	7.98E-07	3.42E-05
Ppp1cb	20.5309	18.0069	0	1	1
Ppp1cb_j1	0.985908	0.101477	0	1	1
Yes1	0.797484	0.280723	-1.50631	4.19E-05	0.0010254
Yes1	1.00465	1.24662	0.31133	0.148405	0.477304
Gm2420_j1	0.147123	0.219199	0.57522	0.59537	0.838854
Depdc5_j6	0.648685	0.487487	-0.412154	0.203264	0.5472
Depdc5_j5	6.67174	4.4519	-0.583641	2.31E-06	8.63E-05
XLOC_025181	0.215934	0.0937143	-1.20425	0.0520235	0.26473
Ywhah	286.735	270.576	0	1	1
Ywhah_j5	599.999	637.596	0	1	1
Maea	56.9024	52.2963	-0.121781	0.165267	0.501638
Maea_j1	0.130474	0	-1.79769e+308	0.0258725	1
4933407H18Rik_j2	0.359203	0.229696	-0.645074	0.0521283	0.264967
Tacc3	0.794659	0.751962	0	1	1
Fgfr3_j2	0.200462	0.222484	0.150378	0.583585	0.833132
Whsc1_j1	0.179092	0.0291015	0	1	1
Whsc1_j4	0.0601104	0.00101623	0	1	1
Whsc1_j3	0.408727	0.634828	0	1	1
Gm1673	7.08848	7.66548	0.112899	0.554905	0.817856
Nat8l	7.30883	4.89441	0	1	1
Nat8l_j1	70.9047	43.6941	0	1	1
Rnf4_j2	18.8685	19.8032	0.0697517	0.483114	0.775896
Add1_j3	35.0665	32.6401	0	1	1
Grk4	0.120858	0.129827	0.10328	0.875573	1
Rgs12	1.52348	1.39178	0	1	1
Dok7_j3	0.693176	0.422622	0	1	1
XLOC_025200	0.123038	5.54E-05	-11.1172	0.956211	1
XLOC_025200	0.48383	0.4425	-0.128825	0.754662	0.915367
XLOC_025200	0.073146	0	-1.79769e+308	0.0296246	1
Adra2c	8.24632	5.82434	-0.501655	5.32E-05	0.001259
XLOC_025201	0.18529	0.0837509	-1.14561	0.13939	0.464357
Hmx1_j1	0.670836	0.911005	0.4415	0.0091254	0.0800631
Acox3	6.35931	5.28664	0	1	1
Acox3_j3	0.513883	0.561607	0	1	1
Ablim2_j4	4.25855	3.07432	0	1	1
Afap1	0.68439	0.28001	0	1	1
Afap1_j2	0.0514652	0	0	1	1
Grpel1	9.06477	9.71295	0.0996383	0.296141	0.642962
Ccdc96	0.591345	0.538781	-0.134302	0.562766	0.822297
Ppp2r2c_j2	0.294418	0	-1.79769e+308	1.05E-06	4.31E-05

Ppp2r2c	96.7285	99.5311	0.0412057	0.631874	0.856815
Jakmip1_j4	0.287634	0.664747	1.20857	0.0092218	0.0806914
Crmp1_j1	10.8163	15.1648	0	1	1
Crmp1	31.3129	39.5744	0	1	1
Evc2	0.54072	0.682822	0.336629	0.198406	0.541602
Evc2_j7	0.797767	0.850575	0.0924721	0.848075	0.951888
XLOC_025216	0.571718	0.24717	-1.2098	0.366483	0.700205
XLOC_025217	0.16512	0.0749056	-1.14037	0.12986	0.448865
Stx18	4.87576	4.79754	-0.0233334	0.826934	0.94428
Lyar_j1	0.115028	0 -1.79769e+308		0.00954	1
Lyar_j4	0.831676	0.253235	-1.71555	0.0173821	0.12774
Tmem128	17.7336	18.0256	0.0235591	0.839876	0.949215
Otop1	0.504933	0.552818	0.130713	0.675242	0.877609
Gm7816	78.9471	71.6378	-0.140165	0.122546	0.435655
Cpeb2	2.34118	1.90205	0	1	1
Cpeb2_j3	10.9795	9.87303	0	1	1
C1qtnf7_j1	0.428493	0.408683	-0.0682894	0.844138	0.950736
C1qtnf7	0.94824	0.649154	-0.546692	0.027289	0.174556
Cc2d2a_j1	1.33798	0.937803	0	1	1
Cc2d2a_j5	0.152584	0	0	1	1
Cd38	0.478882	0.543154	0.181693	0.585113	0.833924
Cd38_j2	0.18883	0.216276	0.195784	0.793608	0.931169
Clrn2	1.31554	0.868766	-0.59862	0.0002089	0.0039788
Lap3	0.380103	0	0	1	1
Lap3_j2	14.0274	15.2696	0	1	1
XLOC_025238	0.116927	0.0885759	-0.400617	0.732859	1
Med28	9.61873	10.612	0.141774	0.147232	0.475789
Slit2	0.668038	0.245385	0	1	1
Slit2_j1	0.122885	0.02242	0	1	1
Slit2_j10	0.0630634	0	0	1	1
Pacrgl_j1	0.81197	0.373357	0	1	1
Gm5555	49.1766	54.941	0.159911	0.0911811	0.371149
9230114K14Rik	0.512264	0.401871	-0.350157	0.156015	0.489534
Sod3	13.2032	13.7921	0.0629571	0.588505	0.835561
Pi4k2b	0.921225	0.861393	-0.0968825	0.731863	0.905184
Zcchc4	3.05345	2.75304	-0.149412	0.409495	0.729829
XLOC_025248	0.0507019	0.0402079	-0.33456	0.826945	1
Anapc4	7.14631	7.28027	0.0267925	0.842582	0.950263
Anapc4_j1	25.5305	25.7499	0.0123489	0.902029	0.968734
Slc34a2	0.334254	0.321062	-0.0580925	0.841977	0.950086
XLOC_025250	0.1032	0.0818446	0	1	1
XLOC_025250	0.53121	0.366344	0	1	1
XLOC_025250	0.0838181	0.10363	0	1	1
1810013D10Rik	8.60866	9.06911	0.0751719	0.435678	0.746463
Tbc1d19	0.991448	1.7589	0	1	1
Stim2	3.22544	3.37663	0.0660892	0.641356	0.861715
Stim2_j2	0.106283	0 -1.79769e+308		0.0002156	1

XLOC_025255	0.247206	0.0273926	-3.17386	0.373333	0.706263
Gm15975	3.66458	3.92167	0.0978216	0.561769	0.821809
Cbfa2t2-ps1	1.08437	1.07709	-0.00972159	0.976061	0.993119
G6pd2	4.97051	5.96831	0.263929	0.0833292	0.351959
3110047P2ORik	2.59727	2.0249	0	1	1
0610040J01Rik	2.44226	2.28773	-0.0942973	0.624763	0.853468
Pgm1_j7	0.247647	0.611169	1.30329	0.002232	0.0271773
Pgm1_j8	0.114928	0.160435	0.481259	0.574996	0.828142
Pgm1_j10	1.45937	2.06789	0.502813	0.0284289	0.179282
mKIAA1108	0.133821	0.112823	0	1	1
Tbc1d1	0.0826347	0.321126	0	1	1
Tbc1d1_j1	1.90243	1.34703	0	1	1
Klf3	1.60454	1.25422	0	1	1
Klf3_j3	0.243704	0	0	1	1
Fam114a1	7.26608	6.57447	-0.144302	0.195847	0.538405
Klh5_j3	6.98308	6.90452	0	1	1
Klh5	13.4696	9.71548	0	1	1
Klh5_j6	6.70657	5.86487	0	1	1
Wdr19_j5	0.436887	0.152555	-1.51793	0.0020281	0.0252558
Wdr19	0.234547	0.242689	0.0492326	0.903528	0.969103
Lias	3.14506	2.55818	0	1	1
Ube2k	6.80439	6.23207	0	1	1
N4bp2_j2	0.0479705	0 -1.79769e+308	0.0038829		1
Uchl1_j3	1042.52	1307.18	0	1	1
Uchl1_j2	611.778	643.233	0	1	1
Limch1	1.22173	1.48186	0	1	1
Limch1_j1	0.151729	0	0	1	1
Gm6517	9.83553	11.5777	0.23528	0.161341	0.496211
Limch1	2.06175	2.393	0	1	1
Tmem33	0.301721	0.26266	-0.200022	0.561845	0.821818
Slc30a9	14.7091	11.539	0	1	1
XLOC_025279	0.137662	0.0681057	-1.01528	0.257377	0.606261
XLOC_025279	0.328835	0.181829	-0.854782	0.0489455	0.254788
Shisa3	0.901158	0.922616	0.0339512	0.865915	0.957262
XLOC_025284	0.481002	0.230685	-1.06012	0.280671	0.629224
XLOC_025284	0.450503	0.0883061	-2.35095	0.285262	0.634024
Guf1_j2	0.476743	0.525291	0.139907	0.449107	0.755368
Gabrb1	0.279363	0.480859	0.783471	0.0541206	0.271154
Atp10d_j1	0.0730119	0.0122773	-2.57214	0.0679949	1
Atp10d	0.142108	0.175415	0.303785	0.506904	0.789319
Atp10d_j10	0.0982301	0 -1.79769e+308	0.0019762		1
Atp10d_j11	0.216116	0.325456	0.590654	0.238229	0.585115
Slain2	4.25687	4.24019	-0.00566497	0.96057	0.988869
Slain2	1.23339	1.46387	0.247151	0.177386	0.516667
Slc10a4_j1	0.0516504	0 -1.79769e+308	0.0543217		1
Slc10a4	0.27452	0.298311	0.119904	0.79289	0.931005
Ociad1	139.489	132.934	-0.0694441	0.428356	0.74228

Ociad1_j1	14.6041	15.7368	0.107764	0.549512	0.814804
Cwh43_j1	0.278649	0.1993	-0.483509	0.39924	0.722895
Dcun1d4	0.686	0.167816	0	1	1
Dcun1d4	5.61262	3.71015	0	1	1
2700023E23Rik	1.86418	1.78073	-0.0660726	0.861293	0.956144
2700023E23Rik_j1	0.504773	0.540296	0.0981133	0.890216	0.965187
Rasl11b	4.97608	4.07322	-0.288838	0.0671113	0.309734
Fip1l1	6.50516	6.76288	0	1	1
Kit	2.18655	1.87941	0	1	1
Kit_j1	0.291901	0	0	1	1
Kit_j2	0.103082	0.142078	0	1	1
Kit_j5	8.59897	8.22437	0	1	1
XLOC_025307	0.118047	0.0293087	-2.00997	0.254565	1
Srd5a3	3.82902	3.39754	-0.172483	0.22527	0.57244
XLOC_025308	0.0795081	0.0562633	-0.498907	0.637383	1
Tmem165	6.54849	6.27634	-0.0612395	0.529557	0.802537
Gm7271	4.79566	3.65616	0	1	1
C530008M17Rik_j5	2.49435	2.50728	0	1	1
C530008M17Rik_j7	1.70945	0.814665	0	1	1
Paics_j3	15.5687	15.3382	0	1	1
Paics	12.6619	9.12869	0	1	1
Srp72	31.2612	29.2937	-0.0937823	0.295762	0.642513
Polr2b	2.0885	1.70308	-0.294319	0.0994703	0.390422
Lphn3_j1	1.21502	1.14866	-0.0810245	0.665301	0.873092
Lphn3_j11	3.0447	2.84473	-0.0980087	0.477537	0.77269
Ythdc1	3.02087	2.55505	-0.241611	0.193713	0.535997
Ythdc1_j2	0.374366	0.380328	0.0227946	0.963463	0.989786
Smr2	7.36818	6.76102	-0.124067	0.506584	0.789034
Rufy3_j4	27.5982	24.9778	0	1	1
Mobkl1a	2.75859	2.25782	-0.289004	0.0340586	0.2021
Dck	10.8203	10.1211	-0.0963674	0.381177	0.711771
XLOC_025332	0.19878	0.00111994	-7.47161	0.842311	0.950233
Pf4	2.12506	4.01504	0.917913	7.07E-05	0.0015966
Mthfd2l	1.39142	1.21481	-0.195824	0.49353	0.781988
Mthfd2l_j1	0.395692	0.203341	-0.960477	0.0705347	0.319224
Mthfd2l_j7	0.344901	0.588708	0.77137	0.309859	0.654435
Areg	0.219601	0.633591	1.52867	0.0003637	0.0062485
Parm1	109.731	79.8151	-0.459231	1.25E-07	6.56E-06
Thap6	0.55398	0.608803	0.136142	0.457969	0.760743
Uso1	20.5287	17.8212	0	1	1
Art3_j2	9.96395	10.3667	0	1	1
Art3_j5	2.65172	4.05412	0	1	1
Stbd1_j1	1.52423	0.102747	-3.89092	6.45E-05	0.0014813
Stbd1	9.03682	7.31962	-0.304048	0.0130899	0.104567
Shroom3_j1	2.47381	1.86911	-0.404384	0.007905	0.0719739
Shroom3	1.06553	0.742269	-0.52156	0.023203	0.15606
Shroom3_j3	0.318207	0.144258	-1.14131	0.0138538	0.108639

Sept11_j1	0.0985273	0.0331252	0	1	1
Sept11_j2	2.6184	2.59386	0	1	1
Ccng2	8.23149	8.57513	0.0590049	0.606194	0.844912
Mrpl1	1.81531	1.19872	0	1	1
Mrpl1_j2	2.00876	2.27986	0	1	1
Fras1_j3	0.0641434	0 -1.79769e+308	0.0208493		1
Fras1_j5	0.184643	0 -1.79769e+308	2.90E-10	2.67E-08	
Anxa3	1.15496	1.70021	0.557868	0.0369576	0.212772
Bmp2k_j4	0.144997	0.165066	0.187018	0.709859	0.894313
Gm5560	47.4515	43.7949	-0.115692	0.238127	0.585036
Prdm8_j1	0.358766	0.468363	0	1	1
Prdm8_j4	0.545774	0	0	1	1
Prdm8	3.67488	2.79993	0	1	1
Fgf5_j1	0.112785	3.00E-05	-11.8761	0.966805	1
Fgf5	0.219826	0.174077	-0.336636	0.543914	0.811113
Fgf5	0.397353	0.190084	-1.06379	0.0357908	0.208693
Enoph1	2.38609	2.34908	-0.0225487	0.864223	0.95676
Cops4	22.9389	20.7922	0	1	1
Cops4_j2	1.27232	1.59063	0	1	1
Cops4_j3	4.48668	6.26982	0	1	1
Mrps18c	3.24584	3.98013	0	1	1
Agpat9_j4	1.3041	0.922972	-0.498692	0.0373352	0.214212
AK020506	0.37504	0.193665	-0.95348	0.0270891	0.173825
Cds1	6.1513	3.89608	0	1	1
Cds1_j1	10.6022	9.53258	0	1	1
Cds1_j7	10.7655	11.0733	0	1	1
Arhgap24_j1	0.850459	0.448112	0	1	1
Arhgap24_j3	2.19902	1.34045	0	1	1
Arhgap24_j5	3.12569	2.21221	0	1	1
Arhgap24_j6	3.47443	2.12809	0	1	1
Ptpn13_j3	0.13901	0.0534793	-1.37813	0.0376912	0.215494
Ptpn13	1.52223	1.36043	-0.162128	0.317616	0.660907
Ptpn13_j1	0.0677405	0 -1.79769e+308	0.0001128		1
Ptpn13_j13	3.81783	4.10918	0.106095	0.567671	0.824883
Aff1_j1	0.950141	0.662124	0	1	1
Aff1	0.925022	0.655846	0	1	1
Nudt9	26.0122	36.5502	0.490687	2.44E-06	9.08E-05
Ibsp	3.50263	1.85433	-0.917543	1.58E-05	0.0004573
Spp1	28.8685	37.8029	0	1	1
Pkd2_j1	0.0859438	0.0132476	0	1	1
Pkd2	0.515608	0.529923	0	1	1
D930016D06Rik_j3	0.106775	0.0992494	0	1	1
D930016D06Rik_j2	0.0938746	0.0252618	0	1	1
D930016D06Rik_j5	0.156968	0.183911	0	1	1
D930016D06Rik_j8	0.283296	0.264284	0	1	1
Lrrc8b	18.9101	17.8483	-0.0833663	0.345943	0.685212
Lrrc8c_j1	0.0720438	0	0	1	1

Lrrc8c	5.04356	3.08802	0	1	1
Zfp326	1.1691	1.44389	0	1	1
Cdc7	0.913833	0.838635	-0.123887	0.656612	0.869048
Cdc7_j4	0.293959	0.311206	0.0822552	0.865088	0.957045
Brdt_j3	7.53E-05	0.0934415	10.2763	0.919518	1
Ephx4	8.71306	8.93948	0.0370107	0.803168	0.934684
Btbd8_j2	0.723429	0.713329	-0.0202848	0.936762	0.980653
Btbd8_j4	0.346542	0.56893	0.715222	0.0378913	0.21608
1700028K03Rik_j1	0.214095	0.130411	-0.715182	0.236823	0.583799
Rpl5_j2	1.15617	1.43368	0	1	1
Mtf2	1.26894	1.09546	0	1	1
Dr1	12.0647	12.5838	0.0607735	0.565409	0.823805
Pigg_j1	2.41676	2.41365	0	1	1
Pigg_j2	0.394766	0.293174	0	1	1
AK141638_j1	0.253089	0.20121	0	1	1
AK141638_j8	1.71345	1.44061	0	1	1
Pde6b	0.220197	0.86739	1.97789	4.82E-09	3.59E-07
Pcgf3	4.38586	4.16874	-0.0732492	0.521019	0.798005
Idua_j2	1.99144	1.99379	0	1	1
XLOC_025401	0.182679	0.104682	0	1	1
Fgfr1	0.716111	1.13802	0	1	1
Zfp932_j1	2.24406	1.99039	0	1	1
Zfp605_j1	0.940162	1.09667	0	1	1
Chfr	7.41781	8.45934	0.189551	0.109582	0.41203
Golga3	2.07218	2.00943	0	1	1
Golga3_j3	6.44988	6.99376	0	1	1
Ankle2	1.67711	1.40865	0	1	1
Pole_j2	0.0636285	0 -1.79769e+308	0.0004198	0.0004198	1
Galnt9	14.7141	23.0643	0.648458	2.49E-11	2.82E-09
Ddx51	1.80107	1.76219	-0.0314881	0.820277	0.941821
Chek2_j10	0.314846	0.000122704	-11.3252	0.941581	0.982193
Ttc28_j1	0.316325	0.208899	-0.598601	0.0572834	0.280511
Ttc28_j2	0.500525	0.379142	-0.400705	0.0889528	0.365503
Ttc28_j5	0.116511	0.0405622	-1.52226	0.026222	1
Pitpnb	5.3115	4.36234	-0.284016	0.0862875	0.358916
Pitpnb	13.5151	14.9383	0.144446	0.18467	0.525051
Crybb1	2.10353	0.663994	-1.66357	5.88E-05	0.0013639
Tpst2	10.4534	9.82718	-0.0891229	0.484294	0.776337
Tpst2_j1	1.29126	1.84939	0.518263	0.120891	0.433025
Tfip11	5.09456	4.99654	0	1	1
Hps4_j1	0.849085	0.788787	0	1	1
Wscd2	0.283875	0.268483	-0.0804256	0.836326	0.94752
Wscd2_j3	0.0739429	0 -1.79769e+308	0.0023236	0.0023236	1
Ficd	0.783375	0.526663	-0.572824	0.0689577	0.314824
Iscu_j4	0.65973	0.214315	-1.62215	0.0264296	0.170807
Usp30	2.40655	1.93013	0	1	1
Usp30_j6	1.09765	0.748312	0	1	1

Ung	0.616282	0.344942	-0.837237	0.0468236	0.248242
Acacb_j2	0.598984	0.135529	-2.14392	1.57E-08	1.06E-06
Acacb_j9	0.306326	0.291396	-0.0720901	0.858049	0.95492
Ube3b_j2	0.869673	0.310453	0	1	1
Ube3b_j1	6.83676	9.4928	0	1	1
Mvk_j3	0.158848	0.205576	0	1	1
Mvk_j1	28.994	36.1262	0	1	1
Mvk	2.48871	3.03835	0	1	1
BC057022	2.71989	2.21802	-0.294276	0.0924603	0.374117
BC057022_j3	0.1458	0.0761264	-0.937518	0.370639	0.703688
Tchp	1.98933	1.80744	-0.138336	0.484376	0.776394
Ankrd13a	11.2087	16.3649	0.545988	8.91E-08	4.85E-06
Oasl2	10.1987	11.9193	0	1	1
Oasl1	0.313814	0.3407	0.118592	0.801118	0.933726
2210016L21Rik	28.3225	31.6443	0.159993	0.0802844	0.344616
Sppl3_j1	0.990933	0.57236	-0.791866	0.287514	0.635646
Sppl3_j5	9.13048	8.3571	-0.127689	0.586271	0.834297
Sppl3_j7	0.446877	0.00202488	-7.7859	0.271823	0.620639
Srsf9	1.98867	2.17326	0.128059	0.387499	0.715266
Srsf9_j1	1.49097	1.66943	0.163099	0.326797	0.669906
Triap1	16.8345	18.8585	0.163793	0.140045	0.465534
Msi1_j1	1.28219	1.29622	0	1	1
Msi1	2.44696	1.54355	0	1	1
Pxn	4.88647	5.19498	0	1	1
Rplp0_j2	0.500062	4.85063	0	1	1
Rplp0_j3	0.461354	1.08346	0	1	1
Gcn1l1	2.41761	1.45083	0	1	1
Gcn1l1_j6	5.5402	7.33464	0	1	1
Rab35	3.8113	4.54747	0.254779	0.090555	0.3696
Cit_j6	0.660296	0.673509	0.0285843	0.891787	0.965687
Cit_j10	0.204607	0 -1.79769e+308		5.44E-11	5.83E-09
Taok3	2.31516	2.13939	0	1	1
Vsig10	0.593365	0.315297	-0.912207	0.0065801	0.0627603
Wsb2_j5	0.13118	0.046496	0	1	1
AK158973	0.145966	0.0949767	-0.619984	0.468285	0.766949
Ksr2_j1	0.665991	0.307376	-1.1155	2.20E-06	8.27E-05
Nos1_j2	7.94694	6.0692	0	1	1
Fbxo21	1.1044	0.281787	0	1	1
Fbxo21_j2	4.18749	4.56924	0	1	1
Tesc	29.2406	19.5003	0	1	1
Tesc_j1	2.29013	0.238584	0	1	1
Hrk	0.413083	0.937583	1.18252	5.13E-09	3.80E-07
2410131K14Rik	4.26567	4.58766	0	1	1
Med13l_j7	0.591109	0.000295716	0	1	1
Tbx3	1.94968	1.1646	0	1	1
Rbm19	2.50902	3.08018	0.295889	0.0394974	0.222094
Rbm19_j2	0.0989616	0.279204	1.49638	0.122727	0.43611

Slc24a6_j3	0.793818	0.793291	-0.000958708	0.99765	0.999228
Slc24a6_j2	0.120551	0	-1.79769e+308	0.0016124	1
Ddx54	0.281461	0.278867	-0.0133612	0.969961	0.99148
Oas1b	0.530744	0.605465	0	1	1
Naa25	5.91288	5.81957	-0.0229475	0.800814	0.93371
Naa25_j1	0.244264	0.157315	-0.634784	0.0780701	0.338489
Brap	15.9959	14.81	-0.11113	0.236079	0.583364
Atxn2_j1	0.268734	0.0941181	0	1	1
Fam109a	1.39277	1.52171	0	1	1
Fam109a	0.748684	0.799086	0	1	1
Pptc7	1.53239	1.43253	-0.0972236	0.595035	0.838618
Vps29	6.82598	7.34061	0.104865	0.512861	0.7923
Arpc3	94.7247	98.0046	0	1	1
Anapc7	14.0983	15.4686	0.13382	0.202298	0.545897
XLOC_025488	0.239464	0.188591	-0.344543	0.403635	0.726481
P2rx7	0.767965	0.662433	0	1	1
P2rx4_j1	0.260794	0.300802	0.205901	0.822199	0.942621
P2rx4	10.2644	11.3328	0.14285	0.303046	0.648824
Rnf34	3.0676	3.29184	0.101785	0.428824	0.742566
Orai1_j1	6.65153	7.22183	0.118677	0.513839	0.793006
Orai1	3.0576	2.68743	-0.18617	0.356517	0.692479
Tmem120b	3.45305	3.61786	0.0672644	0.588249	0.835413
Psmc9	5.45232	6.04435	0.148716	0.282421	0.630971
Psmc9_j1	3.82888	3.44623	-0.151906	0.53967	0.808476
XLOC_025500	0.156212	0.157248	0.00953766	0.990389	0.997044
Wdr66_j3	0.0545757	0.03118	-0.807641	0.545652	1
Bcl7a	2.7336	2.04534	-0.418463	0.0224729	0.15288
XLOC_025501	0.146301	0.0673111	-1.12002	0.3031	0.648824
Mlxip_j1	0.600798	0.384043	0	1	1
Mlxip	2.72801	2.42805	0	1	1
Mlxip_j2	4.55299	4.83949	0	1	1
Kntc1_j3	0.909688	0.816913	-0.155191	0.698184	0.888784
Denr	15.994	16.0993	0.00946564	0.930134	0.978611
Hip1r_j7	0.341277	0.449524	0.397453	0.344234	0.684009
Ogfod2	2.50563	2.60689	0.05716	0.757115	0.916197
Arl6ip4	18.7959	20.833	0.148447	0.192577	0.534827
Z810006K23Rik	3.69751	3.64296	0	1	1
Setd8	13.8109	13.2479	0	1	1
Snrnp35	0.275028	0.25989	0	1	1
Ddx55	1.58392	1.4047	-0.173243	0.338118	0.678562
Ddx55_j1	0.333689	0.408968	0.293486	0.384626	0.713346
Gtf2h3	6.15213	6.62253	0.106298	0.451783	0.756943
Tctn2	2.41178	2.54222	0.0759899	0.685901	0.882922
Atp6v0a2	11.2308	12.1584	0.114488	0.237189	0.583975
Zfp664	6.90644	8.05703	0	1	1
Fam101a	1.90931	2.18262	0.193009	0.301357	0.647692
Bri3bp	3.97601	3.37861	-0.234892	0.0501322	0.258726

Bri3bp_j1	0.961961	0.850131	-0.178294	0.45018	0.756025
Aacs	26.0836	27.4091	0	1	1
Aacs_j3	3.13501	3.34257	0	1	1
XLOC_025525	0.0556605	0.0626646	0.170998	0.86765	1
XLOC_025526	0.209915	0.179669	-0.22446	0.496207	0.783139
Tmem132c	1.99165	1.53373	-0.376921	0.0126781	0.102195
Glt1d1	1.78225	1.46226	0	1	1
Ran	10.2116	10.5584	0	1	1
Gpr133_j2	1.18469	2.32921	0.975335	2.44E-07	1.18E-05
Mmp17_j1	0.426404	0.493678	0	1	1
Mmp17	1.00901	0.498621	0	1	1
Mrps17_j1	0.182798	0.229885	0.330665	0.438311	0.748108
Mrps17	0.556692	0.67868	0.285852	0.277325	0.626363
Mrps17	1.00175	1.03733	0.0503551	0.814107	0.939438
Gbas	33.2963	30.9031	-0.107608	0.261549	0.610714
Cct6a_j9	1.88312	3.17607	0.754116	0.0015479	0.0202601
Cct6a_j8	37.2929	38.1928	0.0343992	0.717407	0.89808
4930579G22Rik	0.205086	0.275795	0.427368	0.564524	0.823408
Crcp	4.04961	6.46152	0.674089	0.0184708	0.133461
Crcp_j3	23.8001	28.8289	0.276548	0.0076023	0.0700847
Tpst1	20.7261	24.0087	0.212106	0.0359455	0.209145
Tpst1_j1	0.184148	0 -1.79769e+308		0.0083536	0.0749377
Kctd7	4.87314	5.11564	0.0700618	0.517108	0.795422
Rabgef1	0.000523413	0.959199	0	1	1
Rabgef1_j1	1.57647	0.849127	0	1	1
Gm15920	55.742	51.231	0	1	1
0610007L01Rik	0.430541	0.457944	0.0890215	0.72285	0.901299
Tyw1_j2	1.33864	1.00872	-0.408249	0.304055	0.649781
Tyw1_j3	0.820587	0.730817	-0.167146	0.70168	0.890429
Caln1_j1	0.246495	0.119106	0	1	1
Caln1_j2	1.06263	0.687985	0	1	1
Caln1	0.892843	0.667778	0	1	1
Gatsl2	4.75403	3.51374	0	1	1
Gatsl2_j2	5.20498	5.65822	0	1	1
Gtf2ird2_j1	0.0812226	0.000120809	0	1	1
Gtf2ird2_j6	0.870084	0.126892	0	1	1
Rfc2	14.8781	15.0111	0.0128407	0.91682	0.97399
Wbscr27_j3	2.09508	1.28528	-0.704919	0.0429766	0.234987
Wbscr27_j6	0.374899	0.246205	-0.60664	0.489598	0.779561
Abhd11	1.3738	1.72875	0.331554	0.294672	0.641359
Abhd11_j3	2.16295	2.49892	0.208308	0.348803	0.686741
Abhd11_j4	7.16672	7.06047	-0.0215484	0.900644	0.968396
Stx1a	19.0186	23.8629	0.32736	0.0012121	0.0166759
Tbl2	3.75736	3.64095	-0.0454007	0.683199	0.881383
Bcl7b	17.1574	15.9378	0	1	1
Baz1b	1.92047	1.84965	0	1	1
Nsun5_j1	0.312259	0.248364	0	1	1

Rhbdd2	2.38519	2.37638	0	1	1
Rhbdd2	2.48214	2.00599	0	1	1
Por_j3	0.117694	0	0	1	1
Por	3.08244	3.26356	0	1	1
Mdh2_j1	47.0718	67.9192	0.528954	1.17E-06	4.73E-05
Mdh2	201.222	195.545	-0.0412852	0.631827	0.856815
2900083111Rik_j2	0.092241	0.0422826	-1.12534	0.375314	1
2900083111Rik_j1	0.245235	0.106263	-1.20653	0.126052	0.442123
Hspb1	57.3508	114.932	1.0029	0	0
Zp3_j3	0.330888	0.517006	0.643837	0.205847	0.550382
Dtx2	3.52715	3.32544	0	1	1
Dtx2	1.80119	1.61586	0	1	1
Rasa4	6.42304	6.66634	0.0536394	0.697169	0.888506
Polr2j	3.43978	3.72171	0.113646	0.330657	0.672484
Alkbh4	0.395373	0.216895	-0.866219	0.208027	0.55225
Alkbh4	3.43213	3.48689	0.0228388	0.89561	0.96693
Alkbh4_j2	0.16047	0.333778	1.05658	0.108085	0.40873
Rabl5	5.24117	5.37443	0.0362218	0.759998	0.917326
Fis1	48.0697	44.6187	-0.107479	0.315141	0.659106
Fis1_j2	0.232084	0.0803255	-1.53072	0.433466	0.744803
Cldn15	0.082324	0.120355	0.547909	0.529911	1
Plod3_j2	6.78301	9.88483	0	1	1
Vgf_j4	67.5159	133.239	0.980716	0	0
Ache	1.57031	1.51084	0	1	1
Ache	19.7761	9.31072	0	1	1
Ephb4	1.33239	1.43088	0.102887	0.578482	0.830421
Gigyf1_j4	2.46637	2.68689	0.12355	0.298666	0.645356
Actl6b	4.7256	5.21474	0	1	1
Actl6b_j1	14.8087	14.918	0	1	1
Actl6b_j3	3.98499	2.99783	0	1	1
Trfr2_j2	0.146144	0.0240909	-2.60083	0.0421195	0.231941
Trfr2_j5	0.0572075	0.0580457	0.0209853	0.984768	1
Lrch4_j3	0.496047	0.25327	0	1	1
Lrch4_j2	0.965843	0.322422	0	1	1
Lrch4_j1	2.24723	3.30055	0	1	1
Tsc22d4	7.69296	7.96367	0.0498944	0.680404	0.879921
Tsc22d4_j1	6.67996	8.27614	0.309118	0.174784	0.513075
Tsc22d4_j2	25.9987	28.2602	0.12033	0.301903	0.648067
2010007H12Rik	5.43362	5.2071	0	1	1
2010007H12Rik_j2	7.76719	6.90602	0	1	1
Zcwpw1	3.63037	3.28741	-0.143163	0.361054	0.695733
Azgp1	0.14089	0.104858	-0.426133	0.496922	0.783617
Zkscan1	3.74929	2.82	0	1	1
Zkscan1_j1	2.095	2.49776	0	1	1
Zscan21	3.68056	2.59421	-0.504631	0.0168894	0.125161
Zscan21	5.13624	6.76952	0.398339	0.0077288	0.0708994
Cops6	65.6511	68.2914	0.0568856	0.542598	0.810405

Ap4m1_j1	3.32551	3.39873	0	1	1
Cnpy4	1.70968	1.86725	0.12719	0.484196	0.776305
BC055004_j1	0.124847	0.0730674	-0.772859	0.502182	1
0910001L09Rik_j4	0.604658	0.610196	0.0131545	0.959855	0.988566
Stag3_j1	0.148649	0.0732187	-1.02162	0.308647	0.653546
Stag3_j2	0.173148	0.107007	-0.694305	0.318668	0.662021
Zfp157	0.61873	0.702967	0	1	1
Zfp157_j2	0.458133	0.51935	0	1	1
Zfp157_j3	2.07858	2.16746	0	1	1
A430033K04Rik	0.368865	0.421734	0	1	1
Fam20c	3.05635	2.46715	-0.308963	0.0514137	0.262862
Heatr2	1.94467	2.06301	0.0852247	0.645813	0.863418
Heatr2_j1	0.933129	0.8807	-0.0834261	0.816526	0.940275
Sun1_j11	3.22759	2.4814	-0.3793	0.0340947	0.20224
Sun1_j10	3.31539	4.06765	0.295017	0.0629169	0.296995
Sun1_j14	0.655191	0.634572	-0.0461313	0.91317	0.972756
Get4_j1	2.9977	3.50436	0	1	1
Gpr146	1.52436	1.98433	0	1	1
Gpr30_j1	0.186797	0.20325	0	1	1
Gpr30	0.332045	0.409059	0	1	1
Mafk	4.26887	5.62629	0.39833	0.0038266	0.0415662
Mafk_j1	0.800584	0.604831	-0.404521	0.289859	0.637188
XLOC_025613	0.186434	0.144014	-0.372455	0.406764	0.727764
Elfn1_j1	1.58767	1.33204	-0.253281	0.211856	0.556645
Nudt1_j1	0.757805	0.719956	-0.0739179	0.857707	0.954916
Nudt1	2.33581	2.39509	0.0361582	0.876254	0.960645
Nudt1_j2	0.595488	0.638608	0.100858	0.828287	0.944579
Eif3b	39.0936	47.263	0.273779	0.0019172	0.0241522
Eif3b_j3	5.42809	12.739	1.23074	9.74E-09	6.85E-07
XLOC_025616	0.744611	1.11024	0.576313	0.0757644	0.332486
Chst12	3.77256	3.06387	0	1	1
Chst12_j4	0.751507	0.376644	0	1	1
XLOC_025618	0.250625	0.163456	-0.616627	0.454764	0.758773
Lfng	0.629006	0.7242	0.203315	0.490211	0.77988
AA881470_j1	0.212767	0.141365	-0.589846	0.446117	0.75332
Amz1_j2	0.0959254	0.0471404	-1.02495	0.435784	1
Amz1	0.314491	0.31049	-0.0184703	0.971352	0.991962
Amz1_j5	0.761044	1.36697	0.84493	0.0015592	0.0203808
Sdk1_j2	0.596	0.917473	0	1	1
Foxk1	3.60384	3.46755	0	1	1
Wipi2	13.4253	13.5735	0	1	1
Slc29a4	17.0238	17.4121	0	1	1
Fscn1	4.35657	11.6126	0	1	1
Fscn1_j1	2.75432	0.318885	0	1	1
Zfp12	0.346709	0.353616	0.0284554	0.939575	0.981578
Grid2ip	0.420687	0.444361	0	1	1
Grid2ip	0.853536	0.189839	0	1	1

Kdelr2	19.5063	19.9523	0.0326131	0.752713	0.914482
Daglb	3.4833	4.33079	0.314175	0.0291825	0.182289
2810453I06Rik	5.45283	5.21346	0	1	1
Cyth3	11.3917	11.266	0	1	1
D130017N08Rik	2.27608	2.21562	-0.0388379	0.782638	0.926627
Eif2ak1	17.698	17.4781	0	1	1
Rsph10b2_j2	0.069761	0 -1.79769e+308	0.0059951		1
Rsph10b2_j1	0.10902	0.0901504	-0.274192	0.7143	1
Rsph10b2_j9	0.20534	0.170182	-0.270938	0.761897	0.918069
Lmtk2_j2	0.689075	0.720766	0	1	1
Lmtk2	0.304073	0.344172	0	1	1
Bri3	12.8681	12.8939	0.00289195	0.979742	0.994006
Nptx2	10.5988	9.53392	-0.152752	0.177131	0.516263
Trrap_j2	0.307191	0.13282	-1.20966	0.0009669	0.0139194
Trrap_j12	0.185279	0.303395	0.711499	0.131255	0.451034
Arpc1a	104.18	116.67	0.163359	0.057508	0.280989
Arpc1b	10.6813	13.0416	0	1	1
Arpc1b_j2	5.46325	8.11892	0	1	1
Cpsf4	1.19579	1.0756	-0.15283	0.641697	0.861896
Cpsf4	1.28977	1.49821	0.216116	0.449416	0.755499
Zkscan5	2.31045	1.59419	0	1	1
Zfp655	6.06161	6.85743	0.177967	0.100201	0.391868
Zfp498_j3	2.96058	2.61624	-0.178384	0.308852	0.653697
Cdk8_j1	0.393446	0.080299	-2.29271	0.171098	0.507955
Cdk8_j8	0.177001	0.0923202	-0.939037	0.333537	0.67451
Cdk8_j12	0.69633	0.636798	-0.128934	0.750665	0.913496
Wasf3	8.99375	7.71611	0	1	1
Wasf3_j2	1.38801	0.593169	0	1	1
Wasf3_j3	2.68917	1.888	0	1	1
XLOC_025657	0.110901	0.106927	0	1	1
Rasl11a	2.48197	3.90602	0.654215	0.0011328	0.015803
Gtf3a	12.3217	14.7812	0	1	1
Polr1d_j1	0.551143	0.316759	0	1	1
Polr1d	1.51281	1.53166	0	1	1
Polr1d_j3	12.2264	13.5492	0.148212	0.330232	0.672176
Pan3_j3	0.052727	0.0250187	0	1	1
Pan3_j8	0.318291	0.226069	0	1	1
Pomp	13.1059	14.1826	0	1	1
Pomp_j3	8.11732	13.5643	0	1	1
Mtus2	3.67758	6.28802	0	1	1
AK087624_j1	0.0994598	0.0505319	-0.976919	0.324066	1
Uspl1	0.247212	0.215249	0	1	1
Uspl1	6.87056	7.15299	0	1	1
Alox5ap	0.612297	0.789312	0.366365	0.473586	0.770096
Alox5ap_j5	0.754326	0.842902	0.160177	0.800593	0.93355
Alox5ap_j6	0.392294	0.413462	0.0758204	0.929073	0.9783
AK138849_j1	0.057257	0 -1.79769e+308	0.0076897		1

633040615Rik	0.41231	0.418166	0.0203459	0.956111	0.987465
B3galtl	2.15665	1.9056	0	1	1
B3galtl_j2	0.324706	1.3518	0	1	1
B3galtl	7.50064	6.36876	0	1	1
Fry_j8	0.0875042	0.121119	0	1	1
Fry_j7	0.187909	0.0224833	0	1	1
Brca2_j1	0.202301	0.0642176	-1.65546	0.0291465	0.182103
Brca2_j2	0.13464	0.0230233	-2.54794	0.102905	1
Pds5b_j8	2.55549	2.55575	0	1	1
Pds5b_j7	0.476189	0.413817	0	1	1
Kl_j1	0.20515	0.0478667	-2.09958	0.0134775	0.106632
Gatad1	24.8022	25.2465	0.0256182	0.789144	0.929653
Ankib1	1.71312	1.65377	0	1	1
Mterf_j1	0.321254	0.0180493	-4.1537	0.0937477	0.377256
Cyp51	24.6849	25.1548	0	1	1
Cdk14_j7	6.96801	9.27379	0	1	1
Cdk14_j8	0.652313	0.10219	0	1	1
Cdk14	27.3959	21.1772	0	1	1
Cldn12	1.72191	1.54015	0	1	1
Gtpbp10_j2	0.400768	0.309068	-0.374844	0.508116	0.790069
Gtpbp10_j1	1.06508	1.48473	0.479243	0.0715003	0.321474
A330021E22Rik_j3	0.455881	0.320802	-0.506975	0.222845	0.569878
A330021E22Rik_j2	0.132122	0.123446	-0.0979833	0.890794	1
Steap2_j1	0.262648	0	0	1	1
Steap2	0.0734416	0.0485155	0	1	1
Steap1	0.84147	1.08953	0.372728	0.0591645	0.285901
Dbf4	0.652965	0.690956	0.0815874	0.742426	0.909901
Rundc3b	1.63414	1.50112	0	1	1
Rundc3b_j3	1.40745	1.58327	0	1	1
Crot	5.21922	4.27883	0	1	1
Dmtf1	4.92641	3.89637	0	1	1
Grm3_j1	0.11839	0.0389143	0	1	1
Gm5152_j2	0.0272603	0.139376	2.35411	0.502758	1
Speer4c_j2	0.0355291	0.381707	3.42539	0.0190979	0.136495
Gm3510	0.193286	0.44063	1.18883	0.0083739	0.0750531
Cd36	0.103839	0.235116	1.17902	0.0850987	0.356095
Cd36_j2	0.193985	0.113668	-0.771116	0.336055	0.676511
Cd36	2.38E-05	0.152013	12.6428	0.96928	1
Cd36_j3	0.338293	0.00028898	-10.1931	0.745707	0.911379
Gnai1_j2	0.439336	0	0	1	1
Gnai1	24.4963	15.1961	0	1	1
Phtf2_j3	1.83035	1.95496	0.0950138	0.695327	0.887572
Phtf2_j4	0.487156	0.43442	-0.165294	0.677434	0.878715
Phtf2	3.12782	2.61145	-0.260303	0.0832997	0.351865
Rsb1l_j2	1.60525	1.17962	0	1	1
Rsb1l	0.207609	0.42424	0	1	1
Ptpn12_j3	0.410561	0	0	1	1

Ptpn12	4.10186	3.93288	0	1	1
Napepld_j1	0.307934	0.239428	-0.363029	0.239589	0.586975
Dnajc2	4.0012	4.46596	0.158537	0.150532	0.481009
Reln_j2	0.110252	0.0354541	-1.63679	0.0213558	1
Orc5_j5	22.5221	25.2203	0.163239	0.213784	0.558982
AK017143_j2	0.208921	0.114169	0	1	1
Srpk2_j4	8.41762	7.46136	0	1	1
Srpk2_j2	0.497979	0.446949	0	1	1
ENSMUSG00000073777	3.60964	5.99965	0.733024	1.22E-07	6.38E-06
Tomm7	12.1278	12.6889	0.0652513	0.587912	0.835176
Fam126a	0.887295	0.739376	0	1	1
XLOC_025735	0.0700139	0 -1.79769e+308	0.0178605		1
XLOC_025735	0.0604216	0 -1.79769e+308	0.0905305		1
Kcni2	9.46962	7.55179	0	1	1
Kcni2	13.1814	7.52281	0	1	1
Kcni2_j3	1.20237	0.573036	0	1	1
Cdk5	54.0135	53.8523	-0.00431437	0.961097	0.988976
Tmub1_j3	0.730647	0.764499	0.0653405	0.895807	0.96693
Tmub1	1.22483	1.57671	0.364333	0.171098	0.507955
Gbx1_j2	0.0950749	0	0	1	1
Gbx1	0.411774	0.342226	0	1	1
Abcf2	19.0756	17.6057	-0.11569	0.261656	0.610795
Abcf2_j4	8.93677	6.95736	-0.361214	0.0002102	0.0039995
Rheb_j1	59.8922	59.1476	0	1	1
Rheb	63.3392	65.0114	0	1	1
Prkag2_j4	2.81138	2.31257	0	1	1
Prkag2_j2	9.88808	10.2199	0	1	1
Mll3_j14	0.111677	0.0548669	-1.02532	0.0564779	1
Xrcc2	1.89794	1.28266	-0.565298	0.006487	0.0621152
Paxip1_j7	1.77155	1.52742	0	1	1
Paxip1	4.14423	3.86347	0	1	1
Shh	8.18046	6.48327	-0.335459	0.0052928	0.0528825
Lmbr1	0.758135	0.640612	-0.243004	0.374235	0.706986
Tyms_j1	0.11948	0.0322734	-1.88835	0.302872	1
Hadha	13.136	11.9365	0	1	1
Gm16288	0.475846	0.351058	0	1	1
Ost4	0.564834	0.472964	-0.256097	0.205515	0.549925
Ost4	0	0.0485303 1.79769e+308	0.0055661		1
Cgref1	11.2568	19.0866	0.761765	6.70E-11	7.07E-09
Preb	1.80447	2.0363	0.174377	0.308306	0.653251
Preb	11.2197	11.5119	0.0370954	0.696549	0.888142
Slc5a6_j2	0.23846	0.220786	-0.111096	0.870073	0.958679
Ucn	0.730936	4.27321	2.5475	2.92E-13	4.58E-11
Gtf3c2_j10	3.62964	7.30926	0	1	1
Gtf3c2_j11	2.18871	3.30859	0	1	1
Gtf3c2	0.575372	0.241322	0	1	1
Eif2b4	3.66489	3.45087	0	1	1

Ppm1g_j5	0.342303	0.090117	0	1	1
Ppm1g_j3	0.266274	0.0492695	0	1	1
Ift172_j7	1.97012	1.15171	0	1	1
Ift172_j9	2.46436	1.99966	0	1	1
Fndc4	5.06337	5.63579	0	1	1
Fndc4	2.94195	2.85825	0	1	1
Supt7l	0.339024	0.379366	0	1	1
AK036733_j1	0.0906337	0.0786743	-0.204155	0.80844	1
XLOC_025779	0.09475	0.0899868	-0.0744134	0.941203	1
Pisd_j4	2.76428	3.58971	0	1	1
Pisd	3.82676	3.88806	0	1	1
Pisd	2.16134	1.87397	0	1	1
C330019G07Rik_j5	0.212587	0.066789	0	1	1
C330019G07Rik	0.86564	0.698798	0	1	1
Spon2	0.311188	0.344423	0.146395	0.755245	0.915526
Spon2_j1	0.179602	0 -1.79769e+308	0.0006384	0.0099691	
Ctbp1_j2	0.131942	0	0	1	1
Ctbp1	12.3432	17.4675	0	1	1
Ctbp1	7.37405	11.7554	0	1	1
Fam53a_j4	0.665153	0.48512	-0.455344	0.41347	0.732276
Fam53a	1.97523	2.56011	0.374185	0.0760052	0.332943
Slbp	7.36404	8.03055	0.125001	0.360823	0.695583
Tmem129_j1	9.10101	9.98963	0	1	1
Tmem129	1.57213	1.39824	0	1	1
Letm1_j3	16.8819	18.2743	0	1	1
Letm1	4.43259	3.8933	0	1	1
Whsc2_j1	2.45104	3.2578	0	1	1
Whsc2	0.872305	0.708452	0	1	1
Poln_j1	0.069734	0 -1.79769e+308	0.0412075		1
Poln_j2	0.0613776	0.1188	0.952746	0.269383	1
Poln_j3	0.0910005	0.0597413	-0.607145	0.512438	1
Poln_j4	0.226885	0.149538	-0.601453	0.309601	0.65423
Poln_j5	0.0894051	0.0828303	-0.110199	0.901219	1
Poln_j8	0.161119	0 -1.79769e+308	0.0028831	0.0333469	
Mxd4_j1	8.71207	4.49115	0	1	1
Mxd4	3.25472	3.04406	0	1	1
Zfyve28_j4	5.72649	7.08516	0	1	1
Tnip2_j1	0.0971496	0.0759445	-0.355264	0.599127	1
Tnip2_j2	0.272785	0.360351	0.401637	0.215895	0.561625
Mfsd10	3.60986	4.30621	0	1	1
Nop14	9.62038	11.4449	0.25054	0.0197571	0.139688
Lrpap1	64.3007	61.3635	-0.0674532	0.433117	0.744598
2310079F23Rik_j2	0.46016	0.443681	-0.0526115	0.843356	0.950448
Htra3_j1	0.914802	1.05103	0.200269	0.591	0.836786
Htra3_j2	0.562457	0.244968	-1.19915	0.0378401	0.21594
Htra3	0.113821	0.542624	2.25319	0.0002519	0.0046503
Sh3tc1_j5	0.0854001	0 -1.79769e+308	0.0505905		1

Sh3tc1_j6	0.110256	0	-1.79769e+308	0.0004465	1
Sorcs2_j3	0.586804	0	0	1	1
Sorcs2	1.60751	1.3073	0	1	1
Sorcs2_j4	0.932919	1.05145	0	1	1
AK144870_j2	0.524478	0.587443	0.163567	0.737636	0.907523
AK043305	0.791514	0.477966	-0.727707	0.208373	0.552338
Tada2b	2.90634	2.52122	-0.205079	0.171819	0.50891
Tbc1d14_j1	0.290297	0.138424	0	1	1
Tbc1d14	3.1234	3.4767	0	1	1
Tbc1d14	2.77634	2.41748	0	1	1
D5Ert579e_j1	2.23832	1.91483	-0.225198	0.183598	0.52417
D5Ert579e_j2	0.261116	0.181985	-0.520871	0.411695	0.730802
XLOC_025812	0.188202	0.0811148	-1.21424	0.274905	0.623903
Mrfap1	51.0116	55.4476	0.120299	0.19705	0.53985
Man2b2	9.45499	10.4022	0.137741	0.206874	0.551484
Wfs1	16.0938	16.9066	0	1	1
Nsg1	7.95816	12.2466	0.621874	2.15E-09	1.71E-07
Zbtb49_j5	0.165297	0	-1.79769e+308	8.38E-07	3.55E-05
Slc2a9	0.24397	0.226719	-0.105794	0.826334	0.944003
Slc2a9	0.314249	0.220557	-0.510761	0.326192	0.669409
Wdr1_j6	0.137054	0.146561	0	1	1
Zfp518b	0.722237	0.397567	0	1	1
Zfp518b_j5	0.213021	1.11162	0	1	1
Zfp518b	1.01904	0.596437	0	1	1
Hs3st1	1.22723	0.944752	-0.377403	0.0164327	0.122727
XLOC_025828	0.188831	0.000258732	-9.51142	0.787143	0.928981
Rab28	9.53755	9.64415	0.0160344	0.912566	0.972469
Rab28_j2	0.892076	0.393848	-1.17953	0.0281995	0.178204
Bod1l_j6	0.921766	0.985528	0.096497	0.591499	0.837104
Bod1l_j8	0.286717	0.274283	-0.0639631	0.832041	0.945814
Fbx15	15.4192	13.7556	-0.164706	0.105861	0.403985
Prom1_j7	0.211739	4.12E-05	-12.3279	0.933488	0.979817
Prom1	1.9782	1.77822	-0.153757	0.421685	0.737856
Tapt1	5.98488	4.48365	0	1	1
Ldb2_j3	8.74807	8.24405	0	1	1
Ldb2_j1	6.84172	4.925	0	1	1
Ldb2	17.6134	14.6821	0	1	1
Qdpr	32.8212	34.8944	0	1	1
Qdpr_j1	62.8546	66.2888	0	1	1
Fam184b	0.70642	0.898621	0.347187	0.0450249	0.242567
Lcorl_j2	0.445199	0.370969	0	1	1
Lcorl	2.04433	1.43788	0	1	1
Kcnip4	16.6227	14.2859	0	1	1
Kcnip4_j1	0.194173	0.193046	-0.0084019	0.994329	0.998387
Gpr125_j5	0.231723	0.109383	0	1	1
Gpr125	3.44061	2.42115	0	1	1
Ppargc1a	3.06453	2.10384	0	1	1

Dhx15	32.8462	31.6728	-0.0524842	0.560698	0.821153
Lgi2_j2	5.99304	4.82388	0	1	1
Lgi2	16.2967	9.94588	0	1	1
Sepsecs_j4	0.311155	0.302158	0	1	1
Sepsecs	1.59103	1.31638	0	1	1
Sel1l3	8.51474	8.11161	0	1	1
Cckar_j2	2.53152	4.40573	0	1	1
Cckar	7.77938	10.5456	0	1	1
Cckar_j5	2.19878	1.94505	0	1	1
Arap2_j6	0.19363	0.261216	0.43194	0.644237	0.862839
Arap2_j7	0.834612	0.556464	-0.584817	0.254434	0.602729
XLOC_025855	0.499209	0.235137	0	1	1
Rell1	4.45746	4.46852	0.00357736	0.979352	0.993977
Rfc1_j5	0.068338	0	0	1	1
Rfc1_j6	1.66395	1.43093	0	1	1
Rfc1	2.35547	2.19298	0	1	1
Rfc1	0.267613	0.280006	0	1	1
Ugdh	3.7763	4.00125	0	1	1
1110003E01Rik	12.9116	12.0598	0	1	1
Pds5a_j4	2.2109	2.99518	0	1	1
Pds5a_j5	4.84894	3.62967	0	1	1
Bend4	1.19292	0.934808	0	1	1
Bend4_j2	0.440196	0.266034	0	1	1
Atp8a1_j1	1.00004	0.701689	0	1	1
Atp8a1_j2	5.5362	2.16663	0	1	1
Atp8a1	11.5402	8.90167	0	1	1
Kctd8_j3	3.11023	0 -1.79769e+308		2.14E-21	6.17E-19
Kctd8	10.5474	10.3849	-0.0224012	0.831323	0.945557
Gnpda2_j4	2.5006	4.0746	0	1	1
Gnpda2	0.446014	1.641	0	1	1
Gabrg1	0.370418	0.248034	0	1	1
Gabra2_j2	0.467751	0.0424409	0	1	1
Gabra2_j1	0.799871	0.476198	0	1	1
Gabra2	1.50351	0.901916	0	1	1
Gabra4	0.0868526	0.0113103	-2.94093	0.26945	1
Gabra4	0.141804	0.130286	-0.122214	0.87283	0.959747
Commd8	0.221161	0.125531	-0.817047	0.216601	0.562734
Corin_j1	0.120823	0.0686532	-0.815502	0.439366	1
Nfxl1	1.41596	1.36708	-0.0506806	0.801543	0.933853
Tec_j4	0.872509	0.974895	0.160077	0.709236	0.894136
Tec	2.21035	2.1323	-0.0518651	0.792958	0.931024
Tec_j2	0.0941447	0 -1.79769e+308		0.0073683	1
Fryl_j8	6.77778	4.59912	0	1	1
Fryl_j9	0.554342	0.121499	0	1	1
Fryl_j10	1.89491	1.42953	0	1	1
Ociad2	3.34522	4.15098	0.311354	0.0355431	0.207747
Sgcb	24.4224	23.6885	-0.0440136	0.628113	0.855168

Usp46_j1	5.49648	5.15163	-0.0934776	0.526244	0.800979
Usp46	15.3393	13.2202	-0.214487	0.028531	0.17974
Scfd2	3.22331	3.41894	0.0850086	0.551249	0.815749
Chic2	3.1831	3.35813	0.0772248	0.605869	0.844806
Kdr	1.25503	1.09248	-0.200111	0.26277	0.611657
Nmu	0.145308	0.109702	-0.405521	0.773644	0.923158
Nmu_j1	0.156721	0.0910079	-0.784137	0.332154	0.673582
AASDH_j5	0.256643	0.109191	0	1	1
Ppat	2.47891	2.10504	0	1	1
Hopx	90.4311	70.4737	0	1	1
Hopx	10.523	7.96098	0	1	1
Spink2	1.6778	1.64101	-0.0319873	0.924575	0.97645
Spink2_j1	0.810765	0.22222	-1.8673	0.120175	0.431667
2610024G14Rik	7.92647	7.6802	-0.0455353	0.702779	0.891161
Gm2199	34.0157	32.2258	-0.0779869	0.482191	0.775494
Epha5_j5	0.363169	0 -1.79769e+308		1.41E-16	3.55E-14
Epha5_j7	0.613838	0.438273	-0.486028	0.1503	0.480451
Cenpc1	2.16377	2.43078	0	1	1
Cenpc1_j7	1.0371	0.704899	0	1	1
Uba6	5.4433	5.072	0	1	1
Tmprss11c	0.246719	0.19247	-0.358236	0.396598	0.721302
Igj_j1	0.11082	0.15814	0.512982	0.490593	0.780069
Igj	0.27986	0.186989	-0.581748	0.437735	0.747827
Grsf1	29.2637	25.0987	0	1	1
Grsf1_j1	7.14664	4.65033	0	1	1
Gc	0.207444	0.314857	0.601978	0.231864	0.578875
Adamts3_j2	1.39766	1.10274	-0.341921	0.137831	0.461663
Adamts3	0.692558	0.384697	-0.848212	0.0017096	0.0220499
Cox18_j1	0.0551902	0.0447998	-0.300919	0.861013	1
Cox18	0	0.0525058 1.79769e+308		0.126725	1
Ankrd17_j1	6.6403	5.98213	0	1	1
XLOC_025917	0.155207	0.104058	-0.576797	0.349884	0.687507
Rassf6_j2	0.498165	0.26765	-0.896274	0.0787902	0.340448
Rchy1	4.41304	4.86382	0.140319	0.360209	0.695216
Cdkl2	3.09661	1.88164	0	1	1
Cdkl2	8.2755	7.23893	0	1	1
Cdkl2	0.0251213	0.272503	0	1	1
G3bp2	7.7465	5.90454	0	1	1
Naaa	17.5674	16.0625	-0.129204	0.207566	0.55198
Sdad1	3.14319	3.10875	-0.0158964	0.908761	0.971246
Cxcl9	0.743432	0.654638	-0.183504	0.562884	0.822297
Cxcl10	1.55809	1.28104	0	1	1
Nup54_j5	0.196012	0	0	1	1
Scarb2_j2	26.821	27.8129	0	1	1
Scarb2	9.31853	8.67969	0	1	1
Ankrd56	0.42484	0.183632	0	1	1
Cnot6l_j2	0.157117	0.0870742	-0.851526	0.114947	0.421857

Cnot6l	2.17076	1.94274	-0.160112	0.239723	0.587096
Paqr3	1.75811	1.57671	-0.157109	0.502507	0.786492
Antxr2_j8	0.590962	0	0	1	1
Antxr2	2.27939	1.38946	0	1	1
Prkg2	1.81619	1.26865	-0.517617	0.0060603	0.0590265
Rasgef1b_j5	0.163091	0 -1.79769e+308		0.0008513	0.0125668
Rasgef1b_j4	0.79579	0.739225	-0.106374	0.755338	0.915526
Rasgef1b_j2	1.22048	1.17775	-0.0514185	0.828545	0.944579
Tmem150c_j1	5.33627	5.04596	0	1	1
Tmem150c_j2	4.63341	5.1903	0	1	1
Tmem150c	6.71264	4.06268	0	1	1
Sec31a_j4	11.1681	8.87053	0	1	1
Sec31a_j5	1.23336	0.793777	0	1	1
Sec31a_j6	12.9361	9.66414	0	1	1
5430416N02Rik	0.16742	0.249839	0.577526	0.296827	0.643452
Lin54	1.46619	0.91635	0	1	1
Lin54_j6	1.95781	1.95159	0	1	1
Plac8	0.611909	1.10151	0.848091	0.0307822	0.188962
Coq2_j3	3.29838	2.11164	0	1	1
Coq2_j2	7.7107	7.60738	0	1	1
Coq2	2.39462	1.34598	0	1	1
Hpse	1.03008	0.276055	-1.89972	4.98E-07	2.24E-05
Fam175a_j1	0.795153	0.767973	-0.0501772	0.786766	0.928716
Nkx6-1_j1	0.074016	0.0556245	-0.412116	0.834613	1
Wdfy3_j1	0.785767	0 -1.79769e+308		1.67E-16	4.17E-14
Wdfy3_j5	2.18543	1.51414	-0.529417	5.78E-05	0.0013489
Mapk10	4.13089	2.28809	0	1	1
Slc10a6	3.78076	5.27775	0.481246	0.0010543	0.0148914
Klhl8_j4	0.584836	6.16E-05	0	1	1
Klhl8	1.91888	1.8731	0	1	1
Hsd17b11_j1	0.0746303	0.0153047	-2.28579	0.396728	1
Hsd17b11	2.08986	1.90775	-0.131537	0.605339	0.844416
Sparcl1_j1	74.9948	31.0266	0	1	1
Sparcl1	54.7697	47.501	0	1	1
Zfp951_j7	0.233682	0.0391797	-2.57637	0.243725	0.591047
Zfp951	0.222116	0.16835	-0.399847	0.575028	0.828142
Gbp9_j1	0.342035	0.289963	-0.238277	0.538404	0.807898
Gbp4_j1	0.193679	0.119735	-0.693828	0.189433	0.531183
Gbp4_j6	0.0758237	0 -1.79769e+308		0.0046835	1
AK138287	0.339378	0.352754	0.0557692	0.930139	0.978611
AK138287_j2	0.546037	0.575508	0.0758372	0.899354	0.967837
AK087483	1.99854	2.66924	0.417487	0.18403	0.524679
Zfp644_j7	0.557246	0.468536	0	1	1
Hfm1_j5	0.280769	0.20617	-0.44555	0.439848	0.749306
Hfm1_j6	0.148214	0.0501904	-1.56219	0.0469646	0.24858
Hfm1_j7	0.163598	0.0291389	-2.48914	0.0216582	0.148897
Tgfbr3	3.50614	3.01492	0	1	1

Gm9727	16.6443	16.1142	-0.0466908	0.757013	0.916197
Glmn	6.03277	5.40221	-0.159269	0.267886	0.616532
Evi5_j8	0.539073	0.315929	0	1	1
Evi5_j4	4.94123	4.80664	0	1	1
Evi5_j10	1.82159	1.81324	0	1	1
Evi5_j11	1.77771	1.62937	0	1	1
Fam69a	0.148467	0.0893528	0	1	1
Tmed5	7.31933	7.42339	0.0203678	0.855355	0.954239
Atp5k_j1	8.72117	7.03936	-0.309078	0.186254	0.526784
Atp5k	4.55586	4.48976	-0.0210826	0.895173	0.966918
Mfsd7a_j7	0.134205	0 -1.79769e+308		0.0024475	1
Mfsd7a_j8	0.0976662	0.0494308	-0.982447	0.343889	1
Mfsd7a_j9	0.172023	0.282021	0.713204	0.303673	0.649277
Cplx1_j3	398.954	318.095	-0.326763	0.0002601	0.004766
Cplx1	33.9456	24.7476	-0.455937	7.86E-07	3.38E-05
Gak_j5	0.109287	0.0165668	0	1	1
Gak	0.534602	0.571789	0	1	1
Dgkq_j1	0.353658	0.260505	0	1	1
Crlf2_j2	0.398674	0.524807	0.396578	0.212188	0.557126
XLOC_025991	0.276962	0.360434	0.380048	0.575037	0.828142
Crlf2_j9	0.819618	0.986826	0.267846	0.669222	0.874811
5430403G16Rik_j1	0.0913316	0.0136617	-2.74098	0.432456	1
Gtpbp6_j3	0	0.0489302	0	1	1
Pgam5_j2	0.708992	0.520664	0	1	1
P2rx2	1.49848	1.43008	-0.0673979	0.792662	0.931005
Fbrsl1	0.557002	0.217564	-1.35624	0.0025384	0.0301991
Fbrsl1_j5	0.85539	1.33906	0.646565	0.0072537	0.0676874
Fbrsl1_j10	0.875408	0.94337	0.107868	0.716968	0.897819
Noc4l	3.56558	3.84445	0.108643	0.34039	0.680503
Ep400_j1	4.84865	4.51693	-0.10224	0.443971	0.751894
Ep400_j7	0.0354455	0.0700397	0.982569	0.280634	1
Ep400_j8	0.0808741	0 -1.79769e+308		6.42E-05	1
Ep400_j9	0.150602	0 -1.79769e+308		1.56E-08	1.05E-06
Pus1	3.6318	3.82096	0.0732504	0.619561	0.850756
Pus1	0.108773	0.153209	0.494188	0.501566	1
Ulk1_j3	7.41341	8.74365	0	1	1
Ulk1_j4	3.41342	1.69787	0	1	1
Ulk1	5.85298	4.82818	0	1	1
Hscb_j1	1.3745	0.667176	-1.04277	0.0726981	0.324435
Hscb	6.38873	6.71094	0.070986	0.713482	0.896209
Miat_j13	35.9618	41.6063	0	1	1
Miat_j14	0.187317	0.13425	0	1	1
Miat_j15	0.13812	0.571136	0	1	1
Miat_j12	1.89319	1.67278	0	1	1
Cryba4_j2	0.245935	0 -1.79769e+308		0.0014078	0.0187798
Asphd2_j3	3.10184	2.63962	0	1	1
Sez6l_j3	1.84399	5.25122	0	1	1

Sez6l_j4	2.28529	5.06935	0	1	1
Adrbk2_j3	0.093268	0	0	1	1
Adrbk2	1.15248	0.676371	0	1	1
Crybb3	0.0805985	0.100668	0.320782	0.706574	1
Crybb3	0.526768	0.481491	-0.129657	0.699952	0.889482
2900026A02Rik	5.56034	7.05853	0.344195	0.0021998	0.026906
2900026A02Rik_j5	0.686113	0.48624	-0.496779	0.0267032	0.171982
2900026A02Rik_j6	0.0950296	0 -1.79769e+308		1.84E-07	1
Sgsm1	9.62336	7.76917	0	1	1
Sart3_j3	0.952703	0.965973	0	1	1
Sart3_j4	2.34124	2.63253	0	1	1
Sart3_j5	2.03878	1.88516	0	1	1
Sart3	2.33986	2.10302	0	1	1
Selplg	0.653316	1.57414	1.26871	1.06E-07	5.69E-06
Coro1c_j2	13.0835	16.8051	0	1	1
Coro1c	19.0543	20.1316	0	1	1
Ssh1_j3	3.60536	3.04444	0	1	1
Ssh1_j1	0.904386	0.45696	0	1	1
Ssh1	1.63877	1.90785	0	1	1
Svop	12.7268	9.48888	0	1	1
Alkbh2	1.26493	1.17378	-0.107903	0.662831	0.872283
Kctd10	38.4352	41.002	0	1	1
Kctd10	6.63845	6.1741	0	1	1
Mmab_j2	6.55702	6.93554	0	1	1
Mmab	0.74821	0.831401	0	1	1
Trpv4	0.158739	0.22772	0.520606	0.399407	0.723009
Trpv4_j3	0.133659	0.0501862	-1.41319	0.157358	1
Gltp	13.6245	15.8374	0.217128	0.0580571	0.282793
Git2_j4	0.0750726	0	0	1	1
Git2_j5	0.393086	0.356835	0	1	1
2610524H06Rik	27.5918	25.1515	0	1	1
2610524H06Rik	7.18918	7.68831	0	1	1
Acads	10.043	12.0824	0.266719	0.0320344	0.194047
Unc119b	7.99272	9.55364	0.257363	0.018944	0.135853
Mlec_j3	0.134713	0	0	1	1
Mlec	11.3887	10.7347	0	1	1
Cabp1_j6	1.40659	0	0	1	1
Rnf10_j1	3.97394	5.04445	0	1	1
Rnf10_j4	0.0755304	0.147563	0	1	1
Dynll1	6.6706	8.4783	0.345958	0.0204065	0.142913
Gatc	1.11414	1.18895	0.093756	0.582683	0.832835
Cox6a1	185.528	192.199	0.0509631	0.553065	0.816949
Sirt4_j2	0.886959	0.624405	-0.506386	0.300913	0.647316
Sirt4	0.145999	0.104641	-0.4805	0.616094	0.848645
Ccdc64_j2	8.17951	7.58768	0	1	1
Ccdc64	3.16501	3.4826	0	1	1
Prkab1_j2	0.632522	0.711324	0	1	1

Prkab1_j5	0.210402	0.292487	0	1	1
Prkab1_j4	1.60656	2.14959	0	1	1
Tmem233_j3	0.118466	0.135747	0	1	1
Hspb8_j3	93.6181	90.8418	0	1	1
Hspb8	0.404369	0.266064	0	1	1
Srrm4	1.1217	1.32348	0	1	1
Suds3	16.4734	17.0261	0	1	1
Suds3	12.1184	10.6718	0	1	1
Pebp1_j4	217.92	233.225	0.0979244	0.262796	0.611657
Fbxw8	6.43406	6.85921	0	1	1
Rnft2_j6	0.182565	0.256021	0	1	1
Gm16065	0.694056	0.58551	0	1	1
Sdsl_j3	0.702889	0.689481	-0.0277868	0.949779	0.985431
Sdsl_j4	0.388985	0.473327	0.283124	0.693015	0.886263
Plbd2	74.4662	76.4407	0.0377547	0.659912	0.870917
Tpcn1	8.62034	5.11097	0	1	1
Oas2_j2	0.0143027	0.110219	2.94601	0.0374504	1
Oas2_j7	0.0623401	0 -1.79769e+308		0.0625469	1
Oas1c_j1	1.77326	2.4544	0	1	1
Oas1c_j6	1.1811	0.561362	0	1	1
Oas1c	1.11954	0.410243	0	1	1
Oas1c_j7	0.282159	0.425495	0	1	1
Oas1a	1.50618	2.06536	0	1	1
Rph3a_j3	48.1516	32.6634	0	1	1
Rph3a_j4	1.85302	0	0	1	1
Rph3a	47.9221	27.887	0	1	1
Rph3a_j5	12.7849	7.81074	0	1	1
Ptpn11_j2	1.7018	1.94549	0	1	1
Ptpn11	10.0902	9.01969	0	1	1
Trafd1_j7	4.37723	5.04022	0.203469	0.217472	0.563556
Erp29_j1	35.2745	41.8601	0.246952	0.022921	0.154783
Erp29	8.55922	8.61146	0.0087791	0.948441	0.985052
Mapkapk5_j4	0.713724	0.458756	0	1	1
Mapkapk5_j3	0.163848	0.0604942	0	1	1
Aldh2_j1	3.54268	3.12026	0	1	1
Aldh2	17.206	13.55	0	1	1
Cux2_j5	0.423066	0.0329559	-3.68227	9.89E-06	0.0003071
Tctn1_j1	0.981427	0.847805	0	1	1
Tctn1_j2	0.504084	0.474985	0	1	1
1500011H22Rik	5.56421	5.38183	-0.0480788	0.619704	0.85078
Atp2a2_j2	7.47073	7.86308	0	1	1
Atp2a2_j3	0.373291	0.378623	0	1	1
Ift81_j2	0.167087	0.26182	0.647974	0.27416	0.623288
Ift81	3.12593	2.64983	-0.238387	0.16778	0.504318
Camkk2	4.27715	3.39126	0	1	1
Anapc5_j6	1.66404	1.12353	0	1	1
Kdm2b_j3	0.165851	0.126435	-0.391498	0.518434	0.796491

Kdm2b_j4	0.228069	0.258637	0.181464	0.659863	0.870883
Morn3_j2	0.110613	0.0420865	-1.39409	0.310446	1
Rhof	6.12387	6.64708	0.118278	0.33989	0.68005
Diablo_j2	15.7322	21.1089	0	1	1
Vps33a_j8	5.75631	5.12894	0	1	1
Vps33a_j7	0.212067	0.062498	0	1	1
Vps33a_j11	0.238633	0.1707	0	1	1
Clip1_j4	3.81782	4.03241	0	1	1
Clip1_j3	4.34496	3.82617	0	1	1
Zcchc8	2.21663	2.13233	0	1	1
Zcchc8	1.541	1.43888	0	1	1
Zcchc8_j1	0.708979	0.859342	0	1	1
Rsrc2	9.73531	9.91958	0	1	1
Vps37b	1.9018	2.14439	0.173204	0.235035	0.582228
Abcb9	12.7774	11.0319	0	1	1
Pitpnm2_j11	0.0474954	0.0139796	0	1	1
Mphosph9_j1	0.238813	0.0663969	0	1	1
Mphosph9_j2	0.30088	0.0435911	0	1	1
Cdk2ap1_j3	5.83845	6.55106	0.166143	0.167877	0.50444
Sbno1	4.70344	4.26829	0	1	1
Sbno1_j3	1.50073	1.75082	0	1	1
Sbno1_j2	2.92506	2.28094	0	1	1
Rilpl2	4.40809	5.1758	0	1	1
Rilpl1_j1	0.717166	0.786391	0	1	1
Rilpl1	2.04358	2.11634	0	1	1
Eif2b1	14.5789	14.6717	0.009152	0.940223	0.981805
Ccdc92_j7	46.6114	57.0079	0	1	1
Ncor2_j19	2.00868	2.16208	0.106173	0.558752	0.82019
Ncor2_j21	0.129928	0 -1.79769e+308		5.07E-06	1
Ncor2_j22	0.0744539	0.0207156	-1.84563	0.0754109	1
Scarb1	0.0275854	0.807946	0	1	1
Scarb1	4.79636	4.62954	0	1	1
Ubc	0.681347	0	0	1	1
Dhx37	2.49993	2.65128	0.0848021	0.526936	0.801327
Slc15a4	4.17684	3.66689	0	1	1
Slc15a4_j2	3.29679	4.3575	0	1	1
Tmem132d	0.359475	0.464034	0.368338	0.183007	0.523488
5930412G12Rik_j3	0.140723	0.230417	0.71139	0.219065	0.565463
5930412G12Rik	0.059726	0.080836	0.43664	0.694452	1
Rimbp2_j4	0.811605	0.509682	0	1	1
Rimbp2_j5	0.175909	0.0616471	0	1	1
Stx2	29.8232	30.1174	0	1	1
Zfp11	1.05671	1.12813	0.0943614	0.629028	0.85574
Chchd2_j5	2.29616	2.40851	0.0689198	0.882495	0.962629
Gusb	3.79188	4.83886	0	1	1
Asl	2.46924	2.71655	0	1	1
Sbds_j1	1.37818	1.00552	-0.454821	0.0278039	0.176748

Sbds	3.69653	4.71311	0.35051	0.0039608	0.0425871
Wbscr17_j6	28.261	26.9995	0	1	1
Wbscr17_j7	6.02935	6.66885	0	1	1
XLOC_026147	0.106376	0.0807659	-0.397357	0.739525	1
Auts2_j2	0.00115263	0.0601324	0	1	1
Auts2_j4	0.198928	0.12979	0	1	1
Auts2_j3	0.19913	0	0	1	1
Wbscr16	1.97472	1.95122	-0.0172697	0.93008	0.97861
Ncf1_j1	0.131432	0 -1.79769e+308		0.000513	1
Ncf1	0.421325	0.469483	0.156137	0.677909	0.878919
Gtf2i_j1	11.5739	13.893	0	1	1
Gtf2i_j4	0.892367	0.601828	0	1	1
Gtf2i	13.2732	11.6152	0	1	1
Gtf2ird1	1.46385	1.77652	0	1	1
Clip2_j1	13.3468	10.271	0	1	1
Lat2_j4	0.176823	0 -1.79769e+308		0.0009963	0.0142755
Eif4h_j2	31.3839	33.683	0	1	1
Eif4h	75.13	70.2956	0	1	1
Limk1_j1	0.31325	0 -1.79769e+308		0.000123	0.0025532
Limk1	63.427	51.1279	-0.310986	0.0003537	0.0061077
Vps37d	4.28414	3.11838	-0.458211	0.0211976	0.146549
Fzd9	0.27134	0.382346	0.494776	0.171699	0.508832
Pom121	3.69392	3.07718	0	1	1
Hip1_j6	0.0650463	0	0	1	1
Hip1_j2	2.33374	1.22833	0	1	1
Tmem120a	1.14646	1.26771	0.145035	0.427179	0.741603
Stylx1_j1	0.448734	0.3514	-0.352746	0.510128	0.79097
Ywhag	248.247	225.156	0	1	1
Lrwd1_j1	0.0849798	0.0836448	-0.0228439	0.969867	1
Orai2_j1	1.91162	1.14772	-0.736023	0.0016312	0.0211735
Prkrip1	10.6996	13.222	0.305383	0.0444227	0.240435
Cux1	0.987329	0.482091	0	1	1
Cux1	6.83444	6.65452	0	1	1
Emid2	0.62651	0.703993	0.168224	0.582059	0.832667
Znhit1	3.52137	4.30314	0	1	1
Ap1s1_j2	6.96067	10.5918	0	1	1
Ap1s1	65.246	101.075	0	1	1
Serpine1_j1	0.0729068	0 -1.79769e+308		0.0083431	1
Serpine1	0.448898	1.16484	1.37568	5.15E-08	3.02E-06
Trim56_j2	0.0691052	0.0916675	0.407615	0.684619	1
Trim56_j1	0.666877	0.572396	-0.220408	0.469109	0.767371
Srrt	0.774921	0.511786	0	1	1
Slc12a9_j1	3.69685	3.72709	0	1	1
Slc12a9_j4	0.644165	0.631427	0	1	1
Slc12a9_j2	0.889367	0.947407	0	1	1
Pop7	4.41857	4.35235	-0.0217874	0.889799	0.964993
Gnb2_j1	0.209913	0.344208	0.713489	0.0640527	0.300291

Gnb2_j3	1.53718	1.33273	-0.205908	0.29325	0.64028
Mospd3	9.57508	9.37803	-0.0299991	0.836901	0.947822
Pcolce_j1	5.96432	9.51761	0.674242	8.69E-05	0.0019016
Pcolce	1.93719	2.84769	0.555829	0.0020698	0.0256568
Irs3	0.589587	0.479689	0	1	1
Agfg2_j3	5.83401	5.89195	0	1	1
Agfg2	9.36888	6.60383	0	1	1
6430598A04Rik	8.03676	6.3868	0	1	1
Mepce	3.90818	3.99385	0	1	1
Mepce_j2	6.34738	6.89704	0	1	1
Mepce_j3	7.59935	7.59323	0	1	1
Pilra	0.0244645	0.19224	2.97414	0.151769	0.483048
Pilrb2_j3	0.0783456	0.0611315	-0.357936	0.844415	1
Cyp3a13_j1	0.0933486	0.0721041	-0.372546	0.749607	1
Cyp3a13_j2	0.0522911	0.0648946	0.311534	0.788735	1
Gjc3	1.83636	1.83926	0	1	1
Taf6_j2	1.2826	1.47141	0	1	1
Taf6_j3	0.34264	0.378957	0	1	1
Taf6	5.75832	6.40838	0	1	1
BC037034_j1	0.120559	0.164929	0.452104	0.404627	0.726779
BC037034_j8	9.34975	9.08888	-0.0408247	0.845167	0.951025
Gpc2_j3	0.227809	0.328435	0.527786	0.323113	0.666115
Gpc2_j4	0.0777341	0 -1.79769e+308	0.0110349	0.0110349	1
Gpc2_j5	0.132132	0.218882	0.728173	0.271008	0.620042
Zfp68	3.46117	3.84117	0	1	1
Zfp68	2.51932	2.77976	0	1	1
Pdgfa_j1	1.74226	2.73078	0	1	1
Pdgfa	11.7479	10.6146	0	1	1
Prkar1b_j6	0.237136	0	0	1	1
Prkar1b	73.9351	69.1916	0	1	1
Adap1	13.3233	12.3057	0	1	1
Cox19	5.82183	6.75805	0.215134	0.0737953	0.327402
3110082117Rik	2.64019	2.59344	0	1	1
Zfand2a_j2	0.71187	0.980004	0	1	1
Zfand2a	8.95174	8.94363	0	1	1
Zfand2a	6.74782	7.00269	0	1	1
Micall2_j3	0.143104	0.0901526	-0.666625	0.412832	0.731839
Ints1	8.46342	7.87737	0	1	1
Psmg3	16.8883	18.4689	0.129077	0.316503	0.660085
Ftsj2	0.264742	0.56262	1.08757	0.0323445	0.195244
Snx8	4.50922	5.98187	0	1	1
Ttyh3_j2	9.09975	8.17337	0	1	1
Ttyh3	2.5349	3.14069	0	1	1
Ttyh3_j1	3.24972	3.49825	0	1	1
lqce	1.70168	1.68513	-0.0140997	0.931738	0.979283
Gna12	29.152	30.4564	0	1	1
Card11_j1	0.0854152	0 -1.79769e+308	0.0041179	0.0041179	1

Card11_j3	0.154137	0.0796487	-0.952495	0.114309	0.420804
Radil	3.15682	3.45771	0.131342	0.354751	0.690885
Mmd2_j5	2.72309	1.89973	-0.51945	0.0427239	0.233921
Mmd2_j4	1.67701	2.70305	0.688699	0.0079531	0.0722495
Tnrc18_j1	5.70688	5.70582	-0.000266996	0.998145	0.999228
Tnrc18_j7	0.841276	1.31184	0	1	1
Tnrc18_j8	0.0683768	0.000195236	0	1	1
Fbxl18	0.29117	0.237009	0	1	1
Actb	561.389	678.296	0.272914	0.0041391	0.044019
Rnf216	3.16661	2.64864	0	1	1
Rnf216	1.43402	1.67319	0	1	1
Rbak_j2	0.145826	0.050017	-1.54376	0.0723742	0.32376
Rbak_j1	0.21199	9.90E-05	-11.0648	0.869178	0.958391
Rbak	0.359488	0.600226	0.739561	0.0360878	0.209722
Zfp316	1.10134	1.1184	0.0221831	0.904771	0.969711
E130309D02Rik	7.05906	7.2439	0.0372902	0.784934	0.927761
Zdhhc4_j1	2.86657	0.667379	0	1	1
Zdhhc4	4.90953	2.76073	0	1	1
Rac1_j4	6.77858	0	0	1	1
Rac1	23.0209	23.2623	0	1	1
Usp42	1.6671	1.80626	0	1	1
Aimp2	7.75422	10.285	0	1	1
Aimp2	9.91305	10.4636	0	1	1
Ccz1_j1	1.45855	3.50821	1.2662	6.10E-06	0.0002015
Ccz1	14.0648	11.9329	-0.237144	0.0488266	0.254579
Tecpr1_j4	2.37217	3.14679	0	1	1
Tmem130	2.67128	1.94535	0	1	1
Smurf1	1.8034	1.10655	0	1	1
Smurf1_j1	0.293506	0.0224984	0	1	1
Pdap1	2.50552	0.828747	0	1	1
Atp5j2	45.8048	48.3226	0.0771991	0.472744	0.769673
Zkscan14	0.573448	6.91E-05	-13.018	0.928195	0.977819
Rnf6	9.04965	9.01003	0	1	1
Rnf6	8.53151	6.90952	0	1	1
Usp12	9.37564	8.21063	0	1	1
Mtif3	3.21312	2.75257	0	1	1
Mtif3	1.90786	2.16751	0	1	1
XLOC_026263	0.128956	0.0491239	-1.39238	0.141042	1
Ln timer_j2	1.62891	1.4459	0	1	1
Flt3	6.8367	5.02379	-0.444525	0.0001762	0.0034613
Flt1	0.000185564	0.147994	9.6394	0.50172	1
Flt1	0.998508	0.83348	-0.260626	0.263443	0.612269
Slc7a1_j1	2.81327	1.51131	0	1	1
Slc7a1	10.2592	10.586	0	1	1
Ubl3_j2	0.352799	0	0	1	1
Ubl3	28.2822	22.0315	0	1	1
Katnal1_j5	0.109644	0	0	1	1

Katnal1_j6	1.84099	1.78216	0	1	1
Katnal1	4.51833	2.57321	0	1	1
AK079377_j1	0.125705	0.0569181	-1.14308	0.249825	1
AK007907	0.172367	0.201934	0.228402	0.791296	0.930476
AK036974	0.139993	0.160842	0.200287	0.732088	0.905282
Gm15411_j2	0	0.218556	1.79769e+308	0.005392	0.0537202
Gm15411_j3	0.367268	0.168297	-1.12582	0.207753	0.552085
Hmgb1_j1	5.59634	5.92597	0.0825673	0.465128	0.765045
Hsph1	10.3842	8.82842	0	1	1
Gm5	1.06427	0.850096	-0.324167	0.333541	0.67451
N4bp2l2_j2	0.958681	0.890074	-0.107125	0.659211	0.870627
Stard13_j3	0.217777	0	0	1	1
Stard13	3.4135	4.26482	0	1	1
Rfc3	3.1513	3.06386	-0.0405957	0.840857	0.94973
Rfc3_j1	0.376976	0.542828	0.52602	0.606324	0.844955
Pex1_j1	1.85608	1.8397	-0.0127875	0.917907	0.974435
Krit1_j4	8.79691	8.51933	0	1	1
Akap9_j4	0.980217	1.06764	0	1	1
Gm8773_j1	1.23538	1.79887	0.542133	0.0744814	0.329108
Slc25a40_j3	0.0717147	0.0567336	-0.338065	0.879167	1
Abcb4	1.90872	1.64813	0	1	1
9330182L06Rik_j4	2.50048	2.97129	0	1	1
XLOC_025099	0.59401	0.727896	0.293247	0.584444	0.833461
XLOC_025101	40.3649	41.5484	0.0416904	0.815553	0.93995
XLOC_025101	8.11922	7.28726	-0.155964	0.596376	0.83935
Pclo_j6	0.563155	0.49699	0	1	1
Cacna2d1_j1	5.79478	15.8646	0	1	1
Magi2_j6	0	0.0632735	1.79769e+308	0.0358968	1
Magi2_j5	0.246727	0.144253	-0.774316	0.197634	0.540632
Pion_j3	0.334691	0.10373	0	1	1
Pion_j6	0.985541	0.938772	0	1	1
Pion_j5	0.496511	0.496484	0	1	1
Armc10_j2	0.10894	0.131663	0.273312	0.731227	1
Armc10_j3	0.133924	0.00165964	-6.3344	0.704904	1
Rint1	2.39603	3.03863	0	1	1
Nos3_j2	0.0612664	0	-1.79769e+308	0.136891	1
Slc4a2_j3	0	0.133925	0	1	1
1700096K18Rik	0.877445	0.891289	0.0225845	0.93379	0.979901
Actr3b_j3	16.2468	14.9877	0	1	1
Gm7361_j5	0.161666	0.0491732	-1.71707	0.104978	0.402248
Rbm33_j4	0.222415	0.392825	0	1	1
Rbm33_j5	0.0855594	0	0	1	1
9530036O11Rik_j1	0.0734548	0.0696781	-0.0761509	0.942442	1
Ube3c_j6	3.56599	5.92661	0	1	1
Ilf6	0.108336	0.0244422	-2.14807	0.379546	1
Hadhb_j5	3.5692	3.81203	0.0949569	0.792665	0.931005
Ept1_j4	1.95131	2.32798	0	1	1

Gm1060_j1	1.06E-05	0.0803365	12.8821	0.984452	1
Tmem214_j1	2.273	2.99613	0.398498	0.0047591	0.0488843
Tmem214_j7	6.68932	6.61186	-0.0168037	0.875519	0.960411
Abhd1_j6	0.0541619	0.157769	1.54246	0.0038513	0.041732
Cad_j2	1.0232	1.29117	0	1	1
Cad_j5	0	0.130832	0	1	1
Snx17_j1	6.53492	6.82843	0	1	1
Nrbp1_j5	8.71638	8.80138	0	1	1
Nrbp1_j11	0.0800707	0.028249	0	1	1
Zfp512_j5	4.91005	5.11869	0	1	1
Gpn1_j1	1.26481	1.01797	-0.313219	0.413542	0.732302
Gpn1_j2	6.42651	6.49007	0.0141978	0.941961	0.982346
Slc4a1ap_j2	2.56122	3.0242	0	1	1
Ppp1cb_j3	50.8402	49.3214	0	1	1
Yes1_j3	0.329868	0.36874	0.160716	0.694542	0.887364
Ywhah_j3	212.322	267.793	0	1	1
4933407H18Rik_j3	0.638505	0.69093	0.113843	0.610276	0.846482
Fgfr3_j5	0	0.138867	1.79769e+308	0.0030069	1
Whsc1_j6	2.35932	2.58769	0	1	1
Nat8l_j2	1.61417	1.18941	0	1	1
XLOC_025191	0.209162	0.139887	0	1	1
XLOC_025191	0.53077	0.47569	0	1	1
Rnf4	1.6094	1.7267	0.101502	0.492724	0.781218
Fam193a_j2	2.45458	2.40082	-0.0319466	0.845905	0.95135
Sh3bp2	0.430991	0.660246	0.615346	0.0623964	0.295626
Add1_j2	0.746099	0.455046	0	1	1
Add1_j5	4.78553	4.42624	0	1	1
Add1_j4	9.3796	8.40953	0	1	1
Grk4_j3	0.0908818	8.61E-05	-10.0436	0.917039	1
Htt	1.18199	1.10921	-0.0916775	0.553516	0.81725
Htt_j5	8.27132	8.99697	0.121321	0.178729	0.518255
A930005I04Rik	1.55941	1.90776	0.290878	0.259888	0.608587
XLOC_025197	0.390346	0.457302	0.228395	0.50882	0.790568
Dok7	0.838259	0.525588	0	1	1
Dok7_j2	1.3422	1.42756	0	1	1
Dok7	0.159798	0.154942	0	1	1
Dok7_j4	0.288894	0.235041	-0.297624	0.578719	0.830487
Ablim2_j2	0.214278	0.0233377	0	1	1
Afap1_j7	0.52076	0.256547	0	1	1
Jakmip1_j1	28.9499	27.252	-0.087197	0.353176	0.689667
Jakmip1_j5	0.42538	0	-1.79769e+308	4.96E-08	2.92E-06
Cyt11	0.0108433	0.0601544	2.47187	0.290129	1
XLOC_025216	0.995979	1.36354	0.453167	0.259481	0.608218
Lyar	2.20702	2.43624	0.142556	0.551831	0.81604
Cc2d2a_j2	0.0663752	0.0069183	0	1	1
Cc2d2a_j8	0.537089	0.528548	0	1	1
Slit2_j7	0.262103	0.355989	0	1	1

Pacrgl	1.68792	1.92787	0	1	1
9230114K14Rik_j4	1.23139	1.04223	-0.240617	0.301434	0.647787
Zcchc4_j3	0.6556	1.16585	0.830495	0.0465732	0.247407
Rbpj_j1	5.88463	6.5922	0.163809	0.15274	0.484689
Tbc1d19_j5	14.105	15.1913	0	1	1
Pcdh7	1.25802	1.23917	0	1	1
Pcdh7_j4	0.391147	0.371452	0	1	1
0610040J01Rik_j1	0.363023	0.205409	-0.821561	0.227578	0.574755
Pgm1_j4	0.210196	0.0884504	-1.24879	0.186895	0.527882
Pgm1_j9	0.625584	0.859875	0.458923	0.164612	0.500613
Tbc1d1_j6	4.45389	4.43688	0	1	1
Klhl5_j1	0.137011	0.196658	0	1	1
XLOC_025269	0.0763195	0.0596038	-0.356647	0.850948	1
Ube2k_j3	4.54645	4.62032	0	1	1
Nsun7_j4	0.0993334	0.132128	0.411588	0.577944	1
Uchl1_j1	0.111718	0.122971	0	1	1
Uchl1_j5	18.5696	45.4121	0	1	1
Limch1_j5	2.47985	2.40968	0	1	1
XLOC_025279	0.0695192	0.0266177	-1.38503	0.443579	1
XLOC_025280	0.213549	0.124636	-0.776846	0.509682	0.790813
AK035785_j1	0.121609	0.0831654	-0.548194	0.623344	1
Guf1	0.844545	0.717962	-0.234267	0.276428	0.625264
Fip1l1	3.17091	3.20099	0	1	1
Kit	4.83374	4.83288	0	1	1
Kit_j3	4.44754	5.55285	0	1	1
Kit_j4	0.300487	0.501044	0	1	1
Srd5a3_j3	19.289	18.1096	-0.0910235	0.477551	0.77269
Gm7271_j2	7.37521	4.39996	0	1	1
XLOC_025310	0.0877137	0.0915834	0	1	1
Exoc1_j5	0.395678	0.439392	0	1	1
Cep135_j1	0.0369257	0.145246	1.9758	0.111016	1
Cep135_j9	0.209988	0.187282	-0.165094	0.800296	0.933449
Cep135_j11	0.483139	0.422527	-0.193396	0.598938	0.84111
C530008M17Rik_j1	0	0.412648	0	1	1
C530008M17Rik_j9	0.178299	0.0130828	0	1	1
Paics	1.59953	1.21574	0	1	1
Lphn3_j10	0.164461	0.165298	0.00731905	0.987082	0.996282
Ythdc1_j5	0.406184	0.96086	1.24219	0.0070515	0.0662511
Ythdc1_j8	0.313117	1.1926	1.92934	0.0292505	0.182503
Rufy3_j1	6.54268	1.92034	0	1	1
Rufy3_j2	1.22775	6.41724	0	1	1
Rufy3_j3	1.15691	0.801465	0	1	1
Slc4a4	3.89429	3.04522	0	1	1
Mthfd2l_j3	0.0471802	0.0407831	-0.210211	0.879795	1
Mthfd2l_j6	2.00311	1.81837	-0.139597	0.678023	0.878946
Uso1_j2	6.86963	6.72466	0	1	1
Sept11	10.6543	11.7826	0	1	1

Fras1_j9	0.276087	0.315203	0.191157	0.661032	0.871471
Anxa3_j2	0.0554311	0.181912	1.71447	0.187019	0.528005
Prdm8_j3	1.48345	2.24628	0	1	1
1700007G11Rik	0.225531	0.201425	-0.163087	0.849113	0.952225
4930524J08Rik	0.223973	0.221991	-0.0128213	0.988326	0.996486
Agpat9_j3	0.065393	0 -1.79769e+308		0.0073379	1
Agpat9	0.082474	0.234348	1.50664	0.0142616	0.110939
Cds1_j3	0.238782	0.192085	0	1	1
Ptpn13_j5	0.931815	0.667517	-0.481238	0.038344	0.21782
Ptpn13_j6	0.276199	0.0971012	-1.50815	0.0022135	0.0270197
Aff1_j3	4.02884	4.18936	0	1	1
Pkd2_j4	0.0931257	1.00109	0	1	1
Pkd2_j2	1.43604	0.926778	0	1	1
Pkd2_j3	0.956898	0.789956	0	1	1
Lrrc8d_j1	0.104603	0.0576982	0	1	1
Lrrc8d_j2	0.19516	0.122763	0	1	1
Lrrc8d_j5	0.512941	0.264049	0	1	1
AK085824_j1	0.0595433	0.0385498	-0.627218	0.672083	1
XLOC_025384	0.0498247	0.0951005	0.932591	0.459415	1
A830010M20Rik_j1	3.8322	6.82802	0.833295	5.03E-11	5.43E-09
Rpap2_j1	1.89979	2.04281	0.104714	0.627955	0.855072
Rpl5_j5	0	0.049147	0	1	1
Mtf2_j1	1.07288	1.07252	0	1	1
AK141638_j6	0.00371847	0.643058	0	1	1
AK141638_j5	1.98326	2.27206	0	1	1
AK141638_j7	0.640439	0.717873	0	1	1
Pcgf3_j1	8.71963	8.47912	-0.0403529	0.738727	0.908177
Idua	0.0234332	0.056675	0	1	1
Zfp932_j2	0.394183	0.635148	0	1	1
Zfp605_j3	0.174037	0.135464	0	1	1
Chfr_j2	0.283253	0.467862	0.723994	0.131481	0.451384
Chfr_j3	2.48826	2.63435	0.0823084	0.697707	0.888632
Ankle2	1.51713	1.80268	0	1	1
Pitpnb_j1	0.656556	0.883595	0.428466	0.427635	0.741838
Crybb1_j1	0.13066	0.0939666	-0.475598	0.766977	1
Hps4_j2	1.27512	1.10729	0	1	1
Gm3511	16.0537	20.2593	0	1	1
Iscu_j6	3.41019	2.9552	-0.206598	0.439439	0.748957
Iscu_j2	2.78934	2.18576	-0.351786	0.188051	0.529255
Usp30_j1	0	0.1383	0	1	1
Usp30_j3	2.96247	3.96468	0	1	1
Ung	0.0467405	0.210386	2.17029	0.0623865	0.295626
Ube3b_j3	8.48665	5.14159	0	1	1
Tchp	0.5577	1.01037	0.857328	0.0147487	0.113519
Tchp_j2	1.07644	0.836572	-0.363712	0.350306	0.687781
Oasl2_j1	3.34297	4.80555	0	1	1
Sppl3_j3	3.34887	2.2948	-0.545308	0.192472	0.534679

Pop5_j1	0.640906	0.557113	0	1	1
Coq5	12.6517	14.4066	0.187407	0.0411982	0.22826
Pxn	0.844722	0.907809	0	1	1
Pxn_j1	0.312019	0.659368	0	1	1
Gcn11l_j3	2.33875	2.6445	0	1	1
Gcn11l_j7	0.0966382	0.370277	0	1	1
Rab35_j1	0.865027	1.23883	0.518157	0.204538	0.54869
XLOC_025452	3.0276	3.43371	0.181595	0.324495	0.667503
B230112J18Rik_j1	0.0877975	0.0175263	-2.32466	0.289748	1
XLOC_025455	0.408788	0.471876	0	1	1
Taok3_j2	0.122343	0.0265043	0	1	1
Taok3_j4	1.69642	1.28492	0	1	1
Vsig10_j4	1.00952	1.10961	0.136382	0.575331	0.82827
Wsb2	8.29358	8.45292	0	1	1
Wsb2_j3	37.2771	39.1901	0	1	1
Fbxo21	12.8419	9.10503	0	1	1
Fbxo21_j3	5.42366	5.49471	0	1	1
Tesc_j3	6.44428	5.40443	0	1	1
Tesc	2.86742	1.26066	0	1	1
Med13l_j9	0.828084	0.668	0	1	1
Tbx3_j1	1.51271	1.56672	0	1	1
Tbx3_j2	0.049748	0.0718271	0	1	1
Slc24a6	0.644442	0.684838	0.0877113	0.834981	0.946943
Gm15800_j5	0.240004	0.283759	0.241608	0.366761	0.700273
Gm15800_j2	9.18217	7.75412	-0.243871	0.0070195	0.0659957
Atxn2_j5	0.714769	0.779914	0	1	1
Myl2_j2	3.03E-05	0.403248	13.6984	0.993216	0.997985
Ppp1cc_j1	1.38261	1.2193	-0.181335	0.698813	0.889051
Pptc7_j1	1.22667	1.51072	0.300487	0.207699	0.552017
Vps29_j1	48.6161	45.8128	-0.0856847	0.478885	0.773346
P2rx7	0.880302	1.12625	0	1	1
P2rx7_j2	0	0.117216	0	1	1
Rnf34_j1	14.8034	15.7861	0.0927262	0.434068	0.745221
AK079939_j1	0.154672	0.144588	-0.0972596	0.923395	0.97612
XLOC_025494	0.0677396	0.00125541	-5.75377	0.629465	1
XLOC_025495	0.0714648	0.0715339	0.00139405	0.998767	1
Setd1b	1.14723	1.04048	0	1	1
mKIAA1076_j2	2.07347	1.96112	0	1	1
Psm9_j2	4.099	3.3445	-0.293484	0.315006	0.659071
Wdr66_j2	0.292735	0.223481	-0.389443	0.385397	0.714041
Ogfod2_j2	9.36558	10.3449	0.143481	0.24323	0.590533
Setd8_j1	0.468974	0.30031	0	1	1
Gtf2h3_j2	0.229197	0.227417	-0.0112487	0.990227	0.997044
Dnahc10_j5	0.116337	0.129191	0.151188	0.843492	1
Dnahc10_j7	0.0407025	0.131119	1.68768	0.151617	1
Dnahc10_j10	0.0860381	0	-1.79769e+308	0.0088235	1
Fam101a_j1	0.000737424	0.509439	9.4322	0.413058	0.73195

Gpr133	1.66196	4.51988	1.4434	0	0
Sfswap	5.60078	5.93806	0	1	1
Srsf8_j6	0.880696	0.798837	0	1	1
Srsf8_j7	0.483376	0.662952	0	1	1
Gbas_j1	6.36789	5.4274	-0.230555	0.196741	0.539504
Cct6a_j1	30.1706	33.9201	0	1	1
Vkorc1l1	0.728731	0.838392	0	1	1
Rabgef1_j2	8.95517	7.534	0	1	1
Tyw1_j1	0.18571	0.123766	-0.58544	0.500485	0.785042
Caln1	0.622331	0.304798	0	1	1
Gtf2ird2	0.603723	0.771209	0	1	1
Wbscr27_j1	0.228528	0.389204	0.768156	0.412442	0.731438
Wbscr27	2.88069	1.47941	-0.961394	0.0035154	0.0390655
Wbscr27_j8	0.295835	0.257721	-0.198982	0.825729	0.943781
Wbscr27_j7	0.463249	0.442438	-0.0663109	0.922485	0.975867
Abhd11	0.7567	0.80799	0.0946156	0.701399	0.890328
Stx1a_j1	3.71884	5.76846	0.633335	0.001879	0.0237702
Bcl7b_j2	0.616834	0	0	1	1
Baz1b_j3	5.21893	5.21554	0	1	1
Nsun5	3.38067	3.71844	0	1	1
Rhbdd2_j1	19.5466	17.3947	0	1	1
Por_j2	5.06626	6.28881	0	1	1
2900083l11Rik_j3	2.65699	3.50685	0.400383	0.0793005	0.341916
Dtx2_j1	0.308339	0.412277	0	1	1
Rasa4_j4	0.455163	0.505642	0.151732	0.720983	0.900148
Rasa4_j2	0.261942	0.160732	-0.704587	0.313953	0.658288
XLOC_025573	0.133187	0.0577799	-1.20482	0.57072	1
Rab15_j1	8.85866	9.8347	0.150793	0.421579	0.737767
Fis1	82.5167	95.2001	0.206277	0.035543	0.207747
Cldn15_j2	0.133986	0 -1.79769e+308	0.0105579		1
Cldn15_j3	0.138414	0.240245	0.795515	0.381257	0.711819
Plod3	1.25071	1.60728	0	1	1
Plod3_j4	9.11332	13.3981	0	1	1
Vgf_j6	1.43111	2.47064	0.787754	0.0003975	0.006737
Vgf_j7	0.728422	1.8672	1.35803	9.93E-07	4.11E-05
Ache_j2	16.305	14.9873	0	1	1
Ephb4_j2	0.490404	0.373783	-0.391769	0.286547	0.635383
AK134703_j1	0.0673161	0.0668515	-0.0099901	0.993025	1
Lrch4	1.55957	3.05719	0	1	1
Ap4m1	1.64209	1.73758	0	1	1
Cnpy4_j1	2.39831	2.66168	0.150322	0.392794	0.718937
Fam20c_j3	0	3.20597 1.79769e+308		1.22E-14	2.30E-12
Sun1_j15	6.39246	7.45171	0.2212	0.129027	0.447615
Elfn1_j2	9.61106	9.37438	-0.0359723	0.734129	0.90626
XLOC_025616	0.0195025	0.0872122	2.16087	0.063078	1
Chst12_j3	1.3681	0.0947283	0	1	1
AA881470	8.06828	9.7196	0.268637	0.0138535	0.108639

C330006K01Rik	1.17996	1.29859	0	1	1
Slc29a4_j1	1.08152	1.28878	0	1	1
Fscn1_j3	0.467621	0	0	1	1
O610040B10Rik_j1	0.832772	0.574084	-0.536659	0.329892	0.671905
Cyth3_j5	5.96451	6.3657	0	1	1
Rsph10b2	0	0.187414	1.79769e+308	0.106663	0.405742
Bri3_j1	0.161064	0.147996	-0.122073	0.902566	0.968961
Trrap_j8	1.06472	0.858286	-0.310947	0.104484	0.401025
Trrap_j7	0.294808	0.306554	0.0563639	0.854402	0.953902
Trrap_j6	0.203083	0.186494	-0.12294	0.741484	0.909295
Trrap_j5	0.910564	0.876816	-0.0544861	0.779561	0.925607
Arpc1b_j1	59.5423	79.957	0	1	1
Cpsf4_j1	0.540988	0.963975	0.833398	0.0279706	0.177379
Zkscan5_j1	0.112598	0.337983	0	1	1
Zfp655	4.89891	5.78371	0.239533	0.168974	0.505754
Zfp498_j2	0.241811	0.155195	-0.639805	0.332703	0.67386
Cdk8_j4	0.0908507	0.225619	1.31232	0.383147	0.712878
Cdk8_j5	0.844483	0.938672	0.152553	0.723332	0.901484
Cdk8_j6	0.70486	0.512519	-0.459732	0.393546	0.719561
Wasf3_j1	0.463785	0.572673	0	1	1
Rpl21_j1	1.38345	1.8273	0	1	1
XLOC_025661	0.160829	0.10428	-0.625072	0.755978	0.915846
XLOC_025663	0.0777626	0.0478982	-0.699104	0.44744	1
Pan3_j6	0	0.0886325	0	1	1
Pomp_j2	30.5342	42.8715	0	1	1
Mtus2_j2	0.108195	0	0	1	1
Usp1	0.615401	0.000310577	0	1	1
AK009869_j3	0.0636665	0	-1.79769e+308	0.0362894	1
AK009869_j2	0	0.0577396	1.79769e+308	0.106029	1
Alox5ap_j2	0.742028	0.585778	-0.341119	0.6011	0.841992
Alox5ap_j3	0.253558	0.771124	1.60465	0.0115734	0.0955056
XLOC_025673	0.0877706	0.0579622	-0.598625	0.615106	1
XLOC_025674	0.184395	0.682771	1.8886	0.152765	0.484703
XLOC_025674	0.130073	0.129299	-0.00861897	0.994635	1
AK138849_j2	0.185007	0.448437	1.27733	0.0229557	0.154886
6330406I15Rik_j1	0.194566	0.0171655	-3.50268	0.0321254	0.194416
Fry	7.50673	7.7893	0	1	1
Fry_j11	5.57744	5.0041	0	1	1
Pds5b	4.28452	3.65507	0	1	1
Mterf	0.910164	0.857851	-0.0854002	0.821994	0.942583
Cyp51_j1	0.650976	0.691029	0	1	1
A330021E22Rik_j4	0.301678	0.206788	-0.544858	0.29404	0.640886
Adam22_j1	0.120241	0.119	-0.0149648	0.967108	1
Adam22_j3	6.68669	5.4342	-0.299225	0.0013896	0.0186173
Rundc3b_j1	3.75567	3.86602	0	1	1
Crot_j4	3.18603	3.47852	0	1	1
Crot_j3	18.1246	17.9408	0	1	1

Dmtf1	1.32734	1.44933	0	1	1
Cd36_j1	0.121246	0 -1.79769e+308	0.0175696		1
Gnai1_j1	16.6576	13.985	0	1	1
AK046351_j2	0.0569556	0.0615278	0.1114	0.890108	1
AK046351_j5	0.247828	0.239812	-0.0474368	0.944166	0.983317
Phtf2_j1	0.185725	0.193889	0.0620627	0.908619	0.971192
Rsb1l_j3	0.962566	1.33256	0	1	1
Rsb1l	1.06361	0.458815	0	1	1
Ptpn12_j2	2.64804	3.16422	0	1	1
Ptpn12_j1	4.7089	4.5821	0	1	1
Fbxl13_j1	8.14399	6.70636	-0.280207	0.251677	0.599616
Napepld	0.409508	0.393131	-0.0588813	0.877237	0.96086
Napepld	1.00695	1.34351	0.416005	0.0560923	0.277016
Reln_j1	4.34098	5.17646	0.253946	0.203024	0.546925
Orc5_j2	6.97632	10.1302	0.538124	6.75E-05	0.0015403
Orc5_j6	7.29214	5.41886	-0.428353	0.0510787	0.261892
A930003O13Rik	1.09505	0.862475	-0.34444	0.303247	0.64898
A930003O13Rik_j1	0.0627021	0.0395721	-0.66403	0.550444	1
Pus7	1.44843	1.30506	-0.150364	0.475982	0.771778
Fam126a_j1	0.139523	0.268324	0	1	1
XLOC_025735	0.419255	0.403985	-0.0535271	0.896213	0.967019
Kcnh2_j2	12.2034	10.3146	0	1	1
Tmub1_j2	10.6188	10.6936	0.0101302	0.944945	0.983684
Gbx1_j3	0.0349686	0.159394	0	1	1
Abcf2_j2	0.583926	0.810577	0.473165	0.0224429	0.15274
Prkag2_j5	9.82152	16.8583	0	1	1
Prkag2_j7	4.76717	5.20228	0	1	1
Prkag2_j6	4.9287	9.62578	0	1	1
Xrcc2_j2	0.38891	0.351567	-0.145636	0.7481	0.912349
Paxip1_j3	2.73391	2.71522	0	1	1
Paxip1_j4	0.258027	0.411505	0	1	1
Paxip1_j5	0.0334123	0.0494597	0	1	1
Tyms_j2	0.11803	0 -1.79769e+308	0.0449769		1
Tyms	0.365569	0.464717	0.346211	0.535352	0.806229
Hadha_j1	0.293181	0.866729	0	1	1
Slc5a6_j4	0.270726	0 -1.79769e+308	0.0052681		0.052712
Slc5a6_j6	1.47117	1.00645	-0.547682	0.274572	0.623743
Gtf3c2_j5	0.987126	0.764001	0	1	1
Ppm1g_j8	1.88534	2.46911	0	1	1
Ift172_j2	0.6455	1.09997	0	1	1
Ift172_j3	0.061389	0.0317034	0	1	1
AK036733_j2	0.100329	0.112829	0.169392	0.867132	1
Rbks	3.02312	2.35254	0	1	1
Pisd_j2	0.699005	0.455619	0	1	1
Pisd_j3	0.560699	0.720026	0	1	1
Ctbp1	51.3709	38.3705	0	1	1
Tmem129_j2	3.81507	4.14153	0	1	1

Haus3	4.23253	3.50162	-0.273498	0.112077	0.416662
Zfyve28_j1	17.2749	15.6196	0	1	1
Zfyve28_j2	18.4163	14.0091	0	1	1
Tnip2_j5	1.07578	1.88078	0.805948	0.0038247	0.0415564
Tnip2	0.472332	0.933801	0.983313	0.0003412	0.0059303
Mfsd10_j3	0.0647928	0.0484315	0	1	1
Mfsd10	1.45988	1.57894	0	1	1
2310079F23Rik_j6	0.537606	0.533312	-0.0115677	0.971107	0.991879
2310079F23Rik	0.370916	0.379975	0.0348112	0.895889	0.96693
Sorcs2_j1	0.0959189	0.000331802	0	1	1
AK144870_j5	0.343449	0.189742	-0.856057	0.256157	0.604997
AK144870_j1	0.817891	0.559279	-0.548342	0.179279	0.518924
XLOC_025812	0.073696	0.043175	-0.771391	0.658734	1
Man2b2_j1	2.7612	2.8237	0.0322887	0.940779	0.982026
Wfs1	3.99979	5.32676	0	1	1
Evc_j4	0.0584041	0.0434895	-0.425401	0.684847	1
Evc	0.351615	0.0705307	-2.31767	0.0012858	0.0174852
Evc_j1	0.52374	0.450462	-0.217445	0.487177	0.778145
Nsg1_j1	0.620078	0.929764	0.584413	0.039438	0.221931
Wdr1_j2	0.617888	0.883163	0	1	1
Wdr1_j3	30.3638	39.484	0	1	1
Hs3st1_j1	7.89	5.54372	-0.50917	0.0023234	0.0281
Bod1l_j5	2.62696	2.57295	-0.0299703	0.805366	0.935633
Bod1l_j9	0.802837	0.820452	0.0313122	0.875097	0.96023
Gm7854_j1	0.114305	0.0797098	-0.520053	0.676281	1
Prom1_j1	0.468844	0.741976	0.662265	0.277135	0.626172
Prom1_j2	0.313019	0.63693	1.02489	0.029383	0.183133
Tapt1_j2	0.797539	2.00197	0	1	1
Qdpr_j2	0	0.240306	0	1	1
Fam184b_j2	0.889979	0.179405	-2.31055	0.0048277	0.0493598
Gpr125_j3	4.14619	4.00251	0	1	1
Gpr125_j6	1.12091	0.863149	0	1	1
C130083M11Rik_j1	0.0882553	0.12693	0.524274	0.414088	1
Lgi2_j1	0.330207	0	0	1	1
Sepsecs_j2	0.203877	0.160776	0	1	1
Cckar_j1	4.24457	6.6134	0	1	1
Arap2_j4	5.5517	3.3227	0	1	1
Arap2_j5	0.109736	0.796355	0	1	1
Arap2_j8	0.485919	0 -1.79769e+308		7.66E-05	0.0017075
Rfc1_j1	5.20937	5.13251	0	1	1
Rfc1	1.58609	1.39137	0	1	1
Ugdh_j2	0.18466	0.392851	0	1	1
XLOC_025863	1.22425	1.03958	0	1	1
Pds5a_j1	0	0.153666	0	1	1
Bend4_j3	0.0779981	0.0734333	0	1	1
Bend4_j5	0.365002	0.191253	0	1	1
Atp8a1_j5	2.42617	2.52027	0	1	1

Gnpda2_j3	19.8836	35.4981	0	1	1
Gabra2_j4	0.553329	0.420269	0	1	1
Commd8_j2	1.7556	1.80791	0.0423628	0.826998	0.94428
Commd8_j3	10.0851	10.6768	0.0822543	0.543368	0.8108
Nfxl1_j2	0.106195	0.25576	1.26807	0.27557	0.624571
Tec_j3	0.193485	0 -1.79769e+308		0.0001186	0.0024789
Fryl_j3	3.87342	5.18067	0	1	1
Fryl_j4	10.8389	10.9015	0	1	1
Fryl_j7	4.13912	3.37895	0	1	1
Sgcb_j1	0.0519701	0.0994501	0.936291	0.374767	1
LnX1	2.97983	2.84896	0	1	1
Clock_j2	0.638132	0.325048	-0.9732	0.228529	0.575589
Aasdh_j1	3.14712	1.97266	0	1	1
AASDH_j1	0.765553	0.953147	0	1	1
Hopx_j1	18.8639	19.1107	0	1	1
XLOC_025899	0.118713	0.0151642	-2.96874	0.0796993	1
Igfbp7	18.9257	22.1602	0.227624	0.0807575	0.345924
Epha5_j6	0	0.175008 1.79769e+308		1.97E-05	0.0005485
Epha5_j8	0.631749	0.825599	0.386089	0.181139	0.521088
Cenpc1_j2	1.79801	1.82527	0	1	1
Cenpc1_j4	1.15293	1.33589	0	1	1
Uba6_j2	0.506766	0.14414	0	1	1
Tmprss11c_j4	0.874527	0.527699	-0.728789	0.0175748	0.128649
Igj_j2	0.0500416	0.0179559	-1.47867	0.440793	1
XLOC_025910	0.146634	0.114312	-0.359249	0.645702	0.863371
Adamts3_j4	0	0.0467862 1.79769e+308		0.290942	1
Cox18	3.53863	4.00694	0.179312	0.381892	0.712127
Rassf6_j4	0.259367	0.0712439	-1.86416	0.0715986	0.321738
Cdkl2_j2	11.8248	12.7629	0	1	1
Cdkl2_j1	5.75839	5.50377	0	1	1
G3bp2_j2	27.0999	20.4431	0	1	1
Ppef2_j1	0.0601983	0.0528972	-0.186533	0.863915	1
Cxcl10_j1	2.49074	2.74878	0	1	1
Nup54_j9	1.31794	1.30339	-0.0160187	1	1
Nup54_j10	3.00665	3.23946	0.107595	1	1
Scarb2_j1	7.09266	6.63583	0	1	1
Ccni	25.6811	28.4018	0	1	1
Cnot6l_j1	0	0.0509352 1.79769e+308		0.0105602	1
Paqr3_j1	0.550977	0.23046	-1.25748	0.0681844	0.312593
Rasgef1b_j1	0.193443	0 -1.79769e+308		1.55E-05	0.0004491
Hnrnpd_j3	12.1663	12.8513	0.0790244	0.63497	0.858364
Hnrnpd_j4	2.13441	1.83702	-0.216467	0.452832	0.757789
Hnrpd_j6	0.062754	0.23867	1.92724	0.0268189	0.172435
Hnrpd_j7	2.33135	1.66484	-0.485777	0.0150841	0.115367
Sec31a_j3	9.39624	9.49136	0	1	1
Lin54_j4	0.137014	0.109985	0	1	1
Lin54_j5	0.0488382	0.0144966	0	1	1

Coq2_j4	0.113543	0.11587	0	1	1
Mapk10_j3	14.6013	15.6909	0	1	1
Mapk10_j4	1.18708	0.69365	0	1	1
Mapk10	0.960267	0	0	1	1
Gbp9_j2	0.0109265	0.315139	4.85009	0.176979	0.516097
Gbp4_j4	0.328818	0.339301	0.0452771	0.925012	0.976705
Mpa2l_j1	1.0924	0.543812	-1.00632	0.0110957	0.0925507
Mpa2l_j2	0.558721	0.232924	-1.26227	0.0611088	0.291681
Mpa2l_j4	0.58436	0.165187	-1.82276	0.0665317	0.308148
Zfp644_j4	3.98371	3.69291	0	1	1
Zfp644_j5	0.0884253	0.0667073	0	1	1
Hfm1_j3	0.0595612	0.35016	2.55557	0.0364492	0.211118
Hfm1_j15	0.0374765	0.0526094	0.489335	0.727531	1
Hfm1_j14	0.0568432	0	-1.79769e+308	0.033411	1
Tgfr3_j2	0.203144	0.0937519	0	1	1
Mfsd7a_j11	0.050442	0.0211649	-1.25295	0.507283	1
Gak_j4	0.923177	0.665447	0	1	1
Dgkq_j2	0	0.795686	0	1	1
Dgkq	7.59108	7.66109	0	1	1
Crlf2_j7	0.308464	0.327972	0.0884681	0.872884	0.959782
Crlf2_j11	1.4961	1.4064	-0.0892013	0.809596	0.937682
AK019690_j1	0.233681	0.188941	-0.306608	0.685414	0.882628
XLOC_025996	0.239429	0.168388	-0.507812	0.361706	0.696116
Gtpbp6_j9	1.09667	2.51355	0	1	1
Gtpbp6_j10	0	0.112728	0	1	1
Gtpbp6_j11	0.964699	1.35318	0	1	1
Pxmp2	3.90606	3.83975	0	1	1
Fbrsl1_j1	0.353037	0.247986	-0.50956	0.353864	0.690069
Ep400_j11	0.473459	0.38017	-0.316596	0.41019	0.730238
Ulk1_j2	1.28052	1.15875	0	1	1
Miat_j3	1.38925	0.286433	0	1	1
Miat_j2	0.339756	0.171004	0	1	1
Miat_j1	0.082082	0.0766905	0	1	1
Cryba4	0	0.165272	1.79769e+308	0.0227653	0.154095
Cryba4_j1	0.111988	0.137386	0.29489	0.833457	1
Asphd2_j4	2.8165	2.10849	0	1	1
Sez6l	1.43096	2.08597	0	1	1
Sez6l_j6	0.00502583	0.628654	0	1	1
Crybb3_j1	0.127136	0.255168	1.00508	0.0929455	0.375022
2900026A02Rik_j2	2.18824	2.07395	-0.0773913	0.632244	0.857011
2900026A02Rik_j1	0.962748	0.57286	-0.748976	0.0006002	0.0094841
Sart3_j1	1.96832	2.91641	0	1	1
Tmem119	0.23003	1.17189	2.34894	2.25E-08	1.46E-06
Selplg	0	0.0922957	1.79769e+308	0.0717349	1
Svop_j4	9.44316	10.5343	0	1	1
Alkbh2_j3	1.06261	1.46791	0.466143	0.268776	0.617733
Mmab_j1	4.16751	4.53652	0	1	1

Git2_j1	1.23804	0.921489	0	1	1
Unc119b_j1	1.28879	1.21969	-0.0795117	0.760515	0.917558
Rnf10_j3	13.2666	16.856	0	1	1
Rnf10	55.019	54.2803	0	1	1
Prkab1_j1	0.31664	0.684488	0	1	1
Tmem233_j2	92.3631	90.6359	0	1	1
Hspb8_j2	70.264	79.1202	0	1	1
Srrm4_j3	0.0891179	0.0283558	0	1	1
Rfc5_j1	0.383859	0.910235	0	1	1
Rfc5_j2	0.338413	0.341925	0	1	1
Rfc5	0.1844	0.353484	0	1	1
Fbxw8_j3	10.3882	11.6502	0	1	1
Rnft2	2.96708	1.72258	0	1	1
Tpcn1_j1	0.210805	0.182549	0	1	1
Tpcn1_j2	3.4716	2.3397	0	1	1
1110008J03Rik	3.78042	3.69434	-0.0332293	0.837479	0.94802
Oas1c_j5	0.976541	1.06892	0	1	1
Oas1c_j2	0.224056	0.0175356	0	1	1
Rph3a_j8	0.361714	0.756913	0	1	1
Rph3a_j10	0.566729	0.454263	0	1	1
Ptpn11	5.08783	3.30578	0	1	1
Trafd1_j6	0.230473	0.556711	1.27233	0.0106719	0.0897998
Trafd1	0.574263	0.544602	-0.0765099	0.789862	0.929963
Mapkapk5_j8	0.648631	0.394941	0	1	1
Sh2b3	0.400249	0.209464	0	1	1
Cux2_j6	0.31568	0.0509636	-2.63092	0.0058802	0.0575951
Cux2_j1	0.000550013	0.0731717	7.05568	0.166115	1
Tctn1_j3	1.29267	1.13597	0	1	1
Tect1	1.30492	1.26651	0	1	1
Atp2a2_j1	3.02523	3.71688	0	1	1
Camkk2_j2	0.963394	1.58081	0	1	1
Anapc5_j3	32.643	39.9873	0	1	1
Anapc5	16.612	15.8697	0	1	1
Anapc5	19.7944	22.6621	0	1	1
Kdm2b_j10	0.0730952	0.0317772	-1.20179	0.270797	1
Rhof	1.00473	1.06606	0.0854766	0.699274	0.889232
AI480526_j2	0.0888153	0.0651287	-0.447516	0.644048	1
AI480526_j3	1.5738	1.49894	-0.0703069	0.743022	0.910059
AI480526_j2	0.92515	1.04438	0.174885	0.565912	0.824157
Vps33a_j2	0.167578	0.229779	0	1	1
Clip1_j1	1.04185	0.966474	0	1	1
Clip1_j2	0.432212	0.233732	0	1	1
Zcchc8_j2	0	0.232984	0	1	1
Rsrc2_j1	2.88705	2.36544	0	1	1
Abcb9_j2	0.226159	0.0812489	0	1	1
Pitpnm2_j10	19.2678	19.184	0	1	1
Pitpnm2_j1	11.2151	7.19097	0	1	1

Pitpnm2_j2	10.2555	7.8895	0	1	1
Mphosph9_j4	0.219577	0.0237988	0	1	1
Mphosph9_j8	0.0508211	0.141977	0	1	1
Ccdc92_j1	22.5124	22.9939	0	1	1
Ccdc92_j2	1.77584	1.91522	0	1	1
Ccdc92_j3	22.2627	22.635	0	1	1
XLOC_026125	0.0949455	0.229732	1.27478	0.0857018	0.357424
Dhx37_j3	0.256727	0.159177	-0.689598	0.527197	0.801453
Slc15a4_j1	0.281508	0.665318	0	1	1
5930412G12Rik_j4	0.265391	0.410071	0.627752	0.20118	0.544548
Rimbp2_j12	0.764873	0.246923	0	1	1
Rimbp2_j9	0.357839	0.137692	0	1	1
Chchd2_j4	33.1709	39.8818	0.265814	0.018463	0.133443
Chchd2_j6	0.289325	0.277499	-0.060208	0.965044	0.990054
Asl_j2	8.77724	10.8909	0	1	1
Wbscr17_j3	0.264021	0	0	1	1
Wbscr17	8.50928	6.83522	0	1	1
XLOC_026147	0.11914	0.0973731	-0.291067	0.798099	1
Auts2_j7	0.159802	0.363445	0	1	1
Auts2_j17	0.237998	0.242157	0	1	1
Ncf1_j2	0.606658	0.793446	0.387248	0.256256	0.605113
Gtf2i_j7	1.34347	1.57912	0	1	1
Gtf2ird1_j1	1.43723	1.99113	0	1	1
Gtf2ird1_j3	0.414196	0.331375	0	1	1
Gtf2ird1_j2	0.64026	0.477946	0	1	1
Clip2	0.922585	0.351123	0	1	1
Clip2_j6	0.833234	0.575567	0	1	1
Eif4h	13.1303	13.6318	0	1	1
Limk1_j2	33.5096	27.8407	-0.267378	0.0177164	0.129412
XLOC_026158	0.218364	0.228131	0.0631281	0.934422	0.979958
Eln_j2	0.285957	0.0822458	-1.79778	0.0181564	0.131804
Eln	0.576766	0.986817	0.774796	0.0017545	0.0225051
Wbscr22	3.98404	3.99379	0.003528	0.975905	0.993085
Hip1_j3	2.07405	2.34215	0	1	1
Hip1_j4	4.45614	2.95427	0	1	1
Hip1_j5	0.591679	0.579742	0	1	1
Hip1	1.60489	1.98812	0	1	1
Ywhag_j1	36.0703	0.272513	0	1	1
Srcrb4d_j1	1.46484	0.931396	-0.653277	0.0650094	0.30355
Lrwd1	2.23113	2.41823	0.116172	0.376722	0.708706
Orai2_j4	0.0467616	0.233179	2.31804	0.316721	0.660102
Sh2b2_j1	0.0991033	0.0306917	-1.69108	0.352391	1
Znhit1	7.88879	10.4811	0	1	1
Ap1s1_j1	31.715	43.3469	0	1	1
Serpine1_j2	0.0322867	0.216286	2.74393	0.0253128	0.165753
Trim56	0.0723335	0.173562	1.26271	0.138582	0.462974
Srrt_j1	1.31316	1.18539	0	1	1

Gnb2_j6	71.7143	84.4847	0.236429	0.0058189	0.057111
Mospd3_j1	0.000637921	1.05609	10.6931	0.751806	0.914176
Fbxo24_j1	0.0704074	0.122633	0.800544	0.41312	1
6430598A04Rik_j1	5.49263	4.25732	0	1	1
6430598A04Rik_j3	4.46362	6.95575	0	1	1
Cyp3a13_j7	0.0547061	0.00178593	-4.93696	0.685204	1
Gjc3_j2	2.51995	4.13502	0	1	1
Zfp113_j2	7.57E-05	0.205292	11.4057	0.842737	0.950279
Mcm7_j2	0.35147	0.373439	0.0874731	0.845462	0.951174
Gpc2_j2	0.0412502	0.186578	2.17731	0.049964	0.258241
Pdgfa_j3	0	0.703247	0	1	1
Pdgfa_j6	1.54885	1.17225	0	1	1
Cox19_j2	4.93121	5.07829	0.0424028	0.896716	0.967071
Micall2	3.16533	3.2335	0.0307432	0.838248	0.948409
Ints1_j6	0.0626673	0.0254823	0	1	1
Ints1_j5	0.194391	0.19921	0	1	1
Psmg3	1.01976	1.62356	0.670932	0.129767	0.448694
Mad1l1_j4	5.32318	4.91295	0	1	1
Mad1l1	6.15537	5.65817	0	1	1
Mad1l1_j3	0.876821	1.31178	0	1	1
Snx8_j2	0.971271	0.637284	0	1	1
Grifin_j1	0.113401	0.0738687	-0.618397	0.419533	1
Ttyh3_j3	0.826711	1.21758	0	1	1
Gna12_j1	9.57052	9.69868	0	1	1
Card11_j9	0.180876	0.125202	-0.530743	0.338512	0.678819
Mmd2	40.8086	35.9931	-0.181156	0.0515599	0.263333
Tnrc18_j6	1.00731	1.05648	0	1	1
Fbxl18_j1	1.65443	1.84715	0	1	1
Rnf216_j6	0.151352	0.130571	0	1	1
Rbak_j5	0.1294	0.0802359	-0.689512	0.423784	1
Zdhhc4_j4	5.95389	8.8905	0	1	1
Rac1_j3	0.81488	0.53296	0	1	1
Usp42_j1	1.36713	1.54372	0	1	1
Tecpr1_j1	0.0291417	0.0719945	0	1	1
Tecpr1	3.20393	2.5436	0	1	1
XLOC_026251	3.796	5.15039	0.4402	0.254609	0.602805
Smurf1_j2	2.71243	3.05701	0	1	1
Pdap1_j1	4.54477	6.70034	0	1	1
Atp5j2_j2	28.9473	32.8971	0.184533	0.293692	0.640505
Zkscan14_j2	1.44063	1.60843	0.15896	0.536758	0.80709
Rnf6_j2	2.7315	2.53612	0	1	1
Usp12_j2	0	0.0629665	0	1	1
XLOC_026263	0	0.0755997	1.79769e+308	0.0621641	1
XLOC_026263	0	0.056426	1.79769e+308	0.104387	1
LnX2_j1	0.646165	0.461638	0	1	1
Flt1_j1	1.33334	1.22314	-0.124454	0.505767	0.788505
Flt1_j2	0.122958	0	-1.79769e+308	1.31E-06	1

Slc46a3	0.423308	0.45704	0	1	1
Slc7a1_j2	0.248294	0.16532	0	1	1
Ubl3_j4	18.0307	19.2086	0	1	1
Katnal1_j3	0.422108	0.51865	0	1	1
Katnal1_j2	3.76738	1.67738	0	1	1
N4bp2l2_j6	0.084374	0.0652075	-0.371762	0.742243	1
Krit1_j2	0.139841	0.387627	0	1	1
Slc25a40_j4	1.01136	0.516245	-0.970176	0.272899	0.621813
Slc25a40_j5	0.718223	0.00305816	-7.87562	0.151567	0.4829
Abcb1a_j1	3.19326	3.1711	0	1	1
9330182L06Rik_j3	5.82306	5.53848	0	1	1
Pclo_j2	0.130648	0.0504439	0	1	1
Cacna2d1_j4	7.45822	11.4937	0	1	1
Cacna2d1_j5	26.7866	50.094	0	1	1
Magi2_j1	0.113767	0.106264	-0.09842	0.941959	1
Magi2_j2	0.362754	0.2298	-0.65861	0.107441	0.407525
Fam185a_j2	2.5317	2.46402	-0.039097	0.87647	0.960747
Armc10	0.123143	0.0737292	-0.740022	0.280725	1
Armc10	0.116542	0.0265727	-2.13283	0.0687109	1
Lhfpl3_j3	0.405536	0.00823154	0	1	1
Lhfpl3_j2	6.43206	1.35641	0	1	1
AK002390	0.440397	0.658431	0.580226	0.136984	0.460194
Klhl7_j1	0.335706	0.217889	-0.6236	0.434317	0.74545
Accn3_j2	3.19407	1.99662	-0.677835	0.0063845	0.0614477
Slc4a2_j1	2.98661	2.61638	0	1	1
Agap3_j6	8.68995	3.89469	0	1	1
Agap3_j8	9.8283	12.142	0	1	1
Nub1	5.71924	5.53547	0	1	1
Nub1_j3	7.45865	9.31878	0	1	1
XLOC_025135	0.11458	0.132237	0	1	1
Actr3b_j1	1.5853	0.904871	0	1	1
Actr3b_j4	9.60523	7.955	0	1	1
Dpp6_j1	0.129634	0.0708075	-0.872465	0.527799	1
Dpp6	27.5669	12.5911	0	1	1
Htr5a_j3	0.0905567	0 -1.79769e+308	0.0006815	0.0006815	1
Htr5a_j5	0.162915	0.271125	0.734837	0.158352	0.492583
Rbm33_j3	0.0470123	0	0	1	1
Rbm33_j7	1.68891	0.974697	0	1	1
Rnf32_j3	0.507942	0.426587	-0.251825	0.564521	0.823408
Ube3c_j2	0	0.115918	0	1	1
Ube3c_j1	2.55626	3.09969	0	1	1
Ube3c_j4	6.32827	10.8059	0	1	1
Gm1060_j2	0.213118	0.215354	0.0150578	0.980718	0.994152
Cenp-a_j1	0.194384	0.253599	0.383644	0.650234	0.865694
Emilin1	0.40752	0.411085	0.012566	0.968476	0.991077
Emilin1_j4	0.241345	0.493369	1.03157	0.157182	0.490998
Cad_j1	1.20327	0.892154	0	1	1

Snx17_j3	4.16092	3.88407	0	1	1
Nrbp1_j7	14.2945	14.6175	0	1	1
Nrbp1_j9	15.8934	16.4568	0	1	1
Zfp512_j1	0.216478	0.29669	0	1	1
XLOC_025181	0.265157	0.217505	-0.285799	0.481784	0.775249
Ywhah_j1	0.386309	0.19509	0	1	1
Ywhah_j2	7.17188	5.53353	0	1	1
4933407H18Rik_j1	0.274936	0.195428	-0.49246	0.16012	0.49462
4933407H18Rik	0	0.0553583	1.79769e+308	0.0044689	1
Whsc1_j2	3.63955	3.38639	0	1	1
Whsc1_j8	0.503186	0.215345	0	1	1
Gm1673	5.01066	5.35198	0.0950709	0.672056	0.87616
Nat8l_j4	11.9736	1.29147	0	1	1
XLOC_025191	0.248194	0.169743	0	1	1
Fam193a_j1	3.73086	3.58221	-0.0586588	0.671403	0.875764
Sh3bp2	0.293552	0	-1.79769e+308	5.85E-08	3.39E-06
Add1_j6	16.2117	17.6186	0	1	1
Grk4_j4	0.174085	0.0933539	-0.899009	0.284263	0.632886
XLOC_025197	0.0950483	0.104323	0.134325	0.886857	1
Rgs12_j1	0.941942	1.10305	0	1	1
Rgs12_j2	0.664685	0.603479	0	1	1
XLOC_025200	0.0614775	0	-1.79769e+308	0.0382519	1
XLOC_025201	0.171654	0.0588157	-1.54523	0.215521	0.561474
Hmx1_j2	1.43788	1.80306	0.326507	0.361771	0.696128
Acox3_j1	0.555076	0.739135	0	1	1
Acox3	1.98202	1.19131	0	1	1
Ablim2_j1	1.13896	0.968252	0	1	1
Afap1_j1	0.39175	0.896015	0	1	1
Ppp2r2c_j1	0.185149	0.0865284	-1.09744	0.194789	0.537206
Jakmip1	1.17666	0.937951	-0.327111	0.314296	0.658565
Evc2_j4	0.181522	0.168974	-0.103344	0.885468	0.963679
XLOC_025234	0.448132	0.288503	-0.635339	0.511052	0.791357
XLOC_025236	0.0625339	0.0463939	-0.430703	0.598338	1
Slit2_j6	1.10139	0.465832	0	1	1
Slit2_j8	0.254709	0.000164696	0	1	1
AK017706_j1	0.334453	0.238855	0	1	1
9230114K14Rik_j1	0.152069	0.0991515	-0.617019	0.18995	0.531833
Pi4k2b_j1	0.259736	0.0527456	-2.29992	0.0275446	0.175637
Pi4k2b_j2	0.740518	0.659238	-0.167736	0.668212	0.874424
XLOC_025248	0.0912702	0.0512101	-0.833715	0.464644	1
Anapc4_j2	0.54635	0	-1.79769e+308	6.20E-08	3.56E-06
Slc34a2_j1	0.159377	0	-1.79769e+308	1.70E-06	6.55E-05
XLOC_025250	0.389892	1.39044	0	1	1
XLOC_025255	0.122567	0.0815747	-0.587372	0.671179	1
Pcdh7_j1	3.77686	1.92268	0	1	1
Pcdh7_j5	9.63376	5.7173	0	1	1
3110047P20Rik_j1	3.8262	3.53011	0	1	1

Pgm1_j1	0.430904	0.601495	0.481186	0.222352	0.569453
Pgm1_j2	0.174772	0	-1.79769e+308	0.0008019	0.0120047
Tbc1d1_j2	1.28967	1.39137	0	1	1
Klhl5_j4	2.96061	1.12012	0	1	1
Klhl5_j5	0.0873418	0.06858	0	1	1
Wdr19_j1	0.404461	0.247331	-0.709556	0.129565	0.448468
Wdr19_j3	0.111407	0.0320952	-1.79541	0.108116	1
Ube2k_j2	16.1316	21.0416	0	1	1
Nsun7_j1	0.155746	0.074678	-1.06044	0.223529	0.570667
Nsun7_j5	0.160703	0.16812	0.0650943	0.920304	0.975019
Nsun7_j6	0.114261	0	-1.79769e+308	0.0020247	1
Uchl1	1.76151	1.56828	0	1	1
Limch1_j4	1.43763	1.67697	0	1	1
Tmem33_j3	0.333553	0.446745	0.421534	0.229138	0.57622
Slc30a9_j2	0.69379	0	0	1	1
Slc30a9_j4	0.152571	0.16891	0	1	1
XLOC_025284	0.235893	0.0382	-2.62649	0.194834	0.537206
XLOC_025285	0.210864	0.10478	-1.00894	0.314353	0.658565
Atp10d_j12	0.199112	0.0846953	-1.23322	0.235427	0.582638
XLOC_025294	0.117008	0.0565979	-1.04779	0.401586	1
XLOC_025296	0.122224	0.0504694	-1.27605	0.239584	1
Dcun1d4_j3	1.65723	2.10226	0	1	1
Pdgfra_j1	0.159546	0.139613	0	1	1
Pdgfra	0.219352	0.187861	0	1	1
Pdgfra_j4	0.245332	0.521449	0	1	1
XLOC_025306	0.118793	0.141726	0.254661	0.749135	1
XLOC_025307	0.12141	0.0964476	-0.332076	0.779273	1
Srd5a3_j1	0.189752	0	-1.79769e+308	0.0537451	0.270102
XLOC_025308	0.290059	0.229696	-0.336619	0.33623	0.676695
Exoc1_j2	5.24381	4.32928	0	1	1
Cep135_j3	0.0981214	0.177265	0.853267	0.15757	0.491628
C530008M17Rik_j2	0.928419	0.465753	0	1	1
C530008M17Rik_j3	0	0.0850538	0	1	1
C530008M17Rik_j6	0.361415	0.0917214	0	1	1
Paics_j1	1.90425	1.81663	0	1	1
Rest_j1	0.0551961	0	-1.79769e+308	0.0033639	1
Lphn3_j9	0.842075	0.733742	-0.198675	0.359988	0.695038
Rufy3	19.788	18.0709	0	1	1
Slc4a4_j1	0.1163	0.102524	0	1	1
XLOC_025332	1.01594	0.85166	-0.254471	0.46711	0.766568
Ppbp	0.258813	0.694851	1.42479	0.0021585	0.0264878
Sept11_j3	0.668651	0.607565	0	1	1
Fras1_j4	0.106048	0.0259694	-2.02983	0.0299685	1
Anxa3_j1	0.482018	0.0176827	-4.76867	0.0383762	0.217927
Anxa3_j4	0.447432	0.382927	-0.224597	0.750294	0.913315
1700007G11Rik_j1	0.183394	0.0235392	-2.96181	0.220793	0.567669
Bmp3_j1	0.0716649	0.0202579	-1.82278	0.264287	1

2310034O05Rik_j1	0.0874946	0.0710314	-0.300738	0.762588	1
Mrps18c_j1	2.64427	3.27292	0	1	1
Arhgap24	1.89243	1.45533	0	1	1
Arhgap24	1.05524	1.37095	0	1	1
Arhgap24_j4	0.0794033	0.066223	0	1	1
Ptpn13_j4	0.0463259	0.371629	3.00397	2.20E-08	1.42E-06
Ptpn13_j12	1.1543	1.31065	0.183264	0.507921	0.789986
Aff1_j2	0.458154	0.819315	0	1	1
Spp1_j2	0.232933	0.135867	0	1	1
D930016D06Rik_j1	0.302227	0.252839	0	1	1
D930016D06Rik_j4	0.359468	0.407176	0	1	1
D930016D06Rik	0.808939	0.61879	0	1	1
D930016D06Rik_j6	0.136152	0	0	1	1
Gm8258	1.79046	1.90971	0.0930271	0.757894	0.916639
Lrrc8c_j2	2.53551	5.18994	0	1	1
Lrrc8d	10.9817	7.7729	0	1	1
Zfp326_j1	2.70314	2.02797	0	1	1
Cdc7_j5	1.08763	1.14865	0.0787475	0.816717	0.940335
Brdt_j1	0.160889	0.215819	0.423757	0.449287	0.755468
A830010M20Rik_j2	0.84245	0.560536	-0.587784	0.0616855	0.293593
Rpap2_j2	5.20036	5.76885	0.149673	0.25789	0.606586
Rpl5_j6	0.306419	0.465369	0	1	1
Mtf2_j2	0.150705	0	0	1	1
AK141638_j9	3.53363	3.95555	0	1	1
Pde6b_j2	0.145036	0 -1.79769e+308	0.0196154	0.139072	
Idua_j3	0.474663	0.275812	0	1	1
XLOC_025402	0.306696	0.0594775	-2.36639	0.0001872	0.0036316
Zfp605_j2	0.281667	0.165123	0	1	1
Zfp605	0.083089	0.169835	0	1	1
Golga3_j1	0.312754	0.216446	0	1	1
Pole_j1	0.383685	0.236688	-0.696932	0.02768	0.176224
Chek2_j4	0.0797339	0.000887917	-6.48862	0.629217	1
Chek2_j8	0.0792626	0 -1.79769e+308	0.0093894	1	
Chek2_j12	0.0508918	0.203811	2.00173	0.166762	0.503133
Pitpnb_j2	0.185828	0 -1.79769e+308	0.0133857	0.106164	
Usp30_j4	1.01674	0.726403	0	1	1
Usp30_j5	0.642606	0	0	1	1
Ube3b	23.894	22.2876	0	1	1
BC057022_j1	1.77685	2.26626	0.35099	0.113735	0.419374
XLOC_025434	0.0992501	0.0764914	-0.375771	0.670704	1
Sppl3	2.70619	2.56592	-0.0767871	0.716673	0.897711
Sppl3_j6	1.48933	1.59609	0.0998743	0.795988	0.932016
Rplp0	10.0644	4.61881	0	1	1
Rplp0_j5	29.0913	35.2129	0	1	1
Rab35_j3	0.959323	0 -1.79769e+308	0.0003563	0.0061386	
Cit_j3	0.0487935	0 -1.79769e+308	0.0003194	1	
Cit_j12	0.143685	0.01936	-2.89176	0.0066859	0.0635533

XLOC_025450	0.187608	0.117319	-0.677282	0.244911	0.592357
Taok3	0.793445	0.907842	0	1	1
Taok3_j3	4.63675	4.69847	0	1	1
Vsig10_j3	0.158831	0 -1.79769e+308		2.52E-05	0.0006672
Wsb2_j1	0.700957	0.882673	0	1	1
Wsb2_j4	9.09676	17.0969	0	1	1
Nos1_j1	0.218164	0.172921	-0.335299	0.462142	0.763147
Fbxo21_j5	7.68799	7.97525	0	1	1
Tesc_j2	1.1396	0.452623	0	1	1
Tesc_j4	11.6797	9.20075	0	1	1
Oas1b_j2	0.231819	0.362956	0	1	1
Gm15800_j6	0.219315	0.10162	-1.10982	0.0061217	0.0595298
Atxn2_j7	0.178276	0.0968853	0	1	1
Atxn2_j10	0.032727	0.0555642	0	1	1
Fam109a_j3	0.678035	0.543971	0	1	1
Fam109a_j4	1.82012	1.86189	0	1	1
Myl2_j1	0.395998	0.102645	-1.94782	0.190384	0.532443
Hvcn1_j1	1.30544	1.7001	0.381084	0.177364	0.516664
Pptc7_j2	8.25294	5.82642	-0.502299	6.92E-05	0.0015708
Gpn3	8.7023	8.36664	-0.0567482	0.652669	0.867087
P2rx7_j3	0.948085	0.582978	0	1	1
AK079939	0.600722	0.53714	-0.161399	0.673618	0.877015
Setd1b_j1	0.193765	0.319436	0	1	1
Bcl7a_j2	4.73115	4.75102	0.006047	0.964787	0.990042
Kntc1_j2	0.0793069	0 -1.79769e+308		0.0008066	1
Kntc1_j1	0.0892162	0.109073	0.289918	1	1
Kntc1_j4	1.0882	0.960701	-0.17979	0.74525	0.911274
Ccdc62_j2	0.0696374	0.0375914	-0.889458	0.632374	1
Ccdc62_j4	0.0695457	0.103672	0.575991	0.647906	1
Ccdc62_j3	0.109729	0.00440313	-4.63927	0.368754	1
Hip1r_j1	0.45275	0.30522	-0.568867	0.0328522	0.197417
Tctn2_j3	0.126258	0 -1.79769e+308		0.0037277	1
Atp6v0a2_j1	3.24669	3.98851	0.296878	0.0804927	0.345164
Dnahc10_j6	0.163649	0.102079	-0.680913	0.418188	0.735053
Dnahc10_j8	0.0622937	0.0654259	0.0707766	0.969276	1
Zfp664_j1	28.0924	31.2515	0	1	1
Aacs_j1	0.0652448	0	0	1	1
XLOC_025526	0.182618	0.273381	0.58208	0.291893	0.638801
XLOC_025526	0.347661	0.603009	0.794496	9.19E-05	0.0019973
Glt1d1_j2	0.402038	0.239003	0	1	1
Ran_j2	3.6645	3.34078	0	1	1
XLOC_025532	0.128369	0.0904241	0	1	1
Srsf8_j5	1.65748	1.64903	0	1	1
Srsf8_j4	2.64961	2.44608	0	1	1
Cct6a_j7	2.9559	4.6549	0.655154	0.0005342	0.0086228
Cct6a_j6	0.230162	0.432916	0.911437	0.100099	0.391665
Cct6a_j5	0.27429	0.423471	0.626558	0.0738349	0.327499

Vkorc1l1_j1	12.9079	9.99503	0	1	1
Rabgef1_j3	4.33253	5.38547	0	1	1
Caln1_j3	0.159279	0	0	1	1
Gtf2ird2_j5	2.09736	2.03692	0	1	1
Mlxipl_j1	0.0732361	0 -1.79769e+308	0.0707987		1
Por_j1	0.0807133	0	0	1	1
Por_j5	0.103362	0.0448775	0	1	1
2900083l11Rik_j5	0.826575	0 -1.79769e+308	3.42E-08	2.12E-06	
2900083l11Rik_j6	1.29217	1.36539	0.0795116	0.75388	0.915071
2900083l11Rik_j8	1.0538	0.392713	-1.42406	0.0527628	0.266888
Zp3_j1	0.0957818	0.0911751	-0.0711124	0.951667	1
Dtx2_j2	1.18387	1.75034	0	1	1
Rasa4_j1	2.10895	2.27624	0.110128	0.610325	0.846502
Alkbh4_j1	0.100744	0.0292936	-1.78204	0.254328	1
4933404O12Rik	1.24415	1.00688	-0.305262	0.117794	0.427133
Fis1_j1	0.517108	0.213988	-1.27294	0.314619	0.658749
Vgf_j1	0.599403	1.69786	1.50212	1.16E-05	0.00035
Ache_j3	14	9.67838	0	1	1
Gigyf1_j1	0.613752	0.643601	0.0685093	0.817833	0.940908
Gigyf1_j3	0.758011	0.501801	-0.595103	0.061741	0.293749
Gigyf1_j2	2.13602	1.89896	-0.169719	0.352139	0.689187
Gigyf1_j5	0.273943	0.25972	-0.076915	0.893851	0.966325
Act16b_j2	1.00689	0.478837	0	1	1
Trfr2_j4	0.59591	0.544441	-0.130318	0.70781	0.893525
Trfr2_j1	0.150856	0.171448	0.184605	0.761614	0.917949
XLOC_025595	0.118804	0.0715859	0	1	1
BC055004_j2	0.0755752	0 -1.79769e+308	0.0088057		1
BC055004_j6	0.281447	0.471958	0.745796	0.139609	0.464749
Zfp157_j1	0.0907516	0.0543199	0	1	1
Sun1_j5	0.333176	0.352045	0.0794735	0.874584	0.960128
Sun1_j13	0.0646377	0 -1.79769e+308	0.0186468		1
Eif3b_j2	12.1345	17.4715	0.525891	0.0014648	0.019365
XLOC_025616	0	0.072172 1.79769e+308	0.02491		1
Chst12_j1	25.0464	24.4932	0	1	1
AA881470_j2	0.402411	0.418908	0.0579625	0.903352	0.969103
Amz1_j3	0.094988	0 -1.79769e+308	0.0044907		1
Slc29a4_j2	0.086993	0.0888901	0	1	1
Slc29a4_j3	1.27572	1.83533	0	1	1
Daglb_j1	4.69062	6.71181	0.516922	0.0010761	0.015147
Cyth3_j2	0.183367	0.0955391	0	1	1
Pms2	1.64608	1.3717	0	1	1
Rsph10b2_j3	0.103478	0.0813978	-0.34626	0.797757	1
AK153727_j1	0.180732	0.167814	-0.106991	0.880926	0.962093
Trrap_j13	4.30712	4.09902	-0.0714431	0.602486	0.842947
Arpc1b	4.23465	3.28996	0	1	1
XLOC_025653	0.232102	0 -1.79769e+308	0.0720445		0.322789
Cdk8_j2	0.615982	0.596061	-0.0474273	0.951368	0.985905

XLOC_025661	0.0930638	0.111095	0.255507	0.779489	1
Pan3_j4	0.680615	0.911204	0	1	1
Pomp_j1	70.714	64.0613	0	1	1
Mtus2_j3	3.36342	5.42403	0	1	1
AK138849_j5	0.140396	0.163211	0.217236	0.692881	0.8862
Fry_j5	0.0819385	0.058642	0	1	1
Fry_j4	0.116221	0.0393577	0	1	1
Fry_j9	0.500214	0.138591	0	1	1
Fry_j12	10.0912	7.13795	0	1	1
Kl	0.144426	0.199813	0.468316	0.286137	0.634849
Cdk14_j4	0.467685	0	0	1	1
Cdk14_j6	1.90394	0.464487	0	1	1
Cldn12	0.588561	0.550683	0	1	1
A330021E22Rik_j5	0.228001	0.000773826	-8.20281	0.346191	0.685447
A330021E22Rik_j6	0.0800229	0 -1.79769e+308		0.0012607	1
A330021E22Rik_j7	0.111115	0.143927	0.373286	0.549232	1
Steap2	0.884651	0.6448	0	1	1
Crot_j1	8.90809	12.759	0	1	1
Dmtf1_j4	0.768189	1.03718	0	1	1
Dmtf1_j3	0.817868	0.705788	0	1	1
XLOC_025706	4.67405	7.50628	0.683423	0.054331	0.271902
XLOC_025706	4.51239	4.58334	0.0225075	0.952255	0.986195
Cd36	0.0684681	0.0254474	-1.42792	0.360345	1
Gnai1_j3	0.16742	0	0	1	1
Phf2_j2	0.183134	0.0694082	-1.39972	0.0742339	0.328448
Rsb1_j1	1.33314	1.40065	0	1	1
Orc5_j1	4.43071	0.896373	-2.30537	4.82E-12	6.19E-10
Orc5_j3	0.384286	0.74351	0.952171	0.131102	0.450672
Srp2_j3	3.61546	3.77993	0	1	1
Pus7_j1	0.464353	0.446827	-0.0555061	0.912365	0.972389
Pus7	0.535909	0.611601	0.190603	0.567672	0.824883
Prkag2_j3	13.8159	8.91971	0	1	1
Mil3_j10	0.169531	0.0305215	-2.47365	0.0002506	0.0046309
Mil3_j11	0.155694	0 -1.79769e+308		1.65E-14	3.06E-12
Pax1_j8	0.558734	1.10824	0	1	1
Pax1_j2	0.169486	0.272985	0	1	1
Lmbr1_j1	0.212668	0.128985	-0.721395	0.218356	0.564799
Lmbr1_j3	2.16319	1.85649	-0.220583	0.218463	0.564868
Tyms_j3	0.126727	0.0723443	-0.808773	0.578221	1
Hadha_j3	7.81589	7.15855	0	1	1
Mpv17_j2	0.147794	0.219052	0	1	1
Gtf3c2_j8	0.120006	0.0414487	0	1	1
Ift172_j1	0.784531	0.737698	0	1	1
Ift172_j6	0.86744	1.69903	0	1	1
Fndc4_j1	9.31619	13.4457	0	1	1
Supt7_j1	4.1171	4.20077	0	1	1
Pisd_j5	2.60736	4.46355	0	1	1

C330019G07Rik_j3	0.366031	0.143162	0	1	1
Ctbp1_j3	0.525358	0	0	1	1
Fam53a_j3	0.251936	0 -1.79769e+308	0.0005299	0.008558	
Slbp_j1	4.48897	4.6644	0.0553044	0.817721	0.940908
Letm1_j1	3.53025	4.09171	0	1	1
Letm1_j4	0.0657203	0	0	1	1
Poln_j7	0.35216	0.444249	0.335135	0.558933	0.820295
Zfyve28	2.53235	2.05689	0	1	1
Tnip2_j3	0.0891012	0.0284845	-1.64527	0.124763	1
Mfsd10	2.89755	2.74252	0	1	1
Mfsd10_j2	3.69916	3.78433	0	1	1
XLOC_025802	0.224424	0.0655612	-1.77532	0.0109283	0.0913896
Htra3_j3	0.166594	0.261844	0.652368	0.337942	0.678515
Sh3tc1_j7	0.111658	0.0639087	-0.805002	0.353122	1
Msx1	0.152501	0.184135	0.271941	0.662539	0.872069
Nsg1_j3	49.6414	76.9923	0.63317	1.05E-11	1.28E-09
Zbtb49	0.209605	0.0840602	-1.31818	0.0375508	0.21489
Zfp509	0.365134	0.248996	-0.552302	0.14576	0.473736
Wdr1_j7	0.609734	0.417065	0	1	1
Zfp518b_j2	0.440279	0.30386	0	1	1
Rab28_j1	10.2692	8.77765	-0.226414	0.155813	0.489025
Rab28_j5	0.212137	0 -1.79769e+308	0.037854	0.215994	
Bod1l_j1	0.687844	0.522431	-0.396841	0.405324	0.727023
Bod1l_j3	0.0834426	0.0437658	-0.93098	0.15077	1
Bod1l_j2	0.191015	0 -1.79769e+308	8.14E-14	1.36E-11	
Fgfbp1	0.212843	0.0322501	-2.72242	0.115235	0.422201
Prom1_j4	0.425698	0 -1.79769e+308	3.73E-07	1.72E-05	
Prom1_j5	0.187217	0.210971	0.172335	0.759466	0.91718
Ldb2	4.36945	3.24349	0	1	1
Qdpr_j4	0.0542627	0.0598041	0	1	1
Fam184b_j1	0.597408	1.65174	1.4672	6.90E-05	0.001569
Lcorl_j1	0.472818	0.602378	0	1	1
Lcorl	0.291453	0.078921	0	1	1
Lcorl	1.31133	1.1664	0	1	1
Kcnip4_j2	5.80346	4.31241	-0.428417	0.084626	0.35511
Gpr125_j1	0.512526	0	0	1	1
Gpr125_j2	0.179678	0	0	1	1
Sepsecs_j1	0.0852496	0	0	1	1
Sel1l3_j3	0.474254	0.150187	0	1	1
Arap2_j2	0.125209	0.0696112	0	1	1
Arap2_j3	1.5908	0.912181	0	1	1
Rfc1_j2	0.955843	0.972362	0	1	1
Apbb2_j1	0.155443	0.0983905	0	1	1
Apbb2_j2	0.961941	0.704314	0	1	1
Atp8a1_j6	18.5226	17.9196	0	1	1
Kctd8_j4	14.8687	12.2172	-0.283375	0.0540695	0.271004
Kctd8_j8	0.0788187	0.0194598	-2.01804	0.217561	1

Corin_j2	0.0571418	0.281199	2.29897	0.0128532	0.103285
Nfxl1_j3	0.42567	0.523594	0.298714	0.60658	0.845067
Gm5868_j1	0.0835078	0 -1.79769e+308		0.0468839	1
Gm5868	0.369183	0.128872	-1.5184	0.120544	0.432452
Tec	0.226396	0 -1.79769e+308		5.04E-05	0.0012007
Fryl_j1	0.727835	0.535701	0	1	1
Fryl	0.900732	0.997682	0	1	1
Fryl_j2	0.703284	0.17107	0	1	1
Kdr_j1	1.83124	1.62392	-0.173338	0.47791	0.77269
Clock	0.349242	0.343399	-0.0243448	0.913508	0.972842
Igfbp7_j1	1.60467	1.89033	0.236368	0.240648	0.588061
Cenpc1_j6	0.455412	0.142826	0	1	1
Uba6_j1	0.123832	0.101987	0	1	1
Grsf1	18.9691	18.9157	0	1	1
Cox18	5.19829	5.78013	0.153065	0.405287	0.726998
Ankrd17_j4	2.07776	1.81818	0	1	1
Ankrd17_j3	3.10524	2.79503	0	1	1
Rassf6	0.496775	0.36228	-0.455487	0.332067	0.673491
Btc	0.226432	0.285373	0.333769	0.364793	0.698781
Cdkl2_j3	0.779236	0.751382	0	1	1
G3bp2_j6	0.501899	0.228921	0	1	1
G3bp2_j7	20.3039	17.2384	0	1	1
Ppef2_j2	0.199456	0.301944	0.598207	0.497882	0.783786
Ppef2_j4	0.0860028	0.0473306	-0.86161	0.521033	1
Sdad1_j1	2.19973	2.27747	0.0501011	0.794881	0.931484
Cxcl11_j1	0.135243	0.128893	0	1	1
Nup54_j1	1.49719	1.18063	0	1	1
Antxr2_j3	5.54813	4.67273	0	1	1
Antxr2_j7	0.0923789	0	0	1	1
Antxr2_j10	3.08512	4.45248	0	1	1
Rasgef1b	0.647933	0.34167	-0.923243	0.0380396	0.216694
Rasgef1b_j6	0.1576	8.43E-05	-10.8686	0.90781	0.970964
Rasgef1b_j7	0.196589	0.475117	1.2731	0.0108541	0.0908619
Hnrpd1_j4	8.08359	6.46564	-0.322203	0.013909	0.108967
Tmem150c_j3	11.8149	14.1859	0	1	1
5430416N02Rik_j1	1.5971	1.77305	0.150773	0.623551	0.852956
Coq2_j1	7.89701	2.37454	0	1	1
Helq_j4	0.444033	0.324837	-0.450952	0.330247	0.672178
AK133807_j1	0.0769757	0.108101	0.489906	0.526616	1
Wdfy3_j2	1.00601	0.765856	-0.393496	0.0720583	0.322792
Mapk10_j8	0.127271	0.0654603	0	1	1
Klhl8_j5	0.722831	0	0	1	1
Sparcl1_j3	11.8523	15.0392	0	1	1
Gbp4_j2	0.16169	0.0574167	-1.49369	0.0587727	0.284969
Mpa2l	0.839713	0.761007	-0.141987	0.63314	0.85746
Zfp644_j1	0.327613	1.00868	0	1	1
Zfp644	3.19723	0.358493	0	1	1

Hfm1_j1	0.0539773	0	-1.79769e+308	0.0193866	1
Hfm1_j2	0.153981	0	-1.79769e+308	7.98E-07	3.42E-05
XLOC_025977	0.0932611	0	-1.79769e+308	0.0020658	1
XLOC_025977	0.277301	0	-1.79769e+308	5.07E-08	2.97E-06
XLOC_025977	0.0922576	0.0571249	-0.691548	0.495539	1
Evi5_j1	15.0677	12.4035	0	1	1
Mfsd7a_j4	0.333081	0.18209	-0.871223	0.170522	0.507473
Cplx1_j2	0.451674	0.374506	-0.270292	0.47456	0.770688
Gak_j1	11.5702	15.0816	0	1	1
Gak_j2	1.07145	0.814981	0	1	1
Gak_j3	3.37611	2.91357	0	1	1
Crlf2	4.36374	5.96743	0.451545	0.0158168	0.119309
Gtpbp6_j6	0.740283	0.689592	0	1	1
Gtpbp6_j7	1.69424	1.97384	0	1	1
Gtpbp6_j8	0.165677	0.121991	0	1	1
Pgam5	8.39805	10.3998	0	1	1
Pgam5_j1	0.193889	0.159809	0	1	1
Fbrsl1_j7	1.51777	1.89576	0.320821	0.125377	0.441136
Ep400_j5	4.22595	5.60874	0.408401	0.0063296	0.061076
Ep400_j10	1.65586	1.52059	-0.122943	0.631058	0.8565
Ep400_j14	0.452063	0.335691	-0.429389	0.206472	0.55102
Ulk1_j5	1.54991	1.22551	0	1	1
AK087393_j1	0.164802	0.0946595	-0.799915	0.409954	0.730025
AK087393_j3	0.131445	0.0702463	-0.903967	0.277677	1
Miat	2.37004	2.29956	0	1	1
Miat_j7	3.98588	11.8913	0	1	1
Miat_j10	1.20268	1.28511	0	1	1
Miat_j6	17.1074	20.9715	0	1	1
Cryba4_j3	0.0859211	0	-1.79769e+308	0.0556714	1
Asphd2_j1	0.139517	0	0	1	1
Sez6l_j7	1.6891	4.26082	0	1	1
Adrbk2_j2	0.217686	0.215522	0	1	1
Adrbk2_j1	0.606428	0.000407147	0	1	1
Crybb2_j1	0.23193	0.15847	-0.549478	0.381166	0.711771
Crybb3_j2	0.895324	1.55834	0.799525	0.0570167	0.279743
2900026A02Rik_j4	0.273071	0.368055	0.430647	0.124183	0.439139
Cmklr1_j1	0.204744	0	-1.79769e+308	1.92E-05	0.000537
Sart3_j6	1.76449	2.24631	0	1	1
Coro1c_j4	0.739976	0.118912	0	1	1
Kctd10_j2	7.24674	9.55978	0	1	1
Trpv4_j4	0.0630125	0	-1.79769e+308	0.0146634	1
Trpv4	0.159379	0.0456995	-1.80221	0.096151	0.382865
Git2_j8	0.330762	0	0	1	1
Git2_j10	1.07277	0.755731	0	1	1
Git2	2.45133	3.02633	0	1	1
2610524H06Rik_j1	21.7393	23.6197	0	1	1
XLOC_026040	0.260577	0.209183	-0.316944	0.586101	0.834297

XLOC_026040	0.178117	0.172746	-0.0441707	0.969877	0.99148
Gm13826_j1	5.19396	11.3471	1.12742	1.09E-11	1.31E-09
Mlec_j2	0.146421	0.0885151	0	1	1
Cabp1_j3	5.6474	3.98397	0	1	1
Rnf10_j5	2.39375	0	0	1	1
Sirt4_j1	0.128466	0.336492	1.38919	0.0505952	0.260426
Sirt4_j5	0.487148	0.416513	-0.225999	0.650788	0.86597
Prkab1_j3	0.0477739	0	0	1	1
Tmem233_j5	1.05565	0.875939	0	1	1
Tmem233	74.0316	64.6065	0	1	1
Srrm4_j4	0.17321	0.190741	0	1	1
Pebp1_j1	0.197317	0.236366	0.260506	0.802679	0.934384
Pebp1	6.66739	7.86351	0.238051	0.219346	0.56589
Fbxw8_j5	8.89122	13.1143	0	1	1
Rnft2_j9	1.917	2.50793	0	1	1
Rnft2_j3	2.18587	2.05913	0	1	1
Rnft2_j4	1.74424	0.867071	0	1	1
XLOC_026065	0.152333	0.096736	-0.655105	0.464276	0.764619
Sdsl_j2	0.119445	0	-1.79769e+308	0.0129451	1
Tpcn1_j3	4.10475	3.0945	0	1	1
Oas2_j3	0.115535	1.57E-05	-12.8421	0.968103	1
Rph3a_j1	0.571819	0.132424	0	1	1
Rph3a_j2	1.46536	0	0	1	1
Trafd1_j1	0.161133	0.017758	-3.18171	0.0703288	0.318545
Trafd1_j3	0.047652	0	-1.79769e+308	0.0350542	1
Cux2_j9	0.162501	6.49E-05	-11.2904	0.822054	0.942583
Cux2_j10	1.42025	0.715484	-0.989158	3.09E-06	0.0001115
Ccdc63_j2	0.0680688	0.0600818	-0.180065	0.877737	1
Rad9b_j1	0.321809	0.130883	-1.29792	0.0330868	0.198267
1500011H22Rik_j1	21.6245	21.5975	-0.0018007	0.991756	0.997561
Atp2a2	46.4127	35.5863	0	1	1
Ift81_j4	1.29246	1.42854	0.144417	0.653275	0.867396
Anapc5_j4	0.5536	0.658731	0	1	1
Kdm2b_j13	0.951598	0.680954	-0.482795	0.120729	0.432763
AI480526_j1	1.21831	0.970576	-0.327968	0.156033	0.489534
Diablo_j1	0.378988	0.251171	0	1	1
Clip1_j7	0.108658	0	0	1	1
Clip1	0.825761	0.714923	0	1	1
Rsrc2	5.27105	7.1516	0	1	1
Abcb9_j1	4.0642	3.54626	0	1	1
Mphosph9_j9	0.261532	0.147143	0	1	1
Ccdc92_j8	0.303183	0.230822	0	1	1
Ccdc92_j9	7.66747	6.65195	0	1	1
Ncor2_j11	12.1467	13.6649	0.169915	0.167492	0.504072
Ncor2_j13	0.576942	0.761439	0.400304	0.105931	0.404127
Ncor2_j14	1.12857	1.01199	-0.157305	0.414826	0.73287
Ubb_j1	189.112	186.101	0	1	1

Dhx37_j2	0.95553	0.664158	-0.524774	0.328983	0.671315
XLOC_026130	0.176311	0	-1.79769e+308	0.0011516	0.0160008
Slc15a4_j4	0	0.225929	0	1	1
Slc15a4_j7	0.55174	0	0	1	1
Slc15a4_j6	1.69689	2.71276	0	1	1
5930412G12Rik_j5	0.106547	0.117199	0.137467	0.879421	1
Rimbp2_j10	0.197134	0.149131	0	1	1
Rimbp2_j11	0.628375	0.335451	0	1	1
Auts2_j9	0.117342	0	0	1	1
Auts2_j10	1.27262	0.919788	0	1	1
Auts2_j11	0.276359	0	0	1	1
Auts2_j12	0.551796	0	0	1	1
Gtf2i_j6	0.359975	0.850905	0	1	1
Gtf2i_j3	4.92246	7.26428	0	1	1
Gtf2ird1_j4	1.1941	1.28349	0	1	1
Gtf2ird1_j5	0.815408	1.32298	0	1	1
Gtf2ird1_j7	0.352703	0.184185	0	1	1
Lat2_j2	0.0475854	0.0420461	-0.178547	0.917316	1
Lat2_j3	0.0585838	0.0583281	-0.00631039	0.996203	1
Lat2	0.186978	0.593514	1.66641	0.0011388	0.0158644
Limk1_j3	4.77069	7.18784	0.591361	0.0029012	0.0335238
XLOC_026158	0.101045	0.082775	-0.287732	0.846884	1
Eln_j3	0.106005	0.0575975	-0.88006	0.373467	1
Eln_j4	0.107891	0.0533067	-1.01719	0.271847	1
Wbscr25_j1	0.173385	0.0849886	-1.02864	0.270649	0.619795
Pom121_j2	4.74005	4.86436	0	1	1
Hip1_j1	1.85389	0.515903	0	1	1
Ccl24	0.119878	0.106769	-0.167072	0.833301	1
Sh2b2_j2	0.0873371	0	-1.79769e+308	0.0049009	1
Cux1_j1	0.0818757	0	0	1	1
Emid2_j1	0.177228	0.102358	-0.791985	0.389666	0.716747
Emid2_j2	0.081144	0	-1.79769e+308	0.0087548	1
Znhit1_j1	9.4378	8.99104	0	1	1
Gnb2_j4	0.00945168	0.0623499	2.72174	0.0619991	1
Agfg2_j4	1.80465	1.2969	0	1	1
Pilrb2_j1	0.237363	0.111338	-1.09216	0.418529	0.735334
Gjc3_j1	3.90319	2.22236	0	1	1
BC037034_j7	1.05781	1.7223	0.70326	0.0222886	0.151988
Gpc2_j8	0.0972629	0.257463	1.4044	0.0479149	0.251648
Prkar1b_j4	2.09412	0.806552	0	1	1
Adap1_j1	7.92739	15.0479	0	1	1
Adap1_j2	58.3111	54.6164	0	1	1
Ints1_j1	7.36957	7.22581	0	1	1
Ints1_j2	0.431829	0.3248	0	1	1
XLOC_026221	0.0858876	0.0855594	-0.00552229	0.995165	1
XLOC_026221	0.0762743	0	-1.79769e+308	0.0103681	1
Ttyh3_j4	5.47525	4.98724	0	1	1

lqce	0.070432	0.0862202	0.291796	0.671363	1
Card11_j8	0.14176	0.179917	0.343887	0.505111	0.788062
Tnrc18_j2	0.940289	0.343862	0	1	1
Zfp316_j1	0.168801	0.125399	-0.428806	0.382898	0.712805
Zdhhc4_j5	4.17581	4.39307	0	1	1
Rac1_j1	19.5028	10.8036	0	1	1
Baiap211_j1	2.27172	1.71083	-0.409091	0.0008848	0.0129752
Tmem130_j2	13.8662	13.6945	0	1	1
Tmem130_j3	5.60308	9.25247	0	1	1
Tmem130_j4	26.5392	23.3667	0	1	1
Zkscan14_j3	1.4039	1.82111	0.375376	0.148684	0.477528
Usp12_j3	2.80345	12.0718	0	1	1
Lnx2	0.454445	0.598664	0	1	1
Ubl3_j1	2.9315	0.873816	0	1	1
Ubl3_j3	3.83177	2.69983	0	1	1
Katnal1_j4	1.11935	2.59814	0	1	1
Gm15411	0.373726	0.17372	-1.10522	0.411446	0.730688
Gm15411_j1	0.239164	0 -1.79769e+308	0.0009318	0.0135135	
Hsph1	0.101878	0.115126	0	1	1
N4bp211	0.423799	0.506123	0.256109	0.343661	0.683672
N4bp212	3.69085	4.1015	0.152199	0.390305	0.717218
Stard13_j2	2.51741	1.70297	0	1	1
Stard13_j8	0.073908	0	0	1	1
Cdk6_j2	0.0816766	0.177825	1.12246	0.169564	0.506541
Krit1_j1	0.798337	0.623813	0	1	1
Akap9_j2	0	0.201669	0	1	1
Slc25a40_j9	0.000360012	0.939961	11.3503	0.735314	0.906704
4930420K17Rik_j1	2.37173	2.13553	0	1	1
XLOC_025095	0.368906	0.450636	0.288711	0.692132	0.886057
Speer1-ps1_j1	0.143741	0.282431	0.974424	0.233414	0.580722
XLOC_025099	6.40423	6.36831	-0.00811464	0.970501	0.991645
XLOC_025101	13.759	17.8867	0.378518	0.0250006	0.164296
Pclo_j7	1.40478	1.19475	0	1	1
Pclo_j9	5.90515	4.20475	0	1	1
Hgf_j3	0.961976	0.890489	-0.111403	0.632652	0.857248
Magi2_j10	0	0.198064 1.79769e+308	0.0006604	0.0102517	
Pion_j1	0.119362	0.102576	0	1	1
Armc10_j4	4.96162	5.65755	0.189367	0.261666	0.610795
Lhfpl3_j5	3.9276	3.52244	0	1	1
Lhfpl3_j4	9.31774	9.75491	0	1	1
Chpf2_j1	8.14304	9.36732	0.20207	0.0889464	0.365503
Nub1_j1	1.39304	0.377342	0	1	1
4831440E17Rik	0.352214	0.35352	0.00533792	0.985683	0.995737
Gm7361_j4	0	0.070342 1.79769e+308	0.0364352	1	
Gm7361_j3	0	0.106651 1.79769e+308	0.009567	1	
Gm7361	0.0779211	0.340235	2.12645	0.0012999	0.0176389
Dpp6_j6	54.0117	51.8797	0	1	1

9530036O11Rik_j3	2.91E-05	0.309178	13.3732	0.978574	0.993756
9530036O11Rik_j2	0	0.147963	1.79769e+308	0.0422435	1
9530036O11Rik_j1	0.519041	0.313565	-0.727084	0.202444	0.546078
9530036O11Rik_j5	0.163674	0.188811	0.206117	0.775058	0.923761
Rnf32	0.0905465	0.193893	1.09853	0.0627971	0.296803
Dnajb6_j1	0.219091	0.208911	-0.0686417	0.920719	0.975195
Il6	0.148895	0.565082	1.92417	0.010207	0.0868023
Il6_j1	0	0.40149	1.79769e+308	0.0008749	0.0128487
Hadhb_j2	2.90273	2.5105	-0.209435	0.195507	0.537978
Ept1_j3	0	0.0501753	0	1	1
Ept1_j2	0.163206	0.351897	0	1	1
Gm1060_j4	0.010098	0.117848	3.54479	0.11854	1
Tmem214_j4	27.8542	24.5725	-0.18085	0.0416966	0.230393
Tmem214_j5	2.31328	2.4814	0.101218	0.394455	0.719811
Trim54_j1	0.0825429	0.440024	2.41437	0.0003156	0.0055714
Snx17_j5	0.424842	0.434131	0	1	1
Nrbp1_j4	0.159992	0.205097	0	1	1
Zfp512_j2	0.315088	0.205637	0	1	1
Zfp512_j6	0.256873	0.320628	0	1	1
Bre_j2	0.604763	1.07708	0	1	1
Bre_j3	21.096	20.1868	0	1	1
Yes1_j1	1.87901	1.99048	0.0831429	0.670236	0.875235
Depdc5_j9	0.833401	0.282756	-1.55945	3.76E-05	0.000936
Depdc5_j10	0.109717	0.951967	3.11713	2.51E-06	9.31E-05
Fgfr3_j1	0.0571659	0.116847	1.03139	0.405472	1
Fgfr3_j4	0.0835061	0.0580198	-0.525334	0.721016	1
Whsc1_j7	0.759777	0.863196	0	1	1
Nat8l_j3	39.2354	39.825	0	1	1
XLOC_025191	0.107289	0.115483	0	1	1
XLOC_025191	0.0428933	0.0610561	0	1	1
Sh3bp2_j1	0	0.105966	1.79769e+308	0.0167719	1
Sh3bp2_j2	0.0671853	0.205282	1.61139	0.0639589	0.30009
Add1	0.302674	0.336237	0	1	1
Grk4_j5	0.0808368	0.11483	0.506421	0.617396	1
Dok7_j1	0.325498	0.243408	0	1	1
XLOC_025200	0.123551	0.223212	0.853312	0.218925	0.565222
XLOC_025202	0.0806353	0.212699	1.39933	0.0151452	0.115712
Acox3_j4	6.64601	6.71219	0	1	1
Jakmip1_j3	2.51532	2.43712	-0.0455678	0.836102	0.94739
Evc2_j2	0	0.0565943	1.79769e+308	0.0480385	1
Evc2_j3	0.0999461	0.125037	0.323138	0.669607	1
Lyar_j5	0.164622	0.659431	2.00206	0.0198728	0.140203
Cpeb2_j4	11.2773	10.5734	0	1	1
C1qtnf7	0	0.0808385	1.79769e+308	0.0156789	1
Cc2d2a_j7	0.0645241	0.0315244	0	1	1
Bst1	0.0385557	0.0477683	0.30911	0.868894	1
Lap3_j1	10.6396	9.40722	0	1	1

XLOC_025238	0.0216938	0.10311	2.24883	0.352187	1
AK080411_j1	0.192765	0.418049	1.11683	0.001957	0.0245839
Slit2_j2	0.0201359	0.052521	0	1	1
Slit2_j11	0.828679	0.661033	0	1	1
Zcchc4_j2	0.700852	0.462294	-0.600298	0.223134	0.570227
Anapc4_j3	0.119801	0.177253	0.565167	0.562508	0.822198
XLOC_025250	0	1.11147	0	1	1
Tbc1d19_j1	4.59987	7.17509	0	1	1
Stim2_j1	9.15583	11.4525	0.322902	0.0051622	0.0519296
Pcdh7_j6	1.69148	1.57003	0	1	1
Pgm1_j5	0.603304	0.836278	0.471097	0.0777922	0.337705
Klhl5_j2	8.25157	11.2807	0	1	1
Lias_j1	3.0962	3.6962	0	1	1
Ube2k_j1	23.5155	24.7864	0	1	1
N4bp2_j4	0.260827	0.216972	-0.265584	0.702506	0.890965
Uchl1_j6	0.647358	1.87791	0	1	1
XLOC_025277	0.0692552	0.121001	0.805024	0.347086	1
XLOC_025280	0.0167682	0.342472	4.35219	0.184927	0.525175
Atp10d_j2	0.0951586	0.148457	0.641638	0.511542	1
Atp10d_j7	0.0532717	0 -1.79769e+308	0.0096417	0.0096417	1
Nipal1	0.11775	0.169565	0.526115	0.314001	0.658298
Slc10a4_j3	0.113075	0.0719048	-0.653121	0.655796	1
Dcun1d4_j1	1.50559	2.29368	0	1	1
Dcun1d4_j2	6.28406	5.70006	0	1	1
Pdgfra_j2	0	0.0567909	0	1	1
Pdgfra	0.311328	0.251925	0	1	1
Gm7271_j1	21.0577	14.9925	0	1	1
Exoc1_j1	3.92791	3.55726	0	1	1
Exoc1_j4	13.7284	15.7058	0	1	1
Cep135_j2	0	0.108735 1.79769e+308	0.0050736	0.0050736	1
Cep135_j4	0.226636	0.000189797	-10.2217	0.612805	0.847359
C530008M17Rik_j4	0.731707	0.992178	0	1	1
Mthfr-ps1	0.958553	0.793609	-0.272431	0.464763	0.764951
Lphn3_j3	0.0428703	0.100805	1.23352	0.073284	1
Lphn3_j7	0.0636056	0 -1.79769e+308	6.80E-06	6.80E-06	1
Stap1_j1	0.0128691	0.054245	2.07558	0.433676	1
XLOC_025323	0.0627832	0.0834441	0.410432	0.680058	1
Mthfd2l_j4	0.397026	0.456665	0.201901	0.694518	0.887364
Art3_j3	3.90187	3.99443	0	1	1
Art3_j4	0.846712	0.280869	0	1	1
Stbd1_j2	37.9414	35.1267	-0.111204	0.255915	0.604659
Shroom3_j5	2.10419	1.89656	-0.149879	0.539065	0.808324
Mrpl1_j1	3.56789	3.7864	0	1	1
Fras1_j1	0.118499	0.0975114	-0.281229	0.737005	1
Fras1_j2	0.0281167	0.0590308	1.07004	0.151671	1
Anxa3_j3	0	0.598872 1.79769e+308	0.0002994	0.0002994	0.005336
Bmp2k_j3	0.708563	0.503868	-0.491851	0.394408	0.719811

Bmp2k_j5	0.195741	0.408517	1.06145	0.0050663	0.0512081
Prdm8_j2	0.502454	0.236661	0	1	1
Enoph1_j1	12.6979	11.8249	-0.102765	0.456749	0.760049
Mrps18c_j4	4.28952	3.27843	0	1	1
Cds1_j2	0.0647543	0.0707468	0	1	1
Cds1_j5	0	0.0511189	0	1	1
Arhgap24_j2	0	0.684862	0	1	1
Ptpn13_j11	0.536673	0.849403	0.662404	0.025488	0.166511
lbsp_j2	4.09E-05	0.607607	13.858	0.955494	0.987197
Spp1_j1	41.6955	48.2142	0	1	1
D930016D06Rik_j9	1.65906	1.21657	0	1	1
Lrrc8d_j8	0.108193	0.156329	0	1	1
Cdc7_j1	0.312296	0.27281	-0.195018	0.714749	0.896683
Btbd8_j3	0.0977456	0.0440428	-1.15013	0.197448	1
Btbd8_j5	0	0.0933311	1.79769e+308	0.0076971	1
Btbd8_j6	0.22242	0.569511	1.35644	0.0002725	0.0049443
Rpl5_j3	5.60797	5.31746	0	1	1
Mtf2_j3	0.620433	0.536443	0	1	1
AK141638_j2	0.163193	0.245966	0	1	1
Idua_j6	0.843426	0.733258	0	1	1
XLOC_025401	0.114205	0.125687	0	1	1
XLOC_025402	0.283971	0.276994	-0.0358901	0.944652	0.983577
Zfp605_j4	0.598057	0.692672	0	1	1
Chfr_j1	0.437966	0.68522	0.645748	0.0914895	0.371729
Golga3_j2	2.78059	2.41812	0	1	1
Pole_j4	0	0.0613943	1.79769e+308	0.0078218	1
Galnt9_j1	0.147134	0.306189	1.0573	0.109644	0.412055
Galnt9_j2	1.17153	2.7322	1.22167	0.000126	0.0026023
Chek2_j1	0	0.110377	1.79769e+308	0.038046	1
Chek2_j11	0	0.302429	1.79769e+308	0.0025262	0.0300979
Ttc28_j6	0.0572983	0.117898	1.04097	0.0543337	1
Ttc28_j7	0	0.141164	1.79769e+308	1.64E-05	1
Crybb1_j3	0.370356	0.448351	0.275717	0.753926	0.915071
Tfip11_j2	9.83757	9.70901	0	1	1
Hps4_j3	2.87524	3.63702	0	1	1
Wscd2_j2	0	0.0656714	1.79769e+308	0.02374	1
Wscd2_j1	0	0.0656029	1.79769e+308	0.0234393	1
Ficd_j2	0.502452	0.725008	0.529012	0.147693	0.476357
Iscu_j3	0.865285	0.634283	-0.448049	0.263611	0.612408
Iscu_j8	0.252542	0.302696	0.261347	0.788844	0.929526
Acacb_j1	0.0900668	0.100533	0.158599	0.869397	1
Acacb_j10	0.595354	0.470578	-0.339314	0.358167	0.693687
XLOC_025429	0.152349	0.170359	0.161198	0.793593	0.931169
Tchp_j1	0	0.0498966	1.79769e+308	0.0823526	1
Oasl1_j1	0.195374	0.158442	-0.302283	0.734344	0.906333
Sppl3_j8	3.24466	1.52849	-1.08596	0.002201	0.0269135
Pop5	28.7293	35.0337	0	1	1

Pop5_j3	49.1275	63.0274	0	1	1
Gm13830	0.264754	0.203316	-0.380927	0.606658	0.845067
Gm13830_j1	0	0.199624	1.79769e+308	0.0133506	0.105972
Msi1_j3	0.136731	0.212602	0	1	1
Gcn111_j1	0	0.271332	0	1	1
Cit_j4	0.212119	0.212952	0.00565278	0.987164	0.996309
Cit_j14	0.870626	1.22554	0.49329	0.0660277	0.30674
AK049264	0.217978	0.168363	-0.372609	0.612943	0.84737
Taok3_j1	1.03016	0.861954	0	1	1
Vsig10_j2	0.0450319	0.275316	2.61207	0.0003513	0.006069
Ksr2_j2	0	0.136867	1.79769e+308	1.11E-06	1
Ksr2_j5	0	0.190153	1.79769e+308	4.16E-07	1.90E-05
Fbxo21_j4	0	0.0548759	0	1	1
Med13l	1.09553	1.59724	0	1	1
Med13l_j5	0.242152	0.240891	0	1	1
Slc24a6_j1	0.151531	0.26263	0.793423	0.20799	0.552233
Oas1b_j1	0.0413609	0.151227	0	1	1
mKIAA0614_j1	0.971476	0.643712	-0.593761	0.0278301	0.17685
Atxn2_j8	11.9408	11.9128	0	1	1
XLOC_025494	0.0327247	0.0833737	1.34921	0.359349	1
Wdr66_j7	0.115032	0.153057	0.41204	0.678072	1
Ccdc62_j1	9.21302	8.75105	-0.0742171	0.622816	0.852434
Ccdc62_j6	0.216111	0.209619	-0.0439976	0.937278	0.980746
Tmed2_j1	29.4993	29.665	0.00808378	0.937647	0.980969
Tctn2_j2	1.22145	0.762253	-0.680248	0.0353656	0.207183
Dnahc10_j4	0	0.108312	1.79769e+308	0.0530229	1
XLOC_025519	0.140277	0.329042	1.22999	0.0030476	0.0348771
Aacs_j2	0.626126	1.92832	0	1	1
XLOC_025526	0.0445062	0.0556752	0.323028	0.642062	1
XLOC_025527	0.0584332	0.0719167	0.299539	0.844813	1
Fzd10	0.237125	0.445543	0.909919	0.0036289	0.0400522
Ran_j4	1.15762	2.1414	0	1	1
Mmp17_j3	1.05263	1.35565	0	1	1
Mrps17_j2	2.47548	2.34628	-0.0773349	0.777669	0.924833
Cct6a_j2	0.035712	0.252049	0	1	1
0610007L01Rik_j1	7.97938	7.45362	-0.098336	0.603391	0.843376
Wbscr27_j4	0.55538	0.457557	-0.279526	0.635388	0.8586
Mdh2_j2	0	0.260049	1.79769e+308	0.0598191	0.287845
2900083111Rik_j7	0.0546288	0.11629	1.09	0.48988	1
Rasa4_j6	2.67293	1.99341	-0.423184	0.13797	0.461744
XLOC_025579	0.445871	0.927888	1.05733	4.55E-07	2.06E-05
Vgf_j5	0	0.190615	1.79769e+308	0.0206194	0.143907
Actl6b_j4	3.03098	3.67567	0	1	1
BC055004_j3	0	0.204329	1.79769e+308	4.24E-05	0.001037
0910001L09Rik_j1	0.341702	0.334047	-0.0326884	0.923893	0.976306
Stag3_j4	0.0532331	0.104155	0.968339	0.483051	1
Sun1_j7	1.98496	1.29651	-0.614475	0.0094203	0.0819942

Sun1_j8	1.26355	1.23351	-0.0347153	0.887195	0.964184
Gpr30_j2	0	0.0869936	0	1	1
C330006K01Rik_j1	1.56602	1.83681	0	1	1
Slc29a4_j4	11.6819	14.8805	0	1	1
Fscn1_j2	3.44574	18.3374	0	1	1
Zfp12_j2	0.770985	0.816349	0.082483	0.749269	0.912938
Grid2ip_j1	0.00261674	0.221021	0	1	1
Grid2ip_j2	0.428655	0.244638	0	1	1
AK005905_j1	2.12238	1.7491	-0.279065	0.183005	0.523488
Rsph10b2_j4	0.062115	0.0833178	0.423683	0.672058	1
Lmtk2_j1	1.14561	0.605419	0	1	1
Nptx2_j1	44.8698	44.5644	-0.00985293	0.915845	0.973762
XLOC_025644	0.148421	0.272447	0.876276	0.335973	0.676511
Trrap_j1	0.32266	0.273633	-0.237771	0.396733	0.721313
Trrap_j9	0.0890738	0.131327	0.560089	0.305168	1
Trrap_j10	0.0276119	0.0861209	1.64108	0.0467097	1
Trrap_j15	1.72439	1.96315	0.187083	0.451598	0.756717
Zkscan5_j2	0.946005	1.56153	0	1	1
Zfp498_j1	0.399598	0.701778	0.812466	0.0320029	0.193988
Cdk8_j7	0.842749	1.85471	1.13802	0.284292	0.632916
Cdk8_j10	9.18237	9.40259	0.0341908	0.797225	0.932581
Pan3_j5	2.30205	2.26543	0	1	1
Pan3_j9	3.14545	3.18639	0	1	1
Mtus2	0.29459	0.258552	0	1	1
Uspl1_j1	1.57732	2.86705	0	1	1
Uspl1_j2	1.33657	0.985754	0	1	1
Alox5ap_j4	0	0.052126	1.79769e+308	0.189781	1
6330406l15Rik_j3	1.12978	0.690708	-0.709901	0.0406743	0.226309
Fry_j1	0	0.148751	0	1	1
Fry_j6	0.567418	0.798082	0	1	1
Fry_j10	1.61553	1.37531	0	1	1
Brca2_j4	0.15303	0.177302	0.212392	0.830414	0.945392
Brca2_j5	0.217342	0.343198	0.659069	0.20096	0.544315
Ankib1_j1	3.55547	2.66074	0	1	1
Cdk14_j2	2.63261	0.685152	0	1	1
A330021E22Rik_j9	0.498509	0.698868	0.4874	0.164613	0.500613
A330021E22Rik_j8	0	0.620451	1.79769e+308	9.51E-08	5.14E-06
Steap2_j6	0.391547	0.433165	0	1	1
Gm17019_j3	0.0792263	0.229177	1.53241	1	1
Gm9758_j1	0.0364484	0.780559	4.42058	0.112464	0.41729
Gm3510_j1	0.0808364	0.157455	0.961866	0.40768	0.728185
Cd36_j4	0	0.125926	1.79769e+308	0.0122324	1
AK046351_j1	0	0.100408	1.79769e+308	0.0014797	1
Ptpn12_j4	1.17921	2.31003	0	1	1
Orc5_j4	0	1.59393	1.79769e+308	9.47E-06	0.0002963
A930003O13Rik_j4	0.0371708	0.0718405	0.950628	0.381615	1
Srpk2_j1	0.553653	0.455606	0	1	1

Fam126a_j4	0.0023237	0.0663042	0	1	1
Fam126a_j5	0.293417	0.229025	0	1	1
Atg9b_j2	0.932017	1.08714	0.222113	0.404199	0.72669
Tmub1_j1	0	0.358002	1.79769e+308	0.0091539	0.0802424
Wdr86_j1	0	0.166893	1.79769e+308	0.0242372	0.160803
Crygn_j1	0.147069	0.187371	0.349402	0.622762	0.852408
Mll3_j6	2.3952	2.22395	-0.107021	0.536886	0.8071
Mll3_j5	3.14613	3.45661	0.13578	0.354824	0.690914
Mll3_j8	0	0.0920505	1.79769e+308	5.09E-05	1
Mll3_j9	0.0992973	0.123226	0.311476	0.37997	1
Tyms_j4	0.0301973	0.147513	2.28835	0.167285	1
Hadha_j4	35.0907	37.2923	0	1	1
Slc5a6_j1	5.95665	5.74373	-0.0525137	0.744833	0.910906
Slc5a6_j5	0.312408	0.524158	0.746569	0.206269	0.550755
Gtf3c2_j4	2.81085	1.35225	0	1	1
Gtf3c2_j7	2.95404	2.58894	0	1	1
Gtf3c2_j12	6.92265	6.2715	0	1	1
Eif2b4_j1	15.9405	17.8898	0	1	1
Ppm1g_j2	0.0583931	0.103729	0	1	1
Ppm1g_j1	0.149115	0.198722	0	1	1
Ift172_j4	0.747705	0.795915	0	1	1
C330019G07Rik_j1	2.78744	2.49178	0	1	1
C330019G07Rik_j2	0.00141832	0.490719	0	1	1
Ctbp1_j1	11.3453	19.9653	0	1	1
Fam53a_j1	1.35882	1.63714	0.268824	0.334238	0.675055
Poln_j6	0.038885	0.580752	3.90064	0.0124115	0.100666
Mxd4_j2	0.161369	5.8674	0	1	1
Htra3	0.265816	0.171565	-0.631675	0.402697	0.725892
Sh3tc1_j2	5.09E-05	0.160738	11.6243	0.925129	0.976765
Evc_j2	0	0.0721407	1.79769e+308	0.0164454	1
Slc2a9_j2	0.13907	0.162253	0.222433	0.770288	0.921804
Wdr1_j8	0.0832263	0.219415	0	1	1
Zfp518b_j1	0	0.197889	0	1	1
XLOC_025828	0.258895	0.264743	0.0322256	0.967336	0.990716
Rab28_j4	11.4047	10.1391	-0.169693	0.411329	0.730655
Prom1_j6	0.166396	0.319959	0.943265	0.0518202	0.263999
Tapt1_j1	4.09494	5.12847	0	1	1
Ldb2_j2	1.96374	4.84334	0	1	1
Qdpr_j3	0	0.814251	0	1	1
Kcnp4_j2	0	2.39098	0	1	1
Ppargc1a_j1	1.78916	1.5429	0	1	1
Sepsecs_j3	0.606393	0.985904	0	1	1
Sel1l3_j1	6.0437	7.55428	0	1	1
Sel1l3_j2	0.782327	1.55082	0	1	1
Cckar_j4	0	0.194781	0	1	1
Cckar_j3	0.0680706	0.122809	0	1	1
Rell1_j1	1.38621	0.990765	-0.48453	0.137521	0.461289

Rfc1_j7	0	0.0659714	0	1	1
Ugdh_j3	6.85037	9.71595	0	1	1
1110003E01Rik_j1	23.5003	26.8916	0	1	1
1110003E01Rik_j2	28.5302	27.4826	0	1	1
Pds5a_j7	1.54196	1.50168	0	1	1
Pds5a_j8	0.0626239	0.273325	0	1	1
Apbb2_j4	6.61688	6.36486	0	1	1
Kctd8_j5	0.117382	0.0905687	-0.374132	0.786888	1
Kctd8_j6	0	0.101936	1.79769e+308	0.0953986	1
Gabra2_j5	0.128679	1.05334	0	1	1
Gabra2_j6	0.0940218	0.65067	0	1	1
Gabra4_j1	0	0.0984156	1.79769e+308	0.0113573	1
Nfxl1_j1	0.506862	0.494728	-0.0349573	0.959087	0.988313
Tec_j1	0	0.538625	1.79769e+308	1.30E-05	0.0003878
Scfd2	2.1842	1.8348	-0.251484	0.368165	0.701587
Kdr_j2	0	0.0585127	1.79769e+308	0.01392	1
Clock_j1	2.0932	1.60073	-0.386981	0.0087813	0.0777821
AASDH_j4	0.735058	0.656104	0	1	1
XLOC_025899	0	0.202035	1.79769e+308	0.0011727	0.0162438
Epha5_j1	0.564806	0.682317	0.272688	0.254057	0.602373
Epha5_j9	0.55451	0.995514	0.844227	0.0033938	0.0380125
Cenpc1_j1	0.151346	0.160373	0	1	1
Uba6_j3	5.96301	6.76897	0	1	1
Ankrd17_j5	0.0277779	0.254302	0	1	1
XLOC_025917	0.00587156	0.139723	4.57269	0.433456	1
Rassf6_j6	0	0.0759048	1.79769e+308	0.0663555	1
Rchy1_j2	0.153013	0.125171	-0.289751	0.831932	0.945814
G3bp2_j4	0.438074	4.87259	0	1	1
Ppef2_j3	0.0612031	0.122716	1.00365	0.350512	1
Nup54_j6	0	0.305892	0	1	1
Nup54_j8	0.0947939	0.160155	0	1	1
Ccni_j1	7.54109	7.04803	0	1	1
Ccni_j2	0.54842	0.435154	0	1	1
Kat2b-ps	1.24074	1.04236	-0.251343	0.261903	0.611103
Paqr3_j2	3.69648	3.50993	-0.0747102	0.60888	0.84604
Antxr2_j6	5.7727	7.47993	0	1	1
Prkg2_j1	0.161684	0.419736	1.3763	0.005259	0.0526505
Hnrpd1_j1	1.47451	2.18011	0.564168	0.0040926	0.0436312
Sec31a_j1	0.0550577	0.0921149	0	1	1
Sec31a_j2	2.42683	4.76955	0	1	1
Lin54_j7	0.0449337	0.124587	0	1	1
Coq2_j5	2.98133	9.21459	0	1	1
Helq_j1	0.740642	1.10441	0.576428	0.280698	0.629224
Helq_j3	1.0344	1.07647	0.0575214	0.905597	0.969967
Helq	0.629983	0.517075	-0.284942	0.36302	0.697185
Wdfy3_j7	25.982	24.6132	-0.0780833	0.414619	0.732858
Wdfy3_j8	1.18819	1.00886	-0.23604	0.13295	0.453791

Mapk10_j7	11.8585	7.29306	0	1	1
Mapk10_j6	34.3771	25.1896	0	1	1
Mapk10_j5	9.00003	7.60569	0	1	1
Klhl8_j1	0.00023258	1.21679	0	1	1
Hsd17b11_j4	29.6009	30.381	0.0375281	0.723491	0.901501
Sparcl1_j2	27.8405	61.6265	0	1	1
AK030263_j1	0.117214	0.304954	1.37944	0.0538103	0.270322
Zfp951_j1	0.116493	0.254527	1.12758	0.0724333	0.323876
Zfp951_j5	0.120595	0.0954626	-0.337161	0.712188	1
AK138287_j1	0.0153269	0.133546	3.1232	0.480708	1
Zfp644_j8	0.00170759	1.6471	0	1	1
Zfp644_j10	0.373403	0.916515	0	1	1
Zfp644_j9	0.302441	0.279573	0	1	1
Hfm1_j11	0.194955	0.143276	-0.444347	0.46729	0.766646
Hfm1_j18	0.057151	0.0550748	-0.0533855	0.973092	1
Evi5_j6	0.145243	0.323015	0	1	1
Evi5_j7	3.70984	2.18146	0	1	1
Mfsd7a_j5	0.0964957	0.15061	0.642278	0.292062	1
Mfsd7a_j6	0	0.135818	1.79769e+308	0.0069692	1
Cplx1_j1	0	0.0673706	1.79769e+308	0.0354201	1
XLOC_025991	0.153422	0.0927222	-0.726519	0.477896	0.77269
XLOC_025991	0.0492508	0.160056	1.70036	0.368607	0.701882
AK003103	0.494588	0.557855	0.173662	0.74454	0.910838
Gtpbp6_j1	10.5438	13.3041	0	1	1
Gtpbp6	4.68427	5.08425	0	1	1
Fbrsl1_j8	0.890111	1.20707	0.439449	0.135217	0.457474
Fbrsl1_j9	1.31188	1.30304	-0.00974788	0.966301	0.990343
Ep400_j6	0.157639	0	-1.79769e+308	3.77E-08	2.29E-06
Ulk1_j6	0.0926402	0.485485	0	1	1
Hscb_j2	0.343934	0.95747	1.4771	0.0505753	0.260382
Miat_j8	33.6694	27.717	0	1	1
Miat_j9	0	0.313871	0	1	1
Asphd2_j6	2.07443	1.7038	0	1	1
Sez6l_j2	0	0.963008	0	1	1
Crybb3_j3	0	0.150151	1.79769e+308	0.0051809	1
Sgsm1_j3	0.51738	1.00656	0	1	1
Cmklr1_j2	0	0.0852515	1.79769e+308	0.0554152	1
Cmklr1	0.155493	0.653541	2.07143	1.24E-05	0.0003725
Tmem119_j1	7.39E-06	0.110021	13.8621	0.990931	1
Coro1c_j3	0.822992	1.86262	0	1	1
Svop_j3	15.2043	16.0854	0	1	1
Alkbh2_j4	0.681643	0.944074	0.469883	0.32434	0.667432
Alkbh2_j5	0.445996	0	-1.79769e+308	0.0001146	0.0024152
Alkbh2_j2	0.30137	0.36586	0.279757	0.675393	0.877609
Cabp1_j4	107.904	85.361	0	1	1
Sirt4_j7	1.1937	1.21373	0.0240133	0.949383	0.985359
Ccdc64_j1	0.117025	0.153839	0	1	1

Ccdc64_j3	2.65258	3.23181	0	1	1
Prkab1	2.2432	2.28973	0	1	1
Hspb8_j1	50.1364	51.8876	0	1	1
Hspb8_j4	43.3588	48.5786	0	1	1
Suds3_j1	9.21463	6.45813	0	1	1
Rnft2_j8	0.315137	1.11675	0	1	1
XLOC_026066	0.121426	0.121318	-0.00128911	0.998332	1
Oas2_j6	0.0177212	0.0772658	2.12435	0.216288	1
Oas3_j1	0.08341	0.208182	1.31956	0.0112109	0.0933358
Oas1e_j1	0.10263	0.267523	1.38222	0.113757	0.419374
Rph3a_j9	15.1907	17.0087	0	1	1
Ptpn11_j1	9.42758	9.65117	0	1	1
Trafd1_j4	8.26611	11.8977	0.525408	1.91E-05	0.0005359
Trafd1_j5	2.09317	0 -1.79769e+308		1.51E-27	4.86E-25
Erp29_j2	0.243395	0.79161	1.70149	0.0304411	0.187508
Mapkapk5_j6	3.33977	4.59341	0	1	1
Aldh2_j2	28.1859	28.3348	0	1	1
Sh2b3	2.1277	2.70013	0	1	1
Cux2_j2	0.133841	0.114173	-0.229302	0.692833	1
Cux2_j3	0	0.106782 1.79769e+308		0.0008131	1
Rad9b_j2	0.839883	1.00669	0.261365	0.285481	0.63431
Anapc5_j2	7.64044	7.42327	0	1	1
Anapc5_j8	1.10302	1.48859	0	1	1
Kdm2b_j5	0.196828	0.348517	0.824296	0.185908	0.52629
Kdm2b_j6	0	0.158757 1.79769e+308		0.0039253	0.0423269
Kdm2b_j7	0.198731	0.244628	0.299775	0.564232	0.823153
Vps33a_j10	9.88781	12.2392	0	1	1
Zcchc8_j3	0.3029	1.07768	0	1	1
Zcchc8_j4	0	0.094381	0	1	1
Gm16001	0.0225306	0.362289	4.00719	2.05E-05	0.0005646
Sbno1_j1	0.642165	1.18304	0	1	1
Ccdc92_j6	0.394707	0.0940198	0	1	1
Ncor2_j7	3.46105	4.23711	0.291873	0.10041	0.392247
Ncor2_j8	0.428723	0.624708	0.543136	0.055609	0.275636
Ncor2_j9	2.68014	2.01263	-0.413225	0.008692	0.0771917
Ncor2_j10	0.351963	0.37744	0.100824	0.732696	0.905691
XLOC_026130	0.0638774	0.194165	1.6039	1	1
Slc15a4_j5	0.272358	0	0	1	1
Slc15a4_j8	0.0924376	0.58552	0	1	1
Tmem132d_j1	0.0519858	0.0482962	-0.10621	0.905805	1
Rimbp2_j1	0.976888	0.418843	0	1	1
Stx2_j1	10.0135	14.7083	0	1	1
Psph	7.81863	7.62072	0	1	1
Chchd2_j2	243.448	273.318	0.166966	0.115144	0.42209
Wbscr17_j5	0	2.37232	0	1	1
Auts2_j5	2.91803	2.8392	0	1	1
Auts2_j6	1.39589	1.31137	0	1	1

Auts2_j8	0.0451348	0.404492	0	1	1
Ncf1_j3	0.000769178	0.432947	9.13666	0.370837	0.703864
Gtf2i_j2	16.1258	15.2284	0	1	1
Gtf2i_j5	0.147407	0.717659	0	1	1
Gtf2ird1	0.930369	1.58171	0	1	1
Clip2_j5	0.216876	0	0	1	1
Clip2	10.6445	11.1981	0	1	1
Eif4h_j1	0.263419	1.73492	0	1	1
Limk1_j4	1.20655	1.83815	0.607367	0.0937513	0.377256
2010001M06Rik_j2	0	0.0925055	1.79769e+308	0.0305277	1
2010001M06Rik_j1	0.734313	0.653879	-0.167372	0.589578	0.836157
2010001M06Rik_j3	0.0788582	0.0578716	-0.446405	0.765776	1
Ywhag_j3	0	1.25671	0	1	1
Orai2_j2	10.5367	9.59068	-0.135719	0.21121	0.555994
Sh2b2	0.716364	0.536516	-0.41707	0.179011	0.518629
Emid2	0.0829184	0.290519	1.80887	0.0099998	0.0855854
Znhit1_j2	27.9205	33.3159	0	1	1
Srrt	12.7027	12.5102	0	1	1
Gnb2	2.39683	2.45766	0.0361595	0.829437	0.944941
Mospd3	1.24177	1.13587	-0.128601	0.726673	0.90322
Fbxo24_j2	0.0886375	0.14461	0.706175	0.500873	1
6430598A04Rik_j2	17.6376	17.9924	0	1	1
Mepce_j1	0.209663	1.6051	0	1	1
Pilrb2_j2	0.0747635	0.099074	0.406172	0.71623	1
Zfp113	1.02052	0.736913	-0.469744	0.0323464	0.195244
Taf6_j1	3.85642	3.45836	0	1	1
BC037034_j5	12.0079	13.9489	0.216164	0.12145	0.433976
BC037034_j6	15.1565	15.5176	0.0339719	0.758915	0.917041
Gpc2	0	0.225384	1.79769e+308	0.0016652	0.0215578
Pdgfa_j5	1.86962	1.56804	0	1	1
Adap1_j3	26.0292	24.3851	0	1	1
Cox19_j1	25.3758	31.24	0.299938	0.0423421	0.232667
Ints1_j8	1.53147	1.11843	0	1	1
XLOC_026221	0.224406	0.102012	-1.13737	0.17778	0.517223
Snx8_j1	2.24889	2.842	0	1	1
Iqce_j4	0.0907068	0.150097	0.726612	0.257518	1
Card11_j4	0.709202	0.466945	-0.602944	0.0740056	0.327958
Card11_j6	0	0.0663456	1.79769e+308	0.0133519	1
Tnrc18_j3	0.549675	0.418533	0	1	1
Tnrc18_j10	0.292625	0.386542	0	1	1
Fbxl18_j2	0.0807649	0.15889	0	1	1
Rnf216_j1	0.000999572	1.11402	0	1	1
Rnf216_j2	3.06882	0.354446	0	1	1
Rbak_j4	0.0316105	0.126954	2.00583	0.0536326	1
Rbak_j3	0	0.0764337	1.79769e+308	0.0267928	1
E130309D02Rik_j1	1.15164	2.09725	0.864809	0.0013385	0.0180623
Zdhhc4_j6	0.229753	0.313944	0	1	1

Zdhhc4_j7	1.25176	2.58252	0	1	1
XLOC_026242	0	0.0589172	1.79769e+308	0.17192	1
Tecpr1_j3	5.03391	7.153	0	1	1
XLOC_026251	0.297457	0.320118	0.105926	0.899655	0.96799
XLOC_026251	1.92694	2.6204	0.443477	0.161609	0.496566
Tmem130_j1	0.173948	0.167025	0	1	1
Smurf1	2.27022	2.60042	0	1	1
Smurf1_j4	0	0.209241	0	1	1
Atp5j2_j1	9.85681	10.7935	0.130967	0.60546	0.844452
Usp12_j4	4.18342	7.25131	0	1	1
Flt1_j4	0.0841845	0.184271	1.13021	0.0753229	0.331324
N4bp2l2_j5	0.512933	0.361029	-0.506655	0.364744	0.698781
Stard13_j4	6.5804	8.90047	0	1	1
Stard13_j5	1.13784	1.18647	0	1	1
Cdk6_j1	0.0806476	0.150697	0.901946	0.21752	1
1700109H08Rik_j1	0.240945	0.167488	-0.524644	0.278497	0.627428
Akap9_j1	2.22165	2.10111	0	1	1
Akap9_j3	4.9069	5.11088	0	1	1
Slc25a40_j1	0.0363145	0.102009	1.49007	0.517141	1
4933402N22Rik_j2	0.00669164	0.0533029	2.99378	0.432816	1
4933402N22Rik_j1	0.0065071	0.12908	4.3101	0.250907	1
4933402N22Rik_j4	0.161879	0.20587	0.346821	0.713428	0.896209
Gm6465	0.253743	0.683258	1.42907	0.0081628	0.0737159
Pclo_j4	0.000103662	0.0625606	0	1	1
Lrrc17_j1	0.274094	0.19596	-0.484113	0.601686	0.842408
Armc10	2.62695	3.36361	0.356619	0.0669258	0.309209
Rint1_j1	2.83374	2.44372	0	1	1
Slc4a2_j2	4.86674	4.80999	0	1	1
Agap3_j5	0	0.773982	0	1	1
2010209O12Rik_j1	1.85619	2.30237	0.310771	0.0168135	0.124799
Actr3b_j2	1.55106	0.365659	0	1	1
Gm7361_j1	0.0765187	0.117382	0.617325	0.457185	1
Gm7361_j7	0.0824602	0.206162	1.32201	0.0809537	0.346426
Dpp6_j4	3.83768	3.45708	-0.150679	0.570679	0.826452
Dpp6_j7	5.57526	2.19092	0	1	1
Htr5a_j2	9.86E-05	0.264056	11.3868	0.799254	0.933125
Rbm33_j8	0.938752	1.64728	0	1	1
Nom1_j1	3.98626	3.84067	-0.0536782	0.751128	0.913741
Dnajb6_j2	0.593456	0.544713	-0.123645	0.900347	0.968327
Agbl5_j1	0.787833	0.977297	0.310908	0.370311	0.703609
Cad_j3	1.76202	1.80119	0	1	1
Snx17_j4	16.6662	18.5893	0	1	1
Slc4a1ap_j3	1.88644	1.47695	0	1	1
Ppp1cb_j2	0.135373	0.092939	0	1	1
Depdc5_j1	0.480213	0.493759	0.0401316	0.904618	0.969648
Depdc5_j3	0.335587	0.484045	0.528457	0.13414	0.455891
XLOC_025181	0.0867847	0.0620476	-0.484065	0.713845	1

Ywhah_j4	2.24386	2.04273	0	1	1
4933407H18Rik	0	0.140565	1.79769e+308	2.45E-05	1
Fgfr3	0.121846	0.0792941	-0.619768	0.296268	1
Whsc1_j5	0.20283	0.372066	0	1	1
XLOC_025191	0.505385	0.440764	0	1	1
XLOC_025191	0.0597719	0.0315158	0	1	1
XLOC_025191	0.103837	0.113562	0	1	1
XLOC_025191	0.210544	0.189861	0	1	1
XLOC_025191	0.593532	0.433826	0	1	1
Rnf4_j1	0.467707	0.882866	0.916589	0.0122279	0.0995614
Fam193a_j4	6.25117	7.70798	0.302226	0.0339122	0.201623
Sh3bp2	0	0.302344	1.79769e+308	0.0001164	0.0024409
Add1_j1	0.232585	0.158834	0	1	1
Add1_j7	12.3314	14.3337	0	1	1
Grk4_j1	0.0366884	0.272239	2.89148	0.121919	0.434855
Grk4_j6	0.260065	0.33503	0.365419	0.507169	0.789555
Rgs12_j3	2.45555	3.27582	0	1	1
XLOC_025200	0.0718339	0.0763152	0.0873056	0.935502	1
Afap1_j4	0.183256	0.304191	0	1	1
Afap1_j5	0.133965	0.411317	0	1	1
Jakmip1_j2	0	1.24626	1.79769e+308	4.46E-09	3.34E-07
Crmp1_j3	24.8333	35.7997	0	1	1
Evc2_j1	0	0.0476551	1.79769e+308	0.0444839	1
Evc2_j5	0	0.10155	1.79769e+308	0.0839107	1
Lyar_j2	0.384704	0.296855	-0.373988	0.541101	0.809122
Cpeb2_j2	0.130722	0.0817394	0	1	1
C1qtnf7_j2	0	0.105559	1.79769e+308	0.0069045	1
Cc2d2a_j4	0	0.0698537	0	1	1
Cd38_j1	0	0.066846	1.79769e+308	0.0913037	1
XLOC_025235	0.144979	0.161969	0.159868	0.861215	0.956135
Slit2_j5	0.0361448	0.147867	0	1	1
AK017706_j2	0.102551	0.180377	0	1	1
9230114K14Rik_j2	0.227397	0.094489	-1.26699	0.273212	0.622295
9230114K14Rik_j3	0.0411796	0.110404	1.42279	0.319072	1
Tbc1d19_j3	16.3435	16.9255	0	1	1
Tbc1d19_j4	6.63651	6.75544	0	1	1
Tbc1d19_j6	13.991	16.211	0	1	1
Tbc1d1_j3	0	0.222066	0	1	1
Tbc1d1_j5	0.192629	0.466486	0	1	1
Klh5	2.2188	1.52101	0	1	1
Wdr19_j4	0	0.053203	1.79769e+308	0.0239705	1
N4bp2_j3	0.0169937	0.0869514	2.35521	0.19873	1
Rhoh_j1	0	0.125273	1.79769e+308	0.0303167	1
Nsun7_j2	0.0146402	0.0868439	2.56849	0.255676	1
Limch1_j2	0	0.282308	0	1	1
Tmem33_j4	16.3891	16.0227	-0.0326214	0.807491	0.936551
XLOC_025277	0.0802753	0.0415806	-0.949046	0.392734	1

Slc30a9_j3	37.5811	33.116	0	1	1
Slc30a9_j5	23.639	26.724	0	1	1
XLOC_025279	0.0918295	0.160937	0.809464	0.154742	0.487949
Gabrb1_j2	0.0825057	0.0994802	0.269914	0.798663	1
Atp10d_j5	0.0295131	0.119843	2.02172	0.0245992	1
Srd5a3_j2	0.332096	0.118293	-1.48924	0.345358	0.684733
Exoc1_j3	0	0.172965	0	1	1
Cep135_j6	0.106091	0.162479	0.614958	0.336151	0.67662
Cep135_j10	0.407712	0.690735	0.760582	0.038755	0.219363
Cep135_j12	0.0242209	0.0784033	1.69466	0.285681	1
C530008M17Rik_j8	0	0.222678	0	1	1
Paics_j4	0.111335	2.61718	0	1	1
Srp72_j1	0	2.67454	1.79769e+308	1.88E-19	5.20E-17
Polr2b_j2	15.1531	14.29	-0.0846032	0.3874	0.71522
Lphn3_j6	0.447274	0.407443	-0.134561	0.576513	0.829044
Lphn3_j5	0.103124	0.0219194	-2.2341	0.0253725	1
Ythdc1_j1	1.00982	1.19531	0.24329	0.337277	0.677823
Ythdc1_j7	0.636749	0.590892	-0.107831	0.770409	0.921846
Rufy3_j5	25.8046	45.9644	0	1	1
Rufy3_j6	13.8395	7.67394	0	1	1
Mobkl1a_j1	0.499025	0.660634	0.40474	0.141227	0.467373
Mthfd2l_j5	0.00940828	0.293369	4.96264	0.111884	0.416247
Parm1_j2	0.0761018	0.0229419	-1.72995	0.499456	1
Art3_j1	4.61899	5.27613	0	1	1
Shroom3_j4	0	0.354323	1.79769e+308	7.79E-08	4.34E-06
Fras1_j6	0.0410311	0.145153	1.82279	0.0082084	1
Bmp2k_j1	0.0541235	0.10377	0.939059	0.537891	1
1700007G11Rik_j2	0.00599779	0.227417	5.24477	0.349676	0.687349
Mrps18c_j2	0.0550335	0.0786735	0	1	1
Cds1_j6	0.218743	1.53079	0	1	1
Ptpn13_j2	0.09097	0.0540077	-0.752225	0.274929	1
Pkd2_j6	0	0.116419	0	1	1
Lrrc8d_j3	0	0.244318	0	1	1
Zfp326_j2	0	0.382803	0	1	1
XLOC_025387	0.805533	1.62918	0	1	1
Rpl5_j1	0.287765	0.367148	0	1	1
XLOC_025396	0.0814347	0.123544	0	1	1
AK141638_j4	1.12214	1.90354	0	1	1
AK141638_j3	1.55809	1.89528	0	1	1
Pde6b_j3	0.119759	0.150831	0.3328	0.745002	1
Fgfrl1_j1	1.3564	1.56057	0	1	1
XLOC_025402	0.219289	0.332159	0.599042	0.125207	0.440797
AK142681_j1	3.22586	2.07247	0	1	1
Ankle2_j1	2.31319	3.00282	0	1	1
Ddx51_j1	0.126014	0.404912	1.68403	5.38E-05	0.0012688
Chek2_j6	0.0491901	0.112351	1.19157	0.195882	1
Iscu_j7	2.63353	2.40693	-0.1298	0.588098	0.835347

Iscu_j9	1.08656	1.11862	0.0419408	0.886811	0.964085
Acacb_j8	0.114452	0.0641676	-0.83483	0.237666	1
Acacb_j11	0.20221	0.258883	0.356447	0.538792	0.808163
Mvk_j2	0	0.0499982	0	1	1
Ankrd13a_j1	2.16687	3.51225	0.696785	0.001186	0.0164001
XLOC_025432	0.0797923	0.0964361	0	1	1
XLOC_025434	0.0592758	0.21756	1.8759	0.156291	0.4898
Oasl1	0.447548	0.900452	1.00861	0.0037026	0.0406356
Pxn_j3	1.41145	1.25272	0	1	1
Rplp0_j1	0	0.0791281	0	1	1
Rplp0_j4	27.1506	31.5368	0	1	1
Gcn1l1_j5	0.188564	0.128247	0	1	1
Rab35_j2	19.4223	24.6743	0.345299	0.0285676	0.179787
Cit_j11	0.0605653	0.281041	2.21422	1.93E-05	0.0005401
Cit_j13	1.26454	1.37641	0.122291	0.569887	0.826046
Wsb2_j2	20.8699	25.9267	0	1	1
Ksr2_j3	0	0.0589392	1.79769e+308	0.0008814	1
Med13l_j3	0.175978	0.101763	0	1	1
Rbm19_j1	0.874219	1.38064	0.659275	0.0380089	0.216574
Ddx54_j2	1.13296	1.12676	-0.00790802	0.969432	0.991425
Ddx54_j4	19.9612	25.3601	0.345358	0.0045681	0.0474527
Gm15800_j1	0.203077	0.00153767	-7.04514	0.0044969	0.0469026
Atxn2_j4	7.57071	7.36351	0	1	1
Atxn2_j3	7.65599	6.71232	0	1	1
Fam109a_j2	0.0429848	0.305182	0	1	1
Ppp1cc_j2	1.71146	1.74401	0.0271871	0.867779	0.958158
Arpc3_j1	42.7164	56.3107	0	1	1
XLOC_025488	0.015472	0.0852057	2.46129	0.117479	1
P2rx7_j1	0	0.339509	0	1	1
P2rx4	2.81405	2.70567	-0.0566625	0.83988	0.949215
mKIAA1076_j1	0	0.369223	0	1	1
mKIAA1076	3.96864	3.59348	0	1	1
Bcl7a_j1	0.474424	0.49874	0.0721121	0.860559	0.955855
Ccdc62_j7	0.0492844	0.0518583	0.0734445	0.96426	1
Hip1r_j6	0.651595	0.825524	0.341334	0.101969	0.395671
Ogfod2_j1	9.70497	9.75607	0.00757525	0.967369	0.99073
Arl6ip4_j1	0.420151	0.483224	0.201782	0.723139	0.901433
Setd8_j2	8.11595	8.28484	0	1	1
Snrnp35_j1	0.757395	0.845084	0	1	1
Dnahc10_j9	0	0.0941586	1.79769e+308	0.0553032	1
XLOC_025523	0.138458	0.131401	0	1	1
Aacs_j4	23.6884	29.4042	0	1	1
XLOC_025526	0.844353	1.49711	0.826262	0.0071619	0.067024
XLOC_025526	0.0225007	0.142532	2.66324	0.0003328	1
XLOC_025526	0.050089	0.0252844	-0.986244	0.291609	1
Glt1d1_j1	0.132478	0.723769	0	1	1
Ran_j1	30.7171	36.0884	0	1	1

Ran_j5	43.2665	48.5105	0	1	1
Gpr133_j1	0.0740272	0.137946	0.897973	0.209665	1
Mrps17	14.0206	13.7107	-0.0322409	0.790282	0.930148
Cct6a_j4	2.68917	0.506417	-2.40876	5.70E-10	4.96E-08
Crcp_j2	0.157202	0.0567609	-1.46965	0.562714	0.822297
0610007L01Rik	12.0018	11.0688	-0.11675	0.294219	0.641019
Caln1_j6	0.0245591	0.475009	0	1	1
Rfc2_j1	3.24424	3.77982	0.220438	0.432469	0.744252
Abhd11	13.5771	14.1371	0.0583183	0.716433	0.897624
Baz1b_j2	4.78612	5.24812	0	1	1
2900083111Rik_j9	0.934447	0.74463	-0.327589	0.233977	0.581404
XLOC_025574	0.0932913	0.0238939	-1.9651	0.385802	1
Cldn15_j1	0.0699183	0.16236	1.21545	0.184858	0.525128
Plod3_j1	8.28747	10.5164	0	1	1
Vgf_j3	22.5986	36.6122	0.696095	9.09E-10	7.66E-08
Ache_j1	0.159473	0.134752	0	1	1
Ephb4_j1	0	0.0877565	1.79769e+308	0.009887	1
Trfr2_j6	0.229017	0.242027	0.0797108	0.887494	0.964402
Lrch4_j4	0.334034	0.497878	0	1	1
XLOC_025595	0	0.0478015	0	1	1
Cops6_j1	0	0.161126	1.79769e+308	0.0563391	0.277728
BC055004_j5	0.180322	0.347647	0.947051	0.266312	0.615495
0910001L09Rik_j3	0.219358	0.269183	0.295301	0.452489	0.757605
Zfp157_j4	0.0536893	0.101488	0	1	1
Fam20c_j1	10.9216	9.33521	-0.226435	0.0691691	0.315322
Sun1_j1	0.461699	0.575244	0.317223	0.38366	0.713176
Sun1_j2	0.741909	1.06001	0.514761	0.059562	0.287129
XLOC_025613	0.126269	0.115534	-0.128182	0.83298	1
XLOC_025616	0	0.0925385	1.79769e+308	0.0094233	1
Amz1_j1	0.0611592	0.167313	1.45191	0.101232	0.394004
Amz1_j4	0.0131255	0.0913089	2.79839	0.1243	1
C330006K01Rik_j2	4.49452	5.26854	0	1	1
Zfp12_j1	2.49242	2.34996	-0.0849145	0.621035	0.851431
0610040B10Rik_j2	0.0663538	0.166517	1.32742	0.434118	0.745231
Rsph10b2_j2	0	0.0617083	1.79769e+308	0.0566844	1
Rsph10b2_j8	0.070128	0.0845499	0.269813	0.854516	1
Lmtk2_j3	1.74087	1.91004	0	1	1
XLOC_025641	0.0898157	0.093278	0.0545685	0.947862	1
Trrap_j14	0	0.0572945	1.79769e+308	0.0276859	1
Cdk8_j3	0	0.0744375	1.79769e+308	0.194658	1
Cdk8_j11	0.110015	0.104332	-0.076521	0.932742	1
XLOC_025661	0.0892776	0.0727145	-0.296056	0.723962	1
Pan3_j1	0.364594	0.360064	0	1	1
Pan3_j7	1.20408	1.8854	0	1	1
AK009869_j1	0	0.0616694	1.79769e+308	0.0824815	1
AK009869_j4	0.0641128	0.102701	0.679771	0.428	1
AK138849_j4	0.132297	0.269555	1.0268	0.108149	0.408811

633040615Rik_j2	1.10176	1.07271	-0.0385515	0.892875	0.966157
Brca2_j7	0.438877	0.407721	-0.106236	0.565593	0.823916
Pds5b_j5	0.0491203	0.013729	0	1	1
Cdk14_j3	0	0.170526	0	1	1
Cdk14_j5	0.00431617	0.944602	0	1	1
A330021E22Rik_j1	1.20016	1.0408	-0.205538	0.408707	0.729001
A330021E22Rik	1.22825	1.16384	-0.0777173	0.759079	0.917041
Steap2_j5	0.47475	0.504263	0	1	1
Rundc3b_j2	0.14815	0.103715	0	1	1
Crot_j2	0.0701246	0.145614	0	1	1
Dmtf1_j1	5.13545	5.72813	0	1	1
Dmtf1_j2	0.673612	1.06124	0	1	1
Dmtf1_j5	0.324904	0.703762	0	1	1
XLOC_025705	17.0635	18.708	0.132742	0.44739	0.754122
Speer4e_j1	0.0298541	0.267937	3.1659	0.107294	0.407129
Gm17019_j2	0.0611788	0.382686	2.64506	0.059407	0.286574
AK046351_j4	0.558281	0.320964	-0.798581	0.0598783	0.288093
AK017143_j1	0.0681842	0.158351	1.21561	0.143663	0.470722
Pus7_j2	0.908686	1.31995	0.538629	0.0807534	0.345924
Fam126a_j2	0.389759	0.363948	0	1	1
Fam126a_j3	0.000215424	0.131251	0	1	1
XLOC_025735	3.12969	3.55258	0.182848	0.554433	0.817513
Atg9b_j1	0	0.052353	1.79769e+308	0.0676492	1
Cdk5_j1	1.82173	1.97131	0.113845	0.378372	0.710035
Fastk	22.2429	22.7878	0	1	1
Smarcd3_j3	2.25838	2.3169	0.0369071	0.833464	0.946358
Prkag2_j8	0.166294	0.324783	0	1	1
Prkag2_j9	2.44328	2.42872	0	1	1
Mll3_j1	0.141185	0.218556	0.630414	0.0473798	0.250002
Gm10220_j1	0.0701864	0.379285	2.43402	0.0192857	0.137474
Paxip1_j1	0.453985	0.328181	0	1	1
Ost4_j1	1.14014	1.10268	-0.0482024	0.79042	0.930178
Ucn_j1	0	0.523152	1.79769e+308	0.0191597	0.136877
Gtf3c2_j3	1.33543	1.16389	0	1	1
Ppm1g_j7	1.51274	1.83168	0	1	1
Ppm1g_j6	0.319626	0.402007	0	1	1
Ift172_j8	6.27914	5.86493	0	1	1
AK036733	0	0.0486793	1.79769e+308	0.117917	1
Pisd_j1	0.0397807	0.351554	0	1	1
Ctbp1	4.97433	0.985362	0	1	1
Whsc2_j2	0.0591102	0.11054	0	1	1
Zfyve28_j3	0	0.397299	0	1	1
Zfyve28_j5	0.220395	0.236061	0	1	1
2310079F23Rik_j3	0.0870455	0.130654	0.585912	0.226931	1
Sh3tc1_j1	0.0734279	0.107111	0.544703	0.636794	1
Sorcs2_j2	0.136159	0.941948	0	1	1
AK144870_j4	0	0.0906851	1.79769e+308	0.0693289	1

D5Ert579e_j3	3.50401	3.10813	-0.172963	0.524743	0.800294
Zbtb49_j4	0	0.0475729	1.79769e+308	0.0316036	1
Zbtb49_j3	0.000107568	0.407093	11.8859	1	1
Slc2a9_j1	0	0.107198	1.79769e+308	0.0252611	1
Slc2a9_j3	0.178401	0.284797	0.674812	0.589887	0.836402
Zfp518b_j3	0	0.465482	0	1	1
XLOC_025828	0.00811969	0.120798	3.89503	0.135136	1
Bod1l_j4	5.25727	5.55046	0.0782934	0.650109	0.865646
Prom1_j3	2.09764	2.08378	-0.00956967	0.977608	0.993549
Prom1_j8	0.370996	0.389782	0.0712649	0.876747	0.960797
Fam184b_j3	0.477383	0.732603	0.617886	0.123106	0.436787
Lcorl_j1	0.359954	0.251353	0	1	1
Kcnp4	57.4953	46.7988	0	1	1
Sel1l3_j4	1.06249	2.09793	0	1	1
Sel1l3_j5	0.855007	2.48717	0	1	1
Arap2_j1	0.0544618	0.204565	0	1	1
Rfc1_j4	0	0.123199	0	1	1
Rpl9_j2	0.196094	0.150194	0	1	1
Ugdh_j1	0	0.0477762	0	1	1
Appb2_j3	1.93855	2.00916	0	1	1
Atp8a1_j3	0.543852	0.724591	0	1	1
Kctd8_j1	0	2.36825	1.79769e+308	8.41E-10	7.16E-08
Gnpda2_j2	8.62796	15.1693	0	1	1
Gabrg1_j2	3.07098	5.93415	0	1	1
Gabrg1_j1	2.66367	3.67047	0	1	1
Gabrg1_j3	5.60504	9.09282	0	1	1
Gabra4_j3	0.0698642	0.0694007	-0.00960338	0.99349	1
Commd8_j1	0.419164	0.497912	0.248376	0.308017	0.653037
Nfxl1_j4	0.357716	0.637366	0.833309	0.099223	0.389817
Tec	0.154193	0.430661	1.48181	0.0116067	0.0956833
Fryl_j11	0.273513	0.503694	0	1	1
Aasdh	0.521715	0.606011	0	1	1
Tmprss11c_j2	0.0882027	0.102308	0.214027	0.792932	1
Tmprss11f_j2	0.0440062	0.122443	1.47633	0.282093	1
Ankrd17_j6	0.225358	0.389797	0	1	1
Rassf6_j1	0.164358	0.0662211	-1.31148	0.268148	0.616844
Cdkl2_j4	0.293446	0.110283	0	1	1
G3bp2_j5	42.3176	35.224	0	1	1
Nup54_j2	1.13361	1.75627	0	1	1
Nup54_j3	2.98951	3.13768	0	1	1
Scarb2_j3	0	0.191867	0	1	1
Ccdc158_j1	0.0821611	0.127625	0.635386	0.502234	1
Ccni_j3	0.0546419	0.094482	0	1	1
Antxr2_j9	4.67221	8.86858	0	1	1
Prkg2	0.225257	1.21951	2.43665	3.12E-08	1.95E-06
Rasgef1b_j3	0.345186	0.426702	0.305853	0.57394	0.827829
Hnrnpd_j1	3.28726	2.74418	-0.260509	0.0470691	0.24874

Sec31a_j7	10.738	16.7858	0	1	1
Lin54_j3	0.0581065	0.059842	0	1	1
Lin54_j2	0.375223	0.58641	0	1	1
Coq2_j6	0	0.0677198	0	1	1
Hpse_j1	0	0.0579641	1.79769e+308	0.0837027	1
Nkx6-1	0.0852548	0.252667	1.56738	0.0197982	0.139859
Wdfy3_j3	6.65569	6.13708	-0.117036	0.267482	0.616277
Mapk10_j2	6.4791	6.65062	0	1	1
Zfp951_j4	0.0819678	0.0346633	-1.24165	0.402825	1
Zfp951_j6	0.354588	0.497984	0.489954	0.247532	0.595013
Gbp9_j3	0.333039	0.30351	-0.133944	0.82819	0.944579
Gbp4_j3	0.548052	0.429698	-0.350988	0.214199	0.559543
Zfp644_j6	0.742492	0.104935	0	1	1
Hfm1_j12	0	0.0858601	1.79769e+308	0.0267763	1
Hfm1_j13	0.0218788	0.0817445	1.90159	0.194778	1
Tgfbr3_j1	3.18977	4.12517	0	1	1
Evi5_j5	0	0.171121	0	1	1
Evi5_j9	0	0.0747901	0	1	1
Fam69a_j1	1.33854	1.27771	0	1	1
Gak_j6	17.2561	18.2872	0	1	1
Slc26a1_j1	0.0733723	0.192363	0	1	1
Crlf2_j5	0.146198	0.0966714	-0.596768	0.477041	0.772559
Crlf2_j8	0.327989	0.665445	1.02067	0.0233727	0.156748
Crlf2_j10	0	0.735034	1.79769e+308	0.0063296	0.061076
AK053084_j1	0.320821	0.319856	-0.00434472	0.988836	0.996606
Pgam5	7.27612	7.34826	0	1	1
P2rx2_j3	0	0.141363	1.79769e+308	0.0209584	1
P2rx2_j2	0.336258	0.36824	0.131081	0.806039	0.935898
Fbrsl1_j2	0.522247	0.993825	0.92826	0.0020997	0.0259752
Fbrsl1_j4	0.4632	0.306921	-0.593767	0.167333	0.503797
Ep400_j3	0.0570043	0.0938988	0.720035	0.207234	1
Ep400_j4	0.0943061	0.0922088	-0.0324467	0.94621	1
Pus1_j1	6.36132	7.61544	0.259601	0.135649	0.458263
Miat_j11	1.36165	1.16625	0	1	1
Asphd2_j7	0.676419	0.522213	0	1	1
Asphd2_j8	3.52566	2.50259	0	1	1
Sez6l_j5	0	0.09258	0	1	1
Adrbk2_j4	1.03129	1.71779	0	1	1
Sgsm1_j1	11.4685	10.8679	0	1	1
Sart3_j2	0	0.117391	0	1	1
Svop_j1	1.14676	0.253608	0	1	1
Kctd10_j1	0	0.285902	0	1	1
Mmab_j3	0.354711	0.441945	0	1	1
Git2_j6	0.622935	1.52331	0	1	1
Mlec_j1	22.8337	26.5179	0	1	1
Cabp1	25.4788	25.8362	0	1	1
Rnf10_j2	9.31173	18.7475	0	1	1

Dynll1_j1	192.531	236.753	0.298291	0.0011081	0.0154978
Sirt4	2.46637	2.43647	-0.0175941	0.941218	0.982153
Sirt4_j4	0.183615	0.298414	0.700633	0.327252	0.670225
Ccdc64	3.77242	3.18122	0	1	1
Tmem233_j4	11.7841	6.01764	0	1	1
Srrm4	2.02016	3.05434	0	1	1
Srrm4_j1	0.372925	0.802776	0	1	1
Srrm4_j2	0	0.107422	0	1	1
Pebp1_j3	11.0235	11.3563	0.0429004	0.806079	0.935898
Fbxw8_j4	2.2526	1.87926	0	1	1
Rnft2_j7	0.507305	0.479703	0	1	1
Gm16065_j1	0.447379	0.37569	0	1	1
Sdsl_j5	0.379384	0.495607	0.385537	0.531133	0.803433
Plbd2_j1	1.6395	1.79332	0.129378	0.575509	0.828379
Oas2_j5	0	0.0484034	1.79769e+308	0.0379346	1
Oas2_j4	0.0365667	0.142099	1.95829	0.0165607	1
Oas1c_j3	0.383335	0.321987	0	1	1
Mapkapk5_j5	1.36186	1.60774	0	1	1
Sh2b3_j3	0.0204639	0.0725342	0	1	1
Cux2	1.2315	0.876791	-0.490116	0.0699991	0.317567
Ift81_j1	0	0.429775	1.79769e+308	2.20E-05	0.0005985
Anapc5_j5	0	0.632531	0	1	1
Anapc5_j7	0	1.76933	0	1	1
Kdm2b_j2	0.205282	0.29314	0.513982	0.185468	0.525813
Kdm2b_j8	0	0.257647	1.79769e+308	0.0001485	0.0029901
Al480526_j4	0.195533	0.371561	0.926186	0.0155078	0.117584
Al480526_j4	0.332095	0.257979	-0.364346	0.317943	0.661333
Vps33a_j9	10.0497	7.94124	0	1	1
Abcb9_j3	0.321957	0.291211	0	1	1
Gm16001	0.251638	0.112985	-1.15522	0.042752	0.234022
Pitpnm2_j5	1.21426	2.01985	0	1	1
Pitpnm2_j6	0.598299	0.687139	0	1	1
Pitpnm2_j7	5.91408	6.90538	0	1	1
Cdk2ap1_j2	3.61023	3.30511	-0.127396	0.338721	0.678961
Cdk2ap1_j1	0.486718	0.624809	0.36033	0.149564	0.479072
Ccdc92_j5	0	0.279498	0	1	1
Ncor2_j15	2.45723	2.25139	-0.126217	0.496977	0.783635
Ncor2_j16	2.85015	2.52239	-0.17625	0.232686	0.579823
Ncor2_j18	1.18185	0.649192	-0.864328	7.04E-05	0.0015905
Scarb1_j1	4.01446	4.14292	0	1	1
Dhx37_j4	2.03692	3.10378	0.607639	0.0046263	0.0478493
XLOC_026130	0	0.0593374	1.79769e+308	0.104254	1
5930412G12Rik_j6	0.106231	0.238374	1.16603	0.0800096	0.343808
Rimbp2_j2	0.00135866	0.281935	0	1	1
Stx2_j3	0	0.970394	0	1	1
Chchd2_j1	11.1487	13.1193	0.234823	0.127944	0.445708
Gusb_j1	0.604045	0.574104	0	1	1

Sbds_j2	33.0247	43.478	0.396739	0.0001291	0.0026579
Wbscr17_j4	1.63208	1.88182	0	1	1
Auts2_j15	0.736176	1.50538	0	1	1
Auts2_j13	2.14786	2.03268	0	1	1
Wbscr16_j1	0.363622	0.826539	1.18465	0.0190417	0.136262
Wbscr16_j2	1.02536	1.31356	0.357352	0.207733	0.552062
Clip2_j7	19.9758	24.9413	0	1	1
Vps37d_j2	0	0.326971	1.79769e+308	0.0057589	0.0566809
Tmem120a_j1	11.9811	13.3621	0.157389	0.217502	0.563556
Ywhag_j2	564.805	572.699	0	1	1
Prkrip1_j1	7.76976	9.16762	0.238676	0.419929	0.73648
Sh2b2	1.70E-05	0.117163	12.7511	0.97525	1
Cux1	0	1.76337	0	1	1
Cyp3a13_j6	0.115252	0.0944587	-0.287035	0.711767	1
Mcm7_j1	6.32712	7.01511	0.148917	0.263866	0.612658
Taf6_j4	1.17079	1.04263	0	1	1
BC037034_j4	2.18774	2.24709	0.0386189	0.83346	0.946358
Gpc2_j9	0.0999821	0.208291	1.05886	0.333982	0.674869
Pdgfa_j4	1.49428	1.73323	0	1	1
Prkar1b_j5	34.5902	67.1782	0	1	1
Zfand2a_j1	4.13716	5.49959	0	1	1
Mad1l1_j2	0.150002	0.0817212	0	1	1
Card11_j12	0.140221	0.173397	0.306382	0.703467	0.891491
Mmd2_j3	2.64071	4.28607	0.698728	0.0012046	0.016596
Mmd2_j2	0.0624873	0.805811	3.68881	5.30E-06	0.0001779
Tnrc18_j5	0.218417	0.0166601	0	1	1
Fbxl18_j3	0.56733	0.670019	0	1	1
Fbxl18_j4	0	0.279133	0	1	1
Fbxl18_j5	0	0.158401	0	1	1
Fbxl18_j6	0.172665	0.31625	0	1	1
Actb_j1	0.936583	1.59227	0.765611	0.0202197	0.141951
Rnf216_j5	2.18047	2.75489	0	1	1
Rbak_j6	0.276824	0.318852	0.203921	0.513569	0.792855
Zfp316_j3	0.799133	1.33812	0.7437	0.0096977	0.083802
Rac1_j5	40.3177	55.7496	0	1	1
Tecpr1_j2	3.99247	5.38775	0	1	1
Baiap2l1_j2	0.374196	0.357863	-0.0643885	0.798733	0.933125
Zkscan14_j1	0.00140471	0.191082	7.08778	0.412993	0.731915
Usp12_j1	13.9489	5.53455	0	1	1
XLOC_026263	0.0659765	0.0797645	0.273795	0.828831	1
Flt1_j3	1.9939	2.12557	0.0922537	0.606786	0.845132
Gm10167	2.28379	2.45299	0.103112	0.705491	0.892269
Hsph1_j2	16.4115	19.1958	0	1	1
N4bp2l2_j1	1.2021	1.14503	-0.0701816	0.715977	0.897444
Stard13_j6	0.95131	1.81176	0	1	1
Gm9897_j1	0.183964	0.466675	1.343	0.0666076	0.308323
Slc25a40_j8	0.233998	0.371441	0.666633	0.287531	0.635654

9330182L06Rik_j2	1.68068	1.10173	0	1	1
XLOC_025095	0	0.432779	1.79769e+308	0.0170654	0.126093
XLOC_025095	0.0202408	0.588134	4.86081	0.0962747	0.383125
4933402N22Rik_j3	0.0303842	0.206092	2.7619	0.139052	0.463653
XLOC_025099	0.0941476	0.130211	0.46786	0.751552	1
XLOC_025099	6.71094	6.7355	0.00527038	0.974444	0.992676
XLOC_025101	25.2804	27.1784	0.104443	0.343103	0.682969
Pclo_j1	0.0904794	0.0984319	0	1	1
Magi2_j3	0	0.338424	1.79769e+308	9.44E-06	0.0002958
Fam185a_j1	0	0.0552348	1.79769e+308	0.108724	1
Psmc2_j1	71.1244	78.811	0.148052	0.104994	0.402253
AK044020_j2	4.44773	3.48959	-0.350012	0.199054	0.542198
Accn3_j1	64.6794	70.207	0.118309	0.175758	0.514267
Slc4a2_j4	15.3053	16.0627	0	1	1
Agap3_j1	2.08222	2.43442	0	1	1
Agap3_j7	10.1696	15.2594	0	1	1
Agap3_j9	6.40103	10.2869	0	1	1
2010209O12Rik_j2	0.350432	0.347403	-0.0125238	0.959389	0.988456
Gm7361_j2	1.94E-05	0.321692	14.0191	1	1
Gm7361_j6	0	0.178208	1.79769e+308	0.0025842	0.0306382
Dpp6_j5	0	0.193868	1.79769e+308	0.0760659	0.333082
Rbm33_j2	0.000132989	0.78219	0	1	1
Rbm33_j9	0.36964	0.463194	0	1	1
9530036O11Rik_j4	0.246547	0.218437	-0.17464	0.806265	0.935928
9530036O11Rik_j6	0	0.091517	1.79769e+308	0.0787132	1
Nom1_j2	0.00481469	0.0913325	4.24561	0.199443	1
Ube3c_j3	2.60048	1.81822	0	1	1
Hadhb_j3	9.58537	9.42287	-0.0246666	0.915915	0.973788
Gm1060_j6	0.177806	0.402385	1.17827	0.0384277	0.218074
Abhd1_j1	0.691093	0.714351	0.0477529	0.838246	0.948409
Cad_j4	3.16253	3.36891	0	1	1
Nrbp1_j8	0.441273	0.495645	0	1	1
Gpn1_j3	1.89252	1.33385	-0.504705	0.220505	0.567353
Bre_j1	10.5254	11.0142	0	1	1
Bre_j4	0	1.04766	0	1	1
Depdc5_j11	2.52566	2.49364	-0.0184088	0.946734	0.984263
Depdc5_j12	2.17516	3.88603	0.837172	0.0017809	0.0227714
Ywhah_j6	90.8106	100.917	0	1	1
Tacc3_j1	1.02791	1.15761	0	1	1
Gm1673	17.3061	22.3815	0.371027	0.0692449	0.315461
Sh3bp2_j3	0	0.185356	1.79769e+308	0.0289651	0.181326
Add1	0	0.152735	0	1	1
Htt_j3	0.208282	0.141401	-0.558748	0.0514717	0.263048
Acox3_j2	3.16228	3.24812	0	1	1
Ablim2_j3	6.42441	4.26055	0	1	1
Afap1_j6	0.0555645	0.0916568	0	1	1
Ppp2r2c_j3	0.922631	0.448598	-1.04033	0.0061332	0.0595946

Ppp2r2c_j4	0	0.0573467	1.79769e+308	0.0611219	1
Crmp1_j2	9.56508	17.8402	0	1	1
Evc2_j6	0	0.385722	1.79769e+308	0.0063703	0.0613721
Lyar_j3	1.40735	1.73127	0.298847	0.326599	0.669796
XLOC_025226	6.21075	7.07105	0.187157	0.289271	0.636786
Cc2d2a_j6	0.0057452	0.376697	0	1	1
Bst1_j1	0.0410068	0.12936	1.65745	0.109613	1
Cd38_j3	0.595874	1.13644	0.931445	0.0049723	0.05051
AK149205_j1	0.962844	1.01347	0.0739314	0.803219	0.934684
XLOC_025235	0.0607821	0.0540214	-0.170115	0.905967	1
XLOC_025238	0.117942	0.152279	0.368636	0.686602	1
Med28_j1	0.174465	0.419999	1.26745	0.0653076	0.304504
Slit2_j3	0.134869	0.0870573	0	1	1
Slit2_j9	0.42585	0.245272	0	1	1
Zcchc4_j1	0.439216	0.288152	-0.6081	0.287394	0.635587
XLOC_025250	0	0.300227	0	1	1
XLOC_025250	0.223242	0.535623	0	1	1
XLOC_025250	0.222974	0.556162	0	1	1
Pgm1	0.621658	0.810344	0.382413	0.324482	0.667503
Tbc1d1_j4	0.593381	0.472261	0	1	1
Klf3_j5	1.02304	1.07451	0	1	1
XLOC_025266	0.108962	0.146632	0.428378	0.430014	1
Wdr19	0.843842	0.914271	0.115649	0.649521	0.865346
Wdr19_j6	0.42406	0.671832	0.663832	0.021211	0.146608
XLOC_025269	0.0630685	0.23883	1.921	0.144929	0.472616
Limch1_j3	0	0.195216	0	1	1
Tmem33_j2	0	0.129787	1.79769e+308	0.0007854	1
Tmem33_j1	0.0702726	0.372732	2.4071	1.34E-05	0.0003981
Tmem33	13.4051	12.7907	-0.0676883	0.473709	0.7701
Slc30a9_j1	0.983988	2.79357	0	1	1
XLOC_025284	0.0928512	0.605649	2.70549	0.0943095	0.378457
Guf1_j3	1.94389	1.75123	-0.150582	0.293911	0.640718
XLOC_025288	0.0522004	0.240638	2.20473	0.0384501	0.218169
Atp10d_j4	0.106943	0.11608	0.118276	0.846236	1
Atp10d_j9	0	0.0794134	1.79769e+308	0.0247095	1
Atp10d_j13	0.338495	0.415064	0.2942	0.544815	0.811727
Slc10a4_j2	0	0.0953492	1.79769e+308	0.0652234	1
Dcun1d4_j4	0	0.0952179	0	1	1
Pdgfra_j3	0	0.0985839	0	1	1
XLOC_025306	0.0539475	0.144461	1.42105	0.119415	1
Srd5a3_j4	0	0.802989	1.79769e+308	0.0077686	0.0710632
C530008M17Rik_j10	0	0.0589774	0	1	1
Paics_j2	1.32536	2.27686	0	1	1
Rest	0.245386	0.360645	0.555527	0.0857512	0.35754
Lphn3_j4	0.259593	0.000778003	-8.38226	0.140638	0.466453
Ythdc1_j6	2.59104	2.72098	0.0705968	0.71949	0.89916
Rufy3	81.0895	66.707	0	1	1

Slc4a4_j3	4.39804	5.28537	0	1	1
Mthfd2l_j8	3.57089	3.16136	-0.175737	0.421599	0.737768
Parm1_j1	0.897146	2.06968	1.20599	8.29E-08	4.55E-06
Uso1_j1	1.17219	2.13903	0	1	1
Uso1_j3	5.5712	7.1485	0	1	1
Fras1_j8	0	0.088724	1.79769e+308	0.0055536	1
Bmp2k_j2	0.127581	0.263117	1.04429	0.350482	0.687883
Bmp2k_j6	0.498724	0.736031	0.561525	0.0390809	0.220549
1700007G11Rik_j3	0.248488	0.269148	0.115228	0.902141	0.968734
Cops4_j1	19.6474	18.452	0	1	1
Cds1_j4	1.28563	1.66455	0	1	1
Nudt9_j1	2.49866	4.81763	0.947168	3.38E-05	0.0008576
Ibsp_j1	0	0.457822	1.79769e+308	0.0002207	0.0041581
Pkd2_j5	0.0194747	0.0695398	0	1	1
Pkd2_j7	0.785525	0.881478	0	1	1
D930016D06Rik_j7	0.000762523	0.292372	0	1	1
Lrrc8c_j3	0	0.0539456	0	1	1
Lrrc8d_j4	15.9822	14.8155	0	1	1
Lrrc8d_j6	0.000538041	4.83692	0	1	1
Znf326	0.319642	0.559484	0	1	1
Cdc7_j2	0.039645	0.104972	1.40479	0.17609	1
Brdt_j2	0.898112	0.931894	0.053271	0.860276	0.955778
Rpl5_j4	0.306859	1.51745	0	1	1
Mtf2_j4	0.216499	0.437956	0	1	1
XLOC_025396	0.0596479	0.115519	0	1	1
Pde6b_j4	0.0769369	0.493331	2.68081	0.0619119	0.294332
Idua_j5	0.167039	0.244757	0	1	1
Idua_j4	0	0.0799426	0	1	1
XLOC_025402	1.47401	1.54197	0.0650247	0.743996	0.910543
AK142681_j2	0.0316824	0.0753071	0	1	1
Zfp932_j4	0.725717	0.548097	0	1	1
Zfp932_j3	0.865678	1.25662	0	1	1
Pole_j6	0.356558	0.328933	-0.116344	0.731105	0.904922
Chek2_j2	0.21136	0.174171	-0.2792	0.716747	0.897719
Crybb1_j2	0.521064	1.01265	0.958605	0.0799301	0.343618
Tfip11_j1	0.45183	0.554552	0	1	1
Wscd2_j4	0.0032647	0.311053	6.57406	0.057821	0.282123
Ficd_j1	3.97164	3.76582	-0.0767685	0.616091	0.848645
Usp30_j2	0	0.885729	0	1	1
Acacb_j6	0.115952	0.115506	-0.005562	0.992067	1
Acacb_j4	0.0332633	0.0748791	1.17063	0.166373	1
Acacb_j5	0.115952	0	-1.79769e+308	8.65E-06	1
Acacb_j12	0.842834	0.666003	-0.339719	0.446303	0.753343
XLOC_025432	0.115123	0.163746	0	1	1
Sppl3_j2	0.52306	0.691461	0.402671	0.288161	0.636106
Pop5_j2	0.434197	0.565247	0	1	1
Msi1_j2	0.501194	0.247035	0	1	1

Pxn_j2	2.92215	3.4925	0	1	1
Gcn1l1_j2	0.278886	0.382482	0	1	1
Gcn1l1_j4	1.63934	1.84806	0	1	1
Gcn1l1_j8	0	0.152619	0	1	1
Cit_j1	0.160621	0.107183	-0.583586	0.20863	0.552726
Cit_j7	0.089214	0.0664665	-0.424643	0.466978	1
AK049264_j1	0.0663354	0.130768	0.979157	0.241196	1
Ksr2	2.58949	1.95597	-0.404783	0.0014719	0.0194422
Fbxo21_j1	0	0.2765	0	1	1
Tbx3_j3	0	0.0919884	0	1	1
Ddx54_j1	0.663533	0.767468	0.209938	0.381014	0.711658
Ddx54_j3	11.2221	12.6473	0.172493	0.112459	0.41729
mKIAA0614_j2	8.62249	7.95869	-0.115574	0.294503	0.641226
Brap_j1	41.8369	44.0871	0.0755818	0.403153	0.726176
Fam109a_j1	0.224861	0.468362	0	1	1
Setd1b_j2	1.05106	0.944044	0	1	1
Setd1b_j3	0.509665	0.221455	0	1	1
Wdr66_j4	0.0123548	0.0508403	2.0409	0.213167	1
Ccdc62_j8	0.251675	0.335881	0.416389	0.513032	0.792379
Hip1r_j2	0.328499	0.0538012	-2.61018	0.0003946	0.0067021
Ddx55_j3	2.45714	2.79809	0.187459	0.33311	0.67409
Gtf2h3_j1	0.239257	0.406756	0.7656	0.349048	0.687
Tctn2_j4	0.569956	0.505388	-0.17346	0.711277	0.895071
Dnahc10_j2	0.0887521	0.0539474	-0.718228	0.599498	1
Dnahc10_j1	0.0504648	0.115963	1.20032	0.276275	1
XLOC_025519	0.0479584	0.126767	1.40232	0.0777121	1
XLOC_025526	0.00259975	0.447808	7.42836	0.0069563	0.0655528
XLOC_025526	0.398638	0.465338	0.223202	0.477994	0.77269
XLOC_025526	0.242238	0.496072	1.03413	0.0187126	0.134697
XLOC_025527	0.143753	0.221267	0.622199	0.369313	0.702675
Ran_j3	0.00182716	0.331391	0	1	1
Srsf8_j2	0.146604	0.0295329	0	1	1
Srsf8_j3	0.134033	0.188302	0	1	1
Mmp17_j2	0.231839	0.213433	0	1	1
Cct6a_j3	53.1645	56.2693	0	1	1
Sumf2_j1	4.2175	4.93482	0.226611	0.247601	0.595013
Crcp_j1	4.9963	6.64818	0.412098	0.190071	0.531884
Gtf2ird2_j2	0.0293366	0.0635835	0	1	1
Gtf2ird2_j7	1.14342	1.38175	0	1	1
Wbscr27_j2	0.915778	0.95795	0.0649518	0.877531	0.96086
Wbscr27	0.153869	0.698165	2.18187	0.0102004	0.086776
Wbscr27_j5	0.312895	0.363702	0.217081	0.779114	0.925601
Bcl7b_j1	5.92789	7.85252	0	1	1
Baz1b_j1	0	0.149375	0	1	1
Nsun5_j2	0	0.220289	0	1	1
Nsun5_j3	0.458384	0.613019	0	1	1
Nsun5_j5	1.41251	1.19029	0	1	1

Por_j6	7.42672	9.14012	0	1	1
Rasa4_j5	1.34939	2.79953	1.05287	0.0011107	0.01553
Plod3_j3	0	0.372247	0	1	1
Vgf_j2	0.0868067	0.509559	2.55337	0.0012322	0.0168948
Trfr2_j7	0.162058	0.283163	0.805122	0.193794	0.536058
2010007H12Rik_j1	1.19215	1.83811	0	1	1
0910001L09Rik_j2	23.6653	24.4244	0.0455449	0.645854	0.863424
Eif3b_j1	0.111702	0.457191	2.03314	0.0518933	0.264288
XLOC_025616	0.0467835	0.0797894	0.770199	0.391677	1
Chst12_j2	8.05088	10.8806	0	1	1
Lfng_j2	1.71112	1.90879	0.157719	0.509177	0.790813
AA881470_j3	0.154037	0.234417	0.605803	0.549524	0.814804
Amz1_j6	0.198512	0.98623	2.3127	0.0003481	0.0060281
Sdk1_j1	0.00520593	0.831142	0	1	1
Wipi2_j1	17.2721	20.6597	0	1	1
Fscn1_j4	0.362677	0.736964	0	1	1
Zfp12_j3	0.744376	0.632606	-0.234724	0.391986	0.718356
Grid2ip_j3	0.187493	0.151255	0	1	1
XLOC_025636	0.218953	0.21728	0	1	1
Pms2_j1	0.145155	0.244902	0	1	1
Pms2_j2	0.509425	0.358396	0	1	1
Rsph10b2_j7	0.038158	0.0744044	0.963402	0.464337	1
Rsph10b2_j6	0	0.0554748	1.79769e+308	0.0890212	1
Rsph10b2_j11	0.0657503	0.0917876	0.481303	0.780404	1
Trrap_j3	0.774181	0.807393	0.0606001	0.744581	0.910838
Trrap_j11	0.237322	0.552494	1.21911	0.0011537	0.0160215
Trrap_j16	1.00882	1.35236	0.422802	0.152892	0.484918
Zfp498_j4	0.644904	0.446815	-0.529406	0.190032	0.531883
Cdk8_j9	0	0.0686892	1.79769e+308	0.0596731	1
Polr1d_j2	17.8943	18.5053	0	1	1
Pan3_j11	0	0.106978	0	1	1
Mtus2_j1	0.822572	2.43997	0	1	1
Alox5ap_j1	0	0.466426	1.79769e+308	0.0083124	0.0747174
AK138849_j3	0	0.142652	1.79769e+308	0.0404973	1
B3galtl_j1	0.7226	0.420334	0	1	1
Fry_j3	1.42837	1.3141	0	1	1
Fry_j2	2.79891	1.36135	0	1	1
Brca2_j3	0.172045	0.129283	-0.412256	0.409966	0.730025
Mterf	0.358384	0.703597	0.973244	0.0775743	0.337104
Cyp51_j3	15.9896	18.7848	0	1	1
Cdk14_j1	1.57032	1.39547	0	1	1
Steap2_j2	0.150203	0.231344	0	1	1
Adam22_j2	0.439618	0.5733	0.38304	0.0538838	0.270496
Gm5152_j1	0.329131	0.449713	0.450342	0.494021	0.782369
Gm9758	0.0358125	0.369649	3.36762	0.0126287	0.101902
Gm17019_j1	0.0331625	0.394531	3.57251	0.0004262	0.0071279
Speer4c_j1	0.065091	0.237489	1.86733	0.0627362	0.296659

AK046351_j3	0	0.164802	1.79769e+308	0.0066046	0.0629442
Kcnh2_j1	3.27336	3.05877	0	1	1
Gbx1_j1	0.27739	0.315969	0	1	1
Abcf2_j3	3.44247	6.92671	1.00873	2.70E-09	2.09E-07
Smarcd3_j2	0.443717	0.339134	-0.387782	0.220589	0.567463
Prkag2_j1	0.356816	0.22484	0	1	1
Mll3_j13	0.928059	0.875176	-0.0846434	0.618748	0.850257
Mll3_j12	0.182724	0.11223	-0.703213	0.077882	0.337884
Xrcc2_j1	0	0.239034	1.79769e+308	0.0006546	0.0101708
Hadha_j2	1.15297	1.92116	0	1	1
Slc5a6_j3	0.171441	0.171225	-0.00182021	0.997761	0.999228
Mpv17_j1	0.609786	0.87152	0	1	1
Gtf3c2_j1	6.15319	7.04388	0	1	1
Gtf3c2_j2	1.03569	1.21722	0	1	1
Ppm1g_j9	19.1814	20.0758	0	1	1
Fam53a_j2	0	0.184221	1.79769e+308	0.0277075	0.17633
Letm1_j2	5.15019	6.37216	0	1	1
XLOC_025802	0.107646	0.140946	0.388849	0.694965	1
Cpz_j1	0.0579938	0.133447	1.2023	0.269187	1
2310079F23Rik_j1	0	0.08257	1.79769e+308	0.0008113	1
Sh3tc1_j4	0.0230637	0.101657	2.14002	1	1
Tbc1d14_j2	4.59836	5.14616	0	1	1
Mrfap1_j1	143.357	144.443	0.0108881	0.902689	0.968976
Wfs1_j1	13.0487	15.6179	0	1	1
Evc_j3	0.238786	0.505701	1.08256	0.0036859	0.0405333
Wdr1	69.0047	76.3693	0	1	1
Kcnip4_j1	5.75251	6.43116	0	1	1
Gpr125_j4	2.35188	2.58941	0	1	1
Sepsecs	0.131911	0.256353	0	1	1
Ugdh_j4	0.780978	1.0339	0	1	1
Pds5a_j2	2.93134	2.93738	0	1	1
Apbb2_j5	3.91977	3.91363	0	1	1
Bend4_j1	0.211195	0.622404	0	1	1
Atp8a1_j4	2.1475	5.78325	0	1	1
Kctd8_j2	0	2.06483	1.79769e+308	1.09E-08	7.56E-07
Gnpda2_j1	5.94473	8.26109	0	1	1
Gabra2_j7	1.7497	1.8832	0	1	1
Gabra2	0.147102	0.379211	0	1	1
Ln timer_j1	1.05947	0.822559	0	1	1
XLOC_025900	0.134569	0.231124	0.780321	0.277408	0.62639
Spink2_j2	0.172798	0.275639	0.673697	0.553672	0.817251
Epha5_j4	0.725098	0.955995	0.398827	0.0661677	0.307163
Cenpc1_j5	0.031136	0.0685119	0	1	1
Tmprss11c_j3	4.66E-05	0.130489	11.4512	0.938258	1
Igj_j3	0.055425	0.228189	2.04162	0.0960686	0.382743
Grsf1_j2	0.88436	3.90278	0	1	1
Gc_j2	0	0.133449	1.79769e+308	0.0288751	1

Adamts3_j3	0.304088	0.216749	-0.488466	0.508728	0.790491
Ankrd17_j2	0.22504	0.114986	0	1	1
Rassf6_j7	0.0328752	0.092342	1.48999	0.390332	1
Rchy1_j1	11.6515	13.4422	0.206249	0.160672	0.495357
G3bp2_j3	0.223731	0.355859	0	1	1
Cxcl11_j2	0.242021	0.189776	0	1	1
Nup54_j7	0.324964	0	0	1	1
Antxr2_j1	0.0359354	0.0627085	0	1	1
Prkg2_j2	0.835833	0.234488	-1.8337	0.0009794	0.0140579
Hnrnpd	11.2302	11.7564	0.0660683	0.640451	0.861115
Hnrpd_j3	4.93548	5.81572	0.236766	0.147156	0.475739
Hnrpd_l	0.587963	0.00022244	-11.3681	0.595432	0.838859
Lin54_j1	0	0.0826471	0	1	1
Coq2_j7	2.96648	3.18889	0	1	1
Helq_j2	0.270472	0.248142	-0.12431	0.793138	0.931055
Wdfy3_j4	0.1917	0.248226	0.37281	0.312029	0.656477
Wdfy3_j6	0.168633	0.252679	0.583418	0.0527422	0.266882
Klhl8_j2	0.639326	0.861725	0	1	1
Hsd17b11_j3	0.707748	0.431428	-0.714117	0.210253	0.554818
Gbp4_j5	0.23915	0.113394	-1.07656	0.148144	0.476937
Mpa2l_j3	0.30494	0.0591813	-2.36531	0.0349041	0.205267
Zfp644_j2	0.147077	0.224714	0	1	1
Zfp644_j3	0.182845	0.330427	0	1	1
Hfm1_j9	0.074992	0.0781468	0.0594504	0.974267	1
Hfm1_j16	0.0610663	0.154516	1.33931	0.343534	1
Hfm1_j17	0.00188401	0.0960868	5.67246	0.63397	1
Hfm1_j19	0.351607	0.14503	-1.27761	0.156146	0.489534
XLOC_025977	0.474012	1.11928	1.23957	1.15E-05	0.0003474
Evi5_j2	0.797684	0.725002	0	1	1
Evi5_j3	0.557334	0.586885	0	1	1
Mfsd7a_j1	0.0560027	0.164188	1.55178	0.229976	0.577072
Slc26a1	0.166018	0.0730089	0	1	1
Crlf2_j6	0.474353	0.409535	-0.211976	0.64858	0.864697
AK138792_j1	0.0309394	0.273354	3.14325	0.0565082	0.27814
Gtpbp6_j2	0.542511	1.33835	0	1	1
Gtpbp6_j4	1.68041	1.68122	0	1	1
P2rx2_j1	0.244539	0.48353	0.983541	0.0585931	0.284494
Ep400_j12	0.0110004	0.200465	4.18772	0.0001929	0.0037234
Miat_j4	12.632	3.1309	0	1	1
Miat_j5	0.851749	0.96246	0	1	1
Srrd_j1	2.83864	3.19182	0	1	1
Asphd2_j5	0.511141	2.35169	0	1	1
Sez6l_j1	0.0838241	0.100402	0	1	1
Sgsm1_j2	1.12273	1.64336	0	1	1
Ssh1_j2	0.806296	2.56765	0	1	1
Svop_j2	0	0.11931	0	1	1
Alkbh2_j1	0.0070098	0.749152	6.73974	0.0826367	0.35034

Trpv4_j1	0.0460647	0.0761902	0.725944	0.468992	1
Trpv4_j2	0	0.0725723	1.79769e+308	0.0358225	1
Git2_j2	1.15565	1.34908	0	1	1
Git2_j3	0.686456	1.15278	0	1	1
Gm13826_j2	0.0682686	0.076767	0.169264	0.907354	1
Cabp1_j1	0.55674	0.574455	0	1	1
Cabp1_j2	0.369644	1.92014	0	1	1
Cabp1_j7	6.18942	6.11919	0	1	1
Gatc_j1	6.4605	5.75191	-0.167606	0.278905	0.627636
Ccdc64	2.45587	2.97359	0	1	1
Tmem233_j1	19.2834	10.3122	0	1	1
Sdsl_j1	0.76478	0.695537	-0.136917	0.716753	0.897719
Sdsl_j6	2.99462	2.75064	-0.122605	0.692798	0.8862
Oas2_j1	0.0437521	0.100233	1.19594	0.177436	1
Oas1c_j4	0.0390157	0.122884	0	1	1
Rph3a_j6	0.759118	0.892954	0	1	1
Trafd1_j8	0.0829787	0.184138	1.14997	0.165573	0.502238
Trafd1_j9	0.208175	0.270773	0.37929	0.391796	0.718161
Mapkapk5_j2	0.763432	0.584122	0	1	1
Mapkapk5_j7	4.87271	5.2272	0	1	1
Sh2b3_j1	0.27258	0.320737	0	1	1
Cux2_j7	0.632355	0.423248	-0.579229	0.0780073	0.338307
Cux2_j8	0.136116	0.273833	1.00846	0.0156424	0.118268
Atp2a2_j4	0.318058	0.459702	0	1	1
Ift81_j3	1.27978	1.45447	0.184593	0.620135	0.850928
Camkk2_j1	0.640938	1.13744	0	1	1
Anapc5_j1	0.605632	1.33184	0	1	1
Kdm2b_j11	0	0.283658	1.79769e+308	0.0002597	0.0047625
Kdm2b_j12	0.137738	0	-1.79769e+308	0.0001266	0.0026123
Morn3	0.0909634	0.062686	-0.537141	0.484297	1
Al480526_j3	1.295	1.3676	0.0786897	0.742527	0.909932
Diablo_j3	27.3244	32.204	0	1	1
Diablo_j4	0.258738	0.517881	0	1	1
Vps33a_j6	0.0539317	0.325137	0	1	1
Clip1_j5	0.587552	0.906008	0	1	1
Clip1_j6	1.56458	2.18147	0	1	1
Zcchc8_j5	0.824498	0.572263	0	1	1
Abcb9_j4	4.87583	5.66891	0	1	1
Pitpnm2_j9	0.213304	0.391492	0	1	1
Mphosph9	0.419242	0.977186	0	1	1
Mphosph9_j5	0.194041	0.224946	0	1	1
Mphosph9_j7	0.150164	0.147262	0	1	1
Eif2b1_j1	2.31452	4.33009	0.903684	0.0023538	0.0284252
Ccdc92_j4	155.729	182.559	0	1	1
Ncor2_j2	0.864173	0	-1.79769e+308	1.08E-27	3.49E-25
Ncor2_j1	2.02146	2.6297	0.3795	0.0140712	0.109884
Ncor2_j3	0.0296475	0.0871553	1.55568	0.0511012	1

Ncor2_j4	2.49007	2.28757	-0.12237	0.380086	0.711123
XLOC_026131	0.024463	0.194157	2.98855	0.0247411	0.163074
Slc15a4_j3	0.0425184	0.106872	0	1	1
Tmem132d_j2	0.448112	0.651311	0.539488	0.0669142	0.309185
5930412G12Rik_j7	0	0.157302	1.79769e+308	0.0213598	0.147365
XLOC_026135	0.00998551	0.13688	3.77693	0.200344	1
Rimbp2_j8	0.0569622	7.26E-05	0	1	1
Rimbp2_j7	0.955652	1.16664	0	1	1
Stx2_j2	0.879699	0.717493	0	1	1
Chchd2	6.42299	6.89724	0.102773	0.641863	0.861896
Chchd2_j3	0	0.0651917	1.79769e+308	0.244003	1
Asl_j1	9.77728	11.7302	0	1	1
Wbscr17_j1	0	4.34189	0	1	1
Wbscr17_j2	2.29257	1.94244	0	1	1
Auts2_j14	0.535275	0.537043	0	1	1
Wbscr16_j4	3.02059	3.34246	0.146084	0.575807	0.828497
Gtf2i	2.96304	1.44261	0	1	1
Gtf2ird1	0.0625509	0.0672496	0	1	1
Clip2_j2	2.67113	7.15706	0	1	1
Clip2_j3	1.25022	2.16204	0	1	1
Clip2_j4	1.84845	3.1892	0	1	1
Lat2	0.00386099	0.115652	4.90467	0.204141	1
Eln_j1	0	0.116021	1.79769e+308	0.0061413	1
Vps37d_j1	0.470972	0.755994	0.682735	0.194721	0.537138
Orai2_j6	0	0.550204	1.79769e+308	0.0981637	0.387258
Sh2b2_j4	0.0387916	0.0552229	0.509524	0.689563	1
Cux1	3.17364	3.80952	0	1	1
Emid2_j3	0	0.0937229	1.79769e+308	0.032988	1
Srrt_j2	2.60341	2.96495	0	1	1
Gnb2_j5	0.0229756	0.0647349	1.49444	0.164987	1
Agfg2_j1	4.8283	4.33451	0	1	1
Agfg2_j2	2.07851	2.85232	0	1	1
Pilra	0.1754	0.114801	-0.611511	0.514683	0.793796
Cyp3a13_j4	0.0239766	0.144149	2.58786	0.0235677	1
Zfp113_j1	0	0.058163	1.79769e+308	0.0255887	1
Pdgfa_j7	1.16144	1.00205	0	1	1
Prkar1b_j1	0	5.28158	0	1	1
Prkar1b_j2	177.38	168.024	0	1	1
3110082I17Rik_j1	0	0.17943	0	1	1
Micall2_j2	0	0.177019	1.79769e+308	0.0032659	0.0368898
Ints1_j3	8.54708	9.46064	0	1	1
Mad1l1_j1	0	0.649096	0	1	1
Ftsj2_j1	4.42161	4.24971	-0.0572061	0.761929	0.918069
Snx8_j3	0.261957	0.906743	0	1	1
Iqce_j5	2.39083	2.36416	-0.0161846	0.922869	0.975936
Card11_j11	0.136168	0.103122	-0.401035	0.688208	1
Radil_j1	1.82617	1.58062	-0.208331	0.614279	0.847685

Rnf216_j3	0.346573	1.49645	0	1	1
Rnf216_j4	0	0.226451	0	1	1
Zfp316_j2	0.929468	0.219425	-2.08267	0.0001137	0.0023994
Zdhhc4_j2	2.50294	2.19137	0	1	1
Zdhhc4_j3	1.20602	1.19538	0	1	1
XLOC_026242	0.108961	0.265426	1.2845	0.0299793	0.185648
XLOC_026242	0.186331	0.353421	0.923519	0.182064	0.522422
Rac1_j2	60.1666	77.8006	0	1	1
Rnf6_j1	0.248337	0.348174	0	1	1
Usp12_j5	0.510013	0.360393	0	1	1
Slc46a3_j1	0.589364	0.653678	0	1	1
Katnal1_j1	0	2.00574	0	1	1
Hsph1_j1	48.2495	47.0444	0	1	1
Gm5_j1	0	0.355768	1.79769e+308	0.0130864	0.104567
N4bp2l1_j2	2.30737	2.43555	0.0779961	0.762787	0.918318
N4bp2l1_j3	1.85022	1.40305	-0.399127	0.140535	0.466241
N4bp2l1	1.40966	1.26337	-0.158076	0.539546	0.808423
N4bp2l2_j3	0.135234	0.188581	0.479728	0.347527	0.68613
Stard13_j1	0.738408	0.522791	0	1	1
Ccdc132	13.4842	12.4015	-0.120756	0.245233	0.592667
Gng11	5.1205	5.88907	0.201755	0.259182	0.607927
XLOC_027557	0.18111	0.00903736	-4.32482	0.0871498	0.361024
XLOC_027557	0.0626703	0.0454235	-0.464342	0.705012	1
Col1a2_j1	2.33152	3.76732	0	1	1
Col1a2_j5	1.64916	2.35648	0	1	1
Casd1	6.8771	5.80787	0	1	1
Peg10_j4	0.746675	0.305026	-1.29155	2.39E-05	0.0006398
Neurabin_j4	0.342966	0.0394699	0	1	1
Neurabin_j11	0.30598	0.395508	0	1	1
Dync1i1	33.45	24.1915	0	1	1
Dync1i1_j2	6.22044	9.29315	0	1	1
Acn9	4.64592	3.40769	-0.447171	0.0004227	0.0070836
Tac1	9.83013	5.80995	-0.758685	1.48E-05	0.0004315
Tac1_j7	39.1565	30.2154	-0.37397	0.0014322	0.0190417
C1galt1	3.09333	2.56171	-0.272052	0.0514227	0.262881
Mios	4.08631	3.73258	-0.130627	0.2912	0.638466
Glcci1_j3	0.884907	0.892345	0.0120765	0.968346	0.991049
Glcci1_j4	3.16751	2.87699	-0.138788	0.49042	0.779987
Glcci1_j7	0.31789	0.205612	-0.628605	0.520364	0.797861
Glcci1_j9	0.0817116	0.117918	0	1	1
Nxph1	0.882021	0.733749	-0.265526	0.344886	0.684393
Phf14_j1	1.74641	1.82366	0.0624428	0.829163	0.944887
Phf14_j2	0.320668	0.316013	-0.0210962	0.972494	0.991962
Phf14_j3	0.80642	0.892521	0.146353	0.611559	0.847019
Tmem106b_j1	4.37097	5.00808	0	1	1
Tmem106b	11.6322	9.87263	0	1	1
AK003812	0.427424	0.398115	-0.102483	0.733677	0.906044

AK003812_j4	0.56798	0.396662	-0.517932	0.324309	0.667432
Mdfic	0.661118	0.819573	0	1	1
Tes	3.51841	6.75037	0.940042	3.81E-12	4.95E-10
Cav2	15.7677	15.3311	-0.0405069	0.677273	0.878715
Cav1	8.38882	7.75348	0	1	1
Met_j4	0.210388	0.259376	0.301993	0.573954	0.827829
Capza2	88.0224	85.4018	-0.0436039	0.611642	0.847062
St7	0.786227	1.04805	0.41469	0.226474	0.573564
Naa38	4.41553	4.39677	-0.00614419	0.966697	0.990479
Ing3	1.54031	1.46198	-0.0752956	0.705722	0.892389
A430107013Rik_j6	0.0969658	0 -1.79769e+308		0.0041852	1
Wnt16	0.531952	0.841898	0.662351	0.0055138	0.0546657
XLOC_027589	0.085839	0.0698416	-0.297546	0.755256	1
Ptprz1	1.98463	0.904204	0	1	1
Ptprz1	2.03821	1.48126	0	1	1
Ptprz1_j6	6.06931	5.96801	0	1	1
6530409C15Rik_j1	0.132522	0 -1.79769e+308		7.95E-05	1
Arf5	6.0817	6.30171	0.051269	0.654923	0.868236
Snd1_j1	6.08348	7.75308	0	1	1
Snd1	9.49757	7.63314	0	1	1
Snd1_j2	3.98016	5.5916	0	1	1
Snd1_j5	1.08184	0	0	1	1
Gm3294	0.137377	0.12292	-0.160424	0.874748	0.960191
Gm3294_j3	0.113443	0 -1.79769e+308		0.0277323	1
2310016C08Rik	4.06317	4.36465	0.103263	0.579448	0.830922
Calu	14.2765	15.3212	0	1	1
Calu	21.1636	19.6109	0	1	1
Ccdc136_j4	0.445577	0.550974	0	1	1
Ccdc136_j3	14.9946	14.7012	0	1	1
Ccdc136_j1	5.9902	6.09883	0	1	1
Ccdc136_j2	5.22836	5.762	0	1	1
Ccdc136_j5	3.68616	4.53879	0	1	1
Finc	0.514592	1.45475	1.49927	0	0
Atp6v1f	126.869	128.587	0.0194046	0.834579	0.946855
Irf5	2.17035	2.49597	0.201672	0.299717	0.64635
Irf5_j1	0.0953737	0.238624	1.32308	0.116875	0.425121
Tspan33	1.21352	0.805378	-0.591463	0.0384153	0.218048
Tspan33	0.183641	0.293364	0.675802	0.309752	0.654331
Smo	1.19299	1.24314	0.0594133	0.7918	0.930476
Ahcyl2_j1	0.529113	0.149744	0	1	1
Ahcyl2_j3	1.41938	0.187886	0	1	1
Fam40b	1.39846	1.05012	-0.413282	0.028808	0.180714
Nrf1	0	0.184917 1.79769e+308		0.0062078	0.0601524
Klhdc10	5.39967	3.50551	0	1	1
Klhdc10	2.92658	3.24604	0	1	1
1700025E21Rik	0.135237	0.0923628	-0.550109	0.47672	1
Mest	14.1095	10.9802	0	1	1

Gm13844_j1	0.247236	0.175798	0	1	1
Mkln1	3.7358	3.01352	0	1	1
AK080631_j2	0.111989	0.076686	-0.546321	0.537186	1
AK080631	0.388448	0.190612	-1.02708	0.0556854	0.275839
XLOC_027620	0.211915	0.110543	-0.938874	0.116486	0.424494
Exoc4	14.1706	13.911	0	1	1
Exoc4_j2	4.51478	2.18313	0	1	1
Lrguk_j2	0.515902	0.10803	-2.25566	2.30E-09	1.81E-07
Akr1b8_j1	0.324061	0.238128	-0.444528	0.52542	0.800757
Akr1b10	2.03916	1.81923	-0.164644	0.404697	0.726779
Bpgm	9.18712	8.51238	-0.110051	0.384212	0.71322
Cald1_j1	1.60319	1.57583	0	1	1
Cald1	2.59371	2.9336	0	1	1
Agbl3	1.08695	0.823584	-0.400293	0.225262	0.57244
XLOC_027632	0.296783	0.07896	-1.91021	0.0503243	0.259388
1810058I24Rik	8.22228	7.62876	0	1	1
1810058I24Rik	12.43	12.5873	0	1	1
XLOC_027634	0.168623	0.0773233	0	1	1
Chrm2	0.649094	0.358258	-0.857429	0.0050463	0.0510589
Chrm2_j2	2.46757	1.56677	-0.655303	8.55E-05	0.0018747
Atp6v0c	453.197	511.586	0.174839	0.045309	0.243693
Trim24	1.65929	1.58878	-0.0626453	0.743719	0.910328
Trim24_j1	0.121957	0	-1.79769e+308	1.13E-05	1
Trim24_j4	0.0701059	0.184579	1.39663	0.322941	0.666015
Ttc26	0.317513	0.190208	-0.739235	0.055684	0.275839
Ubn2_j1	0.208509	0.145119	-0.522871	0.264931	0.613821
1110001J03Rik	12.2408	13.2694	0.116406	0.478221	0.772859
Luc7l2_j1	0.754086	0.0485033	0	1	1
Luc7l2_j1	0.220987	0	0	1	1
Luc7l2	3.24496	3.63938	0	1	1
Luc7l2_j8	0.383123	0.334458	0	1	1
Clec2l	23.6001	11.4867	-1.03883	1.14E-13	1.87E-11
Clec2l_j2	12.4849	6.54236	-0.932306	0.0005847	0.0092745
Tbxas1	0.239814	0.450279	0.908905	0.0359344	0.209112
Rab19_j1	0.117726	0.104201	-0.176061	0.820696	1
AK047163	0.305264	0.248506	0	1	1
AK047163_j1	0.0883955	0.182604	0	1	1
Adck2_j2	4.82452	4.20076	0	1	1
Ndufb2	2.30566	2.0925	0	1	1
Gm5567_j1	1.36204	1.01874	0	1	1
Gm5567_j2	4.72369	2.98852	0	1	1
Agk_j2	0.200448	0.0358407	-2.48356	0.148284	0.477198
Agk_j6	2.06927	1.70524	-0.279145	0.68418	0.881956
Ssbp1	1.56761	1.53254	-0.0326411	0.929914	0.978572
Ssbp1	0.836992	0.643892	-0.378396	0.0927688	0.374764
H4	0.0992959	0.119362	0.265533	0.761904	1
TCR-beta chain	0.0570736	0.0959065	0.748806	0.632064	1

Ephb6	6.00371	5.29029	-0.182509	0.147774	0.476408
Ephb6_j4	4.14891	5.15337	0.312783	0.131371	0.45126
Gstk1	6.15314	6.39141	0.0548121	0.739346	0.908509
Casp2	0.593253	0.472251	0	1	1
Zyx_j5	0.319551	0.907959	0	1	1
Zyx_j6	7.29326	9.53659	0	1	1
Cul1_j2	0.239703	0 -1.79769e+308		1.43E-05	0.0004206
Cul1_j4	33.9028	34.7107	0.033975	0.702963	0.891214
Zfp282_j2	1.03067	1.15232	0.160954	0.226752	0.573866
Zfp282_j3	0.0807244	0.0216104	-1.90128	0.0080053	1
XLOC_027668	0.198842	0.0650076	-1.61294	0.177585	0.516963
mKIAA4190_j6	0.362481	0.375691	0.0516396	0.876763	0.960797
mKIAA4190_j8	0.26167	0.228701	-0.194285	0.656532	0.868997
AI894139_j1	2.06266	1.87419	-0.138241	0.554212	0.817429
Krba1	0.501918	0.48489	-0.0497957	0.866754	0.957821
Krba1_j6	1.04714	0.730813	-0.518885	0.0300899	0.186073
Sspo_j4	0.14722	0.076601	-0.942539	0.212246	0.557248
Sspo_j17	0.369414	0.0964965	-1.93669	0.0084675	0.0757087
Sspo_j21	0.382206	0.213781	-0.838214	0.0476184	0.250615
Atp6v0e2	13.9776	13.1846	-0.0842633	0.377562	0.709339
Lrrc61	1.05226	1.08467	0	1	1
Lrrc61	0.94752	0.943418	0	1	1
Repin1	4.0266	4.53373	0.171136	0.25124	0.599096
Repin1	0.312571	0.260598	-0.262358	0.621001	0.851431
Repin1	0.229139	0.277065	0.274	0.537509	0.807644
Repin1	0.338005	0.326795	-0.0486569	0.909721	0.971495
Zfp775_j1	2.42687	2.65501	0.12962	0.447649	0.754418
AI854703_j6	1.94748	0.545126	-1.83694	2.29E-06	8.56E-05
AI854703_j8	0.981304	0.842011	-0.220862	0.466778	0.766337
Gimap8	0.249791	0.0884519	-1.49776	0.0462827	0.24659
Gimap4	1.41602	1.30833	-0.114111	0.631853	0.856815
Gimap1_j1	0.0733171	0.0608689	-0.268445	0.841322	1
Gimap1	0.278744	0.390653	0.486946	0.348236	0.686627
Gimap1_j3	0.169461	0 -1.79769e+308		0.0013948	0.0186619
Gimap5	0.195019	0.0962858	-1.01822	0.107638	0.407857
Tmem176a_j2	6.74427	7.87234	0	1	1
Tmem176a_j5	0.305411	0.291794	0	1	1
Gpnmb	1.37799	1.64358	0.254271	0.213357	0.55853
2410003K15Rik_j6	9.81221	9.38266	-0.0645811	0.709818	0.894313
Ccdc126	7.45164	5.07239	-0.554893	7.28E-05	0.0016377
D330028D13Rik	0.637403	0.364937	-0.804559	0.0411282	0.228002
D330028D13Rik_j1	0.208813	0.132548	-0.655695	0.394173	0.719811
Npy	4.45436	48.1953	0	1	1
Npy_j1	5.39902	53.7174	0	1	1
Mpp6	1.78515	2.09068	0.227923	0.117078	0.425436
AK043004_j4	0.396945	0.125801	-1.65779	0.0821738	0.349198
AK043004_j8	0.218589	0.120935	-0.85399	0.320485	0.663744

AK043004_j1	0	0.0892845	1.79769e+308	0.0645754	1
Snx10	44.1322	46.0993		0 1	1
Snx10_j2	0.620766	0.168328		0 1	1
Snx10_j3	7.30884	10.3173		0 1	1
Tax1bp1	7.21262	6.83479		0 1	1
Tax1bp1_j3	20.6931	15.4563		0 1	1
Creb5	0.572603	0.239559		0 1	1
Creb5_j2	0.0680433	1.37E-05		0 1	1
Chn2	2.45515	1.75791		0 1	1
Prr15	0.553902	1.81335	1.71096	2.11E-10	1.99E-08
Wipf3_j1	12.1968	7.94119	0	1	1
Plekha8_j1	0.279951	0.108562	-1.36665	0.265388	0.614264
2410066E13Rik_j2	26.3631	35.1868	0	1	1
Znrf2	3.73484	3.36414	-0.150808	0.15301	0.48502
Fam188b	0.603326	0.663761	0.137727	0.588417	0.835489
Aqp1	64.7539	66.3464	0	1	1
XLOC_027712	0.215498	0.19073	-0.17614	0.834889	0.946943
XLOC_027712	0.144373	0.138371	-0.0612637	0.942205	0.982426
Avl9	4.48209	3.75016	0	1	1
Avl9_j1	3.50063	4.05994	0	1	1
Fkbp9	13.0216	11.8535	-0.135592	0.189156	0.530721
Herc6	0.790135	0.714347	-0.145475	0.505095	0.788062
Lancl2	2.87137	2.85687	0	1	1
Lancl2_j3	4.76326	3.95362	0	1	1
Rps15-ps2	125.151	150.002	0.261313	0.0052172	0.0523677
Abcg2_j2	17.0152	20.0044	0	1	1
Tigd2	4.18532	3.78387	-0.145474	0.294768	0.641359
Fam190a_j1	0.0629993	0 -1.79769e+308		0.0171066	1
Grid2	0.134022	0.166826	0.315875	0.736708	0.907294
XLOC_027723	0.372707	0.428476	0.201173	0.491773	0.780599
Smarcad1_j1	1.59696	1.30807	0	1	1
Smarcad1	0.915324	1.10379	0	1	1
C130060K24Rik_j2	0.198117	0.0350505	-2.49884	0.0566364	0.278405
A930038C07Rik	0.863801	0.637816	-0.43756	0.0229076	0.154736
Prdm5	0.445183	0.310877	-0.518057	0.368095	0.701481
Prdm5_j9	0.149754	0.0575417	-1.37991	0.247723	0.595075
Prdm5_j13	0.243301	0.117874	-1.0455	0.315547	0.659615
Prdm5_j14	0.570481	0.223439	-1.3523	0.239864	0.587219
Mad2l1	1.53327	1.10186	-0.476671	0.175349	0.51373
Mad2l1	1.29562	1.26762	-0.0315172	0.91392	0.972962
Mad2l1_j3	0.248797	0.0981813	-1.34145	0.289101	0.63673
Gng12	3.85823	4.14385	0	1	1
Gng12	2.95905	2.07073	0	1	1
Gm8566	278.392	282.026	0.0187106	0.829391	0.944941
Serbp1	2.12605	2.11057	0	1	1
Serbp1	2.67487	2.66006	0	1	1
Serbp1	2.10898	2.14965	0	1	1

Serbp1	1.49129	1.58488	0	1	1
abParts_j3	0.135237	0.58868	2.122	0.0858938	0.357767
Eif2ak3	11.2826	12.8539	0.188115	0.05141	0.262862
Krcc1	1.64247	1.83289	0.158251	0.419783	0.736395
Rnf103	11.3194	10.3055	0	1	1
Vps24_j3	15.7402	14.1095	0	1	1
Vps24	20.1639	16.4031	0	1	1
Reep1	157.329	173.924	0	1	1
Immt	11.7531	12.3326	0	1	1
Immt_j9	5.76585	6.32012	0	1	1
Immt_j8	13.5209	15.1236	0	1	1
Immt	20.5169	19.3262	0	1	1
Polr1a_j1	0.606414	0.591531	0	1	1
St3gal5	15.2172	12.1063	-0.329948	0.0027316	0.0320372
0610030E20Rik_j4	0.14612	0.160379	0	1	1
Tmem150a_j1	2.15869	2.96876	0	1	1
Ggcx	2.02912	2.04708	0.0127141	0.916745	0.97399
Capg_j1	4.83889	3.04459	0	1	1
Capg	3.91055	2.81938	0	1	1
Capg	4.55693	6.02488	0	1	1
Capg_j2	0.210689	0.327574	0	1	1
Suclg1	6.68471	6.46536	-0.0481329	0.770862	0.922116
Lrrtm1_j2	0.780675	0.435795	0	1	1
Lrrtm1_j5	1.96661	1.0866	0	1	1
Lrrtm4_j2	0.11838	0.0778825	-0.604057	0.467018	1
Lrrtm4	0.306499	0.310703	0.0196527	0.959546	0.988456
Fam176a	0.480443	0.471141	-0.0282064	0.935251	0.980235
Dqx1_j1	1.13505	0.453673	-1.32303	0.0005647	0.0090242
Pcgf1_j1	4.46368	4.29093	-0.0569412	0.674546	0.877234
Ccdc142_j2	2.11726	2.06007	-0.0395078	0.848046	0.951888
Ccdc142_j5	27.6674	30.6193	0.146252	0.318178	0.661603
Mogs	2.39663	2.60773	0	1	1
Rtkn_j1	7.72124	8.91214	0	1	1
Rtkn_j4	0.375872	0.109396	0	1	1
Rtkn_j6	2.7054	2.52146	0	1	1
Dctn1_j2	1.59212	0.745563	0	1	1
Dctn1	28.7344	18.4952	0	1	1
Dctn1_j8	46.1824	46.5481	0	1	1
Dctn1_j9	0.401961	1.51285	0	1	1
Mobkl1b	2.13618	2.08129	0	1	1
Bola3	5.54707	3.92704	-0.498284	0.0005168	0.0083685
B230319C09Rik	0.0615357	0.0413802	0	1	1
B230319C09Rik_j1	0.278466	0.0929115	0	1	1
XLOC_027769	0.14029	0.0607504	-1.20745	0.287671	0.63577
Nagk	6.20617	7.64214	0	1	1
Nagk	15.1513	16.9891	0	1	1
Nagk_j3	3.23781	0	0	1	1

Zfml_j1	0.381044	0.194128	0	1	1
Zfml_j4	0.338695	0.179834	0	1	1
Dysf_j1	5.73708	6.51741	0	1	1
Dysf_j2	1.20555	0.982993	0	1	1
Dysf_j6	16.9827	22.7496	0	1	1
Cct7	9.29163	10.4788	0.173471	0.150883	0.481595
Cct7_j1	0.156831	0	-1.79769e+308	0.0116567	0.0959493
Alms1_j1	0.0494933	0.0910747	0.879815	0.189348	1
Alms1_j2	0.0916198	0.00103188	-6.47231	0.226362	1
Alms1_j8	0.2999	0.470879	0.650877	0.10394	0.399846
Tgfa	1.97629	2.75998	0.481862	0.0021247	0.0262016
Gm10443	123.715	146.441	0.243301	0.022309	0.152084
Fam136a_j4	0.0746764	0.28828	0	1	1
Fam136a_j3	0.368446	0.206233	0	1	1
Snrpg_j1	0.682363	0.655748	-0.0573985	0.930852	0.978859
Tia1	1.23218	1.26376	0	1	1
Tia1_j9	0.0839721	0.0698003	0	1	1
C87436_j5	1.14055	1.22931	0	1	1
Aak1	6.67628	5.57633	0	1	1
Nfu1	0.512974	0.269621	0	1	1
Gfpt1	5.332	4.34644	0	1	1
Gfpt1_j2	0.3383	0	0	1	1
XLOC_027791	0.193258	0.181773	-0.0883901	0.881861	0.962574
Copg_j1	50.162	48.8494	0	1	1
Copg_j7	11.8978	15.8031	0	1	1
8430410A17Rik	3.93456	3.9233	-0.00413532	0.982873	0.994754
Rpn1	45.6461	51.19	0.16537	0.0615765	0.293265
Ruvbl1_j2	0.680725	0.470029	-0.534323	0.514923	0.793837
Mgl1	11.3833	12.3871	0	1	1
Tpra1	5.48227	5.01314	0	1	1
Txnrd3	4.2912	5.64224	0.394887	0.0048244	0.0493365
Zxdc_j1	0.506566	0.308157	-0.717083	0.0963111	0.383159
Zxdc	1.34286	1.20484	-0.156467	0.426276	0.741011
Klf15	1.45861	1.10932	-0.394918	0.123024	0.436624
Klf15_j2	0.105037	0.110689	0.0756069	0.910989	1
Aldh1l1	1.34901	1.67899	0	1	1
Aldh1l1	1.06726	3.30024	0	1	1
Aldh1l1_j2	0.441626	1.07519	0	1	1
Slc41a3	10.603	12.7158	0.262154	0.018122	0.131663
Hdac11	30.6224	23.7117	-0.36899	0.000121	0.0025193
Fbln2	19.8919	17.8616	0	1	1
Fbln2_j4	4.27787	5.619	0	1	1
AK007770	0.526643	0.689397	0.388512	0.435236	0.746101
Tmem43	7.21846	11.6606	0	1	1
Lsm3	7.94901	8.32114	0	1	1
Slc6a6	1.54859	1.4571	0	1	1
Slc6a6_j5	0.497539	0.604205	0	1	1

C130022K22Rik	1.1129	1.26734	0.187479	0.242609	0.590089
Fgd5	0.615685	0.490126	-0.329039	0.174568	0.512657
Fgd5_j4	0.191491	0.203647	0.0887938	0.906602	0.970402
AK043032_j3	0.276442	0.0488643	-2.50012	0.271573	0.620436
9530026P05Rik_j4	0.422345	0 -1.79769e+308		9.29E-17	2.35E-14
Slc25a26_j1	1.19013	1.32846	0.158636	0.508982	0.790628
Slc25a26	3.43204	3.32398	-0.0461549	0.76442	0.919203
Kbtbd8	0.409683	0.384419	0	1	1
Kbtbd8	0.360496	0.292266	0	1	1
Fam19a1_j1	0.167125	0.141338	-0.241776	0.838162	0.948399
Fam19a1_j3	7.34581	6.76399	-0.119047	0.358176	0.693687
Arl6ip5	4.47788	5.09649	0.186689	0.344807	0.684393
XLOC_027827	0.156257	0.0378573	-2.04528	0.127758	0.44538
Ppp4r2_j2	1.18743	1.18574	-0.00205665	0.99652	0.999083
Ppp4r2_j4	0.156013	0.115145	-0.438215	0.764703	0.919353
Chl1_j1	5.06911	10.7109	0	1	1
Chl1_j4	0.948638	2.39461	0	1	1
Cntn6	1.36798	0.789193	-0.793598	0.0006812	0.0105014
Cntn4_j7	0.838665	0.261641	-1.6805	0.0003395	0.0059119
Lrrn1	8.1733	4.99819	0	1	1
Lrrn1_j4	1.8794	0.0468511	0	1	1
Setmar	2.85499	2.79119	-0.0326037	0.857573	0.954849
Itpr1_j2	0.0906977	0 -1.79769e+308		0.0015982	1
Itpr1_j1	0.0783685	0.165015	1.07425	0.117974	0.42745
Itpr1_j5	0.423699	0.254696	0	1	1
Itpr1_j8	0.088952	0.0776809	0	1	1
Itpr1_j10	1.48888	6.62499	0	1	1
Bhlhe40	1.12364	1.06464	0	1	1
Bhlhe40_j2	0.182589	0.0578881	0	1	1
Bhlhe40_j3	2.19413	3.56649	0	1	1
Arl8b	32.0728	27.5494	0	1	1
Arl8b_j1	34.8366	35.9674	0	1	1
Edem1	3.20806	3.16406	0	1	1
Grm7	16.8222	16.9814	0.0135909	0.883683	0.963053
Lmcd1	2.10485	1.07761	-0.965885	0.000186	0.003613
Gm16598_j1	0.0911138	0.181119	0.991195	0.103941	0.399846
Thumpd3	12.815	9.08355	0	1	1
Setd5_j8	2.56548	2.1606	-0.247799	0.125608	0.441522
Mtmr14	9.92221	10.0346	0.0162507	0.89585	0.96693
Mtmr14_j1	1.68932	1.53678	-0.136538	0.645572	0.863371
Cpne9_j2	0.278756	0.168693	-0.724599	0.230347	0.577338
Cpne9_j1	0.145965	0.0870056	-0.74644	0.380957	0.711636
Cpne9	1.3196	1.41957	0.105349	0.626029	0.854009
Brpf1_j2	0.000214937	0.129262	9.23217	0.616972	1
Brpf1_j1	2.68737	2.47673	-0.117755	0.4381	0.74793
Ogg1	0.814836	1.62457	0	1	1
Arc4_j1	11.3062	14.2624	0	1	1

Arpc4_j2	66.5794	75.8393	0	1	1
Jagn1	19.1748	18.0433	0	1	1
Jagn1	13.5603	12.4317	0	1	1
Il17re_j2	0.0620249	0 -1.79769e+308	0.013115		1
Il17rc_j2	1.24079	1.15331	-0.105486	0.645169	0.863171
Creld1_j3	57.4835	65.3434	0.184894	0.0461161	0.245998
Fancd2_j10	0.114852	0 -1.79769e+308	0.0137434		1
6720456B07Rik	6.90853	7.2844	0	1	1
Vhl	6.45545	6.4647	0.00206718	0.98684	0.99622
Irak2	0.775726	0.336338	0	1	1
Tatdn2_j2	2.94517	3.33246	0	1	1
Tatdn2	2.09738	2.1149	0	1	1
Slc6a11	1.04957	0.342582	-1.61527	3.98E-06	0.0001387
Slc6a1	0.898806	0.735715	-0.288864	0.241509	0.588601
Slc6a1_j4	0.335445	0.527263	0.652444	0.153958	0.48684
Hrh1_j1	0.232765	0.143784	-0.694968	0.303218	0.64898
Hrh1_j2	0.177721	0.0761187	-1.22329	0.15411	0.487096
Hrh1_j3	0.102494	0.0771315	-0.410146	0.671759	1
Atg7	1.06903	1.95309	0	1	1
Syn2_j1	0.0786195	0 -1.79769e+308	0.0462677		1
Syn2	1.10054	0.391828	-1.48992	3.75E-05	0.0009343
Pparg_j1	0.402661	0.440401	0.12925	0.767106	0.920598
Tsen2_j1	0.748667	1.10555	0.562375	0.160093	0.49462
Tsen2	0.702905	0.691048	-0.0245439	0.896031	0.966989
Mkrn2_j2	8.51769	8.95691	0	1	1
Cand2_j3	0.930059	1.26986	0.449279	0.0092505	0.0808838
Ift122	3.01005	1.35692	0	1	1
mFLJ00025_j2	13.4522	16.0076	0	1	1
Rho_j2	0.283363	0.124055	0	1	1
Rho_j1	0.274497	0.201803	0	1	1
Rho	0.2983	0.150108	0	1	1
D6Wsu116e_j1	19.9952	20.2811	0.0204821	0.823893	0.943114
Anubl1_j1	0.102846	0 -1.79769e+308	0.0013733		1
Anubl1_j2	0.173674	0.0266163	-2.706	0.0355134	0.207672
March8_j5	0.0490089	0	0	1	1
March8_j4	1.48992	1.9524	0	1	1
March8	3.44956	3.28328	0	1	1
March8_j8	0.0881824	0	0	1	1
8430408G22Rik	0.223011	0.211847	0	1	1
8430408G22Rik	1.48745	0.727628	0	1	1
Cxcl12	3.80021	3.97846	0	1	1
Zfp637	5.59182	5.49301	-0.0257222	0.886511	0.964026
Zfp637_j4	0.138715	0.185618	0.420211	0.631268	0.8565
Zfp239	0.8141	0.505058	-0.688757	0.0578871	0.28236
Zfp239_j3	0.475719	0.490606	0.044455	0.917909	0.974435
Rasgef1a	2.17587	0.914082	-1.25119	2.64E-05	0.000694
Dcp1b	0.11718	0.00418794	-4.80635	0.0652379	1

Dcp1b_j7	0.870686	1.25344	0.52567	0.159484	0.493951
Dcp1b_j8	0.502978	0.666404	0.405901	0.139328	0.464195
Fbxl14	4.69954	4.36087	-0.107905	0.386592	0.714571
Rad52_j12	0.268251	0.212762	-0.334341	0.742352	0.909901
Kdm5a_j1	0.0567402	0	0	1	1
Kdm5a	0.524194	0.345493	0	1	1
Kdm5a_j8	0.277532	0.414823	0	1	1
Il17ra	0.761032	1.09491	0	1	1
Bcl2l13	3.23972	2.84847	0	1	1
Pex26	0.94722	0.856965	-0.144463	0.575176	0.828142
Pex26	3.47089	3.17556	-0.128293	0.371133	0.704108
Tuba8	1.29831	0.734751	-0.821307	0.0018669	0.0236541
Tuba8_j1	0.173057	0.22383	0.371156	0.603199	0.843262
Usp18_j1	0.316429	0.324248	0.0352176	0.945248	0.983703
Usp18	0.8757	1.69484	0.952638	0.0001772	0.0034731
A2m	2.9091	2.33953	-0.31435	0.0295086	0.18369
M6pr	18.6553	20.722	0	1	1
M6pr_j2	14.5332	10.3173	0	1	1
Mfap5_j1	0.195534	0 -1.79769e+308	0.0032195	0.0032195	0.0364931
Mfap5	1.46673	2.68559	0.872641	3.10E-05	0.0007945
Foxj2	2.69498	2.97835	0	1	1
Necap1	74.4778	71.311	-0.062687	0.469874	0.767871
Clec4a1	0.476053	1.2815	1.42864	4.85E-06	0.0001644
Clec4a3	0.293434	0.659695	1.16876	0.0175521	0.128616
Clec4a2_j2	0.807212	0.833231	0.0457682	0.91883	0.974658
Clec4a2	0	0.446327 1.79769e+308	0.0006385	0.0006385	0.0099691
Clec4n	0.308352	0.868301	1.49362	0.0020868	0.0258543
C1rl_j1	0.0871525	0.0271422	-1.683	0.371733	1
C1rb	0.217062	0.428914	0.982584	0.108342	0.409317
Lpcat3	1.42813	1.39245	-0.0365066	0.833362	0.946329
Phb2_j1	30.0486	25.8622	-0.216453	0.0310619	0.190042
Mlf2	114.385	116.433	0	1	1
Mlf2_j1	60.4793	57.1311	0	1	1
C530028O21Rik	0.196815	0.0118147	0	1	1
XLOC_027929	0.23462	0.225067	0	1	1
Zfp384_j2	3.62946	4.30459	0	1	1
Zfp384_j5	1.06343	0.651284	0	1	1
Zfp384	2.41262	2.83181	0	1	1
Acrbp_j6	3.11267	3.86984	0.314121	0.0425253	0.233069
Lpar5	0.388155	0.2775	-0.484147	0.156055	0.489534
Lpar5_j1	0.0794926	0.0401603	-0.985049	0.231929	1
Chd4_j3	17.9894	18.0848	0	1	1
Chd4_j12	17.5864	19.559	0	1	1
Nop2	4.43255	4.99847	0	1	1
Iffo1_j2	2.24706	1.98953	0	1	1
Iffo1_j3	4.0092	5.50764	0	1	1
Iffo1	12.2131	10.4025	0	1	1

Iffo1_j5	0.922109	0.672317	0	1	1
Mrpl51	5.2593	5.56057	0.0803626	0.468798	0.767193
Vamp1	224.424	126.478	-0.827348	0	0
Scnn1a_j2	0.230579	0.182986	-0.333533	0.526957	0.801327
Tnfrsf1a	12.9592	15.2436	0.23423	0.034787	0.204875
Vwf_j2	0.107185	0.0852669	-0.330044	0.527737	1
Ano2_j2	0.120833	0.142872	0.241717	0.720734	1
Ano2_j3	0.0818636	0.0499771	-0.711954	0.61836	1
XLOC_027942	0.139915	0.0304118	-2.20185	0.212278	0.557296
Akap3_j1	0.089566	0.0458705	-0.965384	0.33287	1
D6Wsu163e	4.7185	4.17425	-0.176811	0.340024	0.680118
D6Wsu163e_j2	8.42621	8.81609	0.0652551	0.623962	0.853116
Parp11_j3	0.998278	0.648508	0	1	1
Parp11	3.1511	2.65103	0	1	1
Parp11_j1	1.60614	1.62715	0	1	1
Efcab4b_j2	0.480405	0.430307	-0.158885	0.477845	0.77269
XLOC_027948	0.137583	8.32E-05	-10.6913	0.846587	0.951509
Tspan11	0.14307	0 -1.79769e+308		3.37E-05	0.0008569
Rpl18-ps2	56.9363	72.8453	0.355489	0.0003772	0.0064635
Foxm1_j2	0.0468592	0 -1.79769e+308		0.000103	1
Foxm1_j1	0.0656213	0.0439681	-0.577708	0.357746	1
Nrip2_j1	3.09247	2.61953	0	1	1
Nrip2	3.51136	3.71377	0	1	1
Gm10069_j3	0.834272	1.27886	0	1	1
BC064078	0.446357	0.270777	-0.721093	0.0731607	0.325694
Clec12a	0.582484	1.14176	0.970976	0.0014467	0.0191685
Gabarapl1	62.0475	67.0099	0.111	0.206691	0.551333
Gabarapl1_j3	328.743	375.989	0.193729	0.0274538	0.175242
2700089E24Rik	7.39173	6.2632	0	1	1
XLOC_027968	0.186267	0.251624	0	1	1
Etv6	2.9779	3.57687	0	1	1
Etv6	0.346992	0.458629	0	1	1
Bcl2l14	2.21813	2.23009	0.00775819	0.965553	0.990085
Bcl2l14_j1	0.0612723	0 -1.79769e+308		0.0336766	1
Loh12cr1	11.4326	12.3714	0.113856	0.381724	0.71203
Crebl2	0.551726	0.399944	0	1	1
Cdkn1b	15.9137	15.3883	-0.048435	0.655156	0.868251
Apold1	0.383839	0.32366	-0.246022	0.39692	0.721348
Ddx47	22.5211	22.1579	-0.0234554	0.82086	0.942034
Gprc5a_j1	0.109016	0.0474472	-1.20014	0.309448	1
8430419L09Rik	10.4652	5.87089	0	1	1
Emp1	1.40759	2.34578	0.736843	4.37E-05	0.0010629
Atf7ip	3.52887	2.71794	0	1	1
H2afj	4.73518	6.21751	0.392916	0.0089729	0.0788954
Ptpro	1.04085	1.44221	0.470516	0.0190216	0.136169
Ptpro_j2	0.082248	0 -1.79769e+308		0.000986	1
Ptpro_j3	0.28695	0 -1.79769e+308		3.95E-06	0.0001377

Strap_j2	28.4188	27.0335	-0.0720992	0.538808	0.808163
Strap_j3	2.15222	2.68135	0.317134	0.0352181	0.206565
Mgst1	6.48445	6.41334	-0.0159097	0.932292	0.979467
Plekha5_j10	1.84493	1.81486	-0.0237051	0.93061	0.978777
Aebp2_j1	0.788297	0.819973	0.0568379	0.825167	0.943665
Aebp2	3.30461	3.9387	0.25324	0.0466989	0.247805
Slco1c1_j1	0.0557415	0	-1.79769e+308	0.0235414	1
Slco1c1	0.245827	0.112946	-1.12201	0.126794	0.443479
Pyroxd1	1.87941	1.89299	0.0103851	0.938092	0.981034
Golt1b	17.5037	16.3765	-0.0960304	0.343784	0.683765
Cmas	59.3058	58.3743	-0.0228393	0.798854	0.933125
Etnk1	32.0744	26.4523	0	1	1
Etnk1_j1	53.5358	52.193	0	1	1
AK016914	0.0973836	0.261105	1.42288	0.0076803	0.0706004
Lrmp_j2	0.0484925	0.0383149	-0.339856	0.775319	1
Lrmp_j10	0.0592522	0.00508828	-3.54162	0.295759	1
Lyrn5	1.78075	1.42451	-0.32202	0.0362214	0.210173
Gm15706	0.60651	0.665821	0.134601	0.779883	0.925704
Rps25-ps1	70.2571	86.9596	0.307702	0.0029929	0.034373
Rassf8_j1	1.65755	1.04137	0	1	1
Sspn	1.15954	1.36418	0	1	1
Sspn_j2	0.864574	0	0	1	1
Fgfr1op2	9.21415	9.18374	0	1	1
Fgfr1op2	4.54305	4.77891	0	1	1
Med21	46.6399	50.8892	0.125796	0.240335	0.587681
Stk38l_j1	0.542685	0.291483	-0.896702	0.369186	0.702462
Stk38l_j3	0.0655873	0.0631866	-0.053797	0.950248	1
Stk38l_j4	0.182727	0.127604	-0.518017	0.543137	0.810722
Arntl2_j2	0.275558	0.184346	-0.579943	0.314744	0.658926
Arntl2_j1	0.195764	0.192941	-0.0209582	0.971404	0.991962
Arntl2_j5	0.256724	0.172083	-0.577114	0.307006	0.652122
Arntl2_j8	0.326324	0.213132	-0.614562	0.436808	0.747343
Ppfibp1_j1	1.28443	1.14819	0	1	1
Ppfibp1	1.34368	0.979673	0	1	1
Ppfibp1_j5	3.5826	3.15066	0	1	1
Mrps35	9.06101	10.9648	0.27513	0.0767884	0.335018
Klhdc5	1.4688	1.44775	0	1	1
Ccdc91	8.59273	8.23835	0	1	1
AK087382	0.119237	0.421522	1.82178	0.0004001	0.0067722
4833442J19Rik_j1	0.379586	0.268798	-0.497904	0.0982419	0.38741
2810474O19Rik	0.235809	0.261313	0.148157	0.70783	0.893525
Bicd1	4.66595	3.60898	0	1	1
XLOC_028026	494.781	609.361	0	1	1
XLOC_028026	485.285	593.108	0	1	1
AK035387_j4	0.242528	0.140648	-0.786066	0.614555	0.847747
Samd9l	2.08139	1.94522	-0.0976092	0.518655	0.796493
Hepacam2_j3	0.0791478	0.116535	0.558142	0.553583	1

Bet1	14.5619	13.7529	-0.0824614	0.505862	0.788537
Sgce_j4	1.98189	2.35327	0	1	1
Sgce	2.11779	1.71319	0	1	1
Sgce	0.528448	0.516427	0	1	1
Pon3	0.439077	0.311109	-0.497053	0.296458	0.643089
Pon3_j3	0.396042	0.230341	-0.781881	0.290668	0.638074
Pon2	11.2537	10.8955	-0.04668	0.71546	0.897199
Pdk4	1.09594	0.952186	-0.202859	0.370479	0.703609
Slc25a13_j3	0.578553	0.24582	-1.23485	0.0758726	0.332811
Slc25a13	0.448907	0.460214	0.035887	0.914111	0.973065
Shfm1	40.9075	44.0129	0.105559	0.332341	0.67369
Asns	34.4157	33.4138	0	1	1
Col28a1_j2	6.52511	7.25007	0	1	1
Col28a1_j3	4.84069	3.23065	0	1	1
Rpa3	0.406803	0.464241	0.190545	0.773031	0.923012
AK037260	0.106676	0.093058	-0.197036	0.824422	1
BC062820_j1	0.0736213	0.017332	-2.08669	0.244625	1
Ica1	9.85871	6.7848	0	1	1
Ica1_j2	2.46603	1.93908	0	1	1
Ndufa4	193.32	188.527	-0.036215	0.682093	0.880656
Thsd7a_j1	5.43954	6.5646	0.271221	0.0052925	0.0528825
Thsd7a	1.4653	1.61035	0.136176	0.361087	0.695733
Tmem168_j3	0.204429	0	0	1	1
Tmem168	3.33291	3.25861	0	1	1
B630005N14Rik	1.98193	2.11221	0.0918483	0.601747	0.842408
Gpr85_j4	0.373452	0.195591	0	1	1
2610001J05Rik	16.6902	22.5383	0.433379	0.0270548	0.17365
Cttnbp2	1.30726	1.91469	0	1	1
Tspan12_j1	3.29796	1.58548	-1.05666	7.46E-05	0.0016733
Tspan12	6.51944	9.11114	0.482885	0.0005079	0.008245
Fam3c_j3	2.20584	2.21288	0	1	1
Fam3c_j4	1.07386	0.134372	0	1	1
Fam3c	8.63877	7.72416	0	1	1
Cadps2_j4	1.86813	1.64881	0	1	1
Ndufa5_j3	55.7919	60.329	0	1	1
Ndufa5	19.7137	16.9728	0	1	1
Wasl	22.7736	18.0937	0	1	1
Tmem229a	13.7925	11.1231	-0.31032	0.001029	0.0146223
Gpr37	4.46817	4.38584	-0.0268301	0.835536	0.947099
Pot1a	3.05535	2.62748	0	1	1
Grm8_j7	0.298934	0.0611979	-2.28827	0.006788	0.0642713
Zfp800_j3	0.53856	0.27556	-0.966739	0.0650429	0.303642
Zfp800	0.514124	0.000278377	-10.8509	0.738946	0.908316
Zfp800_j7	0.0936129	0	-1.79769e+308	0.0045748	1
Rbm28	6.32138	6.12802	-0.0448182	0.695036	0.887491
Prmt4_j2	0.279812	0.136096	-1.03983	0.0566261	0.278383
Impdh1_j4	1.82167	0.0112232	0	1	1

Kcp_j3	0.169123	0.0175787	-3.26618	0.264493	0.613354
Kcp_j6	0.206174	0.049199	-2.06716	0.20305	0.546925
Tnpo3_j4	5.65229	7.7375	0	1	1
Tnpo3	0.355845	0.421136	0	1	1
Gm2058_j2	25.4953	24.9843	-0.0292083	0.748637	0.912535
Zc3hc1_j2	9.5711	10.0593	0.0717694	0.5677	0.824883
Tmem209	1.81085	1.34877	0	1	1
Tmem209_j1	0.533112	0.758961	0	1	1
Tsga14	0.765844	0.645421	0	1	1
Copg2_j3	0.173749	0	0	1	1
Copg2	25.9812	21.0293	0	1	1
BC145649_j3	0.186389	0.0380038	-2.2941	0.193206	0.535528
Gm13835	76.974	66.1889	-0.217783	0.0194015	0.138037
Podxl_j1	0.875282	1.27974	0	1	1
Podxl	1.90619	3.47595	0	1	1
AK085570	1.04644	0.770506	-0.441612	0.082093	0.349173
Plxna4	4.22044	4.97509	0	1	1
Chchd3_j2	8.10276	0 -1.79769e+308		2.17E-43	7.54E-41
Chchd3	29.0833	29.6985	0.0302032	0.767193	0.920598
Slc35b4_j3	2.76295	2.24738	0	1	1
Slc35b4_j1	2.60772	2.28633	0	1	1
Slc35b4	7.93406	6.55792	0	1	1
2010107G12Rik_j1	0.0692704	0 -1.79769e+308		0.0143412	1
Cnot4	4.46945	4.44213	0	1	1
Cnot4	1.29296	0.966954	0	1	1
Slc13a4	0.410034	0.377958	-0.11752	0.732109	0.905282
Fam180a	0.180503	0.210639	0.222748	0.719077	0.898959
Mtpn	33.3268	36.6667	0	1	1
Ptn_j3	0.677551	1.6909	0	1	1
Ptn	43.1917	39.207	0	1	1
Dgki_j4	0.274022	0.167051	-0.714004	0.040074	0.224068
Dgki_j2	0.0563517	0 -1.79769e+308		4.31E-06	1
Creb3l2_j1	0.314343	0.0628712	0	1	1
Creb3l2	2.29331	2.00803	0	1	1
Atp6v0a4_j1	0.128819	0.0608515	-1.08198	0.431508	1
Zc3hav1l	0.533471	0.476542	-0.162805	0.387742	0.715426
Zc3hav1_j3	2.25754	2.51724	0	1	1
Zc3hav1_j5	0.433353	0.445045	0	1	1
Zc3hav1_j9	1.04625	1.5298	0	1	1
Hipk2_j1	0.328126	0.117374	0	1	1
Hipk2	0.192941	0.05501	0	1	1
Parp12	0.342297	0.422157	0.302531	0.398137	0.722336
Jhdm1d	1.16692	0.727342	0	1	1
Slc37a3	4.05039	2.84092	0	1	1
Mkrrn1_j2	12.7443	10.0967	0	1	1
Mkrrn1	6.5133	5.40279	0	1	1
Dennd2a_j5	0.740293	0.757286	0	1	1

Dennd2a_j4	1.51112	2.27494	0	1	1
Dennd2a	2.33045	2.80184	0	1	1
E330009J07Rik	1.58744	1.14915	0	1	1
Fam131b_j1	0.240477	0.270125	0.167728	0.666831	0.873918
Fam131b	1.64903	1.47429	-0.1616	0.338438	0.678756
Fam115c	0.849426	0.705023	-0.268818	0.249518	0.596954
Fam115a_j4	0.302169	4.29012	0	1	1
Fam115a	17.0145	9.15197	0	1	1
Tpk1	2.55292	2.28265	-0.161435	0.430049	0.743005
Tpk1_j5	0.452515	0.0483292	-3.227	0.0122165	0.0994986
Ezh2_j3	0.332358	0.317094	-0.0678297	0.897725	0.967451
Ezh2_j4	0.223681	0.0276241	-3.01744	0.0237452	0.158504
Pdia4	14.4321	13.9245	-0.0516514	0.638188	0.859943
Zfp786	0.297469	0.189648	-0.649417	0.158057	0.492267
Zfp777	2.09798	0.937144	0	1	1
Zfp746	1.81098	1.32516	0	1	1
Zfp746_j4	0.713512	0.0371184	0	1	1
AK158926_j1	0.444477	0.361804	-0.296898	0.16206	0.497356
Zfp467_j1	0.0804839	0.0433423	-0.892922	0.503293	1
Zfp467	0.112402	0.0637101	-0.819079	0.353787	1
Rarres2_j1	1.28111	0.000233564	0	1	1
Rarres2	1.74972	3.04973	0	1	1
Gimap6	3.85086	3.63774	-0.0821354	0.627265	0.854539
Gimap3_j3	0.20208	0 -1.79769e+308		0.0129341	0.103684
Tmem176b_j1	16.5112	15.5919	0	1	1
Tmem176b	17.6837	18.0437	0	1	1
Tra2a_j6	4.04143	2.95069	0	1	1
Tra2a_j8	3.33484	3.60224	0	1	1
Tra2a_j7	3.97263	3.62282	0	1	1
Tra2a	13.5013	15.8033	0	1	1
Dfna5_j1	2.08303	1.76038	-0.242797	0.398059	0.722279
Dfna5	2.33364	2.2448	-0.0559969	0.761692	0.917978
Osbpl3_j1	7.78919	2.25703	0	1	1
XLOC_028161	0.212493	0.0350405	-2.60032	0.120491	0.432356
4921507P07Rik_j1	0.17104	0.0501376	-1.77037	0.154492	0.487674
Hnrnpa2b1	0.107451	0.224168	1.06091	0.0864826	0.359451
Skap2	8.21786	9.471	0.204754	0.0605168	0.290048
Hoxa3	0.0833832	0.0330465	0	1	1
Hoxa5_j3	0.576546	0.573176	0	1	1
Hoxa5_j2	0.681819	0.452793	0	1	1
Hoxa7_j6	3.45302	3.48192	0	1	1
Hoxa7_j5	7.04802	6.73037	0	1	1
Hoxa9	3.39408	3.4882	0	1	1
Hoxa9_j7	6.53438	6.75377	0	1	1
Hoxa10	5.75135	5.81451	0	1	1
Hoxa11	0.0936387	0.0987947	0.0773287	0.906109	1
Hibadh_j3	2.22644	0 -1.79769e+308		4.37E-15	8.70E-13

Hibadh	28.7615	24.4137	-0.236448	0.0219612	0.150344
Jazf1	0.40867	0.387876	0	1	1
Scrn1_j1	1.20101	0.607893	0	1	1
Fkbp14	3.83117	3.54605	-0.111574	0.482571	0.775744
Nod1_j3	0.745996	0.8491	0.186767	0.673498	0.876948
Nod1_j4	0.499459	0 -1.79769e+308		1.61E-06	6.25E-05
Nod1	2.58709	2.17844	-0.248038	0.107606	0.407772
Ggct_j1	1.8679	1.83073	-0.0289993	0.942803	0.98265
Ggct	8.15757	8.26643	0.0191239	0.915871	0.973762
Crhr2_j2	0.175214	0.231314	0.400735	0.520663	0.797932
Crhr2	0.418998	0.433745	0.0499022	0.899523	0.967912
Inmt	0.522112	0.473068	-0.142312	0.728918	0.903872
Pde1c_j1	2.01222	2.56756	0	1	1
Pde1c_j3	2.23847	4.17449	0	1	1
Pde1c_j5	0.257104	0	0	1	1
Kbtbd2_j3	0.206043	0	0	1	1
Nt5c3_j2	0.289969	0.103727	0	1	1
Nt5c3_j3	0.947993	0.781518	0	1	1
Nt5c3	1.70126	1.27478	0	1	1
Ppm1k	1.14741	0.528504	-1.11839	1.46E-05	0.0004294
Pigy	3.93724	4.04781	0.0399591	0.738392	0.908099
Vopp1_j2	2.55984	0	0	1	1
Vopp1	9.94278	8.38161	0	1	1
Nap1I5	112.011	87.2886	0	1	1
Fam13a	4.73472	2.75614	-0.780631	9.14E-10	7.68E-08
Gprin3	0.317834	0.246181	-0.368553	0.131514	0.451411
Snca	5.21418	6.85411	0.39453	0.0287717	0.180579
Snca	3.02592	2.33188	-0.375879	0.198225	0.54132
AK158619	0.472776	0.234895	-1.00914	0.0198967	0.14031
Gadd45a_j3	0.521596	1.69125	1.69709	0.0068796	0.0649553
Gadd45a	11.8686	33.2085	1.4844	0	0
Rpia_j1	1.43958	0.989296	-0.541178	0.129639	0.448536
Rpia	3.22472	3.35796	0.0584092	0.765153	0.919657
Thnsl2_j2	1.46292	1.41258	-0.0505239	0.876197	0.960645
Thnsl2	3.9632	3.80154	-0.0600825	0.737728	0.907555
Smyd1	0.146084	0.251379	0.783067	0.129818	0.448824
Rmnd5a_j3	0.0987634	0.0839948	0	1	1
Rmnd5a	9.73743	8.65698	0	1	1
Mrpl35	3.73426	3.89045	0	1	1
Ptcd3_j5	6.81138	7.31404	0	1	1
Ptcd3	9.24962	8.04616	0	1	1
Ptcd3_j2	3.03087	2.6266	0	1	1
Atoh8	0.29405	0.21662	-0.440898	0.34153	0.681458
Usp39_j2	1.09459	1.31779	0.267731	0.402939	0.726049
Usp39	10.0195	9.56021	-0.0676989	0.582973	0.832997
Rnf181	23.5832	25.0368	0	1	1
Rnf181_j4	4.18325	4.96705	0	1	1

Vamp5	0.603826	0.733787	0.281228	0.280526	0.629156
Vamp8_j1	4.42814	4.7923	0.114018	0.682424	0.880827
Vamp8_j2	5.56271	6.20012	0.156507	0.456674	0.760049
Mat2a_j4	30.4245	31.6925	0.0589093	0.53685	0.80709
Sh2d6_j4	0.243137	0.156955	-0.631425	0.472444	0.769519
Elmod3	0.822331	1.09259	0.409958	0.199419	0.542361
Elmod3	1.39381	1.44055	0.0475915	0.859363	0.955525
Tgoln2	49.4375	47.3947	-0.0608798	0.478028	0.77269
Kcmf1	11.3134	9.56185	0	1	1
Tmsb10	9.80361	12.3792	0.336528	0.073487	0.326669
Dnahc6_j3	0.0883783	0.026067	-1.76147	0.21698	1
Dnahc6_j4	0.109655	1.71E-05	-12.6469	0.977209	1
Dnahc6_j6	0.0908182	0.0181016	-2.32687	0.068426	1
Dnahc6_j10	0.0539612	0.0522268	-0.0471324	0.961991	1
XLOC_028220	0.144139	0.0279883	-2.36456	0.0545647	0.272455
Ctnna2_j13	1.09319	1.37131	0	1	1
Mrpl19	2.45376	2.5313	0.0448819	0.713582	0.896209
Pole4	6.85949	7.17236	0	1	1
Hk2	0.126032	0.175999	0.481773	0.328544	0.671065
Sema4f_j1	2.65614	0.781612	0	1	1
Sema4f	1.74583	3.50287	0	1	1
Dok1_j3	0.0953015	0 -1.79769e+308		0.0327319	1
Dok1_j4	0.460408	0.0662738	-2.7964	0.0137032	0.10789
Dok1	2.31625	2.94663	0.34727	0.0838981	0.35329
Htra2	5.2518	5.30982	0.0158516	0.891908	0.965687
Tlx2_j2	13.457	12.2811	-0.131913	0.289836	0.637165
Tlx2	2.58189	2.87107	0.153163	0.171744	0.508904
Wbp1_j8	7.41529	7.0406	0	1	1
Wbp1_j5	1.79698	1.53935	0	1	1
Wbp1_j2	0.307474	0.0452683	0	1	1
Mthfd2	10.6808	12.9772	0	1	1
Tet3	1.53426	1.84944	0	1	1
Dguok	11.4949	13.4004	0.221277	0.110979	0.41459
Stambp	7.52302	6.60008	0	1	1
Cd207_j1	0.167552	0.676497	2.01347	0.0015649	0.0204437
Tex261	10.2374	9.53246	0	1	1
Paip2b_j1	2.24156	2.76001	0.300174	0.150603	0.481165
Paip2b	30.235	27.9058	-0.115655	0.204142	0.548341
Cyp26b1	0.349973	0.149684	-1.22533	0.0079379	0.0721656
Exoc6b_j5	0.0485187	0.0191569	0	1	1
Exoc6b	4.47605	4.45058	0	1	1
Spr	17.7693	17.9511	0.0146912	0.894408	0.966589
Sfxn5_j4	0.145567	0	0	1	1
Sfxn5	1.05151	0.953879	0	1	1
Rab11fip5	18.5213	21.7989	0	1	1
Fbxo41	0.240383	0.302103	0	1	1
Dusp11_j4	0.528999	0.185317	0	1	1

Dusp11_j3	0.388036	0.497247	0	1	1
Dusp11_j6	2.23315	2.33388	0	1	1
Dusp11	1.96992	2.18669	0	1	1
Pcyox1_j3	5.58349	5.50607	-0.0201451	0.892831	0.96613
Pcyox1	33.2342	29.3022	-0.181655	0.0464989	0.247326
AK009724	0.553318	0.203308	-1.44444	0.0450737	0.242776
AK009724_j1	0.371154	0.277304	-0.420548	0.52238	0.798868
Mxd1	0.399153	0.345506	0	1	1
Snrnp27	21.3025	23.681	0	1	1
Gmcl1	7.74981	7.62912	0	1	1
Anxa4	3.19986	3.59347	0	1	1
Antxr1_j2	2.68774	3.22392	0	1	1
Antxr1_j3	0.513033	0.345746	0	1	1
Antxr1	2.2055	1.77801	0	1	1
Arhgap25_j1	2.26247	1.78961	-0.338252	0.120682	0.43269
Arhgap25_j4	0.149094	0.230992	0.63162	0.346607	0.685483
Prokr1_j2	0.358825	8.85E-05	0	1	1
Prokr1	4.60595	1.99526	0	1	1
Ap1f_j1	0.162104	0.631684	1.96228	2.83E-05	0.0007357
Ap1f_j3	1.40854	1.17695	-0.259149	0.280885	0.629386
Rab43	0.841679	1.17461	0	1	1
Isy1_j1	3.01979	1.8322	0	1	1
Isy1	2.65773	2.299	0	1	1
Cnbp	38.4562	45.5913	0	1	1
Cnbp	43.4813	53.4259	0	1	1
Rab7	26.3421	26.9981	0	1	1
Rab7_j5	39.9019	42.489	0	1	1
Eefsec	4.31476	4.0633	-0.0866291	0.540091	0.808742
Sec61a1_j1	33.8588	36.578	0	1	1
Sec61a1	3.68471	4.12227	0	1	1
Kbtbd12	0.322377	0.177642	-0.859777	0.0354457	0.207411
Abtb1_j6	2.2155	2.29617	0	1	1
Abtb1	8.65025	7.1712	0	1	1
Abtb1_j2	0.624656	0.63068	0	1	1
Podxl2_j2	23.1111	24.6893	0.0953011	0.338002	0.678523
Mcm2	1.98528	1.71041	-0.214997	0.22458	0.571673
Plxna1	3.7327	2.39175	0	1	1
Chchd6	4.85996	4.44568	-0.128542	0.604368	0.843983
Chchd6	30.3544	32.2372	0.0868204	0.4256	0.740579
lqsec1_j8	1.2061	0.763659	0	1	1
lqsec1_j2	2.61739	1.23182	0	1	1
lqsec1	0.674363	0.341597	0	1	1
Wnt7a	1.08101	0.423418	-1.35223	0.0001193	0.0024906
Chchd4_j2	2.15171	3.35483	0	1	1
Chchd4	3.29125	3.26764	0	1	1
Xpc_j1	0.564031	0.659722	0	1	1
Xpc	1.85647	1.88495	0	1	1

Grip2	0.401905	0.686474	0	1	1
Mrps25	9.08605	9.03076	-0.00880473	0.924393	0.976347
Zfyve20	3.85011	3.7174	0	1	1
Prickle2	0.818285	0.829316	0	1	1
Prickle2	1.06898	0.448129	0	1	1
Prickle2_j3	0.0546865	0.0564048	0	1	1
Adamts9_j2	0.0707416	0.284267	2.00662	9.03E-06	0.0002844
Adamts9_j1	0.552122	0	-1.79769e+308	3.03E-30	1.01E-27
Magi1_j2	0.248617	0	0	1	1
Magi1_j7	1.14856	0.203849	0	1	1
Lrig1	2.47344	3.43572	0.474094	0.000309	0.0054727
Fam19a4	12.5353	9.42386	0	1	1
A130022J15Rik	2.58106	2.55589	-0.0141348	0.923417	0.97612
Tmf1	1.90079	1.40279	0	1	1
Uba3_j3	0.814324	0.584603	0	1	1
Uba3	5.55051	4.83472	0	1	1
Uba3_j4	2.59744	1.50745	0	1	1
Frmd4b_j7	2.35274	2.97008	0.336161	0.163815	0.499333
Frmd4b_j1	1.54516	0.537015	-1.52472	1.00E-06	4.15E-05
Frmd4b	0.830021	0.837189	0.0124062	0.959256	0.988355
Gm765_j2	16.6005	9.14924	0	1	1
Gm765	22.2203	14.7196	0	1	1
Eif4e3	7.60193	8.04378	0	1	1
Eif4e3_j2	0.202069	0.0878353	0	1	1
Gm14456	588.376	668.9	0.185054	0.0341755	0.202497
Rybp_j2	0.211945	0.121347	-0.804556	0.400535	0.723948
Shq1_j1	0.326265	0.215269	-0.599906	0.207435	0.55194
Shq1	0.696693	0.865559	0.313108	0.261494	0.610687
Pdzrn3	0.925742	0.552864	-0.743685	0.0083855	0.0751134
Cntn3_j4	0.576958	0.264418	-1.12565	0.0027042	0.0317962
Crbn_j3	1.45644	1.66952	0	1	1
Crbn_j5	0.21901	0.149018	0	1	1
XLOC_028313	0.0929497	0.0195896	-2.24636	0.210377	1
Sumf1_j2	4.48691	4.5768	0	1	1
Sumf1_j3	1.57542	1.97752	0	1	1
Sumf1	10.8083	9.96012	0	1	1
Gm4604	90.3662	109.128	0	1	1
Gm16433	6.22225	6.31989	0.0224624	0.865225	0.957045
AK039720_j1	0.200767	0.260568	0.376143	0.55254	0.816593
Oxtr_j1	0.262871	0.0664888	-1.98317	0.0052598	0.0526505
Oxtr	0.118511	0.113661	-0.0602783	0.917883	1
Rad18	0.728395	0.712687	-0.031453	0.887434	0.96438
Rad18_j1	0.153396	0.425099	1.47054	6.32E-05	0.001456
Srgap3_j3	0.977176	0.697617	-0.486183	0.0507081	0.260788
Srgap3_j6	6.49843	6.57233	0.0163149	0.876608	0.960779
Lhfp14_j3	56.0784	41.6177	0	1	1
Lhfp14	21.6726	13.2274	0	1	1

Camk1	5.68274	12.9839	0	1	1
Prrt3_j1	0.535859	0.440692	-0.282083	0.170573	0.507473
Tmem111	27.3383	27.3764	0	1	1
Sec13	42.2189	44.2498	0	1	1
Atp2b2_j3	4.48649	3.74286	0	1	1
Atp2b2_j5	5.63845	2.92335	0	1	1
Vgll4	3.10652	2.60785	0	1	1
Vgll4_j1	4.46013	4.454	0	1	1
1500001M20Rik	5.72042	6.1217	0.0978119	0.539438	0.808383
1500001M20Rik_j2	1.91718	1.29231	-0.569038	0.0258042	0.168081
Raf1	0.511301	0.488368	0	1	1
Tmem40_j2	0.567256	0 -1.79769e+308		4.19E-07	1.90E-05
Rpl32_j2	0.145968	0.028938	-2.33461	0.392417	0.718659
Rpl32	4.62199	5.23961	0.180946	0.477941	0.77269
BC060267_j4	0.134909	0.52561	1.96201	0.0010978	0.0153713
BC060267_j1	0.340693	0.138363	-1.30001	0.08617	0.358672
BC060267	0.751141	0.362729	-1.05019	0.0077582	0.071037
Mbd4_j2	0.121736	0.0298527	-2.02783	0.129482	1
Mbd4_j3	0.255485	0 -1.79769e+308		7.80E-08	4.34E-06
Mbd4	0.476605	0.447531	-0.0908087	0.764563	0.919275
Plxnd1_j2	0.890208	1.06892	0	1	1
Plxnd1	9.54347	7.86331	0	1	1
Tmcc1	1.81978	1.25409	0	1	1
Tmcc1_j5	0.775485	0.635595	0	1	1
Tmcc1_j2	0.575066	0.314191	0	1	1
Tmcc1	2.9647	2.95941	0	1	1
Tmcc1_j3	1.59708	1.98324	0	1	1
Zfp422	0.173868	0.297288	0.773866	0.262592	0.611643
Rassf4	4.37107	2.16193	0	1	1
Rassf4_j2	2.30791	1.27048	0	1	1
Tmem72_j4	0.214441	0.183582	0	1	1
Tmem72	3.31078	2.20563	0	1	1
Csgalnact2_j3	0.555814	0.176547	0	1	1
Csgalnact2	1.63268	1.63609	0	1	1
Ret_j8	21.7459	17.2685	0	1	1
Bms1_j1	0.0674623	0.0179863	0	1	1
Bms1	2.12715	2.06156	0	1	1
Zfp248	0.279415	0.272076	0	1	1
Zfp9	5.76222	5.59393	-0.0427635	0.721976	0.900833
Ankrd26_j4	0.0813995	0	0	1	1
Ankrd26_j1	0.733303	0.51333	0	1	1
Cacna1c	1.91415	1.72937	0	1	1
Lrtm2	0.0939095	0.238225	1.34298	0.0134587	0.106582
Adipor2	14.9689	15.8144	0.0792678	0.419885	0.73648
Adipor2	3.19561	2.96229	-0.109377	0.530729	0.80314
Erc1_j9	5.68969	6.56437	0	1	1
Erc1_j3	1.37819	1.07205	0	1	1

Erc1_j8	1.44915	1.58725	0	1	1
Wnk1_j1	14.8723	9.02235	0	1	1
Wnk1_j2	1.20099	0.634214	0	1	1
Wnk1_j15	9.03804	9.64789	0	1	1
B4galnt3_j4	0.0725866	0 -1.79769e+308	0.0258229		1
Cecr5_j1	0.120491	0.486837	0	1	1
Cecr5_j3	0.949839	2.11767	0	1	1
Cecr5	2.25747	1.88839	0	1	1
Atp6v1e1_j1	5.1188	5.63002	0	1	1
Atp6v1e1	140.335	141.383	0	1	1
Bid	6.85239	5.80927	0	1	1
Mical3_j3	0.990488	0.871569	-0.184524	0.474654	0.770791
Mical3_j4	0.248466	0.0760821	-1.70742	0.0006365	0.009954
Mical3_j6	0.804788	0.538742	-0.579013	0.0102807	0.087292
Iqsec3	2.84948	3.11297	0	1	1
Phc1_j4	0.137571	0.126686	0	1	1
Phc1_j3	1.19519	1.01983	0	1	1
Rimkb_j3	0.510148	0.623321	0.289058	0.491518	0.780571
Apobec1_j2	0.13841	0 -1.79769e+308	0.0014069	0.0187729	
Apobec1_j3	0.130902	0.0555644	-1.23626	0.321306	1
Slc2a3_j5	0.819489	2.24116	0	1	1
Slc2a3	13.7531	13.7257	0	1	1
Slc2a3_j7	0.66645	0.277657	0	1	1
C3ar1	0.442124	0.899305	1.02436	5.59E-07	2.49E-05
Pex5	4.47949	4.92609	0	1	1
Clstn3	21.7203	22.4615	0.0484124	0.59816	0.840629
C1s_j5	0.959479	1.29972	0.437877	0.162235	0.497579
C1s_j6	0.353605	0.450341	0.348878	0.490317	0.779913
Emg1	0.451279	0.454608	0.0106021	0.964686	0.990042
Ptpn6	0.816658	1.25305	0.617635	0.0181497	0.131804
Grcc10	30.3098	31.8486	0.071446	0.458858	0.761335
Eno2_j5	1.13149	0	0	1	1
Eno2_j6	0.345279	0.387937	0	1	1
Eno2	12.633	14.1902	0	1	1
Tpi1_j1	111.66	133.062	0	1	1
Tpi1	9.26575	9.84083	0	1	1
Usp5_j1	50.3245	54.5916	0	1	1
Usp5_j2	2.39171	1.83826	0	1	1
Usp5	18.4662	18.9103	0	1	1
Gnb3	0.384291	0.356093	-0.109945	0.814473	0.939456
Gnb3_j2	0.0919439	0 -1.79769e+308	0.0323161		1
Leprel2_j8	0.068588	0.015643	-2.13244	0.102581	1
Lag3_j6	0.109986	0 -1.79769e+308	0.0364379		1
Ptms_j7	2.32833	5.94452	0	1	1
Ptms	46.7111	46.382	0	1	1
Cops7a_j1	28.8811	23.7005	0	1	1
Ncapd2_j2	0.3664	0.223209	-0.715027	0.0220656	0.150846

Tapbpl_j1	2.78394	5.06699	0.864003	1.48E-05	0.0004327
Tapbpl	5.52654	3.75409	-0.557912	1.37E-06	5.46E-05
AK085609_j1	0.168249	0.13749	-0.291273	0.634536	0.858242
Ltbr_j1	2.88242	4.31598	0.582408	0.0154153	0.117261
Ltbr	4.56887	4.90007	0.100963	0.491344	0.780513
Plekhg6_j2	0.105838	0.239597	1.17875	0.0556953	0.275839
Cd9	121.594	128.156	0	1	1
Ntf3	0.323824	0.156493	-1.04911	0.136629	0.459682
Kcna5	0.277437	0.369579	0.413721	0.251181	0.59905
Kcna1	60.1006	43.2101	-0.476011	4.47E-08	2.67E-06
Kcna6	36.3843	35.5367	-0.0340066	0.691589	0.885756
Ndufa9_j1	17.6425	19.3986	0	1	1
Dyrk4_j7	0.0739898	0 -1.79769e+308	0.0311497		1
Dyrk4_j10	0.280238	0.251159	-0.158056	0.747483	0.912113
Rad51ap1	0.363133	0.417856	0.20251	0.640705	0.861242
Rad51ap1	0.19067	0.0386098	-2.30404	0.0739382	0.327808
9630033F20Rik	16.1806	15.9643	-0.019409	0.837964	0.948329
Ccnd2	0.627882	0.711578	0.180527	0.42182	0.737912
Prmt8	9.05959	6.62384	-0.451778	0.0004299	0.0071763
XLOC_028421	0.070562	0.0316584	0	1	1
Tspan9_j1	1.24671	0.000245225	-12.3117	0.613842	0.847685
Tspan9	1.77454	2.39527	0.432738	0.0140739	0.109887
AK033854_j5	1.08177	1.11927	0	1	1
AK033854_j6	0.626197	0.288779	0	1	1
Tead4_j1	0.135061	0.0162204	-3.05773	0.143135	1
Tulp3	6.79418	7.07835	0.0591128	0.628756	0.855636
5930416I19Rik	1.54423	2.14232	0	1	1
5930416I19Rik	1.95962	1.80722	0	1	1
Itfg2	1.94423	1.85062	0	1	1
Fkbp4	30.8187	24.1858	0	1	1
BC048546	25.8627	27.9283	0	1	1
Klrb1b	0.0768116	0.168987	1.13752	0.155241	0.488418
AK009064	0.210875	0.248834	0.238794	0.72083	0.900095
AK036632_j2	0.459033	0.424063	-0.11432	0.885193	0.963642
Clec1a	0.177724	0.160219	-0.149598	0.753783	0.915037
Gm5581	0.269901	0.083569	-1.69139	0.0175007	0.128355
Magohb	4.27004	4.23742	-0.0110631	0.964391	0.989999
Csda_j1	2.95906	4.38533	0	1	1
Csda	7.96322	11.5193	0	1	1
Csda	4.67159	5.78607	0	1	1
Lrp6	1.1999	0.845884	0	1	1
Mansc1	1.8669	1.59654	-0.225697	0.0930824	0.375357
Dusp16	1.81809	1.56323	-0.217899	0.211089	0.555889
Hebp1	1.99134	2.73999	0.460429	0.0583509	0.283601
Plbd1	0.846595	1.33842	0.660784	0.0028487	0.0330436
Wbp11	14.6666	11.0856	0	1	1
Art4_j2	0.0518918	0 -1.79769e+308	0.0370857		1

Mgp	6.63453	11.9778	0.852297	3.09E-07	1.46E-05
Rerg	0.593742	0.271939	-1.12655	0.0065533	0.0625462
Eps8	0.865873	1.0693	0	1	1
Eps8_j2	0.227613	3.42E-05	0	1	1
Eps8	0.452784	0.727285	0	1	1
Slc15a5_j1	0.138882	0.12266	-0.179193	0.891108	0.965576
Slc15a5_j7	0.266035	0 -1.79769e+308		9.82E-05	0.0021207
Lmo3_j1	0.113872	0 -1.79769e+308		0.000381	1
Rpl38-ps2	228.276	272.627	0.256149	0.007161	0.067024
Slco1a4_j3	1.45683	1.2951	-0.169769	0.462918	0.763401
Slco1a4_j10	0.465331	0.364336	-0.35299	0.514357	0.793394
Recql	5.61513	4.87077	-0.20517	0.115081	0.421986
Ldhd	30.5377	21.5476	0	1	1
Kcnj8_j2	0.119887	0 -1.79769e+308		0.0051774	1
Kcnj8_j3	0.403642	0.440879	0.127308	0.779234	0.925601
Kcnj8	0.176368	0.260664	0.563609	0.385646	0.714209
Abcc9_j2	0.0965938	0.106293	0.138044	0.864133	1
St8sia1	0.671709	0.439252	0	1	1
St8sia1_j4	2.79549	2.25266	0	1	1
St8sia1_j5	3.92701	2.63599	0	1	1
St8sia1_j2	0.0939695	0.0524744	0	1	1
5730419I09Rik_j4	5.94966	6.12573	0	1	1
5730419I09Rik_j7	3.96431	3.61105	0	1	1
5730419I09Rik_j5	0.0922348	0.0227618	0	1	1
XLOC_028478	0.206466	0.0634416	-1.7024	0.062347	0.295582
AK086149	0.771678	0.880952	0.191064	0.41392	0.732571
Bcat1_j1	2.15036	2.69339	0	1	1
Bcat1	18.2636	11.5127	0	1	1
Bcat1_j4	2.6873	0	0	1	1
Casc1_j2	0.0496107	0 -1.79769e+308		0.064872	1
Nras_j1	1.41622	2.20119	0.63624	0.0008051	0.0120371
Kras	14.2272	12.4288	-0.19496	0.040872	0.227098
Bhlhe41	0.363001	0.422181	0.217889	0.423971	0.739374
XLOC_028490	0.278156	0.665062	1.2576	0.107067	0.406551
Itpr2_j2	0.0969015	0.0988912	0.0293244	0.965751	1
Tm7sf3_j3	0.128782	0.0997786	0	1	1
Tm7sf3	9.86134	8.71205	0	1	1
Pthlh	2.26354	2.54651	0.16994	0.365477	0.699338
Ergic2_j1	3.67977	3.71067	0	1	1
Tmtc1_j1	0.363941	0.208126	0	1	1
Ipo8	4.37308	4.07041	0	1	1
Caprin2	2.60032	2.35714	0	1	1
Caprin2_j8	0.704336	0.739381	0	1	1
Dennd5b	1.004	0.600283	0	1	1
Amn1	2.39468	2.87632	0.264396	0.290953	0.638208
Gm15782	5.53782	6.6755	0.269556	0.206832	0.551471
XLOC_027557	0.0956824	0.132785	0.472771	0.760956	1

Col1a2	12.2861	13.6572	0	1	1
Col1a2_j3	0.0702022	0	0	1	1
Neurabin_j6	0.0274441	0.133738	0	1	1
Neurabin_j7	0.0833356	0.17757	0	1	1
Dync1i1	21.2321	18.582	0	1	1
Tac1_j2	0.362822	0.0724438	-2.32433	0.301245	0.647609
Nxph1	1.48945	1.19553	-0.317131	0.217312	0.563505
Phf14_j4	2.76194	3.50926	0.345485	0.312404	0.65699
Cav1	6.15222	6.06169	0	1	1
St7	0.237881	0.12147	-0.969648	0.266287	0.615495
St7_j1	1.1369	1.48862	0.388871	0.310505	0.655231
St7_j2	0.556752	0.963632	0.791448	0.0385973	0.218826
St7	1.42864	1.0471	-0.448246	0.13633	0.459356
Ing3_j1	2.28007	2.66605	0.225623	0.279257	0.628017
Wnt16_j2	0.0436253	0.157633	1.85333	0.24129	0.588445
XLOC_027589	0.0963992	0.129687	0.427942	0.638355	1
XLOC_027589	0.0890059	0.122322	0.458707	0.543287	1
Flnc_j3	1.20289	3.70308	1.62222	0	0
Irf5	0.214391	0.483549	1.17342	0.0345755	0.204148
Smo_j1	1.95703	2.25283	0.203076	0.286266	0.63506
Ahcyl2	6.81273	4.17446	0	1	1
Nrf1	2.77282	3.15449	0.186049	0.223633	0.570873
Klhdc10_j1	0.732853	0.988411	0	1	1
Exoc4_j1	6.63284	6.73534	0	1	1
Exoc4_j5	5.90647	6.49963	0	1	1
Akr1b8	3.3168	10.5757	1.67289	0	0
Cald1_j2	3.12704	3.49686	0	1	1
Agbl3_j2	0	0.143875	1.79769e+308	0.0040627	1
1810058I24Rik_j2	13.56	14.6973	0	1	1
Trim24_j2	1.37757	1.61072	0.22558	0.311079	0.655898
Ubn2_j3	0.125177	0.172359	0.461444	0.744426	0.910803
Ubn2_j4	0.268357	0.121789	-1.13977	0.341547	0.681458
Luc7l2_j3	0.119972	0	0	1	1
Clec2l_j1	90.2859	46.523	-0.956556	1.11E-15	2.45E-13
Tbxas1_j4	0.0132956	0.202626	3.9298	0.39203	0.718383
Ndufb2	1.78715	2.00082	0	1	1
Agk_j1	0.0996212	0.211911	1.08894	0.347151	0.685836
Ephb6_j1	0.889999	1.39716	0.650624	0.0232728	0.156315
Casp2_j3	0.320729	0.196363	0	1	1
Zyx_j2	18.3588	20.3599	0	1	1
Zyx_j8	0.155275	0.0935738	0	1	1
Arhgef5_j7	0.10237	0.179549	0.81059	0.437954	0.747865
Cul1	2.81609	2.66798	-0.0779433	0.613913	0.847685
XLOC_027664	0.69164	0.846254	0.29107	0.590231	0.836402
Zfp282_j5	1.56836	2.0968	0.418932	0.0164575	0.12283
Zfp212	2.25828	2.29219	0.0215027	0.911881	0.972279
mKIAA4190_j4	0.162556	0.101753	-0.675863	0.376739	0.708706

Zfp956	0.357215	0.368108	0.0433362	0.923741	0.976223
Krba1_j5	0.338883	0.144214	-1.23258	0.01184	0.0972113
Krba1_j4	0.694696	1.0324	0.571552	0.0154606	0.117458
Krba1_j7	1.82943	2.53718	0.471834	0.0499156	0.258155
Sspo_j8	0.0612974	0 -1.79769e+308		0.0814294	1
Zfp862_j2	3.69798	4.59516	0.31338	0.0093803	0.081726
Atp6v0e2_j2	178.483	167.171	-0.0944648	0.271603	0.620436
Repin1	0	0.0676052 1.79769e+308		0.0304742	1
Repin1	0.0531528	0 -1.79769e+308		0.0249967	1
AI854703	0.115972	0 -1.79769e+308		0.0009761	1
AI854703_j4	0.323491	0.149558	-1.11302	0.121226	0.43358
AI854703_j7	1.44496	1.28468	-0.169618	0.575812	0.828497
Gimap8_j2	0.0523817	0.0291475	-0.845691	0.665424	1
Gimap4_j1	0.628273	0.695357	0.146362	0.79724	0.932581
2410003K15Rik_j4	0.354999	0.292774	-0.27803	0.69226	0.886092
D330028D13Rik	0.0249405	0.114634	2.20047	0.151796	1
AK043004_j5	0.135674	0.0740122	-0.87431	0.545602	1
Snx10	9.84261	12.6497	0	1	1
5730446D14Rik_j3	0.0527386	0.0320133	-0.720188	0.595148	1
Tax1bp1_j1	12.1302	12.9877	0	1	1
Prr15_j1	0.258536	0.371457	0.522826	0.492107	0.78083
Gars	16.8736	20.0053	0.245612	0.0118164	0.0970832
Aqp1_j2	44.5898	54.7774	0	1	1
Herc6_j2	0.0786434	0.182496	1.21447	0.0369706	0.212822
Lancl2_j2	10.4958	9.64599	0	1	1
Abcg2_j1	6.04226	6.47654	0	1	1
Abcg2_j3	2.10686	4.27601	0	1	1
Herc3_j1	1.33746	1.40509	0	1	1
XLOC_027720	0.0930668	0.0562352	-0.726795	0.689495	1
Fam190a_j5	0.241552	0.390547	0.693164	0.407365	0.727951
A930038C07Rik_j1	2.20354	1.99093	-0.146383	0.460688	0.762129
Prdm5_j10	0.0642794	0.0561065	-0.19619	0.920845	1
Mad2l1_j1	0.0986112	0 -1.79769e+308		0.0479446	1
Mad2l1_j4	0.139948	0.000232844	-9.23131	0.922143	0.975642
Gng12	0.37887	0.604075	0	1	1
AK054076_j1	0.568118	0.595488	0.0678813	0.87816	0.96104
AK054076_j2	0.312576	0.149955	-1.05967	0.188206	0.529448
AK054076_j3	0.181367	0.0741722	-1.28996	0.211907	0.556689
AK054076_j4	0.47685	0.492873	0.0476812	0.873826	0.959888
abParts_j1	0	0.244899 1.79769e+308		0.033378	0.19947
abParts_j2	0.629909	0.571596	-0.140148	0.848638	0.952118
Eif2ak3_j1	0.393339	0.573635	0.544359	0.233668	0.581007
Krcc1_j2	7.3442	7.45755	0.0220959	0.886264	0.963839
Vps24_j1	7.04624	9.18348	0	1	1
Reep1_j1	8.47143	15.6146	0	1	1
Immt_j1	0.852352	0.739156	0	1	1
Immt_j2	1.48385	0	0	1	1

0610030E20Rik_j1	0	0.0473255	0	1	1
Suclg1_j3	0.277484	0.228523	-0.280069	0.747163	0.911904
Lrrtm1	0.234269	0.228804	0	1	1
Lrrtm1_j4	4.48801	3.86557	0	1	1
Gm5576	8.25007	8.50772	0.044365	0.759242	0.917118
Loxl3_j2	0.686898	1.03238	0.587803	0.0041849	0.044312
Aup1_j2	16.0621	17.2735	0.104902	0.418741	0.735495
Pcgf1_j2	0.0876996	2.27679	4.69829	0	0
Ccdc142_j3	0.808719	0.788507	-0.0365136	0.905515	0.969961
Dctn1_j3	0.371435	0.170341	0	1	1
B230319C09Rik_j2	0.194243	0.110403	0	1	1
AK137133_j1	0.057387	0.0203795	-1.4936	0.549502	1
Nagk_j1	3.40919	3.66959	0	1	1
Nagk_j4	11.0886	16.45	0	1	1
Nagk_j5	5.62675	5.15146	0	1	1
Zfml_j2	2.4742	2.45757	0	1	1
Dysf_j5	8.39493	11.2182	0	1	1
Smyd5	16.4606	17.6256	0.0986565	0.330343	0.672205
Alms1_j11	0.169528	0.161019	-0.0742918	0.969701	0.99148
Alms1_j2	0.562367	0.698103	0.311927	0.478	0.77269
Alms1_j4	0.116193	0.211231	0.862303	0.407141	0.727764
Add2	7.39318	9.03063	0	1	1
Snrpg_j4	2.71143	3.58259	0.401947	0.291925	0.638801
Aak1_j1	1.80553	1.97333	0	1	1
Nfu1_j1	0.314502	0.0724368	0	1	1
Gfpt1_j1	0.0807063	0	0	1	1
Copg_j4	27.7263	38.0269	0	1	1
Copg_j5	0.144698	0.665636	0	1	1
Gm5577	0.559513	0.570073	0.0269755	0.949718	0.985412
XLOC_027797	0.0467807	0.0448756	-0.0599797	0.964373	1
Ruvbl1_j4	0.27525	0.557706	1.01876	0.186645	0.527475
Ruvbl1_j3	0.64658	0.16605	-1.96121	0.175758	0.514267
Tpra1_j3	0.856321	2.36363	0	1	1
Hdac11_j1	5.94135	6.94268	0.224701	0.169016	0.505791
Fbln2_j5	6.20423	3.8065	0	1	1
Arl6ip5_j3	0.196892	0.0384884	-2.35491	0.240568	0.588013
Mitf_j4	0.0424721	0.0508249	0.259018	0.86727	1
Lrrn1_j2	37.3291	30.4643	0	1	1
Bhlhe40_j1	4.72437	3.40703	0	1	1
Brpf1	0.101341	0.0768167	-0.399729	0.638786	1
Arpc4	13.4071	15.8882	0	1	1
Jagn1_j1	1.31439	1.53585	0	1	1
Il17rc_j4	0.419148	0.377064	-0.152649	0.76238	0.918113
Il17rc_j6	0	0.152628	1.79769e+308	0.0378559	1
Creld1_j1	48.6053	50.0095	0.0410885	0.670256	0.875235
Creld1_j2	0.45178	0.409466	-0.141876	0.820161	0.941808
6720456B07Rik_j1	36.7036	37.8441	0	1	1

Syn2	29.4924	25.9915	-0.182302	0.0566748	0.278482
Tsen2_j2	1.23437	1.01387	-0.283894	0.4516	0.756717
Mkrn2	0.622479	0.667641	0	1	1
Cand2_j1	0.0747199	0.1178	0.656773	0.611383	1
Cand2_j2	0.147122	0.0532632	-1.4658	0.0275445	0.175637
mFLJ00025_j1	2.6635	3.6268	0	1	1
mFLJ00025_j4	6.82748	5.8463	0	1	1
mFLJ00025_j3	10.1733	11.8407	0	1	1
Rho_j3	0.217717	0.35601	0	1	1
D6Wsu116e	0.538095	0.50335	-0.0962988	0.748883	0.912691
D6Wsu116e_j4	8.28133	12.0688	0.543343	0.0008926	0.0130769
March8_j2	0.139284	0.365794	0	1	1
March8_j3	0.056962	0.294919	0	1	1
Zfp637_j1	0.0621971	0.118094	0.925019	0.318722	1
Zfp239_j2	0.0522782	0.119655	1.1946	0.220113	1
Hnrnpf_j2	4.45898	4.58252	0	1	1
Rasgef1a_j5	0.168115	0 -1.79769e+308	0.0003279	0.0057497	0.0057497
Dcp1b_j5	1.12039	0.748037	-0.582815	0.135113	0.457301
Rad52_j9	0.149027	0 -1.79769e+308	0.0056716	0.0559341	0.0559341
Rad52_j8	1.05341	1.71217	0.700761	0.0302383	0.186706
Kdm5a_j9	0.519708	0.56335	0	1	1
Clec4a1_j1	0.18462	0.356724	0.950247	0.313313	0.657596
Clec4a3_j2	0.213854	0.360425	0.753074	0.319728	0.663064
C1ra_j2	0.269122	0.68902	1.35628	0.0381908	0.217229
Lpcat3_j3	0.202364	0.218601	0.111349	0.783725	0.92714
Phb2	0.11229	5.51658	5.61848	0	0
Zfp384_j1	0.106356	0.0390811	0	1	1
Acrbp_j8	1.91556	1.87332	-0.0321695	0.878036	0.960961
Acrbp_j15	0	0.0558206 1.79769e+308	0.0927188	1	1
Acrbp_j14	0.351452	0.486942	0.47042	0.303872	0.649532
Lpar5	0.0222135	0.0553034	1.31593	0.176573	1
Iffo1_j4	0.600075	0.891273	0	1	1
Iffo1	0	1.05007	0	1	1
E130112N10Rik_j2	0.13546	0 -1.79769e+308	0.0064077	1	1
Tnfrsf1a_j3	0.267549	1.49782	2.48498	1.20E-05	0.0003616
XLOC_027942	0.108906	0.0974745	-0.159993	0.836774	1
XLOC_027948	1.92E-05	0.0912379	12.2173	0.960535	1
XLOC_027949	0.266281	0.127533	0	1	1
Tspan11_j3	0.203634	0.110934	-0.876278	0.411704	0.730802
Foxm1	0.0520365	0.0867927	0.738051	0.312516	1
Nrip2_j2	3.4947	1.99454	0	1	1
Loh12cr1_j2	8.39567	7.50704	-0.161401	0.398677	0.722617
Crebl2_j2	0.292474	0.378396	0	1	1
Crebl2_j1	3.39899	2.1177	0	1	1
AK012387	0.119923	0.269854	1.17007	0.149835	0.479601
8430419L09Rik_j4	5.25096	6.14313	0	1	1
Plekha5_j12	10.1457	10.6433	0.0690856	0.609426	0.846192

Golt1b_j1	0.325644	0.48275	0.567978	0.25853	0.607334
AK043509_j2	0.0715467	0.0874509	0.289589	0.724236	1
AK039595	0.0956631	0.132693	0.472062	0.647416	1
Sspn_j1	0	0.616799	0	1	1
Stk38l_j7	0.13928	0.0404143	-1.78505	0.333046	0.674032
Arntl2_j9	0.0753023	0.287134	1.93096	0.0735767	0.326919
Arntl2_j10	0.34189	0.397434	0.217185	0.717057	0.897869
Sgce_j1	1.13615	1.29343	0	1	1
Sgce_j6	2.64751	1.84552	0	1	1
Pon2_j2	1.64941	3.09701	0.908925	0.0086765	0.0770969
Asns_j3	0.63879	1.25995	0	1	1
Asns_j4	11.7868	6.98777	0	1	1
Col28a1_j7	0.111176	0.162433	0	1	1
Col28a1_j8	0.357076	0	0	1	1
Ica1_j3	0.222092	0	0	1	1
Ica1_j4	2.88176	2.58328	0	1	1
XLOC_028052	0.0549596	0.053728	-0.0326956	1	1
Tmem168_j2	3.35605	2.9766	0	1	1
Gpr85_j2	0.650501	1.44908	0	1	1
2610001J05Rik_j2	23.3638	30.8745	0.402143	0.001845	0.0234365
Tspan12_j2	0.100071	0	-1.79769e+308	0.0060286	1
Cadps2_j1	0.838585	0.820133	0	1	1
Cadps2	0.291562	0	0	1	1
Ndufa5_j4	26.6848	22.7937	0	1	1
Pot1a_j2	1.97982	2.2527	0	1	1
Pot1a_j3	1.24295	1.23767	0	1	1
Grm8_j4	0.981639	0.475148	-1.04681	0.0020242	0.0252268
Grm8_j5	0.757856	0.789487	0.0589934	0.842691	0.950279
Zfp800_j8	0.383671	0.239202	-0.681638	0.24146	0.588512
Gcc1	0.418052	0	-1.79769e+308	2.30E-18	6.22E-16
Rbm28_j2	0.0675884	0.716462	3.40604	1.03E-07	5.54E-06
Prmt4_j1	0.21902	1.21E-05	-14.1442	0.985839	0.995741
Impdh1	12.3904	10.0886	0	1	1
Impdh1	11.812	9.97845	0	1	1
Tmem209_j4	1.14406	1.59748	0	1	1
AK085764	0.271195	0.331618	0	1	1
Wdr91_j4	0.60978	0.783719	0.362049	0.0564354	0.278029
Wdr91_j2	0.220559	0.158113	-0.480216	0.165556	0.502234
Cnot4_j3	0.159686	0.124905	0	1	1
Slc13a4_j1	0.508296	0.715159	0.492595	0.304989	0.65013
Slc13a4_j2	0.159539	6.84E-05	-11.1881	0.953319	0.986435
Mtpn_j1	28.6144	27.8092	0	1	1
9330158H04Rik_j1	0.408624	0.170513	-1.26089	0.322786	0.665874
9330158H04Rik_j2	0.0526517	0.170234	1.69296	0.411705	0.730802
Ptn_j2	1.94437	0.779558	0	1	1
Dgki_j1	1.52241	1.0964	-0.473586	0.0045827	0.0475434
Creb3l2_j3	0.930435	0.387689	0	1	1

Svopl_j1	0.216539	0.380212	0.812178	0.149362	0.478596
D630045J12Rik_j4	0.242588	0	0	1	1
D630045J12Rik_j2	0.500626	0.743858	0	1	1
Zc3hav1_j6	0.123668	0.0369256	0	1	1
Zc3hav1	0.981705	1.36322	0	1	1
Klrg2_j4	0.304319	0.381627	0.326576	0.28713	0.635532
Klrg2_j3	0.13954	0.0525058	-1.41014	0.0753689	0.331407
Klrg2	0.764557	0.484891	-0.656963	0.0281259	0.177947
Dennd2a_j6	0	0.0512053	0	1	1
Braf_j1	0.459575	0.357597	0	1	1
Braf_j3	0.816199	0.684993	0	1	1
Braf_j2	0.375895	0.378569	0	1	1
E330009J07Rik_j1	1.18114	1.60816	0	1	1
Fam115a_j3	3.74994	2.17714	0	1	1
Fam115a_j2	0.547956	5.38324	0	1	1
Tpk1_j1	0.00060174	0.462966	9.58755	0.544807	0.811727
Tpk1_j2	0.361617	0.15163	-1.25391	0.0901353	0.368628
Ezh2_j10	0.191306	0.333101	0.800081	0.373242	0.706161
Ezh2_j11	0.0469376	0.437424	3.22022	0.0004194	0.0070347
Pdia4_j1	5.99301	8.4466	0.495088	0.0034161	0.0381792
Zfp777_j3	0.956296	0.846636	0	1	1
Zfp746_j5	0.000560481	0.224269	0	1	1
Zfp746_j3	1.69105	2.89212	0	1	1
Zfp467	0.350105	0.277705	-0.334231	0.510822	0.791332
Rarres2_j3	0.960588	2.81026	0	1	1
Tmem176b_j4	27.6619	24.468	0	1	1
Osbpl3_j2	8.66245	10.7292	0	1	1
Osbpl3_j3	4.48716	5.81495	0	1	1
Osbpl3_j5	0.960352	0.725186	0	1	1
Osbpl3_j6	32.2137	29.3301	0	1	1
Hnrnpa2b1_j3	21.8769	26.2824	0.264692	0.0272462	0.174397
Hnrnpa2b1_j4	6.40532	4.5076	-0.506911	0.0008976	0.0131383
Hoxa3_j2	0.151781	0.134575	0	1	1
Hoxa4	1.35556	1.406	0.0527089	0.852771	0.953351
Hoxa7_j1	1.52675	0.766481	0	1	1
Hoxa7_j7	1.31626	1.29957	0	1	1
Hoxa9_j2	8.87814	8.12283	0	1	1
Hoxa9_j6	10.8142	11.1168	0	1	1
Hoxa10	4.85832	4.86595	0	1	1
9130019P16Rik_j1	0.35252	0.287489	0	1	1
Scrn1_j3	7.15457	7.45628	0	1	1
Pde1c	2.42364	4.34602	0	1	1
Kbtbd2_j1	3.09273	5.26156	0	1	1
Kbtbd2	16.348	10.4727	0	1	1
Ppm1k_j4	0.0186661	0.0979094	2.39103	0.506607	1
XLOC_028190	0.171085	0.0659151	-1.37603	0.121527	0.434092
Hpgds_j2	0.0634349	0.0553887	-0.195686	0.885528	1

Rmnd5a_j2	9.81776	10.4159	0	1	1
Kdm3a_j1	0.318345	0.239899	-0.408163	0.413333	0.732145
Kdm3a_j2	0	0.0517358	1.79769e+308	0.0411114	1
Mrpl35_j1	41.337	48.8756	0	1	1
Ptcd3_j6	2.45677	2.20991	0	1	1
Rnf181_j2	10.4526	6.64871	0	1	1
Rnf181_j1	3.53745	3.54845	0	1	1
Vamp8	0	1.09406	1.79769e+308	0.0001887	0.0036547
Mat2a	0.806123	0.78802	-0.0327673	0.881195	0.9623
Sh2d6_j1	0.000322877	0.346389	10.0672	0.93599	0.980349
Elmod3_j1	1.91993	1.57309	-0.287448	0.0271023	0.173886
Tcf7l1	0.863824	0.641283	-0.429775	0.174401	0.512384
Tmsb10_j1	0.101925	0.0945254	-0.108729	0.95916	1
Tmsb10	3.90472	4.40804	0.174916	0.619794	0.850855
Dnahc6_j1	0.187073	0.268116	0.519256	0.614908	0.847925
Dnahc6_j5	0.0756248	0.0470101	-0.685889	0.496165	1
Dnahc6_j14	0.0823477	0.0634764	-0.375508	0.754255	1
Ctnna2_j1	2.66038	0	0	1	1
Ctnna2_j14	0.0228958	0.455492	0	1	1
Sema4f_j2	6.79051	5.07155	0	1	1
Dok1_j2	1.51893	0.835968	-0.861532	0.0185943	0.134058
AK161590_j3	0.0840701	0	-1.79769e+308	0.0055104	1
Wbp1_j3	0.0394721	0.0935673	0	1	1
Cd207	0.142036	0.353555	1.31568	0.0336359	0.200495
Exoc6b_j1	3.11938	3.73226	0	1	1
Sfxn5_j1	2.74272	2.97853	0	1	1
Rab11fip5_j1	34.7828	44.9033	0	1	1
Fbxo41_j1	4.75011	4.41132	0	1	1
1700019G17Rik_j1	0.165186	0.386002	1.22452	0.017844	0.130129
1700019G17Rik	1.22559	1.02379	-0.259552	0.256866	0.60573
Dusp11_j7	0.367808	0.661908	0	1	1
AK079912	0.395333	0.406069	0.0386556	0.961786	0.989212
Aplf_j2	0.393001	0.30876	-0.34805	0.531421	0.803508
AK131825_j4	0.0848258	0	-1.79769e+308	0.0426511	1
AK131825_j1	0.116262	0.253734	1.12593	0.165743	0.502417
Cnbp_j2	0.259262	0.72204	0	1	1
Abtb1_j3	9.36993	7.03694	0	1	1
Podxl2_j1	0.264976	0.350058	0.401735	0.585674	0.834044
Ccdc37_j3	0.279545	0.546354	0.966755	0.0012732	0.0173497
Ccdc37_j2	0.325441	0.523356	0.685395	0.0606245	0.290208
Ccdc37_j1	0.115613	0	-1.79769e+308	6.17E-06	1
lqsec1_j5	0	0.0500248	0	1	1
Chchd4_j1	5.62339	4.92078	0	1	1
Grip2_j9	1.12431	1.32554	0	1	1
Grip2_j8	0.537823	0.688211	0	1	1
Grip2_j10	0	0.049133	0	1	1
Prickle2_j5	0	0.940553	0	1	1

Adamts9_j6	0.127255	0.380952	1.58189	0.0004749	0.0077948
Magi1_j4	1.3742	1.1182	0	1	1
Magi1_j10	2.46572	1.70487	0	1	1
Fam19a4_j4	1.71279	1.07353	0	1	1
A130022J15Rik_j1	2.06954	2.2075	0.0931024	0.671755	0.876082
Tmf1_j2	4.98989	5.06826	0	1	1
Uba3	40.5534	37.7063	0	1	1
Frmd4b_j6	0.649488	0.44189	-0.555615	0.0748488	0.330073
Gm765_j1	47.1047	31.0865	0	1	1
Foxp1_j2	0.14429	0.000177227	0	1	1
Foxp1_j1	0.213088	0.235394	0	1	1
Foxp1_j5	0.515597	0.381117	0	1	1
Eif4e3_j1	2.6878	1.79488	0	1	1
Cntn3_j1	0.384704	0.348539	-0.142428	0.768435	0.921133
Crbn_j1	0.617207	0.49514	0	1	1
Crbn	36.3709	26.6923	0	1	1
Rad18_j2	0.305374	0 -1.79769e+308		2.25E-12	3.04E-10
Srgap3_j1	1.47549	0 -1.79769e+308		9.36E-49	3.33E-46
Lhfpl4_j2	0.142694	0.0382815	0	1	1
AK016007_j1	0.622657	0.42575	-0.548432	0.406568	0.727764
Camk1_j3	12.3755	34.1372	0	1	1
Rpusd3_j1	0.780699	0.761958	-0.0350542	0.935777	0.98034
Rpusd3	2.45118	2.42625	-0.0147528	0.948126	0.984981
Prmt3	6.00915	2.32699	-1.3687	0	0
Tmem111_j1	0.241862	0.160086	0	1	1
Atp2b2_j9	0.939047	0.779105	0	1	1
Raf1_j1	6.63908	7.10002	0	1	1
Tmem40	0.114065	0.454243	1.99361	0.020556	0.143588
BC060267_j2	0.14715	0.535998	1.86494	0.0169149	0.125322
Mbd4_j7	0	0.102687	1.79769e+308	0.0132967	1
Plxnd1_j5	9.68993	9.56418	0	1	1
Plxnd1_j6	0.0516191	0	0	1	1
Tmcc1_j1	0.180858	0	0	1	1
AK020619_j1	0.10984	0.123942	0.174264	0.859995	1
Zfp422	6.0627	6.72664	0.149927	0.292739	0.639709
Rassf4_j1	0.849918	0.702595	0	1	1
Csgalnact2_j1	0	0.420977	0	1	1
Ret_j2	7.97982	8.18079	0	1	1
Ret_j10	151.861	193.221	0	1	1
Zfp248_j3	0.734863	0.957252	0	1	1
Zfp248_j2	1.7224	1.69649	0	1	1
Cacna1c_j5	1.23474	0.975339	0	1	1
Erc1_j10	0.711154	0.952496	0	1	1
Wnk1_j7	11.2965	17.4499	0	1	1
Ccdc77_j1	0.308716	0.329732	0.0950166	0.86203	0.956374
Ccdc77_j2	0.262236	0.401164	0.613328	0.189761	0.531612
Cecr5_j5	0.579878	0.497001	0	1	1

Atp6v1e1_j4	39.8925	37.3876	0	1	1
Mical3_j1	6.87742	7.34211	0.0943279	0.448729	0.755217
Mical3_j2	0	0.21058 1.79769e+308		2.34E-05	0.0006308
Iqsec3_j1	0.222775	0.148569	0	1	1
Rimklb_j1	0.34735	0.202243	-0.780302	0.0648269	0.302871
Rimklb	0	0.157924 1.79769e+308		0.0003749	0.0064286
Apobec1	1.07266	1.52395	0.506625	0.0443587	0.240199
Slc2a3_j6	0.59808	1.52756	0	1	1
Slc2a3_j2	0.0515117	0.667552	0	1	1
Slc2a3_j3	0.53199	0.968717	0	1	1
Pex5_j1	0.502319	1.18787	0	1	1
Clstn3_j1	7.7044	10.0262	0.380021	0.0285519	0.179787
C1s_j3	0.0329917	0.130948	1.98882	0.169072	1
C1s_j1	0.179844	0.475319	1.40215	0.0288949	0.181085
Emg1_j1	9.61362	11.1042	0.207947	0.104268	0.400573
Atn1_j4	3.83098	4.20516	0	1	1
Atn1	16.5171	15.6145	0	1	1
Atn1_j3	6.86565	6.9051	0	1	1
Eno2_j1	255.72	233.251	0	1	1
Usp5_j4	0	1.50673	0	1	1
Usp5_j5	4.15837	2.20345	0	1	1
Leprel2_j6	0.504687	0.371595	-0.441657	0.329444	0.671701
Gpr162_j1	3.37101	3.8307	0.184426	0.498766	0.78413
Gpr162	5.04132	4.1563	-0.278503	0.0660155	0.306719
Lag3_j11	0.0828948	3.02E-05	-11.4228	0.986699	1
Ptms_j1	210.03	174.305	0	1	1
Ptms_j3	1.69524	0.933885	0	1	1
Cops7a_j3	3.24459	5.36675	0	1	1
Cops7a_j2	11.6959	10.4494	0	1	1
Ncapd2_j3	0.697091	0.895203	0.360868	0.0769691	0.335484
Ntf3	0.526522	0.201229	-1.38766	0.0328735	0.197472
XLOC_028410	4.26476	4.83043	0.179687	0.342115	0.681894
Ndufa9_j2	8.88685	5.37782	0	1	1
Rad51ap1_j2	0.0813424	0.0790273	-0.0416567	0.973862	1
XLOC_028420	0.529174	0.487162	0	1	1
AK033854	0.466773	0.492703	0	1	1
Fkbp4_j3	6.29004	3.60424	0	1	1
BC048546_j3	1.03441	0.534102	0	1	1
AK036632_j1	0.0925018	0.135519	0.550943	0.640708	1
Clec1a_j2	0.0483305	0.0035028	-3.78635	0.308979	1
Gm5886	0.088343	0.168653	0.932874	0.410096	0.730173
Lrp6_j1	2.51188	1.6362	0	1	1
Gpr19	4.73153	6.49505	0.457033	0.0078478	0.0715464
Gpr19	2.56476	3.61386	0.494713	0.031438	0.191565
Hebp1_j1	1.67516	1.84786	0.141556	0.707423	0.89332
Wbp11_j2	0.152036	2.17908	0	1	1
Art4_j1	0	0.18066 1.79769e+308		0.004571	0.047472

Art4	0.712379	0.543593	-0.390117	0.178739	0.518255
Arhgdib	0.0813399	0.250491	1.62273	0.17617	0.514817
Arhgdib	1.32322	2.40418	0.861495	0.0028224	0.032824
Arhgdib_j1	0.321134	0.672174	1.06566	0.147343	0.476
Slc15a5_j6	0.0405263	0.085218	1.0723	0.551456	1
Slco1a4_j11	0.471448	0.414511	-0.185688	0.70991	0.894313
Slco1a4_j9	0.626829	0.00010894	-12.4903	0.919105	0.974692
Slco1a4_j12	1.02195	0.922879	-0.147114	0.65047	0.865852
Slco1a5_j1	0.275594	0.23544	-0.227182	0.661781	0.871768
Ldhb_j2	38.7153	31.5819	0	1	1
Bcat1_j2	9.06422	10.2302	0	1	1
Bcat1	3.49046	10.9606	0	1	1
XLOC_028486	0.114692	0.107806	-0.0893255	0.91394	1
Tm7sf3_j1	0.676163	0.924591	0	1	1
Gm15767	0.173326	0.563934	1.70204	0.0108383	0.0907771
Ergic2	0.625746	0.415878	0	1	1
Tmtc1_j4	16.352	15.0196	0	1	1
Tmtc1	13.1063	11.1235	0	1	1
Ipo8_j3	3.64641	4.16974	0	1	1
Amn1_j1	9.52214	10.2994	0.113203	0.518885	0.796709
Ppp1r9a	0.519736	0.334441	0	1	1
Neurabin_j10	0.684422	0.370522	0	1	1
Neurabin_j12	2.64512	2.54137	0	1	1
Dync1i1_j1	8.13941	6.08604	0	1	1
Tac1_j5	158.451	170.762	0.107954	0.222101	0.569314
XLOC_027565	0.132232	0.0642563	-1.04116	0.349826	1
Gig18	0.463986	0.544037	0.229623	0.498074	0.783887
Glcci1_j6	0.0563447	0 -1.79769e+308		0.0420202	1
Glcci1_j10	2.23425	1.23909	0	1	1
Nxph1_j3	0.350683	0 -1.79769e+308		7.71E-07	3.31E-05
Mdfic_j1	1.5471	0.93637	0	1	1
AK052888_j1	0.0682472	3.55E-06	-14.229	0.997392	1
AK081964	0.152961	0.171358	0.163857	0.794308	0.931391
Cav1_j3	4.50091	5.25795	0	1	1
Met_j1	0.166845	0.0953428	-0.807311	0.345611	0.684965
A430107O13Rik_j4	0.0930709	0.0581106	-0.679527	0.407562	1
Wnt16_j1	0.240417	0.152166	-0.659898	0.447219	0.753936
Ptprz1_j5	4.63095	3.50584	0	1	1
XLOC_027592	0.0721849	0.110535	0.614731	0.532501	1
Gm3294_j2	0.150993	0 -1.79769e+308		0.0073637	0.0683867
Gm3294_j1	0.0902124	0 -1.79769e+308		0.0270806	1
Ahcyl2_j5	2.62637	0.000680145	0	1	1
Ahcyl2_j7	9.52633	8.20332	0	1	1
AK006282	0.138887	0.265102	0.932633	0.166165	0.502787
BB283400	0.1728	0.184159	0.0918436	0.896461	0.967019
Mkln1_j1	1.53001	2.10418	0	1	1
Mkln1_j2	1.79198	1.58643	0	1	1

Mkln1_j3	0.180383	0	0	1	1
AK080631_j3	0.0958028	0.0791209	-0.276008	0.770497	1
Lrguk_j3	0.192016	0 -1.79769e+308	0.0052083	0.0523072	
Lrguk	0.0555644	0.0226705	-1.29334	0.368167	1
Lrguk_j7	0.139023	0.0957351	-0.538204	0.535101	0.806052
Gm14546_j1	0.114061	0.033405	-1.77167	0.345229	1
Tmem140	2.40518	2.603	0.114028	0.547408	0.813648
XLOC_027632	0.125845	0.0447161	-1.49278	0.398127	1
Nup205	1.54132	1.4084	0	1	1
Nup205_j1	0.498811	0.609014	0	1	1
Chrm2_j1	0.248275	0.109112	-1.18613	0.0261659	0.169756
XLOC_027637	0.167971	0.132029	-0.34736	0.675327	0.877609
Luc7l2_j6	0.235931	0.188366	0	1	1
Tbxas1_j1	0.0809776	0 -1.79769e+308	0.0146934		1
Agk_j4	0.222115	0.089778	-1.30687	0.295506	0.642128
XLOC_027651	0.123142	0.0384194	-1.68041	0.16806	1
Ssbp1_j3	0.428013	0.209202	-1.03275	0.211436	0.556171
Ssbp1_j2	2.28107	1.71643	-0.410306	0.131435	0.451337
TCRBVbeta5.1/Jbeta1.5	0.194151	0.191154	-0.0224458	0.979781	0.994006
Ephb6_j2	0.566131	0.548108	-0.0466768	0.928366	0.977919
Casp2_j1	0.296216	0.43149	0	1	1
Casp2_j2	0.151015	0.181277	0	1	1
Zyx	0.368661	0	0	1	1
Arhgef5_j5	0.067388	0.0192671	-1.80636	0.351882	1
Arhgef5_j8	0.117098	0 -1.79769e+308	0.0344122		1
Cntnap2_j1	0.340857	0.24173	-0.495769	0.374178	0.706986
Cntnap2	13.6363	10.0974	0	1	1
XLOC_027665	0.502242	0.317831	-0.660122	0.3055	0.6507
XLOC_027665	0.571978	0.743617	0.378601	0.376223	0.708274
mKIAA4190	0.213046	0.164549	-0.372651	0.547134	0.813465
mKIAA4190_j2	0.381189	0.275856	-0.466591	0.317596	0.660897
Krba1_j1	0.112697	0.0361398	-1.64079	0.112096	1
Sspo_j1	0.138942	0.0415764	-1.74064	0.0361942	0.210104
Atp6v0e2_j1	93.904	83.9724	-0.161272	0.140486	0.466174
Repin1_j3	0.328372	0.380518	0.212633	0.618564	0.850136
AI854703_j9	0.7335	0.596023	-0.299429	0.396238	0.721006
Gimap9	0.209349	0.19957	-0.0690165	0.917914	0.974435
Tmem176a_j4	0.0776859	0.0215342	0	1	1
Gpnmb_j1	0.316087	0.0326657	-3.27447	0.0146616	0.113081
2410003K15Rik_j8	0.693854	0.711442	0.0361132	0.909462	0.971343
Mpp6_j1	1.56515	1.72151	0.137371	0.627607	0.854742
Mpp6	0.146637	0.0494751	-1.56748	0.0303112	0.18699
Mpp6_j3	0.178694	0.0789738	-1.17805	0.0433358	0.236236
XLOC_027689	0.193825	0.0812287	-1.25469	0.146601	0.47498
XLOC_027689	0.0823317	0 -1.79769e+308	0.0335079		1
AK043004_j7	0.231479	0.192004	-0.26975	0.762894	0.918329
AK043004_j6	0.148781	0 -1.79769e+308	0.0034494	0.0384895	

Nfe2l3_j1	3.49667	3.37567	-0.0508063	0.66552	0.873186
Tax1bp1_j4	0.0397668	0.0687155	0	1	1
Chn2_j2	0.326395	0.258973	0	1	1
Gars_j3	117.53	146.495	0.31782	0.000223	0.0041974
Aqp1_j1	0.307198	0	0	1	1
Adcyap1r1	0.21434	0.145301	-0.56086	0.202724	0.546379
Herc3_j2	5.21214	3.68521	0	1	1
Herc3_j4	4.66606	4.05296	0	1	1
Fam190a_j2	0.222449	0.188715	-0.237262	0.628871	0.855705
XLOC_027723	0.0663951	0 -1.79769e+308		0.016291	1
Smarcad1_j2	1.68074	2.15578	0	1	1
C130060K24Rik	0.230595	0.450573	0.966399	0.0223553	0.152336
Prdm5_j3	0.179347	0 -1.79769e+308		0.0003865	0.006594
Prdm5_j12	0.0641653	0 -1.79769e+308		0.0658653	1
AK039826_j1	0.125267	0.0653881	-0.937902	0.272908	1
AK039826_j2	0.194458	0.0787885	-1.3034	0.237484	0.584226
Rnf103_j1	0.212971	0.206074	0	1	1
Vps24_j2	1.75689	1.59628	0	1	1
Vps24_j4	1.17645	1.71185	0	1	1
Polr1a_j3	0.479729	0.438755	0	1	1
Polr1a_j2	2.82237	2.66615	0	1	1
0610030E20Rik	0.427491	0.194224	0	1	1
Suclg1_j1	0.173272	0 -1.79769e+308		0.009847	0.0847616
Lrrtm4	0.203526	0.19506	-0.0612925	0.930332	0.978661
D6Mm5e_j1	0.219975	0.118756	-0.889341	0.225354	0.572449
Aup1_j1	15.6733	16.8114	0.101133	0.415332	0.733192
Dqx1_j4	0.0746203	0.0306375	-1.28427	0.490292	1
Dqx1_j5	1.53594	1.93663	0.334426	0.0433179	0.236191
Ccdc142	0.0348511	0.083468	1.26002	0.202618	1
Rtkn_j5	11.5849	10.9672	0	1	1
Dctn1_j4	11.076	10.7618	0	1	1
Nagk_j2	0	0.211193	0	1	1
Zfml_j6	3.99846	3.88967	0	1	1
Cct7_j3	124.715	133.551	0.0987559	0.252019	0.600021
Alms1_j6	0.177449	0 -1.79769e+308		0.0011636	0.0161276
Alms1_j9	0.580712	0.0618744	-3.23041	0.0512204	0.262124
Tprkb_j1	2.52734	1.32684	0	1	1
Tgfa_j2	0.836428	0.56993	-0.553458	0.082275	0.34951
Fam136a_j1	0.47047	0.567725	0	1	1
Snrpg_j3	0.105204	0.0255694	-2.0407	0.393436	1
Snrpg_j2	0.137014	0.10789	-0.34477	0.80997	1
Tia1_j1	0.758043	1.17451	0	1	1
Tia1_j6	1.4769	1.17286	0	1	1
Tia1_j8	1.87963	1.24573	0	1	1
AK005503_j1	0.102907	0.0301553	0	1	1
Aak1_j4	0.315015	0.0761936	0	1	1
XLOC_027787	0.186768	0.200093	0	1	1

Nfu1	2.02109	1.20804	0	1	1
Nfu1_j4	3.01288	3.58565	0	1	1
Ccdc48_j2	0.172412	0.0604615	-1.51177	0.0218951	0.150018
Ccdc48_j3	0	0.172978	1.79769e+308	3.10E-05	0.0007952
Ccdc48_j4	0.0842896	0.157086	0.898124	0.0964138	1
Ccdc48_j5	0.136082	0.000519818	-8.03225	0.275062	1
Copg_j6	0.960839	0.576715	0	1	1
8430410A17Rik_j1	0.410848	0.512442	0.318784	0.594611	0.838568
Gm5577	0.18295	0	-1.79769e+308	0.0014198	0.0189031
XLOC_027797	0.227548	0.146593	-0.634356	0.390151	0.717194
XLOC_027797	0.169558	0.150342	-0.173531	0.773517	0.923145
Ruvbl1_j1	0.158897	0	-1.79769e+308	0.029217	0.182366
Tpra1_j1	0.246675	0.128844	0	1	1
Txnr3_j1	2.06066	3.05166	0.566492	0.007825	0.0714322
Klf15_j3	0.175544	0.300783	0.776892	0.224476	0.571588
Fbln2_j2	8.18687	7.60926	0	1	1
XLOC_027812	0.141762	0.0705618	-1.00651	0.25273	0.600774
AK043032_j1	0.0882959	0.217224	1.29877	0.184751	0.525111
AK043032_j2	0.100665	0.0244681	-2.04059	0.210555	1
Kbtbd8_j1	0.615668	0.502995	0	1	1
Fam19a1_j2	5.33964	4.04001	-0.402383	0.092598	0.374457
Fam19a1_j4	0.588827	0.220324	-1.41822	0.0010108	0.0144352
Arl6ip5_j1	72.8445	87.553	0.265337	0.0121944	0.0993683
Mitf_j5	0.183344	0	-1.79769e+308	3.70E-06	0.0001303
XLOC_027827	0.214636	0.149065	-0.525947	0.534843	0.805937
Ppp4r2_j1	0.0991144	0	-1.79769e+308	0.0001565	1
Chl1_j3	1.2722	3.11473	0	1	1
Chl1_j5	2.52721	5.65361	0	1	1
Chl1_j6	6.52664	14.0168	0	1	1
Cntn4	0.000411474	0.217162	9.04375	0.61919	0.850529
Cntn4_j3	1.30603	1.17883	-0.147828	0.454941	0.758773
Cntn4_j4	0.331736	0.0001465	-11.1449	0.682983	0.881291
Cntn4_j5	0.357567	0.079107	-2.17634	0.0098933	0.0850249
Itpr1_j4	0.127337	0.0956458	-0.412873	0.602364	1
Itpr1_j6	0.0664032	0.0946373	0	1	1
Itpr1_j9	0.31123	0.222217	0	1	1
Itpr1_j11	0.190307	0.000524173	0	1	1
Brpf1_j6	0.0775307	0	-1.79769e+308	0.0022203	1
Ttll3_j3	0.133617	0.197227	0	1	1
Ttll3_j2	1.62471	1.73846	0	1	1
Arpc4	0.0559468	0.0664748	0	1	1
Il17rc_j5	0.0590779	0	-1.79769e+308	0.0077233	1
Fancd2_j1	0.179406	0.0656191	-1.45104	0.0632614	0.298274
Fancd2_j9	0.133384	0	-1.79769e+308	0.0076211	1
6720456B07Rik_j2	44.3201	56.0601	0	1	1
Irak2_j1	0.115315	0.046286	0	1	1
Tatdn2_j1	4.56309	4.81156	0	1	1

Slc6a1_j2	0.3927	0.000440483	-9.80012	0.617586	0.849523
Hrh1_j4	0.292776	0 -1.79769e+308		3.59E-07	1.66E-05
Cand2	0.187096	0.239772	0.357884	0.304525	0.650023
D6Wsu116e_j3	0.426059	0.749639	0.815143	0.13168	0.451686
March8_j9	0.311662	0	0	1	1
Cxcl12	2.56763	3.58586	0	1	1
Zfp637_j5	1.77799	1.96351	0.143192	0.856386	0.954582
XLOC_027885	0.0772868	0.0551207	-0.487628	0.589558	1
XLOC_027885	0.167897	0.119962	-0.485007	0.446548	0.753378
Rasgef1a_j1	0.319324	0.69351	1.11889	0.0452553	0.243458
Rasgef1a_j3	1.2165	1.01516	-0.261019	0.464997	0.764951
3110021A11Rik	0.185021	0.138821	-0.414468	0.604619	0.843983
Rad52_j6	0.0886727	0 -1.79769e+308		0.0323398	1
Rad52_j7	0.880249	0.542337	-0.698721	0.101989	0.39572
Rad52_j5	0.576606	0.671243	0.21925	0.5908	0.836716
Il17ra_j2	0.923189	1.94157	0	1	1
Cecr2_j3	0.217239	0 -1.79769e+308		1.03E-10	1.04E-08
Slc25a18_j1	0.139155	0 -1.79769e+308		0.0039159	0.0422576
Slc25a18	1.73599	1.46279	-0.247037	0.253114	0.601131
Slc6a13	0.500363	0.416253	-0.265514	0.504707	0.787836
Slc6a13_j5	0.349956	0.180095	-0.958417	0.343375	0.683366
Cd163_j4	0.259616	0.50597	0.962674	0.0321402	0.194457
C1rl	0.125451	0.0980189	-0.355998	0.697938	1
Spsb2	0.552097	0.861771	0.642384	0.219169	0.565521
Spsb2_j1	0.101635	0.0492662	-1.04473	0.590011	1
Spsb2	0.824649	1.31403	0.672151	0.149496	0.478977
Chd4_j8	1.49513	1.32888	0	1	1
Chd4_j13	5.41193	9.58477	0	1	1
Mrpl51_j1	0.243728	0.162659	-0.583423	0.175826	0.514341
Scnn1a_j5	0.123936	0.0315074	-1.97583	0.167615	1
Ano2_j1	0.152551	0.0344374	-2.14724	0.165852	0.502444
XLOC_027942	0.123102	0 -1.79769e+308		0.0026313	1
XLOC_027942	0.147415	0.0636978	-1.21057	0.147587	0.476304
XLOC_027942	0.0722128	0.047114	-0.616099	0.60404	1
XLOC_027942	0.154798	0.086913	-0.83274	0.395243	0.720396
Parp11_j2	0.77871	1.42901	0	1	1
Efcab4b_j1	0.0709517	0.0597401	-0.248138	0.807133	1
Tspan11_j5	0.0768268	0 -1.79769e+308		0.0054014	1
Etv6_j1	0.687353	0.4187	0	1	1
Loh12cr1_j1	2.78185	1.99494	-0.479696	0.331993	0.673438
Atf7ip_j1	1.62766	1.31395	0	1	1
Atf7ip_j4	0.982743	1.95064	0	1	1
Dera_j1	0.314349	0 -1.79769e+308		0.0014717	0.0194422
Mgst1_j1	4.86677	3.8773	-0.327913	0.20188	0.545319
Plekha5_j7	2.69316	2.15192	-0.323673	0.0192968	0.137487
Plekha5_j9	2.42183	2.48751	0.0386064	0.850968	0.952632
Plekha5_j11	2.54604	2.66476	0.0657525	0.777561	0.924772

Slco1c1	0.193815	0.0273357	-2.82582	0.0460795	0.245899
AK043509_j1	0.163003	0.0848997	-0.941067	0.18526	0.525529
Lrmp_j1	0.127492	0.142287	0.158404	0.887296	1
Lrmp_j7	0.100536	0 -1.79769e+308		0.0002453	1
Gm15706_j1	1.58341	1.26124	-0.328194	0.354439	0.690609
Sspn_j4	1.00293	0.339577	0	1	1
Stk38l_j2	0.407496	0.25355	-0.684518	0.421129	0.737271
Stk38l_j8	0.176094	0.148843	-0.242555	0.643148	0.862219
Arntl2_j4	0.162211	0.455514	1.48963	0.0059168	0.0578727
Arntl2_j6	0.489957	0.404376	-0.27696	0.648816	0.864842
Mrps35_j1	1.37479	0.562339	-1.2897	0.0289499	0.181277
Klhdc5_j1	2.08573	3.11704	0	1	1
Klhdc5_j2	0.4206	0.0620383	0	1	1
Ccdc91_j2	0.0808495	0	0	1	1
XLOC_028022	0.0549816	0.0317462	-0.792366	0.620641	1
2810474019Rik_j4	0.315952	0.33848	0.0993692	0.774776	0.923737
Bicd1_j3	0.359644	0.45753	0	1	1
Bicd1_j4	1.00799	1.66472	0	1	1
AK035387	0.136153	0.052562	-1.37313	0.0860621	1
Hepacam2_j1	0.0833036	0 -1.79769e+308		0.0098629	1
Hepacam2_j2	0.114759	0.132083	0.202832	0.793359	1
Sgce_j3	0.171482	0	0	1	1
Pon3_j1	0.317977	0.283586	-0.165136	0.759432	0.91718
Pon2_j1	1.01918	1.01177	-0.0105315	0.969177	0.991369
Shfm1_j1	36.3653	34.004	-0.0968585	0.667945	0.87439
Asns_j2	0.688701	0.35504	0	1	1
Asns_j6	4.7703	2.82181	0	1	1
Asns_j7	0.640777	1.04096	0	1	1
Col28a1_j4	1.84781	3.20718	0	1	1
Rpa3_j2	5.17099	3.50283	-0.56192	0.0801019	0.344084
Ica1_j1	0.187036	0	0	1	1
XLOC_028052	0.175381	0.0907739	-0.950141	0.256007	0.604701
Tmem168_j4	0.113041	0.167741	0	1	1
Gpr85_j3	0.104155	0	0	1	1
Gpr85	0.531787	0.323764	0	1	1
Cttnbp2_j1	0.138866	0.192362	0	1	1
Tspan12_j3	0.583978	0 -1.79769e+308		1.80E-08	1.20E-06
Tspan12_j4	1.64877	1.79203	0.120201	0.629678	0.85615
Fam3c_j2	3.35095	5.88388	0	1	1
Cadps2_j2	1.34994	1.37589	0	1	1
Cadps2	1.31997	0.841419	0	1	1
Ndufa5_j1	4.53014	1.02026	0	1	1
Ndufa5_j2	5.92101	6.47475	0	1	1
Wasl_j1	20.8901	19.1125	0	1	1
Pot1a_j1	0.301087	0.125656	0	1	1
Grm8_j1	1.39493	0.925237	-0.592297	0.0238757	0.159159
Grm8_j2	0.171978	0 -1.79769e+308		4.03E-05	0.0009941

Zfp800_j2	0	0.438841	1.79769e+308	8.25E-05	0.0018225
Zfp800_j4	0.183192	0.120354	-0.606072	0.444531	0.752164
Zfp800_j6	0.146746	0.137712	-0.0916645	0.89778	0.967468
Gcc1_j1	0.571323	0.875163	0.615244	0.0025331	0.0301523
XLOC_028077	0.118187	0.118152	-0.000425073	0.999603	1
XLOC_028077	0.0689183	0.018807	-1.87362	0.349258	1
Impdh1_j2	0.164272	0.0454133	0	1	1
Impdh1_j3	0.376745	0.169606	0	1	1
Tnpo3_j3	4.15011	2.79004	0	1	1
Tnpo3_j2	4.85129	5.20264	0	1	1
Gm2058_j1	0.306507	0.104766	-1.54876	0.0141637	0.110364
Zc3hc1_j1	0.159965	0	-1.79769e+308	0.0091557	0.0802424
Tsga14_j1	0.894851	0.776689	0	1	1
Copg2_j2	3.67254	6.29847	0	1	1
Podxl_j3	1.4469	3.05926	0	1	1
Plxna4_j1	13.4387	17.0107	0	1	1
XLOC_028101	0.305864	0.246234	-0.312862	0.644981	0.863026
Wdr91_j5	4.56106	4.48485	-0.0243095	0.838787	0.948621
Cnot4_j1	0.602701	0	0	1	1
Cnot4	2.16036	1.78821	0	1	1
Dgki_j3	15.3496	13.1417	-0.224058	0.0122652	0.0997838
Svopl_j2	0.10148	0	-1.79769e+308	0.009432	1
D630045J12Rik_j9	0.00117597	0.812772	0	1	1
D630045J12Rik_j10	0.247741	0.0883659	0	1	1
D630045J12Rik_j12	0.604175	0.0269276	0	1	1
Hipk2	0.0798474	0.163852	0	1	1
Parp12_j2	2.29033	1.90906	-0.262694	0.238447	0.585379
Parp12_j3	1.26945	1.05196	-0.27112	0.226853	0.573979
Jhdm1d	0.331004	0.348622	0	1	1
Mkrn1	2.55245	1.68873	0	1	1
Dennd2a_j3	0.287796	0.0595148	0	1	1
Fam115c_j2	0.742034	0.638487	-0.21683	0.520641	0.797932
Fam115c_j3	0.0596058	0	-1.79769e+308	0.0047882	1
Fam115a	11.2522	16.8983	0	1	1
Fam115a_j6	3.97447	0.775085	0	1	1
Ezh2_j1	0.160968	0.237898	0.563571	0.369714	0.703138
Ezh2_j2	0.131243	0	-1.79769e+308	0.0006718	1
Zfp746_j6	0.607923	0.301195	0	1	1
Zfp467	2.24911	1.7849	-0.333512	0.230494	0.577519
Zfp467	0.34205	0	-1.79769e+308	7.38E-09	5.27E-07
Gimap3_j1	0.193134	0	-1.79769e+308	1.48E-05	0.0004315
Tmem176b_j2	16.0826	18.6264	0	1	1
Tra2a_j5	0.459199	0.244703	0	1	1
Osbpl3_j7	9.91617	10.0933	0	1	1
XLOC_028161	0.287102	0.151304	-0.924117	0.18016	0.519807
XLOC_028163	0.119578	0.040332	-1.56795	0.572773	1
Hoxa3_j4	0.793988	0.749385	0	1	1

Hoxa9_j3	0.221321	0.041143	0	1	1
Hoxa10_j1	4.73006	4.14329	0	1	1
AK020588_j1	0.0377428	0.0586797	0	1	1
AK020588	0.527489	0.248063	0	1	1
Scrn1_j2	3.15493	1.89533	0	1	1
Scrn1	0.916863	0.648323	0	1	1
Scrn1_j4	9.33474	8.36464	0	1	1
Nod1_j2	1.18508	1.38358	0.22342	0.483904	0.776148
Crhr2_j3	0.105136	0 -1.79769e+308		0.003923	1
Pde1c_j4	0.287405	0.200564	0	1	1
Pde1c_j6	0.581578	0.643503	0	1	1
Lsm5_j1	1.05097	1.02359	-0.0380849	0.940794	0.982026
Nt5c3	10.3717	8.49419	0	1	1
Nt5c3_j1	5.31505	6.5984	0	1	1
Vopp1_j3	1.37401	0.152819	0	1	1
AK043607_j2	0.236947	0.183201	-0.371134	0.703414	0.891491
XLOC_028197	0.184906	0.129627	-0.512428	0.457919	0.760721
Gadd45a_j1	2.09685	0.812356	-1.36804	0.0287222	0.180385
abParts_j1	0.895094	0 -1.79769e+308		4.15E-05	0.0010167
abParts_j2	0.0992794	0.0680814	-0.544234	0.576288	1
Thnsl2_j3	0.140751	0 -1.79769e+308		0.0135583	0.107097
Smyd1_j2	0.0914067	0 -1.79769e+308		0.0015675	1
Rmnd5a_j1	0.00132675	0.0950961	0	1	1
Ptcd3_j3	0.438341	0.497299	0	1	1
Ptcd3_j1	0.274691	0.161016	0	1	1
Usp39_j1	0.217519	0.95799	2.13887	0.0008494	0.0125509
Mat2a_j1	4.0342	3.37018	-0.25946	0.116589	0.424591
Dnahc6_j2	0.130281	0.087794	-0.569437	0.475075	1
Dnahc6_j12	0.0850031	0 -1.79769e+308		0.009068	1
Ctnna2_j5	0.207751	0	0	1	1
Ctnna2_j4	0.869562	0.902591	0	1	1
Ctnna2_j10	8.53525	2.44576	0	1	1
Ctnna2_j12	0.422444	0.0822525	0	1	1
Pole4_j1	4.33777	6.13805	0	1	1
Wbp1	4.39903	4.22951	0	1	1
Wbp1_j1	0.101081	0.129351	0	1	1
AK038985_j2	0.367703	0.0796579	0	1	1
Tet3_j2	0.049717	0.0406623	0	1	1
Dguok_j1	1.94895	2.29707	0.237098	0.476364	0.77206
Actg2	0.14094	0.0956427	-0.559357	0.574377	0.828005
Tex261_j1	20.5709	21.715	0	1	1
Cyp26b1_j4	0.29165	0.0950778	-1.61706	0.120377	0.432041
Exoc6b_j3	0.813567	0.65881	0	1	1
Spr_j1	24.8709	24.7828	-0.00512046	0.972394	0.991962
Rab11fip5_j4	0.116302	0.0825877	0	1	1
Rab11fip5_j3	7.78907	10.1056	0	1	1
Fbxo41	1.4043	0.769149	0	1	1

Dusp11_j5	0.355092	0.241835	0	1	1
Gmcl1_j1	0.719151	0.355686	0	1	1
Gmcl1_j2	0.462234	0.457697	0	1	1
Anxa4_j1	0.223977	0	0	1	1
Prokr1	0.491667	0.608839	0	1	1
Apf_j4	1.00505	0.784065	-0.358224	0.335447	0.6762
AK131825_j2	0.141851	0.0376777	-1.9126	0.209074	0.553253
AK131825_j6	0.0774266	0.0478495	-0.694324	0.730371	1
AK131825_j7	0.102329	0.0757311	-0.434257	0.792297	1
XLOC_028267	0.137575	0.165327	0.265111	0.768333	0.921081
Isy1_j2	0.524013	2.19016	0	1	1
Rab7_j1	58.8952	55.5953	0	1	1
Abtb1_j1	1.65793	1.41301	0	1	1
Ccdc37_j6	0.42131	0.148482	-1.50459	0.0005587	0.0089443
Iqsec1_j3	0.627001	0.138243	0	1	1
Iqsec1_j4	0.123503	0.0421987	0	1	1
Nup210_j1	0.854474	0.753804	-0.180847	0.526746	0.801217
Xpc_j3	0.665372	0.471895	0	1	1
Grip2_j3	0.621783	0.275233	0	1	1
Zfyve20_j1	0.377249	0	0	1	1
Zfyve20_j2	0.108903	0	0	1	1
Prickle2_j4	4.20822	2.40978	0	1	1
Fam19a4_j1	1.98344	1.07101	0	1	1
Uba3_j1	5.28917	4.26256	0	1	1
Uba3_j2	3.78495	2.78076	0	1	1
Frmd4b	1.21721	0.846238	-0.524443	0.0439914	0.238874
Frmd4b_j2	1.15362	1.19348	0.0489978	0.827508	0.944502
XLOC_028306	0.121468	0.038454	-1.65937	0.351376	1
Cntn3_j2	0.256933	0.000133347	-10.912	0.742074	0.909745
Cntn3_j3	0.137362	0.0699409	-0.973772	0.174544	0.512648
Crbn_j2	1.40892	0.806668	0	1	1
Crbn	10.751	10.1295	0	1	1
XLOC_028313	0.276306	0.00497706	-5.79483	0.394228	0.719811
Srgap3_j5	0.518221	1.11213	1.10169	1.20E-06	4.82E-05
Lhfp14_j5	12.3738	16.3203	0	1	1
Tada3_j1	9.94764	11.7186	0	1	1
Prmt3	0.187727	0.180401	-0.057426	0.870363	0.958722
Sec13_j1	0.668736	0.599466	0	1	1
Sec13_j2	0.0725395	0	0	1	1
Sec13_j3	0.361247	0	0	1	1
Atp2b2_j6	1.87052	0.454692	0	1	1
Atp2b2_j7	1.2508	0.792055	0	1	1
Atp2b2_j8	2.30085	1.32672	0	1	1
2510049J12Rik_j1	0.113964	0.0549403	-1.05264	0.420297	1
Raf1_j5	1.67705	0.228687	0	1	1
Raf1_j4	14.8316	16.1639	0	1	1
Tmem40	0.405335	0.144586	-1.48719	0.108579	0.409735

BC060267_j7	0.161424	0.234997	0.54179	0.298862	0.645621
Mbd4_j4	0.412063	0.445846	0.113679	0.753986	0.915071
Plxnd1_j4	4.78599	3.53506	0	1	1
Tmcc1_j4	0.315838	0	0	1	1
Zfp422	2.50138	1.23758	-1.0152	0.000327	0.0057388
Fxyd4_j2	0.0526796	0.0519859	-0.0191232	0.984652	1
Csgalnact2_j2	1.02397	0.977975	0	1	1
Ret_j1	1.41288	0.511456	0	1	1
Ret_j11	2.02452	0	0	1	1
Bms1_j3	2.28641	1.69621	0	1	1
Cacna1c_j3	0.393808	0.190873	0	1	1
Wnk1_j13	2.85308	5.34382	0	1	1
Wnk1_j14	1.36109	1.18844	0	1	1
B4galnt3_j1	0.128246	0 -1.79769e+308		9.27E-07	1
B4galnt3_j5	0.249877	0.0653458	-1.93505	0.134194	0.455926
Cecr5_j4	4.23294	5.03626	0	1	1
Phc1	0.564712	0.49468	0	1	1
Rimklb_j4	0.679472	0.585339	-0.215141	0.60741	0.845325
Rimklb	0.46035	0.193682	-1.24904	0.149163	0.478258
Rimklb_j5	0.356083	0 -1.79769e+308		4.94E-13	7.43E-11
Rimklb_j6	0.286694	0.544779	0.926161	0.0049349	0.0502029
Apobec1_j1	0.457758	0.639048	0.481339	0.349782	0.687467
Slc2a3_j1	2.33676	0.597269	0	1	1
C1s_j8	0.0943569	0.23464	1.31425	0.19349	0.535786
C1s_j9	0.570608	0.497852	-0.196785	0.583598	0.833132
Ptpn6_j2	0.231913	0.392532	0.759227	0.263424	0.612269
Eno2_j3	14.2888	9.152	0	1	1
Lrrc23_j3	0.0637713	0.047902	0	1	1
Usp5_j7	44.3223	46.8223	0	1	1
Leprel2_j10	0.0904719	0.114238	0.336496	0.75685	1
Leprel2_j11	0.0857915	0 -1.79769e+308		0.0053171	1
Cd4_j2	0.0921139	0.0639175	-0.527208	0.613594	1
Lag3_j9	0.269508	0.181336	-0.571662	0.517697	0.795965
Lag3_j10	0.122182	0.063308	-0.948574	0.400692	1
Ptms_j5	0.255953	0	0	1	1
Plekhg6_j1	0.0373103	0.0484654	0.377381	0.84411	1
Cd9_j2	109.665	76.5069	0	1	1
XLOC_028410	0.790415	0.741543	-0.0920806	0.610812	0.846628
Prmt8_j1	5.47363	4.17177	-0.391836	0.113354	0.419063
XLOC_028421	2.41214	1.25512	0	1	1
Tspan9_j2	0.175616	0 -1.79769e+308		1.96E-05	0.0005461
Tspan9_j3	0.212744	0 -1.79769e+308		2.88E-06	0.0001049
AK033854_j2	0.315261	0.124844	0	1	1
AK033854_j3	0.914655	0.629599	0	1	1
BC048546_j1	48.103	43.9393	0	1	1
Klrb1a	0.221643	0.162257	-0.449955	0.495544	0.782921
Klrb1a_j1	0.0554502	0 -1.79769e+308		0.0538075	1

BC035044	0.147661	0.218613	0.566096	0.283512	0.631899
Clec1a_j1	0.162349	0 -1.79769e+308		0.0014614	0.0193301
AK016696_j4	0.0733965	0	0	1	1
AK016696_j6	0.222469	0.0962165	0	1	1
Arhgdib_j2	0.585297	0.44705	-0.388733	0.544817	0.811727
Eps8	0.23508	0.0525205	0	1	1
Slc15a5	0.162174	0.108661	-0.577705	0.49108	0.780237
Lmo3_j3	0.0349162	0.085544	1.29277	0.216107	1
Lmo3_j4	0.0561703	0 -1.79769e+308		0.0110847	1
Lmo3	0.109784	0.0953259	-0.203721	0.759828	1
XLOC_028465	0.18513	0.0817181	-1.17981	0.315936	0.659891
Ldhb_j1	29.1657	20.0523	0	1	1
Kcnj8_j1	0.12664	0 -1.79769e+308		0.0043179	1
Abcc9_j4	0.0899812	0 -1.79769e+308		0.0169489	1
Abcc9_j5	0.142488	0.0175345	-3.02257	0.196396	0.539163
St8sia1_j3	1.34825	0.657978	0	1	1
5730419I09Rik_j15	0.651844	0	0	1	1
5730419I09Rik_j14	0.676726	0	0	1	1
5730419I09Rik	0.611123	0.894532	0	1	1
Sox5_j4	0.236096	0.153094	-0.624957	0.321467	0.664578
Casc1_j3	0.0373012	0.0767722	1.04136	0.395942	1
Bhlhe41_j1	0.208214	0.0823203	-1.33875	0.0374207	0.214459
Tm7sf3_j2	4.8387	5.59563	0	1	1
Caprin2_j9	0.187832	0.0706516	0	1	1
Caprin2_j10	0.276871	0.0716745	0	1	1
Amn1	1.20346	1.07429	-0.163803	0.710126	0.894382
Amn1_j2	0.899581	0.999177	0.151486	0.770457	0.921881
Ccdc132_j1	0.741471	0.825687	0.155204	0.656509	0.86899
Col1a2_j2	0.199874	0.373581	0	1	1
Casd1_j2	2.00646	1.92204	0	1	1
Peg10_j5	0.0266699	0.115471	2.11425	0.0125409	1
Peg10_j6	0	0.0947765 1.79769e+308		0.0022293	1
Neurabin_j2	0.0437378	0.0870145	0	1	1
Neurabin_j1	0.29396	0.377758	0	1	1
Neurabin_j8	0.0568923	0.0109046	0	1	1
Tac1	0.396577	0.523862	0.401585	0.478557	0.773222
Tac1_j3	7.8792	13.185	0.742775	0.0020662	0.0256393
Tac1_j6	0.856918	0.990142	0.208479	0.791344	0.930476
Glcci1_j8	0.555959	0.520791	0	1	1
Nxph1_j1	0	0.154248 1.79769e+308		0.0092076	1
Nxph1_j2	0	0.0699532 1.79769e+308		0.063652	1
AK003812_j3	0.000161847	0.220595	10.4126	0.780905	0.925925
Mdfic_j3	0	0.459067	0	1	1
Cav1_j2	0	0.0736081	0	1	1
Met_j2	0.151461	0.150764	-0.00665138	0.990476	0.997044
St7_j3	0.621234	0.219847	-1.49864	0.0132386	0.105357
St7_j6	0.0820417	0.687342	3.0666	0.0064168	0.0616373

A430107013Rik_j1	0.0473888	0.123817	1.38559	0.120486	1
A430107013Rik_j5	0	0.313312	1.79769e+308	0.000124	0.0025686
A430107013Rik_j7	0.312934	0.717409	1.19694	0.0077836	0.0711738
Ptprz1_j3	0.671326	0.549303	0	1	1
XLOC_027591	0.135858	0.157294	0.211364	0.832015	0.945814
Snd1_j6	2.51265	4.08435	0	1	1
Finc_j2	0.0801719	0.0852585	0.0887466	0.887583	1
Ahcyl2_j6	0.277132	0.0863187	0	1	1
Fam40b_j2	0.0283532	0.0555319	0.969804	0.357847	1
Nrf1_j1	0.650149	0.572763	-0.182831	0.678456	0.879072
Klhdc10_j2	7.63891	7.96965	0	1	1
Cpa2_j1	0.0557212	0.116766	1.06733	0.45815	1
AK080631_j5	0	0.0682842	1.79769e+308	0.104899	1
Lrguk_j6	3.52E-05	0.296802	13.0414	0.79274	0.931005
Agbl3_j1	0.35016	0.0842584	-2.05512	0.0041913	0.0443703
Agbl3	0.118927	0.156289	0.394147	0.540439	1
1810058I24Rik_j1	0.652129	0.217604	0	1	1
Trim24_j5	1.21219	1.88986	0.640659	0.162877	0.498174
Luc7I2	5.02037	5.99237	0	1	1
Luc7I2_j5	0.131805	0.000468824	0	1	1
Luc7I2_j4	0.634776	1.38532	0	1	1
Luc7I2_j9	11.1382	10.0892	0	1	1
Tbxas1_j2	0	0.0588472	1.79769e+308	0.101089	1
Adck2	4.67659	4.56287	0	1	1
TCRBVbeta5.1/Jbeta1.5_j1	0.0274368	0.0985041	1.84407	0.179211	1
H4_j1	0.03307	0.265491	3.00507	0.143423	0.470568
TCR-beta chain	0.188506	0.795575	2.07739	0.0045815	0.0475434
Ephb6_j3	0.0678553	0	-1.79769e+308	0.074487	1
Casp2	0.00342541	0.320776	0	1	1
Zyx	10.9434	12.7692	0	1	1
Arhgef5_j6	0.170313	0.0906345	-0.910053	0.46801	0.766788
Cntnap2_j3	2.66176	2.67359	0.00639969	0.980141	0.994006
Cntnap2_j5	13.5263	10.6456	0	1	1
Cul1_j1	0.0295587	0.0765775	1.37334	0.268365	1
Cul1_j3	0.027374	0.132458	2.27466	0.0598722	1
Zfp212_j1	2.00612	2.27716	0.182824	0.381997	0.712175
mKIAA4190_j3	0.00551063	0.22854	5.37408	0.0107864	0.0905132
Krba1	0.0719744	0	-1.79769e+308	0.0034118	1
Sspo_j6	0.121677	0.202344	0.733761	0.262188	0.611315
Sspo_j7	0.139585	0.0200153	-2.80197	0.0224224	0.152665
Sspo_j11	0.164016	0.158051	-0.0534455	0.927498	0.977629
Sspo_j18	0.0312787	0.0483743	0.629058	0.707367	1
Sspo_j22	0.194314	0.22803	0.230834	0.753351	0.914709
AI854703_j5	0.412557	0.121595	-1.76251	0.0079379	0.0721656
Gimap8	0	0.0682175	1.79769e+308	0.0441353	1
Gimap5_j4	0.138614	0.18896	0.447001	0.363455	0.697495
Tmem176a	13.8175	15.9691	0	1	1

Tmem176a_j3	13.6709	14.9726	0	1	1
2410003K15Rik_j1	0.238745	0.202674	-0.23631	0.732189	0.905282
2410003K15Rik_j2	0.143164	0.184283	0.364258	0.37338	0.706267
Npy_j2	8.47618	108.649	0	1	1
XLOC_027689	0	0.0687002	1.79769e+308	0.0990504	1
Snx10_j1	0	0.07094	0	1	1
Snx10	4.40384	7.50515	0	1	1
Creb5_j1	0.0569999	0.353789	0	1	1
Chn2_j1	5.22	4.2591	0	1	1
Gars_j1	0.495354	0.496661	0.00380105	0.993945	0.99828
Fam188b_j2	0.693674	0.826978	0.25359	0.446907	0.753618
Adcyap1r1_j2	0.492894	0.242078	-1.02581	0.0066956	0.0635881
XLOC_027716	0.0668672	0.0444794	0	1	1
Herc3_j3	5.64132	3.5324	0	1	1
Herc3	14.2544	13.7237	0	1	1
Grid2_j2	0.107165	0.154883	0.531347	0.343944	1
Gm15534	17.0524	19.7812	0.214158	0.169026	0.505791
C130060K24Rik_j1	0	0.0896488	1.79769e+308	0.0250047	1
Prdm5_j2	0.0517613	0.162652	1.65184	0.0971067	0.385205
Prdm5_j1	0	0.108736	1.79769e+308	0.0263453	1
Prdm5_j11	0.262012	0.295756	0.174777	0.75234	0.914444
Eif2ak3_j2	0.176819	0.151186	-0.225948	0.827291	0.944343
Immt_j7	0.121027	0.0325105	0	1	1
Immt_j5	4.15831	3.2632	0	1	1
Immt_j6	1.16151	1.3033	0	1	1
Polr1a_j4	1.00302	1.33941	0	1	1
Tmem150a	1.30245	0.560446	0	1	1
Suclg1_j2	0	0.0555227	1.79769e+308	0.147645	1
Lrrtm1_j7	0	2.12493	0	1	1
Reg3b	0.0615521	0.885524	3.84665	6.60E-05	0.0015096
Reg1	0.0175225	0.429488	4.61534	0.0092084	0.0806249
AW146020	0.441883	0.521241	0.238285	0.331497	0.673024
Loxl3_j1	0.963858	0.700032	-0.461401	0.0359356	0.209112
Dqx1_j6	1.83996	0.43398	-2.08398	7.99E-15	1.54E-12
Ccdc142_j4	1.09051	1.32247	0.278228	0.352669	0.689508
Dctn1	3.69841	16.4622	0	1	1
Dctn1_j6	5.64768	5.61679	0	1	1
Dctn1_j5	2.35489	2.74162	0	1	1
XLOC_027769	0.0678833	0.163413	1.2674	0.23545	0.582664
Zfml_j8	0.412477	0.905832	0	1	1
Dysf_j4	3.66792	4.73534	0	1	1
Alms1_j3	0.0187862	0.0926084	2.30147	0.0169978	1
Alms1_j10	0.0422812	0.103923	1.29743	0.571703	1
Alms1-ps1_j1	0.172267	0.524881	1.60734	0.0775639	0.337104
Tgfa_j3	0	0.253547	1.79769e+308	0.0001227	0.0025498
Tia1_j3	0.402765	0.177118	0	1	1
Tia1_j2	0.0930262	0	0	1	1

Tia1_j5	0.522214	0.634345	0	1	1
C87436_j3	3.30027	2.78395	0	1	1
C87436_j4	1.40574	1.51811	0	1	1
C87436_j6	0.494207	0.357001	0	1	1
Aak1_j6	5.62284	2.72294	0	1	1
Aak1_j7	0.150439	0.318855	0	1	1
Nfu1_j2	6.25156	7.0945	0	1	1
Nfu1_j6	3.31167	3.91961	0	1	1
Ccdc48	0.103379	0.0964632	-0.099889	0.897464	1
Copg_j2	0.0654231	0.048049	0	1	1
XLOC_027797	0.139583	0.135203	-0.0459938	0.95788	0.987996
Gata2	0.130145	0.345417	1.40822	0.0054003	0.0537922
Ruvbl1_j9	10.9971	11.7906	0.100518	0.714276	0.896527
Zxdc	1.72385	1.86499	0.113537	0.601174	0.841992
XLOC_027806	0	0.258211	1.79769e+308	6.06E-05	0.0014015
Fbln2_j1	0.482746	0.701745	0	1	1
Fbln2_j7	2.95969	5.30539	0	1	1
Slc6a6_j4	0	0.112234	0	1	1
9530026P05Rik_j5	0	0.203493	1.79769e+308	4.74E-05	0.0011415
Kbtbd8_j2	0	0.159121	0	1	1
Fam19a1_j5	0.438612	0.309947	-0.500922	0.329644	0.671845
Arl6ip5_j4	0	3.99961	1.79769e+308	6.50E-11	6.87E-09
Mitf_j1	0.160357	0.246305	0.619163	0.166017	0.502767
XLOC_027827	0.039784	0.0772947	0.958182	0.59949	1
Cntn6_j1	0.10855	0.21494	0.985575	0.366904	0.700429
Cntn6_j4	0.0551065	0.0494717	-0.155618	0.909459	1
Cntn4_j1	0.347541	0.196729	-0.820974	0.047443	0.250092
Trnt1_j1	12.418	11.4017	0	1	1
Edem1_j2	0.142612	0.954314	0	1	1
Lmcd1_j1	0.142289	0.153405	0.108524	0.911582	0.972265
Gm16598_j2	0.0972929	0.110209	0.17983	0.821844	1
Thumpd3_j1	3.25486	6.64182	0	1	1
Setd5_j1	5.78619	5.54272	-0.0620216	0.669927	0.875139
Setd5_j3	0.0731834	0	-1.79769e+308	0.0001439	1
Setd5_j10	6.2408	7.67095	0.297673	0.0272989	0.174575
Brpf1_j8	1.32215	1.83067	0.469485	0.0498718	0.258011
Il17rc_j1	1.32969	1.21385	-0.131504	0.634851	0.858251
Fancd2_j7	0.0237806	0.0669128	1.49249	0.406639	1
Irak2	0.471819	0.787037	0	1	1
Slc6a11_j1	0.103628	0.171007	0.722636	0.265526	0.614392
Slc6a1_j3	0.126448	0.419217	1.72915	0.0039341	0.0424032
Hrh1_j5	0	0.731687	1.79769e+308	2.75E-09	2.12E-07
Pparg_j4	0.0798075	0.000192229	-8.69756	0.896519	1
Pparg_j5	0.66721	0.75356	0.175581	0.63733	0.85954
Pparg_j7	0	0.0692961	1.79769e+308	0.10836	1
Tsen2_j3	4.32184	4.97426	0.202836	0.271934	0.620758
D6Wsu116e_j2	1.40314	1.24895	-0.167939	0.475538	0.771428

Anubl1	0.101302	0.234008	1.2079	0.074614	0.329493
Anubl1_j3	0.184352	0.220327	0.257184	0.653635	0.867521
March8_j1	0.479883	0.406574	0	1	1
Zfp239_j1	0.19248	0.356854	0.890625	0.0769739	0.335484
Rasgef1a_j4	1.88895	2.72655	0.529492	0.0411276	0.228002
Dcp1b_j3	0.180247	0.272837	0.598065	0.436956	0.747343
Dcp1b_j2	1.12438	1.19792	0.0914064	0.769022	0.921341
Rad52_j10	0.265876	0.739392	1.47558	0.0045253	0.0471281
Kdm5a_j4	0.339448	0.42483	0	1	1
Kdm5a_j7	0.0852066	0.11144	0	1	1
Slc6a13_j4	0	0.205268	1.79769e+308	0.0269128	0.172876
Slc6a13_j7	0.130933	0.239922	0.873739	0.375383	0.707705
Slc6a13_j9	0	0.074195	1.79769e+308	0.141236	1
A2m_j2	1.96784	2.49872	0.344576	0.213166	0.55825
XLOC_027904	0.0548685	0.158948	1.5345	0.100776	0.393107
M6pr_j1	3.6916	10.3072	0	1	1
Nanogpd_j1	0.135927	0.125206	-0.118532	0.86387	1
Clec4b1	0.0585441	0.17086	1.54522	0.252986	0.600981
Clec4n_j1	0	0.15389	1.79769e+308	0.060249	1
Cd163_j3	0.0629911	0.0684558	0.120023	0.89406	1
Cd163_j2	2.47E-05	0.223594	13.144	0.949034	0.985323
C1ra_j1	0.616464	0.5039	-0.290878	0.71162	0.895294
Lpcat3_j2	0.077197	0.234206	1.60116	0.0802934	0.344616
Lpcat3_j1	0.483548	0.230106	-1.07136	0.0862541	0.358839
Acrbp_j4	0.936962	0.686585	-0.448552	0.164197	0.500134
Acrbp_j12	0.115983	0.165378	0.511858	0.464852	0.764951
Chd4	0.997525	0.895796	0	1	1
Iffo1_j1	1.85925	1.07385	0	1	1
Iffo1	0.467451	0.447665	0	1	1
Iffo1_j6	6.18922	5.90917	0	1	1
Tnfrsf1a_j1	0	2.03736	1.79769e+308	8.25E-11	8.61E-09
Tnfrsf1a_j2	0.437219	0.595148	0.444891	0.475882	0.771711
XLOC_027942	0	0.0737313	1.79769e+308	0.0797573	1
XLOC_027942	0	0.0902553	1.79769e+308	0.0351589	1
D6Wsu163e_j1	0.243289	0.469488	0.948416	0.114977	0.421857
Foxm1_j4	0.226446	0.21427	-0.0797334	0.850539	0.952491
Foxm1_j5	0.203333	0.297075	0.546983	0.262794	0.611657
Clec12a_j1	0.131997	0.578311	2.13134	0.0386639	0.219025
Clec9a_j1	0.0491712	0.180383	1.87518	0.200429	0.543772
Gabarapl1_j1	0.047574	0.112905	1.24687	0.240283	1
Gabarapl1_j2	0	0.569844	1.79769e+308	0.0134873	0.106675
Etv6_j2	1.17896	1.81818	0	1	1
8430419L09Rik_j3	0	0.233024	0	1	1
Atf7ip_j2	0	0.514476	0	1	1
Strap_j4	0.445377	0.543282	0.286674	0.348651	0.686735
Plekha5_j1	1.60134	2.07092	0.370998	0.0601643	0.288813
Plekha5_j3	2.2523	2.04975	-0.135954	0.516059	0.794692

Plekha5_j6	1.29182	0.556839	-1.21408	1.36E-05	0.0004036
XLOC_027991	0.18534	0.253249	0.450379	0.214289	0.559699
Pde3a_j1	0.138005	0.137945	-0.000625549	0.999245	0.999635
AK043509_j4	0.0755625	0.156782	1.05302	0.200482	1
AK143902_j1	0	0.0918275	1.79769e+308	0.0422277	1
AK143902_j2	3.17826	2.85424	0	1	1
Rassf8_j3	0	0.132575	0	1	1
Rassf8_j4	0	0.314076	0	1	1
Stk38l_j9	1.80647	3.35065	0	1	1
Ppfibp1_j2	0.024068	0.116347	0	1	1
Ccdc91_j1	0.461871	0.387325	0	1	1
Bicd1	0.104768	0.0516988	0	1	1
AK035387_j1	0.667884	0.796212	0.253555	0.396164	0.721006
Sgce	2.02087	3.24038	0	1	1
Asns_j1	6.46609	8.3996	0	1	1
Asns_j8	20.511	43.3282	0	1	1
XLOC_028041	1.41964	1.50681	0.0859766	0.721389	0.900355
Col28a1_j9	2.75908	3.981	0	1	1
Gpr85_j7	0.958346	1.60534	0	1	1
Gm15473_j1	0.113413	0.184084	0.698777	0.469423	0.767555
Cttnbp2_j2	0.225211	0.441316	0	1	1
Cttnbp2_j3	0.228346	0.421694	0	1	1
Tspan12_j5	1.71609	0.959442	-0.838861	0.0097479	0.0840417
Cadps2	0.347887	0.411847	0	1	1
Grm8_j8	0	0.0611023	1.79769e+308	0.0444224	1
Zfp800_j5	0.0869873	0.331738	1.93117	0.0073441	0.06827
Prrt4_j3	0	0.0688528	1.79769e+308	0.077517	1
Impdh1	74.1354	74.3085	0	1	1
Opn1sw_j1	0.117186	0.159258	0.442573	0.619527	0.850756
Kcp_j2	0.063882	0.0837799	0.391195	0.709624	1
Kcp_j1	0.0668051	0.166766	1.3198	0.168536	0.505174
BC145649_j1	0.0184745	0.120931	2.71057	0.117234	1
XLOC_028093	0.0868164	0.118694	0.451205	0.714787	1
XLOC_028093	0.101613	0.176901	0.799855	0.332984	0.674032
BC145649_j4	0.079163	0.113431	0.518919	0.587995	1
Plxna4_j2	0.0142547	1.3352	0	1	1
Chchd3_j4	0	2.98397	1.79769e+308	4.28E-10	3.80E-08
Slc35b4_j4	2.67774	3.81565	0	1	1
2010107G12Rik_j1	0.0855203	0.126953	0.569953	0.518372	1
Slc13a4_j3	3.92E-05	0.170697	12.0871	0.956964	0.987617
Ptn_j1	60.4653	48.9547	0	1	1
Ptn_j5	33.2991	32.1254	0	1	1
Dgki_j6	0	0.168282	1.79769e+308	3.17E-06	0.0001143
Creb3l2_j4	0.000845787	1.36433	0	1	1
D630045J12Rik_j1	0.993273	0.452954	0	1	1
D630045J12Rik	0.232093	0.731232	0	1	1
Klrg2_j2	0.0931631	0.064088	-0.539705	0.422668	1

Klrg2_j1	0.085314	0.045959	-0.892436	0.245548	1
Hipk2	0.249732	0.303508	0	1	1
Jhdm1d_j2	0	0.0655179	0	1	1
Mkrn1_j1	2.76313	5.99046	0	1	1
Dennd2a_j1	0.000186153	0.242249	0	1	1
Clec5a	0.0392942	0.164457	2.06532	0.0622675	0.295391
Fam131b_j2	41.722	43.7966	0.0700085	0.418978	0.735747
Fam115a_j7	0.121951	0	0	1	1
Fam115a	13.6998	19.0789	0	1	1
Tpk1_j8	0.196297	0.343051	0.805389	0.185171	0.525367
Tpk1_j7	0.106958	0.267755	1.32387	0.0726522	0.324319
Ezh2_j7	0.574528	0.560946	-0.0345142	0.959075	0.988313
Ezh2_j8	2.52E-05	0.177073	12.7803	0.967537	0.990839
Zfp467	1.60384	1.56196	-0.0381759	0.863361	0.956634
Rarres2_j2	2.57054	1.48911	0	1	1
Rarres2_j6	7.14702	8.46206	0	1	1
Gimap3_j2	0	0.0734171	1.79769e+308	0.168299	1
XLOC_028158	0	0.116917	1.79769e+308	0.119752	1
Hoxa1	0.231916	0.230702	-0.0075678	0.988043	0.996422
Hoxa9_j1	1.32569	0.627078	0	1	1
Hoxa10_j2	0.509784	1.6154	0	1	1
Jazf1_j1	1.35385	1.25618	0	1	1
Scrn1_j5	17.2546	15.675	0	1	1
Crhr2_j1	0	0.206255	1.79769e+308	0.0061016	0.0593465
Pde1c	0.407125	1.03455	0	1	1
Lsm5_j3	0.356845	1.87988	2.39727	0.108957	0.410718
Kbtbd2_j2	1.33923	2.95244	0	1	1
Vopp1_j4	4.30592	5.3652	0	1	1
Hpgds	0.0857061	0.320823	1.90431	0.0005214	0.0084328
Gadd45a_j4	0	0.19062	1.79769e+308	0.126119	0.442293
Smyd1_j4	0	0.0891764	1.79769e+308	0.0204245	1
Usp39_j3	0	0.598119	1.79769e+308	5.34E-05	0.0012627
Vamp5	4.50492	4.22508	-0.0925219	0.738326	0.908051
Mat2a_j3	2.53753	4.52891	0.835737	1.21E-07	6.33E-06
Mat2a_j2	5.02298	5.06005	0.010608	0.939177	0.981504
Sh2d6_j6	0.0295594	0.103082	1.8021	0.22137	1
Tcf7l1_j3	0.000129812	0.158667	10.2554	0.842859	0.950302
Ctnna2_j6	0.0372165	0.118735	0	1	1
Ctnna2_j15	0.380986	0.366161	0	1	1
Pole4_j2	5.89678	7.67902	0	1	1
Hk2_j1	0.173861	0.238252	0.454557	0.30478	0.65013
Tlx2_j3	0.0207974	0.127262	2.61333	0.0003113	1
AK161590_j4	0	0.181394	1.79769e+308	0.0025071	0.0299142
Wdr54	3.28422	3.53382	0	1	1
Actg2_j1	0	0.0986247	1.79769e+308	0.0460337	1
Stambp_j2	5.48928	6.01044	0	1	1
Cyp26b1_j5	0	0.140044	1.79769e+308	0.0108328	1

Exoc6b_j4	0	1.73507	0	1	1
Sfxn5_j2	2.27132	2.34389	0	1	1
Mxd1_j2	0.486297	0.628646	0	1	1
Arhgap25_j2	0.639619	0.296414	-1.1096	0.053753	0.270102
Arhgap25	0.186594	0.304353	0.705843	0.216437	0.562554
Prokr1_j1	0	0.315065	0	1	1
AK131825_j8	0	0.0948216	1.79769e+308	0.148661	1
Rab7_j3	0.798889	0.752582	0	1	1
Rab7_j2	2.6058	2.96568	0	1	1
Ccdc37_j4	0.384448	0.647679	0.752492	0.0047345	0.048672
Iqsec1_j9	9.83943	7.70089	0	1	1
Iqsec1_j6	6.72579	3.19268	0	1	1
Nup210_j5	0.026612	0.0489661	0.879709	0.478497	1
Grip2_j4	0	0.107017	0	1	1
Adamts9_j5	0	0.0942684	1.79769e+308	0.0096121	1
Magi1_j1	3.19504	2.75368	0	1	1
Magi1_j8	2.95657	2.19926	0	1	1
Magi1_j9	0	0.266896	0	1	1
Fam19a4_j2	0.000708711	2.59685	0	1	1
Fam19a4_j3	0.144547	0.506537	0	1	1
Tmf1_j1	3.37102	3.13768	0	1	1
Frmd4b_j3	0	0.810612	1.79769e+308	1.07E-09	8.94E-08
Frmd4b_j4	0.623835	0.678759	0.121735	0.705554	0.892269
Gm765_j4	1.07768	0.60813	0	1	1
Rybp_j1	0.71843	0.9906	0.463455	0.0932136	0.3757
Shq1_j2	0.0190773	0.0962773	2.33534	0.0652721	1
Cntn3_j6	0.704225	1.1845	0.750174	0.0005354	0.0086356
Crbn_j6	0.13061	0.161738	0	1	1
Crbn_j7	0.412845	0.433145	0	1	1
Sumf1_j1	0.381633	0.407827	0	1	1
Oxtr_j2	0.0103359	0.0565646	2.45224	0.228105	1
Rad18_j3	0.732864	0.712221	-0.0412218	0.906841	0.97045
Gt(ROSA)26Sor	2.90857	2.25049	0	1	1
Lhfp14_j1	13.2017	6.40857	0	1	1
Camk1_j1	24.1545	54.8707	0	1	1
Atp2b2_j2	3.19214	2.68745	0	1	1
AK038749	0.118728	0.167151	0.493497	0.568433	0.825535
Raf1_j3	19.1051	20.664	0	1	1
Rpl32_j1	42.9503	51.8207	0.270861	0.0328616	0.197425
BC060267_j5	0.327218	0.0086118	-5.24779	0.0247931	0.163307
Mbd4	0.119249	0.299307	1.32765	0.0176001	0.128774
Plxnd1_j1	5.39801	4.71215	0	1	1
Plxnd1_j3	0	0.199257	0	1	1
Alox5_j2	0	0.0688927	1.79769e+308	0.072448	1
Alox5_j1	0.090003	0.130521	0.536231	0.541435	1
Tmem72_j1	1.57655	1.45067	0	1	1
Fxyd4_j3	0.0211612	0.0753936	1.83302	0.142481	1

Ret_j9	10.3482	10.5713	0	1	1
Bms1_j2	0.142093	0.0683045	0	1	1
Zfp248_j4	0	0.0757506	0	1	1
Zfp9_j1	0	0.968279	1.79769e+308	5.54E-11	5.91E-09
Ankrd26_j5	0.198894	0.163431	0	1	1
Cacna1c_j2	0.172788	0.309761	0	1	1
Erc1_j1	0	0.0835736	0	1	1
Erc1_j2	0.245929	0.396285	0	1	1
Wnk1_j4	3.30438	2.80694	0	1	1
Wnk1_j5	0.456342	0.47416	0	1	1
Ccdc77_j3	0.146195	0.225105	0.622704	0.336436	0.676943
Ccdc77	0.888416	0.817779	-0.119525	0.679771	0.879569
XLOC_028369	0	0.129697	1.79769e+308	0.0131382	1
Atp6v1e1_j3	8.83543	8.89354	0	1	1
Mical3_j4	0.385378	0.440556	0.193053	0.528084	0.80195
Mical3_j2	0.590968	0.576103	-0.0367539	0.874394	0.960101
Iqsec3_j4	1.32563	1.33392	0	1	1
Phc1_j2	0.744861	1.19974	0	1	1
Rimklb_j2	0.0831027	0.139439	0.746663	0.476083	1
Apobec1_j4	0.212334	0.602959	1.50572	0.0124001	0.100607
Slc2a3_j4	7.25528	9.9974	0	1	1
Pex5_j2	7.85317	10.1995	0	1	1
C1s_j2	0.461693	0.645635	0.483783	0.146883	0.475297
Ptpn6_j1	0.110034	0.299661	1.44538	0.049506	0.2568
Usp5_j6	2.01179	3.18336	0	1	1
Leprel2_j9	1.81451	1.88319	0.0536007	0.826082	0.943936
Leprel2_j12	0.193152	0.196656	0.0259359	0.973452	0.992363
Lag3_j3	0.0719365	0.129737	0.850796	0.545533	1
Lag3_j4	0.0355869	0.136301	1.93738	0.294446	1
Ptms_j6	0.281868	1.21804	0	1	1
Cops7a_j4	4.34501	6.20033	0	1	1
Cd9_j1	19.5238	12.1851	0	1	1
Ndufa9_j3	37.454	33.6068	0	1	1
Dyrk4_j6	0	0.0469302	1.79769e+308	0.101748	1
Dyrk4_j5	0.0442461	0.0640642	0.53397	0.676873	1
Tspan9_j4	0.195703	1.17233	2.58264	3.69E-11	4.11E-09
AK033854_j4	0.695367	0.45772	0	1	1
Tulp3_j1	2.84046	3.20742	0.175293	0.38597	0.714331
5930416l19Rik_j1	0	0.085719	0	1	1
Fkbp4_j1	109.448	97.9129	0	1	1
AK036632_j3	0.047432	0.175565	1.88807	0.200025	0.54322
Clec12b	0.0643753	0.159092	1.30529	0.18263	0.523127
Clec7a_j1	0.297177	0.402716	0.438444	0.348396	0.686685
BC099571	0.239085	0.329113	0.46106	0.0708602	0.319984
Klra2_j3	0.0778464	0.169795	1.12509	0.29814	0.644746
AK016696_j3	0.059389	0.288671	0	1	1
AK016696_j5	0.111737	0.0988823	0	1	1

Wbp11_j1	0.763317	0.639994	0	1	1
Eps8_j3	0	0.758518	0	1	1
Eps8_j4	0	0.234995	0	1	1
Lmo3_j6	0.101043	0.100898	-0.00207117	0.998898	1
Slco1a4_j4	0	0.316444	1.79769e+308	0.0025313	0.030144
Abcc9_j6	0	0.148115	1.79769e+308	0.0280587	1
5730419I09Rik_j8	0.536687	0.867675	0	1	1
5730419I09Rik_j9	3.12497	2.21985	0	1	1
5730419I09Rik_j12	0	0.151112	0	1	1
XLOC_028478	0.0998377	0.467624	2.22769	0.0511949	0.262124
Sox5_j3	0	0.096237	1.79769e+308	0.0431878	1
Bcat1_j3	5.19803	14.3747	0	1	1
Itpr2_j1	0.192492	0.310485	0.689724	0.0635041	0.298841
Itpr2_j4	0	0.0524274	1.79769e+308	0.098353	1
Gm15767	0.071865	0.195156	1.44127	0.282773	0.631354
Caprin2_j6	1.68782	1.44331	0	1	1
Caprin2_j5	2.45267	4.03651	0	1	1
Caprin2_j7	0.627402	0.838282	0	1	1
Dennd5b_j1	0.0332429	0.0738556	0	1	1
Ccdc132_j2	7.63903	8.03257	0.0724717	0.659541	0.870733
Col1a2_j4	11.1452	13.8706	0	1	1
Casd1_j3	3.15063	2.66761	0	1	1
Tac1_j1	61.6262	67.8493	0.138791	0.184047	0.524679
Tac1_j4	0.185031	0.655115	1.82398	0.227683	0.574755
Nxph1_j4	0.0787237	0.205596	1.38494	0.0776789	0.337363
Foxp2_j1	1.81E-05	0.072031	11.9555	0.972829	1
Mdfic_j2	0	0.328597	0	1	1
Cav1_j1	0	0.0799949	0	1	1
Cav1_j5	0	0.224467	0	1	1
Ptprz1_j4	0	0.119509	0	1	1
Ahcyl2_j2	0.348357	0.129307	0	1	1
Fam40b_j1	0.0308419	0.0496585	0.687148	0.508106	1
Nrf1_j3	0.727657	0.507169	-0.520793	0.231319	0.578405
Nrf1_j4	0.109206	0.203129	0.895341	0.279516	0.628283
BC021953_j1	1.43987	1.4058	0	1	1
BC021953	0.939143	0.785566	0	1	1
BC021953_j2	1.43661	1.28173	0	1	1
Mkln1_j4	10.9708	11.5505	0	1	1
Exoc4_j3	0	0.0512126	0	1	1
Lrguk_j1	0	0.0775213	1.79769e+308	0.0002593	1
Agbl3_j3	0.427194	0.801534	0.907873	0.0654034	0.30477
XLOC_027632	0	0.0513699	1.79769e+308	0.157701	1
Trim24_j3	1.34633	1.9486	0.533402	0.0865654	0.359624
Ttc26_j2	0.148198	0.459863	1.63368	0.0040061	0.0429322
Luc7l2_j7	1.44629	0.758579	0	1	1
Adck2_j1	0.356681	0.375559	0	1	1
XLOC_027649	0.489324	0.491665	0	1	1

Agk_j3	0.523968	0.951973	0.861442	0.140088	0.465611
TCR-beta chain	0.0316315	0.0693474	1.13248	0.595947	1
Ephb6	0.396688	0.461938	0.219693	0.562873	0.822297
Casp2_j5	1.35707	1.22735	0	1	1
Zyx_j9	4.84831	14.4177	0	1	1
Arhgef5_j2	0	0.0841367 1.79769e+308		0.0255255	1
Arhgef5_j3	0.0347009	0.0550338	0.665343	0.566717	1
mKIAA4190_j5	0.0517505	0.111271	1.10444	0.22094	1
Krba1_j3	0.102006	0 -1.79769e+308		0.0005897	1
Sspo_j12	0.0492873	0.130453	1.40424	0.285801	1
Sspo_j15	0.0771896	0.0592771	-0.380933	0.673075	1
AI854703_j3	0.703258	0.593617	-0.244521	0.547249	0.813536
AI854703_j2	0	0.10059 1.79769e+308		0.0114873	1
Gimap8_j1	0	0.0960412 1.79769e+308		0.0606745	1
Gimap1_j2	0.0745319	0.153998	1.04698	0.373296	1
2410003K15Rik_j7	0.407269	0.394084	-0.0474784	0.883105	0.962848
Ccdc126_j1	0.885437	0.670624	-0.400886	0.29161	0.638573
XLOC_027689	0.0245267	0.0798997	1.70384	0.286619	1
XLOC_027689	0.0319983	0.164621	2.36308	0.162882	0.498174
AK043004_j12	0.256846	0.357547	0.477228	0.449362	0.755484
Tax1bp1_j5	16.6828	22.2201	0	1	1
Wipf3_j2	15.4772	11.4165	0	1	1
2410066E13Rik_j1	7.78256	8.70964	0	1	1
Fam188b_j3	0.831488	1.26695	0.607592	0.129994	0.449032
Lancl2_j1	0.102247	0.222507	0	1	1
Fam190a_j4	0	0.069781 1.79769e+308		0.0667703	1
Grid2_j1	0.506283	0.533527	0.0756194	0.893082	0.966294
Prdm5_j6	0	0.115554 1.79769e+308		0.0243761	1
Mad2l1_j5	0.729397	1.21905	0.740981	0.0878155	0.362795
abParts_j4	0.242001	0.542862	1.16557	0.267783	0.616423
abParts_j5	2.15E-05	0.398194	14.1783	0.994175	0.998344
Vps24_j5	3.13214	3.00936	0	1	1
O610030E20Rik_j2	0.689893	0.983436	0	1	1
Lrrtm1_j1	1.5421	1.73552	0	1	1
Lrrtm4_j1	0.141921	0.10283	-0.464819	0.621198	0.85151
Rtkn	1.61409	3.2441	0	1	1
Rtkn_j2	5.09769	5.3469	0	1	1
Rtkn_j3	2.49342	2.55747	0	1	1
Dctn1_j10	6.42598	9.43714	0	1	1
Slc4a5_j1	0.0267116	0.132495	2.3104	0.0820117	1
Zfml_j7	0.537637	0.35192	0	1	1
Zfml_j9	8.05946	7.84502	0	1	1
Dysf_j3	1.93236	1.83951	0	1	1
Cct7_j2	0	0.163069 1.79769e+308		0.0370059	0.212975
Cct7_j4	14.2159	22.8219	0.682918	0.0002535	0.004673
Alms1_j5	0.0757373	0.0733421	-0.0463619	0.961156	1
Alms1_j3	0.0312091	0.154761	2.31001	0.173709	1

Tprkb_j2	1.04306	1.4422	0	1	1
Tprkb_j3	0.197963	1.53401	0	1	1
Add2_j4	18.4945	23.1939	0	1	1
Add2_j5	25.4235	29.1299	0	1	1
Fam136a_j2	0.00157502	1.22003	0	1	1
Fam136a	9.20149	9.26293	0	1	1
Tia1_j11	0	0.68947	0	1	1
AK005503_j2	52.2685	48.5189	0	1	1
XLOC_027787	0.0904484	0.0700745	0	1	1
Aak1_j5	5.15136	5.00328	0	1	1
Gfpt1_j3	5.41935	6.66306	0	1	1
Copg_j3	0.415447	0.629375	0	1	1
8430410A17Rik_j2	1.82969	3.1986	0.805839	0.0099567	0.0853736
Ruvbl1_j8	0.102022	0.0765354	-0.414677	0.718986	1
MglI	5.5347	5.397	0	1	1
Tpra1_j4	4.0724	3.89132	0	1	1
Klf15_j1	0.0116326	0.100442	3.11012	0.0337935	1
Aldh1l1_j1	1.6952	4.5843	0	1	1
Fbln2_j3	1.07464	1.44339	0	1	1
Tmem43_j2	5.5923	10.0223	0	1	1
Tmem43_j3	3.1739	6.3367	0	1	1
Fgd5_j1	0	0.0543221	1.79769e+308	0.0147805	1
Fgd5_j2	0.0218762	0.253337	3.53362	0.0020413	0.0253875
Fgd5_j5	0.549275	0.655528	0.255129	0.568654	0.825638
Nr2c2	1.79135	1.52983	-0.227671	0.0975209	0.385892
9530026P05Rik_j1	0.304604	0.29018	-0.0699898	0.842372	0.950233
9530026P05Rik_j6	0.901963	0.318468	-1.50192	3.35E-06	0.0001196
Arl6ip5_j2	125.034	140.499	0.168234	0.0567058	0.278572
Mitf_j2	0.150574	0.0365585	-2.0422	0.352762	0.689566
Ppp4r2_j3	0.912695	2.15722	1.24097	6.99E-09	5.04E-07
Ppp4r2_j6	4.85765	3.93934	-0.302307	0.026878	0.172743
Chl1_j2	0.205134	0.304613	0	1	1
Cntn6_j6	0.505013	0.664058	0.394987	0.361277	0.695919
Cntn4_j2	0	0.241282	1.79769e+308	0.0013365	0.0180505
Cntn4_j11	0.0419195	0.0551992	0.397026	0.76682	1
Itpr1_j12	1.78004	5.46019	0	1	1
Lmcd1_j2	0	0.0569119	1.79769e+308	0.134847	1
Thumpd3_j2	0	0.39604	0	1	1
Setd5_j9	2.89913	2.96701	0.0333876	0.89651	0.967019
Cpne9_j5	1.48897	1.14467	-0.379386	0.367645	0.701064
Brpf1	0.240269	0.349002	0.538584	0.180769	0.520609
Ogg1	0.818509	0.967852	0	1	1
Fancd2_j11	0.0518326	0.0932896	0.847856	0.535279	1
Irak2_j2	0.345447	0.933506	0	1	1
Syn2_j2	39.6862	36.2464	-0.1308	0.142479	0.469152
Pparg_j3	0	0.184428	1.79769e+308	0.0087424	0.0775264
Mkrn2_j1	0.641107	0.751038	0	1	1

March8_j6	0.635806	0.396829	0	1	1
March8_j10	3.08094	4.092	0	1	1
Cxcl12	1.24408	1.73915	0	1	1
Zfp637_j3	0.844569	0.617498	-0.45178	0.342715	0.682586
Zfp239_j4	1.76933	1.62473	-0.123004	0.596365	0.83935
Hnrnpf_j1	0.799747	0.61045	0	1	1
Hnrnpf_j3	35.6768	44.4787	0	1	1
Hnrnpf_j4	6.0403	4.69391	0	1	1
XLOC_027885	0.0515966	0.126811	1.29733	0.195999	1
XLOC_027885	0.0522021	0.102957	0.979867	0.417266	1
Rasgef1a_j6	6.25117	5.44023	-0.200457	0.238989	0.586151
Dcp1b_j1	0.0960002	0.0914149	-0.0706079	0.909921	1
Rad52	0.114489	0.21783	0.927994	0.103214	0.398287
Rad52_j11	0.588424	0.961536	0.708486	0.126218	0.442417
Kdm5a_j3	0.375479	0.145916	0	1	1
Kdm5a_j2	0.0598831	0.125034	0	1	1
Il17ra_j1	0.00219519	0.349127	0	1	1
Cecr2_j2	0	0.156738	1.79769e+308	5.32E-05	1
Slc6a13_j2	0.0702338	0.0952158	0.439036	0.726739	1
Slc6a13_j8	0	0.0542354	1.79769e+308	0.179917	1
A2m_j1	0	0.106796	1.79769e+308	0.0036922	1
XLOC_027904	0.0229377	0.158821	2.79161	0.162265	0.49761
Foxj2_j2	3.54227	4.81855	0	1	1
Clec4a3_j1	0	0.11676	1.79769e+308	0.0657723	1
C530028O21Rik_j2	1.52591	1.53992	0	1	1
Zfp384_j7	0.508986	0.240056	0	1	1
Acrbp_j1	0.240701	0.400918	0.736063	0.0708938	0.320021
Lpar5_j2	0.37483	0.377227	0.00919628	0.978539	0.993756
Chd4_j1	1.2378	1.00074	0	1	1
Chd4_j7	0.507206	0.5146	0	1	1
Chd4_j9	0	0.0677092	0	1	1
Chd4_j10	1.78254	1.60562	0	1	1
Vamp1_j1	0.165893	0.200766	0.275263	0.678888	0.879317
Vwf	0.263271	0.300992	0.193176	0.521715	0.798357
Vwf_j3	1.26912	2.21198	0.80151	0.0193089	0.137521
D6Wsu163e_j3	0.0489837	0.203142	2.05212	0.073636	0.327003
XLOC_027949	0.186305	0.151085	0	1	1
XLOC_027949	0.129943	0.153456	0	1	1
Tspan11_j2	0.0112337	0.224694	4.32206	0.0725877	0.32416
Foxm1_j3	0	0.136886	1.79769e+308	0.0012272	1
Gm10069_j1	0.226509	0.174266	0	1	1
Prp2_j1	0	0.372419	1.79769e+308	2.24E-05	0.0006065
XLOC_027969	0.0387539	0.0588787	0	1	1
Crebl2_j3	9.47268	8.14169	0	1	1
8430419L09Rik_j1	2.42724	3.02087	0	1	1
8430419L09Rik_j5	5.46154	3.7711	0	1	1
Atf7ip_j3	0	0.16866	0	1	1

BC049715_j1	0.0500251	0.183096	0	1	1
Ptpro_j4	1.64434	3.5451	1.10832	4.39E-06	0.0001509
Strap_j1	15.3703	14.7043	-0.0639097	0.488811	0.779314
Plekha5_j2	2.04627	1.65853	-0.303091	0.139043	0.463653
Plekha5_j4	0	0.111558	1.79769e+308	0.0345336	1
Slco1c1_j2	0	0.226784	1.79769e+308	0.0006641	0.0102994
XLOC_027996	0.156128	0.197918	0.342172	0.646362	0.863665
AK043509_j3	0.0766526	0.0697575	-0.135985	0.876707	1
Lrmp_j6	2.69E-05	0.146587	12.411	0.946019	1
Rassf8_j2	0.461594	0.3134	0	1	1
Sspn_j3	0.927526	1.62703	0	1	1
Far2	2.5437	2.10764	0	1	1
2810474O19Rik_j5	0.149963	0.171067	0.189959	0.705226	0.892225
Samd9l_j1	0.116433	0.432332	1.89264	2.75E-05	0.0007185
Pon2_j3	0.28477	0.708014	1.31398	0.0261973	0.169915
XLOC_028042	0.322315	0.254031	-0.343468	0.586398	0.834392
Col28a1_j5	0.162664	0.30619	0	1	1
Col28a1_j6	0.00273033	1.00028	0	1	1
Rpa3_j1	0.806513	1.02257	0.342427	0.47103	0.76863
Tmem168_j1	0.000854881	0.458623	0	1	1
Gpr85_j5	0.368892	0.591203	0	1	1
2610001J05Rik_j1	9.17461	10.0366	0.129559	0.372632	0.705661
Cttnbp2	1.09897	3.02388	0	1	1
Grm8_j3	0	0.282575	1.79769e+308	0.0001069	0.00228
XLOC_028077	0.236663	0.238678	0.0122322	0.990445	0.997044
Kcp_j4	0.0442565	0.0760788	0.781605	0.62266	1
Tnpo3_j1	7.06871	9.54409	0	1	1
Gm2058_j3	0.326712	1.70276	2.38178	7.44E-14	1.26E-11
Tmem209_j2	6.53206	6.34893	0	1	1
Tmem209_j3	0.335327	0.204426	0	1	1
Tsga14_j2	0.287584	0.548154	0	1	1
Copg2_j4	0.382902	0.306209	0	1	1
Copg2_j6	0	0.210727	0	1	1
XLOC_028090	0.0414752	0.132934	1.68039	0.164621	1
Chchd3_j3	0.292409	8.57065	4.87334	0	0
Cnot4_j2	0.634773	0.967834	0	1	1
Ptn_j4	0	0.218949	0	1	1
Dgki_j5	4.75254	3.87697	-0.293769	0.0065393	0.0624934
Dgki	3.12979	2.56376	-0.287807	0.0175982	0.128774
Creb3l2_j2	0.347035	0.547442	0	1	1
Zc3hav1_j1	2.25081	3.36163	0	1	1
XLOC_028122	0.0877197	0.110416	0.331978	0.631962	1
Parp12_j4	1.39984	1.67033	0.254876	0.259682	0.608462
Jhdm1d_j1	0.406487	0.28418	0	1	1
Slc37a3_j1	3.10018	5.37771	0	1	1
Mkrn1_j3	2.19314	2.20223	0	1	1
Fam115c_j4	0.0216641	0.0643997	1.57175	0.237041	1

Fam115a_j5	0	0.169336	0	1	1
Tpk1_j3	0	0.2285 1.79769e+308	0.0040198	0.0430416	
Tpk1_j4	0.239281	0.310392	0.375388	0.539314	0.808383
Tpk1_j6	0.267641	0.13493	-0.988091	0.208308	0.552336
Ezh2_j6	0.070777	0.151576	1.09869	0.218824	1
Ezh2_j5	0.1816	0.081711	-1.15217	0.212577	0.557606
Zfp786_j2	0.450109	0.43741	-0.0412888	0.906897	0.97045
Zfp777_j1	0.154204	0.644446	0	1	1
Zfp777_j2	1.92963	2.07736	0	1	1
Zfp777	1.87302	3.02729	0	1	1
Zfp746_j2	0.465276	0.657151	0	1	1
Zfp467_j2	0.0858053	0.681714	2.99003	2.56E-07	1.24E-05
Rarres2_j5	0.805356	1.06066	0	1	1
Gimap3	8.35E-05	0.207427	11.2787	0.917424	0.974286
Igf2bp3_j1	0.272694	0.227645	-0.260494	0.58212	0.832681
XLOC_028158	0.212312	0.234702	0.144647	0.86238	0.956421
Osbpl3_j4	0	0.383179	0	1	1
Hnrnpa2b1_j1	43.1427	43.598	0.0151443	0.863718	0.956651
Hoxa3_j3	0.46407	0.401588	0	1	1
Hoxa7_j4	1.07393	1.54423	0	1	1
Hoxa9_j5	0	0.101267	0	1	1
Hibadh_j1	1.53055	7.23299	2.24054	4.44E-16	1.02E-13
Crhr2_j4	0	0.0776425 1.79769e+308	0.0495785		1
Pde1c_j2	0.370452	0.745995	0	1	1
Lsm5_j2	0.191904	0.227308	0.244259	0.867829	0.958158
Ppm1k_j3	0	0.141202 1.79769e+308	0.0046145		1
Vopp1_j5	7.48402	10.3249	0	1	1
AK043607_j3	0.0775446	0.249193	1.68417	0.0923731	0.37398
Gadd45a_j2	34.4053	98.1324	1.5121	0	0
Smyd1_j3	0.134646	0.0403422	-1.73881	0.114028	1
Kdm3a	3.4244	3.34921	-0.0320308	0.801776	0.934013
Ptcd3_j4	0.537395	0.349254	0	1	1
okadin type I_j1	0.0774399	0.117032	0.595756	0.552049	1
Sh2d6_j5	0.0922304	0.109884	0.252663	0.783087	1
Tcf7l1_j2	0.996557	1.20702	0.276427	0.353642	0.68999
Dnahc6_j7	0.209067	0.270031	0.369154	0.474676	0.770791
Dnahc6_j11	0.124731	0.0257247	-2.2776	0.205086	1
Dnahc6_j13	0.0427937	0.117977	1.46303	0.205769	1
Ctnna2_j7	0	3.17816	0	1	1
Ctnna2_j8	18.1304	18.3351	0	1	1
Hk2_j3	0.172901	0.233565	0.433878	0.293821	0.640638
Sema4f_j3	2.61627	10.2784	0	1	1
Dok1_j1	0.0300078	0.907789	4.91895	0.0002688	0.0048881
Tlx2_j1	2.91071	2.78458	-0.0639108	0.582316	0.832693
Mthfd2_j2	4.19925	9.64567	0	1	1
Cyp26b1_j1	0	0.0610169 1.79769e+308	0.0265981		1
Exoc6b_j2	10.5457	12.2283	0	1	1

Rab11fip5_j2	1.91562	3.70294	0	1	1
Pcyox1_j2	9.63514	8.88873	-0.116328	0.375358	0.707705
Mxd1_j1	1.30984	1.1508	0	1	1
Antxr1_j1	0	0.522733	0	1	1
Arhgap25_j5	0	0.272418	1.79769e+308	0.0024324	0.0292038
Prokr1_j3	0.000216538	0.72294	0	1	1
AK131825_j3	0.135976	0.132127	-0.0414244	0.969628	1
Cnbp_j1	58.9148	80.269	0	1	1
Rab7_j4	0.0516206	0.104457	0	1	1
Plxna1_j1	3.85184	5.03367	0	1	1
Ccdc37_j5	0.142159	0.218758	0.621824	0.141654	0.46823
lqsec1_j7	0.604131	0.68033	0	1	1
Nup210_j4	0.0515309	0.188384	1.87016	0.105165	0.402655
Wnt7a_j2	0.0439376	0.210081	2.25741	0.0150905	0.115384
Grip2_j7	0	0.0755469	0	1	1
Grip2_j6	0.0533323	0	0	1	1
Grip2_j5	0	0.0690223	0	1	1
Zfyve20_j4	0.136196	0.435724	0	1	1
Prickle2_j2	0.318488	0.20956	0	1	1
Adamts9_j3	0.0380537	0.16777	2.14038	0.0010975	0.0153713
Magi1_j5	8.95303	7.53895	0	1	1
Magi1_j11	18.9637	18.1936	0	1	1
Uba3_j5	2.28613	4.9689	0	1	1
Gm765_j3	0.244624	1.83957	0	1	1
Foxp1_j3	0.540768	0.440913	0	1	1
Eif4e3_j5	0.3968	1.03948	0	1	1
XLOC_028313	0	0.222187	1.79769e+308	0.0040161	0.0430209
Srgap3_j2	21.4773	22.3655	0.0584637	0.511686	0.79169
Gt(ROSA)26Sor	1.19077	1.86961	0	1	1
Lhfp14_j4	1.47676	2.25646	0	1	1
Camk1_j4	0	0.24103	0	1	1
Cidec_j1	0.0648896	0.35611	2.45627	0.0381956	0.217231
Tmem111_j2	8.00757	10.2843	0	1	1
Ghrl_j2	0.0596204	0.0494415	0	1	1
Tmem40_j1	2.11E-05	0.249244	13.5296	0.987189	0.996309
Mbd4_j1	0.259976	0.240634	-0.111538	0.841783	0.950003
Plxnd1_j7	11.1712	14.5411	0	1	1
Plxnd1_j10	1.23843	1.38142	0	1	1
Tmcc1_j6	0.202104	0.978809	0	1	1
Tmem72_j3	0.338539	0.408077	0	1	1
Fxyd4_j1	0	0.0523578	1.79769e+308	0.0375828	1
Ret_j7	0.271099	0.415085	0	1	1
Ret_j5	0	0.187647	0	1	1
Ret_j6	0.054413	0.164788	0	1	1
Bms1_j4	1.83406	3.43295	0	1	1
Zfp248_j1	0.000145053	0.145518	0	1	1
Cacna1c_j4	0	0.0493213	0	1	1

Lrtm2_j2	0	0.0553968	1.79769e+308	0.0469324	1
Erc1_j4	1.38457	2.11008	0	1	1
Erc1_j5	0.461444	0.298008	0	1	1
Wnk1_j8	9.78849	9.09231	0	1	1
Wnk1_j10	1.91131	1.8924	0	1	1
Wnk1_j9	2.7537	2.62074	0	1	1
Cecr5_j2	0.688699	0.798264	0	1	1
Mical3_j3	0.881677	1.02708	0.220223	0.239777	0.587141
Iqsec3	0.284721	0.212802	0	1	1
Iqsec3_j5	1.14564	1.07884	0	1	1
Phc1_j1	0.0967219	0.182562	0	1	1
C1s_j10	0.117086	0.255392	1.12514	0.154677	0.487817
Atn1_j1	0.451991	0.435896	0	1	1
Eno2_j2	2.4958	3.52398	0	1	1
Eno2_j4	32.5197	26.2203	0	1	1
Lrrc23_j1	0.158366	0.196567	0	1	1
Lrrc23_j2	0.0697569	0.0874599	0	1	1
Lrrc23_j5	0.115956	0.133886	0	1	1
Tpi1_j2	103.006	116.968	0	1	1
Gnb3_j1	0	0.0827365	1.79769e+308	0.0894294	1
Leprel2_j3	0.103016	0.388412	1.91472	1.25E-05	0.0003748
Leprel2_j1	0.0306695	0.125275	2.03022	0.0087398	1
Leprel2_j2	0.349723	0.129962	-1.42812	0.0021395	0.0263255
Cd4_j1	0.0998062	0.114512	0.198296	0.833654	1
Lag3_j1	0	0.0831936	1.79769e+308	0.0555675	1
Lag3_j2	0.0262484	0.127087	2.27551	0.122216	1
Ptms_j2	0.0811164	0.063444	0	1	1
Cops7a	8.89872	8.38731	0	1	1
Ncapd2_j4	1.65141	1.45633	-0.181368	0.337833	0.678381
XLOC_028410	0.045477	0.0642909	0.499476	0.330506	1
Dyrk4_j3	0	0.0844917	1.79769e+308	0.0540938	1
AK033854_j1	0.0245967	0.0713951	0	1	1
Klra2_j2	0.014237	0.106043	2.89692	0.250676	1
Magohb_j1	0.990521	0.955917	-0.0513014	0.91043	0.971772
AK016696_j2	0.0768245	0.248951	0	1	1
Slco1a4_j6	0.0854493	0.28228	1.72399	0.0073088	0.0680843
Slco1a4_j5	0.463596	0.453135	-0.0329268	0.93123	0.979039
Slco1a4_j8	0.0838285	0.310872	1.89081	0.039033	0.220399
Abcc9_j1	0	0.108946	1.79769e+308	0.0068208	1
5730419I09Rik_j11	0.92289	1.39726	0	1	1
5730419I09Rik_j10	1.3621	1.47378	0	1	1
5730419I09Rik_j13	0.631597	0.876863	0	1	1
XLOC_028478	0	0.0488369	1.79769e+308	0.309048	1
Sox5_j1	0	0.0918639	1.79769e+308	0.0245072	1
Sox5_j2	0.00941092	0.0548317	2.5426	0.173061	1
Bhlhe41_j2	11.0687	15.5108	0.486781	3.31E-07	1.55E-05
Tmtc1_j2	0	0.160494	0	1	1

Tmtc1_j3	0.238906	0.272727	0	1	1
Ipo8_j2	1.75728	1.59795	0	1	1
Caprin2_j4	0	0.149893	0	1	1
Dennd5b_j2	0.0291175	0.172853	0	1	1
Dennd5b_j3	0.00232935	0.412088	0	1	1
Col1a2_j6	3.52261	4.71172	0	1	1
Casd1_j1	0.227865	0.366495	0	1	1
Neurabin_j9	0	0.235777	0	1	1
Glcci1_j1	0.202168	0.733485	1.85921	0.0014328	0.0190435
Glcci1_j2	0.232736	0.036035	-2.69122	0.0406651	0.226309
Glcci1_j5	0.472594	0.41307	-0.194214	0.725672	0.902548
Glcci1_j11	0	0.706936	0	1	1
Foxp2_j2	0	0.148364	1.79769e+308	0.0093934	1
Met_j3	0.00693067	0.117184	4.07963	0.0413262	1
A430107O13Rik_j2	0	0.0498223	1.79769e+308	0.021467	1
Ptprz1_j1	0	0.050253	0	1	1
Ptprz1_j2	1.16806	1.47731	0	1	1
XLOC_027590	0.341421	0.466623	0	1	1
6530409C15Rik	0.0995492	0.390083	1.9703	0.0106579	0.0896973
Arf5_j1	77.0791	84.6803	0.135688	0.199299	0.542218
Snd1_j3	12.0993	11.1557	0	1	1
Snd1_j4	2.07686	7.11014	0	1	1
Ahcyl2_j4	2.31091	6.06547	0	1	1
Fam40b_j3	0.488125	0.480719	-0.0220563	0.949088	0.985323
AK080631_j1	0.114476	0.179518	0.649079	0.6311	0.8565
Gm13846_j1	0.030959	0.0551463	0.832906	0.531496	1
AK080631_j4	0.216471	0.229017	0.0812829	0.924342	0.976334
AK080631_j6	0.133037	0.335444	1.33425	0.29119	0.638466
Exoc4_j4	0.143814	0.207006	0	1	1
Lrguk_j4	0.275088	0.251027	-0.13205	0.772296	0.922699
Agbl3_j4	0.038113	0.178602	2.2284	0.01803	0.131132
XLOC_027632	0.156179	0.133627	-0.224986	0.799259	0.933125
Nup205_j2	1.88508	2.101	0	1	1
XLOC_027639	0.342488	0.439509	0.359842	0.323547	0.666591
Ttc26_j1	0.553122	0.664196	0.264012	0.354278	0.690503
Luc7l2_j12	0.115282	0.217951	0	1	1
Tbxas1_j3	0.0260709	0.0851021	1.70676	0.396439	1
AK016417_j1	3.03196	2.99471	0	1	1
Agk_j5	0.48707	0.266859	-0.868049	0.106242	0.404681
Ssbp1_j1	1.18197	1.9477	0.720571	0.0392803	0.221307
TCR-beta chain_j1	0.0368076	0.321107	3.12498	0.112105	0.416662
Zyx_j1	0	0.09552	0	1	1
Zyx_j4	12.3337	11.3531	0	1	1
Arhgef5_j4	0.104602	0.111174	0.087907	0.925926	1
Cntnap2_j4	0	0.0612492	1.79769e+308	0.175654	1
Zfp398_j3	0.870268	0.70006	-0.313981	0.12342	0.437384
mKIAA4190_j7	0.511249	0.347584	-0.556666	0.211355	0.556171

Krba1	0.0776649	0.253122	1.7045	4.66E-05	0.0011259
Sspo_j24	0.0179825	0.0644252	1.84103	0.32051	1
Al854703_j1	1.03156	2.47558	1.26293	1.30E-06	5.20E-05
Al854703_j10	0.392923	0.266449	-0.560386	0.235964	0.583297
Gimap4_j2	0.0883826	0.10028	0.182203	0.88252	1
Gimap5_j1	0.0607591	0.0655521	0.109542	0.930162	1
Gimap5_j2	0.101839	0.113168	0.152174	0.866209	1
Tmem176a_j1	2.98546	3.41491	0	1	1
2410003K15Rik_j5	0.276183	0.311274	0.172564	0.72095	0.900148
Npy_j3	2.14599	40.2346	0	1	1
AK043004_j2	0	0.0468272	1.79769e+308	0.120736	1
AK043004_j3	0.0223649	0.167283	2.90298	0.0533373	0.268749
Snx10_j4	0	0.164872	0	1	1
Snx10_j5	14.6195	12.4223	0	1	1
5730446D14Rik_j1	0.90547	0.783186	-0.209311	0.440698	0.749739
Tax1bp1_j2	6.83691	6.80836	0	1	1
Tax1bp1_j6	67.7027	70.919	0	1	1
Creb5_j1	0.014697	0.0488184	0	1	1
Chn2_j3	1.67899	1.34479	0	1	1
Herc6_j1	0.0721	0.172193	1.25596	0.0326624	0.196592
Abcg2_j4	16.4601	23.4414	0	1	1
C130060K24Rik_j3	0.304922	0.281027	-0.117732	0.809501	0.937655
Mad2l1_j2	0.0987682	0.0976506	-0.0164186	0.989375	1
XLOC_027729	0.186797	0.219295	0.231403	0.700977	0.890108
M34473	0.0287234	0.0731715	1.34906	0.583185	1
Rnf103_j2	8.69448	8.52039	0	1	1
Vps24_j6	39.5616	42.1278	0	1	1
Immt_j11	0.143628	0.315768	0	1	1
Suclg1_j4	61.9614	59.3247	-0.0627381	0.512157	0.792031
Reg3b_j1	0.0134836	0.559437	5.3747	0.227364	0.574588
Reg1_j1	0.06507	1.89414	4.86341	2.03E-06	7.69E-05
Loxl3_j3	0.0260234	0.192692	2.88842	0.0001	0.0021576
Dctn1_j1	38.7645	39.3533	0	1	1
Dctn1_j7	0	0.137808	0	1	1
Dctn1_j11	84.2942	96.5152	0	1	1
Mobkl1b_j1	2.13896	2.75205	0	1	1
Nagk_j6	9.27225	9.14539	0	1	1
Alms1_j7	0	0.0700541	1.79769e+308	0.0633384	1
Alms1_j12	0.240966	0.315284	0.387821	0.347828	0.68643
Alms1_j1	0.168077	0.187727	0.159514	0.905537	0.969961
Add2_j3	6.5425	5.94119	0	1	1
Tgfa_j1	0	0.233025	1.79769e+308	0.0001949	0.0037602
Tia1_j7	0.859968	1.12162	0	1	1
Tia1_j10	0	0.0694889	0	1	1
C87436	0.865531	1.09365	0	1	1
C87436_j2	0.218505	0.340972	0	1	1
AK005503_j3	0	16.0529	0	1	1

Aak1_j8	5.98248	3.95456	0	1	1
Aak1_j9	6.1798	5.6431	0	1	1
Nfu1_j5	3.78478	4.93824	0	1	1
Ccdc48_j6	0.178601	0.0660896	-1.43425	0.296287	0.643078
Gp9_j1	0.0741554	0.231385	1.64167	0.0789341	0.34087
Gm5577_j1	0.058586	0.0494119	-0.245698	0.836727	1
Ruvbl1_j5	4.31416	4.5888	0.0890377	0.844306	0.950736
Ruvbl1_j6	0	0.218761	1.79769e+308	0.141956	0.46851
Ruvbl1_j10	0	0.0690199	1.79769e+308	0.315268	1
MglI_j1	8.49369	9.94253	0	1	1
Fbln2_j6	0	0.610972	0	1	1
AK007770_j1	0.999494	0.840256	-0.250369	0.732978	0.905795
Tmem43_j1	2.58792	4.61668	0	1	1
Slc6a6_j1	0	0.241101	0	1	1
C130022K22Rik_j1	4.1981	4.13453	-0.022013	0.904817	0.969711
Fgd5_j3	0.413015	0.327246	-0.335819	0.448911	0.755264
9530026P05Rik_j3	0	0.423327	1.79769e+308	3.95E-09	2.98E-07
9530026P05Rik_j2	1.05927	0.558388	-0.923729	0.000196	0.0037768
Mitf_j3	0	0.0618599	1.79769e+308	0.089082	1
Mitf_j6	0	0.124139	1.79769e+308	0.0399452	1
Cntn6_j2	0	0.102998	1.79769e+308	0.0634516	1
Cntn6_j5	1.20406	0.980686	-0.29604	0.482631	0.775777
Cntn4_j9	1.1318	0.969111	-0.223883	0.420216	0.736588
Cntn4_j10	0.586472	0.527185	-0.153755	0.590345	0.83654
Lrrn1_j1	64.3955	50.4369	0	1	1
Edem1_j3	0.700538	0.660146	0	1	1
Setd5_j6	1.51404	1.44435	-0.067991	0.709604	0.894305
Setd5_j5	0.593151	0.553962	-0.0986113	0.724407	0.901947
Setd5_j4	1.64205	1.4576	-0.171911	0.3477	0.686289
Setd5_j7	0.618945	0.902985	0.544891	0.0251623	0.165002
Brpf1_j7	0.695692	0.951751	0.452135	0.0984529	0.387939
Ttll3_j4	1.58918	1.75474	0	1	1
Jagn1_j2	0.244393	0.586357	0	1	1
Il17rc_j3	0.0324237	0.147941	2.1899	0.0757654	1
Fancd2_j6	0	0.0707681	1.79769e+308	0.102537	1
Fancd2_j8	0.101152	0.241836	1.25751	0.123865	0.438501
Atg7_j1	8.94104	7.87466	0	1	1
Atg7_j2	5.49344	4.90929	0	1	1
Pparg_j6	0	0.184713	1.79769e+308	0.011432	0.0945953
March8_j7	0	0.201386	0	1	1
Zfp637_j6	9.57479	12.7304	0.41097	0.006679	0.0635171
Rasgef1a	2.82613	2.39072	-0.241384	0.355663	0.691547
Rasgef1a_j2	0	0.304688	1.79769e+308	0.0067245	0.0638004
Dcp1b_j9	0.0650571	0.0617663	-0.0748866	0.934533	1
Rad52_j13	0.612246	0.782384	0.353764	0.552706	0.816696
Kdm5a_j6	0.150336	0.234599	0	1	1
Cecr2_j1	0.125559	0.139703	0.153993	0.850142	1

Slc6a13_j6	0	0.10555	1.79769e+308	0.114263	1
Slc6a12_j1	0	0.110215	1.79769e+308	0.0336141	1
XLOC_027904	0.108101	0.288451	1.41595	0.229317	0.576415
Foxj2_j1	0.174633	0.0986053	0	1	1
Clec4n	8.85E-06	0.141631	13.9669	0.994603	1
Cd163	0.201888	0.211446	0.0667363	0.880076	0.961682
C530028O21Rik_j1	4.78671	3.64587	0	1	1
C530028O21Rik_j3	3.80471	2.09313	0	1	1
Zfp384_j6	0.454211	0.559969	0	1	1
Acrbp_j11	0.477757	0.446475	-0.0976976	0.759549	0.91718
Lpar5_j1	4.79992	4.01888	-0.256215	0.032739	0.196931
Chd4_j2	0	0.147924	0	1	1
Nop2_j1	3.05834	3.3072	0	1	1
XLOC_027935	0.055866	0.113124	1.01786	0.420377	1
Fgf23	0.0636033	0.159322	1.32477	0.22302	0.570025
Tspan11_j1	0.108517	0.162896	0.586033	0.460231	0.761799
Clec1b_j1	0.0835587	0.163563	0.968989	0.293058	0.640091
8430419L09Rik_j2	0.237176	0.436695	0	1	1
Ptpro_j1	0.964676	2.39473	1.31175	4.53E-12	5.84E-10
Ptpro	0	0.415554	1.79769e+308	0.000112	0.0023696
Plekha5_j8	0.253434	0.261907	0.0474476	0.883503	0.963029
AK045625	0.285426	0.27364	-0.0608357	0.925061	0.976735
Lrmp_j4	0.0694019	0.0748723	0.109457	0.902237	1
XLOC_028007	0.199111	0.172513	0	1	1
Rassf8_j5	0.323815	0.428222	0	1	1
Arntl2_j7	0.0216728	0.156037	2.84793	0.0349442	1
Ppfibp1_j3	4.70768	4.37822	0	1	1
Ppfibp1_j4	0	0.595979	0	1	1
Ccdc91_j3	8.17044	8.83784	0	1	1
Far2	0.578908	0.624875	0	1	1
Bicd1_j2	0.889675	1.46158	0	1	1
AK035387_j3	0.726813	0.676336	-0.103844	0.710845	0.894919
Pon3_j4	0	0.137833	1.79769e+308	0.0713501	1
Slc25a13_j2	0.0247624	0.0743938	1.58703	0.222124	1
Asns_j5	8.26341	10.3919	0	1	1
Col28a1_j1	4.46342	3.8596	0	1	1
Rpa3_j3	0.324143	0.304252	-0.091365	0.929599	0.978386
Rpa3_j4	0.391137	0.340208	-0.201259	0.804509	0.935237
Ica1_j5	1.99281	2.46766	0	1	1
Ica1_j6	4.27079	8.20833	0	1	1
Ndufa4_j1	211.921	230.252	0.119688	0.286856	0.635459
XLOC_028052	0.0731887	0.153999	1.07323	0.438484	1
B630005N14Rik_j1	0.924026	0.935005	0.0170415	0.951918	0.986165
Gpr85_j6	0.00156917	1.26693	0	1	1
2610001J05Rik_j3	0	0.980863	1.79769e+308	0.015429	0.117303
Cttnbp2_j4	1.26582	2.63449	0	1	1
Fam3c_j1	3.86085	2.35344	0	1	1

Cadps2_j3	1.98351	1.07504	0	1	1
Grm8_j6	2.39199	2.42054	0.0171182	0.939192	0.981504
Grm8_j10	0.593904	0.455483	-0.382832	0.451044	0.756361
Zfp800_j1	0.0001914	0.262635	10.4223	0.80852	0.937072
Rbm28_j3	0.496077	0.815018	0.716268	0.0256434	0.167235
Impdh1_j1	5.10336	11.127	0	1	1
Kcp_j5	0.108901	0.146716	0.430018	0.536771	1
Zc3hc1_j3	1.20195	2.45101	1.028	0.0104358	0.0882249
Copg2_j1	0.203072	0.25435	0	1	1
Podxl_j2	0.216268	0.156467	0	1	1
Slc35b4_j2	0.262633	0.271327	0	1	1
Zc3hav1_j7	0.153574	0.269643	0	1	1
Hipk2_j2	1.34975	1.58457	0	1	1
Dennd2a_j2	0.0892921	0.0671413	0	1	1
Mrps33_j1	20.3459	20.5946	0.0175291	0.91756	0.974311
Clec5a_j1	0.0111203	0.0938136	3.07661	0.350457	1
Clec5a	0	0.107627	1.79769e+308	0.0635244	1
Fam115a_j1	3.99565	2.85653	0	1	1
Zfp786_j1	0	0.0480946	1.79769e+308	0.0533237	1
Tmem176b_j3	11.0439	21.5166	0	1	1
Tra2a_j2	0.618633	0.095663	0	1	1
Tra2a_j3	0.379693	0.380966	0	1	1
Osbp13_j8	1.66545	8.71021	0	1	1
Hnrnpa2b1_j2	0.0348852	0.0909661	1.38271	0.158682	1
Hoxa3_j1	0.365457	0.333795	0	1	1
Hoxa4_j1	0	0.117801	1.79769e+308	0.086296	1
Hoxa5_j1	1.87013	1.98878	0	1	1
Hoxa7_j2	0.861306	0.745007	0	1	1
Hibadh_j2	0.139235	0.0682407	-1.02881	0.448812	0.755217
Nod1_j1	0.885951	0.933475	0.075384	0.822943	0.942847
Crhr2_j5	7.67E-05	0.0982092	10.3218	0.946245	1
Ppm1k_j2	0.169862	0.328041	0.949509	0.113161	0.418717
Vopp1_j1	0.0721709	3.69881	0	1	1
AK043607_j1	0.0467249	0.110582	1.24286	0.187444	1
Gadd45a_j5	0	2.16304	1.79769e+308	0.000118	0.0024694
Rpia_j2	0.485791	1.08407	1.15805	0.0105579	0.0889941
Smyd1_j1	0.00172931	0.114716	6.05172	0.194827	1
Rnf181_j3	17.9724	22.0417	0	1	1
Sh2d6_j3	0.109199	0.0718211	-0.604476	0.727577	1
Tcf7l1_j1	1.18458	0.938372	-0.336149	0.251002	0.598849
Kcmf1_j1	21.8685	23.2102	0	1	1
Tmsb10_j2	122.029	184.812	0.598839	3.28E-10	2.98E-08
XLOC_028221	0	0.539672	1.79769e+308	0.0126862	0.102195
Ctnna2_j2	35.4682	47.3088	0	1	1
Ctnna2_j16	17.501	18.0746	0	1	1
Hk2_j2	0.122404	0.0932341	-0.39272	0.63406	1
Sema4f_j5	13.6654	26.5776	0	1	1

Sema4f_j4	7.9131	13.3866	0	1	1
Htra2_j1	0.0356057	0.12573	1.82014	0.0412823	1
AK161590_j2	0.183913	0.433225	1.23609	0.0181138	0.131624
AK161590_j1	1.33461	1.04579	-0.351823	0.179614	0.519339
Wbp1_j4	0.422029	1.70381	0	1	1
Wbp1_j7	0.545628	1.23247	0	1	1
Mthfd2_j1	2.88433	2.65641	0	1	1
Tet3_j3	0.15848	0.206513	0	1	1
Stambp_j1	3.01373	4.81179	0	1	1
Sfxn5_j3	4.97122	3.85204	0	1	1
Dusp11_j1	3.07183	4.12795	0	1	1
Dusp11_j2	1.34194	1.78952	0	1	1
Gmcl1_j3	10.0273	10.8191	0	1	1
Arhgap25_j6	0.107467	0.344365	1.68004	0.0196377	0.139169
AK131825_j5	0	0.0854436	1.79769e+308	0.0910952	1
XLOC_028267	0	0.287108	1.79769e+308	0.007764	0.0710481
Abtb1_j5	3.85902	6.64572	0	1	1
Mcm2_j1	0.0386397	0.181387	2.23091	0.0154907	0.117492
Iqsec1_j1	13.0275	9.86604	0	1	1
Nup210_j2	0.164911	0.428459	1.37747	0.00276	0.0322486
Wnt7a_j1	0.973507	0.860173	-0.178565	0.522688	0.798994
Xpc_j2	1.11696	1.24837	0	1	1
Grip2_j1	0.21947	0.377304	0	1	1
Zfyve20_j3	0.45226	0.555475	0	1	1
Adamts9_j4	0.730963	0.297575	-1.29655	0.0006777	0.0104546
Magi1_j3	0.211248	0.585851	0	1	1
Magi1_j6	0.0848636	0	0	1	1
Uba3_j6	2.47819	8.1546	0	1	1
Gm765_j5	5.39247	3.37926	0	1	1
Foxp1_j4	0.463527	0.387703	0	1	1
Eif4e3_j3	3.96006	4.58451	0	1	1
XLOC_028306	0.0827883	0.171793	1.05317	0.119397	0.429995
Shq1_j3	0.0410613	0.182659	2.1533	0.0342464	0.202769
Pdzrn3_j1	1.73E-05	0.234056	13.7216	0.963569	0.989788
Cntn3_j5	0	0.0743512	1.79769e+308	0.0103132	1
Srgap3_j4	0.0442285	0.0884243	0.999467	0.148608	1
Srgap3	0.837311	0.145892	-2.52087	3.57E-11	4.00E-09
Gt(ROSA)26Sor_j1	3.51574	2.9902	0	1	1
Camk1_j2	0	0.74854	0	1	1
Prرت3_j2	4.66745	6.03024	0.36958	0.001196	0.0165048
Atp2b2_j1	3.30639	3.58116	0	1	1
Atp2b2_j4	0.535016	0.368933	0	1	1
Raf1_j2	5.14629	5.88021	0	1	1
Tmem40	0	0.128124	1.79769e+308	0.0541415	1
Tmem40_j3	0.069495	0.208651	1.58611	0.199136	0.542198
BC060267_j3	0	0.0532699	1.79769e+308	0.122376	1
BC060267_j6	3.63E-05	0.242165	12.7035	0.930371	0.978661

Plxnd1_j9	2.75003	3.3947	0	1	1
Tmem72_j2	0.822426	0.556554	0	1	1
Ret_j4	68.0722	79.2013	0	1	1
Ret_j3	8.93854	13.4736	0	1	1
Ret_j12	47.0771	69.1828	0	1	1
Ankrd26_j2	0.218963	0.484269	0	1	1
Cacna1c_j1	3.01607	1.12636	0	1	1
Lrtm2_j1	0.000647082	0.119217	7.52542	0.435023	1
Adipor2_j1	1.03524	1.14552	0.14603	0.58598	0.834212
Erc1_j7	0.197783	0.310674	0	1	1
Wnk1_j6	0.945688	0.80117	0	1	1
B4galnt3_j2	0.0186363	0.0649802	1.80188	0.198283	1
Atp6v1e1_j2	29.7058	40.5264	0	1	1
Bid_j1	1.54857	2.52838	0	1	1
Mical3_j5	0.33165	0.586736	0.823052	0.0519581	0.264508
Mical3_j6	1.18969	1.02547	-0.214299	0.431984	0.74396
Mical3_j5	0.0499144	0.241928	2.27705	7.11E-05	0.0016051
Iqsec3_j7	1.89842	2.53103	0	1	1
Phc1_j6	0.314984	0.579415	0	1	1
Apobec1_j5	0.089885	0.454185	2.33713	0.0068162	0.0645073
Slc2a3_j8	2.26311	2.36844	0	1	1
Pex5_j3	2.13517	3.18619	0	1	1
Ptpn6	0	0.254276	1.79769e+308	0.0026454	0.0311971
Atn1_j2	1.18316	0.903885	0	1	1
Lrrc23_j4	0	0.0853997	0	1	1
Usp5_j3	0.0735969	0.310704	0	1	1
Leprel2_j7	0.674552	0.865648	0.359851	0.234257	0.581678
Ptms_j4	170.717	182.966	0	1	1
Cd9_j3	268.416	309.214	0	1	1
Dyrk4_j9	0.0339453	0.0525711	0.63106	0.66981	1
Rad51ap1	0.267114	0.0700175	-1.93167	0.318662	0.662021
Ccnd2_j1	0	0.067423	1.79769e+308	0.0103571	1
XLOC_028421	0.363029	0.880964	0	1	1
Fkbp4_j2	0.391872	0.85689	0	1	1
BC048546_j2	22.4258	12.8814	0	1	1
Klrb1a_j2	0	0.18766	1.79769e+308	0.0464083	0.246963
Clec7a_j2	0.0445083	0.136489	1.61664	0.157092	1
Klra2_j1	0.0819412	0.177839	1.11791	0.159338	0.493926
Gm5886_j1	0	0.0662795	1.79769e+308	0.150809	1
AK016696_j1	0.406192	0.433414	0	1	1
Lrp6_j2	0.429548	1.15707	0	1	1
Wbp11_j3	7.78725	9.92166	0	1	1
Arhgdib_j3	0	0.254265	1.79769e+308	0.0310188	0.189865
Rerg_j1	0.0269938	0.10077	1.90037	0.258829	1
Slc15a5_j5	0.0375683	0.152982	2.02578	0.146921	1
Slco1a4_j1	0.457755	0.578227	0.337061	0.396196	0.721006
Kcnj8	0.079389	0.444363	2.48473	0.001895	0.0239282

5730419I09Rik_j2	0.835242	2.50525	0	1	1
4933424B01Rik_j1	2.17167	2.29215	0	1	1
4933424B01Rik_j2	3.07146	3.26169	0	1	1
Ergic2	0.231014	0.651683	0	1	1
Ergic2_j2	1.41416	1.17729	0	1	1
Caprin2_j2	0	0.296611	0	1	1
Caprin2_j3	0.0822341	0.371289	0	1	1
Dennd5b_j4	1.56732	1.51909	0	1	1
Myadm	1.25185	1.99655	0	1	1
Myadm	2.035	2.86869	0	1	1
Prkcc_j2	0.100523	0 -1.79769e+308	0.012083		1
Cacng7_j1	0.259542	0.294323	0.181429	0.873812	0.959888
Cacng8_j2	0.279503	0.0146069	-4.25814	0.0678506	0.311782
Ndufa3_j1	103.644	88.2717	-0.231616	0.141519	0.468008
Prpf31	2.13829	2.38209	0	1	1
Rps9_j4	100.167	126.127	0.332477	0.0003813	0.0065214
Rps9_j5	2.48081	4.28233	0.787583	0.0254993	0.166562
Leng8_j1	9.21882	9.88144	0	1	1
Lilra5_j3	0.0775315	0.0191678	-2.0161	0.270568	1
Eps8l1_j1	0.405264	0.466408	0	1	1
Brsk1	31.4406	24.6746	0	1	1
Suv420h2_j1	0.0608338	0.0131624	-2.20845	0.377471	1
Suv420h2_j5	0.314714	0.0703971	-2.16045	0.0066072	0.0629524
Rpl28_j1	0.660494	0.499351	-0.403493	0.348772	0.686735
Isoc2a_j1	0.325054	0.130786	-1.31347	0.155063	0.488311
Isoc2a_j5	2.52856	2.07479	-0.285347	0.422652	0.738516
Isoc2a_j6	2.01991	1.16978	-0.788053	0.107828	0.408201
Zfp628_j2	0.342311	0.311428	0	1	1
Zfp628_j4	0.192581	0.0228093	0	1	1
Nat14	1.53624	1.33415	0	1	1
A430110N23Rik	0.421302	0.275476	-0.612927	0.0914752	0.371729
A430110N23Rik_j6	0.727619	0.42231	-0.784882	0.103355	0.398535
U2af2_j3	0.269671	0	0	1	1
U2af2_j7	2.55817	3.34084	0	1	1
Epn1_j9	0.992404	1.0055	0	1	1
Zfp444_j4	0.0972832	0 -1.79769e+308	0.0002591		1
Zfp667_j1	1.07296	0.726244	-0.563072	0.0495687	0.256988
Zfp667_j2	0.268201	0.192578	-0.477876	0.37973	0.711031
AK038886_j2	0.365117	0.61175	0.744583	0.0164304	0.122727
Zfp78	0.284206	0.412004	0.535721	0.145401	0.473254
Zfp78_j1	0.0819992	0.0220627	-1.894	0.138663	1
Zfp78_j3	0.483735	0.347714	-0.476314	0.406671	0.727764
Zfp28_j1	0.295039	0.20799	-0.50439	0.348493	0.686685
Zfp28_j7	0.168609	0.134801	-0.322852	0.457327	0.760373
Zfp28_j8	0.329574	0.23193	-0.50691	0.241073	0.588215
Gm16532	1.67194	0.840919	-0.991485	4.10E-05	0.0010071
Zfp418	0.624436	0.622068	0	1	1

Zfp606	1.32441	1.40265	0.0828003	0.643196	0.862237
Zfp110	2.01537	2.34752	0	1	1
Zfp128	1.65485	1.63484	-0.0175574	0.920949	0.975248
Rps5	10.6761	13.4184	0.329831	0.0139203	0.109022
Rps5_j1	7.05332	5.84825	-0.270296	0.337777	0.678324
Zfp324	0.580436	0.305153	0	1	1
Zfp446	0.648724	0.837899	0.369171	0.131526	0.451411
Zfp446_j1	0.611444	0.210883	-1.53578	0.0002113	0.0040183
Zfp446_j5	0.2931	0.0469667	-2.64168	0.0067835	0.064247
Trim28_j3	0.0860928	0.152384	0	1	1
Gm4879	14.4342	15.479	0.100822	0.402904	0.726049
Lig1_j1	0.539541	0.617677	0	1	1
Lig1	1.52177	1.13178	0	1	1
Kptn_j3	0.360825	0.366891	0	1	1
Meis3_j2	9.45456	10.2492	0.116427	0.352759	0.689566
Zc3h4_j1	1.1459	0.513742	0	1	1
Zc3h4_j8	0.779489	0.290924	0	1	1
Tmem160	5.23801	5.70193	0.122432	0.342498	0.682278
Tmem160_j1	7.49582	8.23452	0.135598	0.705939	0.892502
XLOC_029499	0.14409	0.0814001	-0.823867	0.123522	0.437613
Ap2s1	125.225	142.972	0.191208	0.0335318	0.200119
Slc1a5	3.94141	2.72446	0	1	1
Slc1a5_j1	5.38892	6.95755	0	1	1
Strn4	12.9085	14.4748	0	1	1
Prkd2	0.171427	0.0476313	-1.84762	0.0537554	0.270102
Dact3	9.67249	7.95837	-0.281415	0.0247358	0.163072
Gng8_j1	3.06072	2.47902	0	1	1
Gng8_j8	0.913441	0.810635	0	1	1
Ptgir	1.55346	1.16727	0	1	1
Pnmal1_j1	0.596089	0.372967	0	1	1
Psg16_j2	0.0806033	0 -1.79769e+308	0.0078223		1
Mill2_j1	0.545243	0.512474	0	1	1
Nova2	1.01729	0.996639	-0.0295853	0.918315	0.974532
Mypop	5.26858	4.80572	0	1	1
Sympk_j1	8.34078	5.12882	0	1	1
Dmwd_j1	7.55743	7.44327	0	1	1
Dmwd	7.57664	7.86789	0	1	1
Dmpk_j8	0.0332238	0.0534993	0	1	1
Dmpk_j9	0.502554	0.620995	0	1	1
Dmpk	0	0.0853194	0	1	1
Dmpk_j10	0.27765	0.341826	0	1	1
Six5	0.499431	0.707425	0.502291	0.13345	0.454533
Six5_j1	0.619721	0.53142	-0.221766	0.46973	0.76774
Snrpd2_j2	10.794	13.3056	0	1	1
Eml2_j1	2.72788	1.47692	-0.88519	0.0002511	0.0046392
Eml2_j7	0.0623312	0 -1.79769e+308	0.0388815		1
Eml2_j6	0.321274	0 -1.79769e+308	2.41E-05	0.0006457	

Gpr4	0.325945	0.488004	0.582265	0.11966	0.430544
Opa3	14.3178	14.2693	-0.00488992	0.957907	0.987996
Rtn2	32.4903	30.5677	0	1	1
Rtn2	25.3791	24.4165	0	1	1
Ercc1	5.70693	6.33104	0.149727	0.259029	0.607803
Ercc2	4.80684	5.18239	0.108528	0.405014	0.726949
Exoc3l2_j1	0.547801	0.441672	-0.310676	0.369546	0.702947
Exoc3l2_j4	0.195584	0.0121101	-4.01351	0.0627605	0.296706
Trappc6a_j1	8.02978	9.23531	0.2018	0.0902034	0.368765
Nkpd1_j1	0.392979	0.5457	0.473656	0.184384	0.524877
Nkpd1_j3	0.275773	9.48E-05	-11.5056	0.914604	0.973351
Vmn1r183	0.228274	0.450871	0.981948	0.0292264	0.182389
Zfp180	4.26357	4.41223	0	1	1
Zfp180_j2	8.15805	8.04201	0	1	1
Zfp235_j2	0.179189	0.288829	0	1	1
Kcnn4	4.36483	3.52777	0	1	1
Kcnn4	2.64335	2.50781	0	1	1
1500002O20Rik_j1	0.0546931	0 -1.79769e+308		0.0094529	1
1500002O20Rik_j4	0.0799662	0.264551	1.72608	0.0554806	0.275223
Plaur_j2	0.8389	1.00609	0.262188	0.473698	0.7701
Plaur_j4	0.280986	0.264732	-0.0859672	0.922097	0.975613
Irgq	17.3267	15.0077	0	1	1
Irgq_j1	1.33836	1.44374	0	1	1
Xrcc1_j1	0.384781	0.360946	-0.0922565	0.85219	0.953098
Ceacam10	2.94063	2.20592	-0.414746	0.0826654	0.350424
Gm9844	256.973	388.484	0.596237	8.41E-12	1.04E-09
Rps19_j1	0.717244	1.59403	0	1	1
Rps19_j4	2.75246	1.93929	0	1	1
Rps19_j3	0.149711	0.124874	0	1	1
Arhgef1_j1	0.312377	0.48922	0	1	1
Arhgef1_j4	0.38701	0.215002	0	1	1
Arhgef1_j5	0.96656	0.98274	0	1	1
Arhgef1_j9	2.0578	2.49367	0	1	1
Zfp574	0.266668	0.345224	0.37249	0.325093	0.668265
Zfp574	0.349303	0.367299	0.0724743	0.827799	0.944579
XLOC_029563	0.46474	0.706165	0.603581	0.0765577	0.334401
AK142847	35.2217	39.8167	0.176907	0.0799843	0.343791
Zfp526	1.44962	1.29463	0	1	1
Zfp526_j1	1.02901	1.1024	0	1	1
Cic	3.07931	2.67579	0	1	1
Cic_j2	0.0986983	0.087536	0	1	1
Cic_j4	0.0967988	0.179091	0	1	1
Tmem145	0.51803	1.12499	0	1	1
Tmem145_j2	1.83011	1.57845	0	1	1
Megf8	6.08819	3.99596	-0.607471	3.01E-08	1.89E-06
Megf8_j5	3.25799	2.79293	-0.222204	0.086345	0.359
Megf8_j9	29.7263	31.2462	0.0719429	0.43235	0.744232

Atp5sl	8.82914	8.93846	0.0177537	0.891464	0.965687
B3gnt8_j2	0.586755	0.269564	-1.12213	0.0432428	0.235975
B3gnt8_j1	0	0.142077	1.79769e+308	0.0170387	1
Exosc5	14.3415	13.4039	-0.0975366	0.458713	0.761199
B9d2	4.90852	5.46735	0.155553	0.331538	0.673024
Tgfb1	1.23132	1.75725	0.513116	0.0225296	0.15314
Tgfb1_j2	3.71175	7.4396	1.00313	2.44E-05	0.000649
BC024978_j1	1.26048	1.28021	0.0224039	0.876066	0.960645
Numb_l_j1	2.15036	1.68992	-0.347622	0.316167	0.659988
Blvrb	29.7988	34.0661	0.19308	0.084863	0.355571
Sertad3	0.759361	0.836614	0	1	1
Sertad1	6.82142	9.32093	0.450401	0.0019774	0.0247763
Prx	10.9046	12.2935	0	1	1
Akt2_j1	0.0778179	0	-1.79769e+308	0.0454578	1
Akt2_j8	0.117694	0.192616	0.710684	0.277502	0.62639
Ttc9b	4.3126	4.29433	0	1	1
C030039L03Rik_j1	0.295729	0.190843	-0.631892	0.15423	0.487254
Zfp60	0.274492	0.390812	0.509712	0.155463	0.488557
Gm10046_j2	0.858993	0.353585	0	1	1
Fbl_j2	0.0744065	0.0589243	0	1	1
Fbl_j5	0.476301	0.602327	0	1	1
Lrfn1_j1	7.38333	7.50954	0	1	1
Lrfn1_j3	1.92049	1.4872	0	1	1
Fbxo27_j2	0.0768766	0.0236597	-1.70011	0.269194	1
Fbxo27	0.15632	0.169523	0.116979	0.865322	0.957067
Fbxo27	0.321059	0.314524	-0.0296662	0.95253	0.986299
Fbxo17	0.260503	0.0147737	-4.14019	0.0539359	0.270674
Fbxo17_j4	0	0.229177	1.79769e+308	0.0488843	0.254686
Fbxo17_j7	0.457414	5.71E-05	-12.967	0.985379	0.995689
Sars2	3.31638	3.43215	0.0495041	0.714485	0.89656
Sirt2	5.70711	5.80735	0	1	1
Sirt2	43.8611	46.3301	0	1	1
Hnrnp_l_j3	11.5344	11.837	0	1	1
Hnrnp_l_j1	22.6647	23.0201	0	1	1
Hnrnp_l	9.65098	11.0486	0	1	1
Hnrnp_l_j5	8.46087	8.74168	0	1	1
Ech1_j2	0.278687	0	-1.79769e+308	0.036115	0.209831
Ech1_j3	0.251607	0.272326	0.114164	0.857946	0.954916
Lgals4_j1	1.72259	1.89406	0.136903	0.534429	0.805586
Lgals7_j1	0.134814	0.496905	1.882	0.0857394	0.357521
Lgals7	0.402761	0.488064	0.277146	0.628936	0.855714
Map4k1	0.369137	0.199568	-0.887275	0.0532193	0.268469
Yif1b	6.76408	5.38745	-0.328291	0.100978	0.393552
Yif1b_j2	22.1498	19.7893	-0.162572	0.222059	0.569289
Ppp1r14a	0.197232	0.241451	0.291836	0.595692	0.83892
Dpf1	0.165508	0.00717796	-4.52719	0.116747	0.424932
Dpf1_j4	0.0551047	0.0752687	0.449876	0.701097	1

Zfp84	2.26628	2.19388	-0.046843	0.733224	0.905831
Zfp30_j2	0.391071	0	-1.79769e+308	1.73E-05	0.0004919
Zfp30_j1	0	0.153753	1.79769e+308	0.0017684	1
Zfp790	1.9605	1.80402	0	1	1
Zfp420	0.516772	0.902234	0	1	1
Zfp420	1.13118	0.7074	0	1	1
AK155472	0.891489	0.658284	-0.437507	0.150853	0.481595
AK138949_j1	0.1275	0.178717	0.487175	0.620197	0.850928
Zfp568	0.256608	0.309376	0.269792	0.374378	0.707086
Zfp260	3.24414	3.09183	0	1	1
Zfp260_j2	7.248	7.10065	0	1	1
Zfp382_j2	0.787931	1.11221	0	1	1
Zfp382	2.36682	1.60073	0	1	1
Gm5113	1.35585	1.09775	0	1	1
Gm5113_j1	3.18406	2.54545	0	1	1
Cox7a1	1.88128	1.70049	-0.145758	0.541855	0.809832
Clip3_j2	101.222	91.8112	0	1	1
Alkbh6_j2	3.57134	3.86264	0.113121	0.741463	0.909295
Al428936_j6	0.229081	0.112405	-1.02715	0.20811	0.55225
Al428936_j5	0.337878	0.343594	0.0242025	0.963873	0.989793
Tyrobp	3.42523	7.19375	1.07054	9.14E-09	6.45E-07
Nfkbid	0.128609	0.0960696	-0.420844	0.538723	1
Hspb6	1.2744	1.06377	0	1	1
Tmem149_j2	1.45674	1.54418	0.084095	0.758594	0.917041
U2af1l4	14.8745	16.3132	0.133198	0.363446	0.697495
AK049951_j2	2.70989	3.02806	0.160155	0.306756	0.651982
AK133438_j5	0.216088	0.124216	0	1	1
XLOC_029648	0.190183	0.088515	-1.1034	0.212001	0.55686
Gm12784_j1	0.208247	0.0371061	-2.48857	0.190997	0.533209
XLOC_029650	0.195201	0	-1.79769e+308	0.0093338	0.0814662
Gm12781_j1	0.0382248	0.0493947	0	1	1
Pepd	13.7742	11.0674	0	1	1
Pepd_j1	5.42839	5.21458	0	1	1
Cebpa	1.84015	2.15706	0.229243	0.200874	0.544312
Ccdc123_j3	0.216148	0.242881	0.168229	0.779574	0.925607
Ccdc123	1.40434	1.61694	0.203376	0.360713	0.695583
Ccdc123_j4	0.720814	0.805799	0.160792	0.752504	0.914477
Ankrd27	11.2376	8.82417	-0.348801	0.0013053	0.0176932
Ankrd27_j2	1.44313	2.017	0.483014	0.0429758	0.234987
Tshz3_j4	0.983754	0.318486	0	1	1
1600014C10Rik	3.35527	2.92073	0	1	1
1600014C10Rik_j1	10.0501	7.52265	0	1	1
AK034698_j3	0.46781	0.681018	0.54177	0.0482672	0.252722
AK034698_j2	0.261069	0.178226	-0.550724	0.261561	0.610714
XLOC_029663	0.178467	0.112943	-0.660056	0.323586	0.66661
Zfp619	0.106659	0.0465647	-1.1957	0.390811	1
XLOC_029665	0.185924	0.100348	-0.889699	0.0172989	0.127335

Gm2058	8.43007	7.8222	-0.107969	0.371274	0.70418
Gm6851	30.2063	34.1718	0.177957	0.1842	0.524784
Vstm2b_j1	2.26564	1.07029	-1.08192	5.03E-05	0.001199
Vstm2b_j4	4.85319	1.4324	-1.76049	1.15E-07	6.05E-06
AK163099	0.165285	0.12501	-0.402913	0.69828	0.888784
AK011498	2.2882	2.16664	-0.0787508	0.62493	0.853601
AK011498_j1	0.511489	0.281994	-0.85904	0.0358473	0.208909
Zfp788_j1	0.113329	0.0234659	0	1	1
Zfp788	0.224999	0.308589	0	1	1
Zfp788_j7	1.95812	0.0369908	0	1	1
Zfp788_j9	1.81539	3.1161	0	1	1
EU599041	0.145543	0.0645132	-1.17378	0.232985	0.580189
Siglec5_j1	0.108877	0 -1.79769e+308		0.0298658	1
Lim2_j1	0.241595	0.27783	0.201612	0.77819	0.925097
Etfb	62.3428	58.7619	-0.0853422	0.387577	0.715306
Zfp658	0.357636	0.33261	-0.104658	0.780155	0.925824
Zfp719	0.626271	0.590822	-0.0840655	0.739755	0.90873
Zfp719_j2	1.72981	1.7578	0.0231625	0.898979	0.967647
Ctu1	1.40171	1.67704	0.258722	0.259545	0.60834
Klk8_j1	0.494958	0.336195	-0.558009	0.334347	0.675193
Klk5_j3	0.890688	0.29581	-1.59025	0.0119073	0.0976159
2410002F23Rik_j1	0.771052	0.526185	0	1	1
2410002F23Rik_j3	0.297808	0.727375	0	1	1
Syt3	6.67514	3.9161	0	1	1
Syt3_j2	3.58639	1.59918	0	1	1
Syt3_j5	1.24354	0	0	1	1
Lrrc4b_j1	4.40526	3.96213	-0.152951	0.332679	0.67386
Lrrc4b	1.42702	1.93073	0.436144	0.0432527	0.235994
Aspdh_j4	0.156727	0.140658	-0.156065	0.747585	0.912113
Josd2_j3	3.05121	2.37909	-0.358973	0.523947	0.799625
Josd2_j4	7.7214	8.32498	0.108584	0.503725	0.78721
AK017368	0.105825	0.0259057	-2.03034	0.270635	1
Napsa	0.181502	0.215835	0.249945	0.728053	0.903627
Napsa_j1	0.0649322	0.10945	0.753261	0.609068	1
XLOC_029699	0.118551	0.0809426	-0.550538	0.390731	1
Vrk3	11.3839	12.6836	0.155977	0.171998	0.509127
Nup62	0.990496	1.09191	0	1	1
Pnkp	1.62202	1.95965	0	1	1
Fuz_j1	0.529202	0.471119	0	1	1
Irf3_j1	4.44803	4.47765	0	1	1
Irf3_j4	0.736947	1.98404	0	1	1
Rras_j1	28.3534	37.5124	0.403847	0.0001253	0.0025888
Nosip	9.41719	9.67135	0	1	1
Pih1d1	11.9513	13.0078	0	1	1
Pih1d1_j2	3.36002	4.7755	0	1	1
Slc17a7	105.843	73.7772	-0.52068	1.63E-09	1.32E-07
Tead2	0.231159	0.0615787	-1.90838	0.0284802	0.17949

Tead2	0.0849188	0.131437	0.630217	0.364164	1
XLOC_029715	0.300757	0.0770846	-1.96408	0.303643	0.649263
Rpl14-ps1	124.856	142.637	0	1	1
Gys1	17.7921	17.9256	0	1	1
Tulp2_j1	0.191298	0.197464	0	1	1
Plekha4_j2	4.98668	4.52201	0	1	1
Hsd17b14_j1	0.143592	0 -1.79769e+308	0.0006852	0.0105426	
Hsd17b14_j7	0.428607	0.229973	-0.89819	0.301621	0.647961
Hsd17b14_j10	0.642436	0.33127	-0.955548	0.121612	0.434204
Bcat2	10.4895	12.6992	0	1	1
Rasip1_j6	0.300014	0.0419861	-2.83705	0.0455494	0.244268
Ntn5_j2	0.275368	0.312336	0.181737	0.74686	0.911804
Ntn5_j3	0.126764	0 -1.79769e+308	0.0193573		1
Car11_j4	5.67986	4.89372	0	1	1
Car11_j5	1.329	1.56237	0	1	1
Lmtk3_j6	0	0.12798	0	1	1
AK133391_j3	0.985879	1.08432	0.137307	0.611354	0.846879
Kdelr1	4.42984	4.53036	0	1	1
Tmem143	0.787223	1.6871	0	1	1
Ccdc114_j1	0.10003	0.108655	0.119314	0.878944	1
Ccdc114_j4	0.165329	0.168199	0.0248349	0.967677	0.990878
Nomo1	29.8661	28.7435	-0.0552742	0.533867	0.805306
Nomo1_j1	0.44218	0.29147	-0.601287	0.174697	0.512897
Kcnc1	1.62115	0.665682	0	1	1
Kcnc1	5.38077	3.40164	0	1	1
Gtf2h1	9.26933	9.43832	0.0260652	0.812045	0.938348
Ldha	35.2426	31.6836	0	1	1
Ldha_j2	1.32435	0.969339	0	1	1
Tmem86a	1.08053	0.980753	-0.139779	0.650701	0.865956
XLOC_029740	0.156933	0.109159	-0.523718	0.496797	0.783596
XLOC_029742	0.171029	0.201463	0.236276	0.513272	0.792548
XLOC_029742	0.141354	4.65E-06	-14.8922	0.988399	0.996486
Zdhhc13	12.4971	11.3216	-0.14252	0.232506	0.579559
Nav2_j2	0.433298	0.25111	-0.787038	0.0047744	0.0490203
Nav2_j10	0.588035	0.468481	-0.327911	0.273407	0.622536
Nav2_j14	1.08079	0.778064	-0.474127	0.0989182	0.389007
Nav2_j15	1.59594	2.36313	0.566292	0.004051	0.0433082
Htatip2	8.50457	9.99551	0	1	1
Htatip2	0.207627	0.286399	0	1	1
Htatip2	6.20718	5.58616	0	1	1
Htatip2	16.0183	17.4302	0	1	1
Prmt3	2.21524	2.30007	0.0542163	0.718024	0.898457
Prmt3_j2	1.93857	2.35741	0.282208	0.338672	0.678961
Nell1_j1	0.328735	0.147225	-1.1589	0.0378864	0.216078
Nell1	0.885227	0.778583	-0.185198	0.423579	0.739059
Ano5_j1	0.513482	0.284874	-0.84999	0.0018698	0.0236786
Slc17a6	23.8955	20.7634	0	1	1

Slc17a6_j3	5.28033	12.2421	0	1	1
Slc17a6_j4	27.3281	26.8853	0	1	1
Gas2	1.03354	1.20458	0.220939	0.257558	0.606306
Gm6181	18.641	19.0789	0.0335036	0.828528	0.944579
XLOC_029755	0.0983263	0.0455801	-1.10917	0.277572	1
Luzp2	4.36836	3.47711	0	1	1
Tubgcp5	6.98573	6.06121	-0.204805	0.0735739	0.326919
Cyfp1	6.39731	6.01325	-0.0893209	0.366054	0.700001
Herc2	1.672	1.46198	0	1	1
Herc2_j3	13.7289	12.672	0	1	1
Herc2_j4	14.0544	14.3791	0	1	1
Gabrb3	9.20778	6.80555	0	1	1
Gabrb3_j1	1.43243	4.70533	0	1	1
Atp10a	0.284556	0.303575	0.0933382	0.779443	0.925607
Ube3a_j5	0.299735	0 -1.79769e+308		1.64E-05	0.0004723
Ndn	107.572	113.66	0.079421	0.355549	0.691525
Otud7a_j2	1.86812	1.19787	-0.641118	0.0228556	0.154465
Otud7a_j1	6.98464	6.0655	-0.203559	0.136081	0.458967
XLOC_029771	0.591848	0.32614	-0.859735	0.168309	0.504956
XLOC_029771	0.305841	0.194693	-0.651577	0.176854	0.515889
Mtmr10	1.40461	1.68521	0	1	1
Mtmr10_j3	1.16567	1.65692	0	1	1
Mcee	3.65943	3.45639	-0.0823508	0.740433	0.909073
Apba2	8.16636	13.6273	0	1	1
Apba2_j2	10.4494	12.4312	0	1	1
Apba2_j10	0.0997937	0	0	1	1
Tarsl2	3.53045	3.16849	0	1	1
Tm2d3	19.187	19.012	-0.0132159	0.91852	0.974658
Pcsk6	0.294436	0.0916849	-1.6832	0.010448	0.0883127
Pcsk6_j1	0.136614	0 -1.79769e+308		4.89E-05	1
Pcsk6	0.326379	0.347132	0.0889345	0.807688	0.936668
Snrpa1	8.34704	9.20127	0.140568	0.345595	0.684965
H47	16.5649	16.268	-0.0260961	0.823838	0.943114
Chsy1	1.90726	1.3281	0	1	1
Lins	1.35913	1.71717	0	1	1
Lins2_j2	0.697767	0.585989	0	1	1
Adamts17_j2	0.384232	0.32626	-0.235958	0.669265	0.874813
Adamts17	0.352182	0.372125	0.0794649	0.734065	0.90626
Lysmd4_j1	3.1672	4.26286	0.428611	0.0038376	0.0416583
Lysmd4_j2	3.00316	3.2019	0.0924467	0.720866	0.900117
Ttc23	0.137526	0.0308119	0	1	1
Igf1r	1.99748	1.77106	-0.173564	0.174231	0.512193
Fam169b_j2	0.262124	0.0361443	-2.85841	0.0159841	0.120329
BC070425_j1	0.231139	0.128206	-0.8503	0.242682	0.590089
BC070425_j8	0.052926	0 -1.79769e+308		0.0547633	1
Rgma	0.977577	0.799964	0	1	1
Rgma	2.06544	2.02251	0	1	1

Fam174b	5.76674	5.93594	0.0417193	0.743316	0.910262
Akap13_j1	0.663014	0.637079	-0.0575666	0.754558	0.915367
Klhl25	2.54518	1.83401	0	1	1
Klhl25_j2	0.110481	0	0	1	1
Agbl1_j1	0.364338	0.212918	-0.774982	0.105021	0.402326
Gm9885	1.23252	1.1349	0	1	1
Mrps11	4.69124	4.2892	-0.129259	0.487348	0.778291
Aen	3.37285	4.2291	0	1	1
Aen	1.60866	2.59298	0	1	1
Aen	5.95808	6.18982	0	1	1
Abhd2	21.7003	18.9985	0	1	1
Abhd2_j1	0.108685	0.0499169	0	1	1
Zfp710	0.189674	0.138836	-0.45014	0.552716	0.816696
Zfp710	0.344639	0.239679	-0.523978	0.378162	0.709762
XLOC_029814	0.151044	0.10417	-0.536034	0.417991	0.734998
Sema4b	4.22775	3.2417	-0.383142	0.016973	0.1256
Ttll13_j4	0.0967884	0.0225269	0	1	1
Ngrn	5.15093	4.90748	0	1	1
Ngrn	11.227	12.1111	0	1	1
Vps33b	4.25418	3.6587	-0.217548	0.161768	0.496761
Vps33b_j2	0.783873	0.9924	0.340302	0.53357	0.805214
Gm17257	28.9054	28.5497	-0.0178631	0.896777	0.967071
Zscan2_j2	0.268382	0.208795	0	1	1
Zscan2_j1	0.477892	0.422121	0	1	1
Zscan2_j3	0.267677	0.561248	0	1	1
Zfp592	4.1913	2.2237	0	1	1
Pde8a	2.84225	3.1662	0.155722	0.290755	0.638092
AK013794_j3	0.186122	0.180044	-0.0479044	0.96068	0.988891
AK013794_j2	0.366044	0.140288	-1.38363	0.180287	0.519928
AK013794_j6	0.409355	0.283471	-0.530147	0.621145	0.85151
AK013794_j7	0.0521734	0.0624741	0.259942	0.919969	1
Whamm_j1	1.43309	0.875916	-0.710261	0.0160608	0.120701
Whamm	1.17193	1.15055	-0.0265633	0.891632	0.965687
Fam103a1_j1	0.458695	0.348638	-0.395806	0.485029	0.776871
Tm6sf1	2.78062	2.10963	0	1	1
Sh3gl3	1.37364	1.46646	0.0943387	0.745183	0.91124
Sh3gl3_j2	0.294428	0.056842	-2.37289	0.0727453	0.324527
Eftud1	0.627365	1.15012	0	1	1
Mex3b	2.15832	2.292	0.0866956	0.634696	0.858242
Tmc3_j2	0.0818215	0.0793539	0	1	1
Stard5	1.3253	1.35754	0.0346735	0.851943	0.952976
Mesdc2_j2	1.92479	2.88294	0	1	1
Mesdc2_j1	3.75133	4.39559	0	1	1
Mesdc2_j3	5.42398	5.73114	0	1	1
AK199694	2.82357	1.84226	0	1	1
Nox4	0.169977	0.00826635	-4.36195	0.0486737	0.254145
Nox4	0.142603	0.189076	0.406962	0.469486	0.767555

Nox4_j2	0.114261	0.250072	1.13002	0.0614348	0.292778
Ctsc	4.56462	6.13058	0.425529	0.0027194	0.0319231
Ctsc_j2	1.20747	1.46189	0.275844	0.422964	0.738638
Rab38	0.613108	0.541734	-0.178558	0.547591	0.813768
Fzd4	1.39761	1.27419	-0.133377	0.386548	0.714571
Me3	0.536928	0.202306	-1.40819	0.0043551	0.0457866
XLOC_029853	0.163619	0.0911132	-0.844611	0.3945	0.719811
Sytl2	23.7945	23.0601	0	1	1
Ccdc89	0.271666	0.261791	-0.0534183	0.887023	0.964106
BC051589	3.52074	2.71531	0	1	1
Dlg2_j3	3.70454	3.69649	0	1	1
Ccdc90b	3.22664	3.32251	0.0422391	0.759249	0.917118
Rab30	3.63604	3.21329	-0.178317	0.106943	0.406334
Rab30_j1	0.186664	0.216597	0.21457	0.557428	0.819674
Rab30_j2	0.602136	0.163826	-1.87793	1.50E-07	7.67E-06
Prcp	2.15997	1.95755	0	1	1
Prcp_j2	5.77084	5.98303	0	1	1
Fam181b	8.29841	8.10485	-0.0340488	0.793479	0.931169
XLOC_029867	0.147692	0.17963	0.282441	0.591148	0.836876
Odz4_j6	0.480916	0.173625	-1.46981	1.10E-06	4.45E-05
Nars2_j1	2.41067	2.3343	-0.0464458	0.815642	0.940008
Nars2	1.45067	1.14073	-0.346764	0.110819	0.414341
Gab2	3.02205	2.67024	0	1	1
Gab2	0.943456	0.991161	0	1	1
Kctd21	0.124328	0.335374	0	1	1
Kctd21_j2	0.356737	0.517254	0	1	1
Alg8	1.64519	1.35436	-0.280646	0.281979	0.630502
Ndufc2	96.7782	82.2815	-0.234114	0.0156386	0.118265
Ints4_j5	1.61424	2.41667	0.582165	0.0072387	0.0675736
Rsf1	0.420601	0.383213	-0.134305	0.570831	0.826488
Clns1a	21.3522	21.8876	0.0357247	0.734969	0.906576
Pak1	15.6925	13.9965	-0.165003	0.182865	0.523288
Pak1_j3	18.9492	17.8402	-0.0870056	0.444361	0.752081
Prkrir	3.73214	2.97675	0	1	1
Prkrir_j1	0.239319	0.0811587	0	1	1
XLOC_029881	0.183444	0.063386	-1.5331	0.220279	0.567083
Wnt11_j2	0.00242335	0.047059	4.2794	0.363959	1
Wnt11_j1	0.303185	0.232972	-0.380041	0.38794	0.715462
Mtap6	30.0962	36.555	0	1	1
Mtap6	23.822	26.8325	0	1	1
Mtap6_j1	33.2806	49.5754	0	1	1
Gdpd5	5.88956	6.4592	0.133197	0.300671	0.647263
Gdpd5_j4	0.305275	0.326178	0.09555	0.898023	0.967557
Gdpd5_j5	3.25324	2.50541	-0.376826	0.306843	0.652022
Klhl35_j1	0.102111	0.120799	0.242466	0.794741	1
Arrb1_j1	13.1899	15.5346	0	1	1
Lipt2	2.02448	2.08567	0.0429602	0.832605	0.945929

Kcne3	0.37441	0.180924	-1.04924	0.153669	0.486379
Pgm2l1	0.0590479	0.15281	0	1	1
P4ha3	5.98328	6.08877	0.0252139	0.849465	0.952228
C2cd3	1.24631	0.691037	0	1	1
C2cd3_j3	0.233141	0.107596	0	1	1
Ucp2_j2	0.116493	0.0349283	-1.73777	0.360912	1
Chchd8	3.77515	4.83963	0.358365	0.0939355	0.377641
Fam168a	0.588535	0.484518	-0.280578	0.286809	0.635459
Fam168a	3.1497	2.15873	-0.545031	0.0001197	0.0024982
Fchsd2	5.48174	4.60338	0	1	1
Fchsd2	3.37634	2.64826	0	1	1
Stard10	61.6653	66.5151	0.109221	0.22763	0.574755
Arap1	12.0535	15.4849	0.361414	0.0005561	0.0089141
Pde2a_j1	9.17476	9.72695	0.0843169	0.464376	0.764686
Clpb	4.44936	4.26624	0	1	1
Clpb	3.04092	2.67017	0	1	1
2400001E08Rik	0.469199	0.436212	-0.10517	0.683073	0.881314
2400001E08Rik_j3	0.207279	0.0846391	-1.29218	0.355796	0.691678
Numa1_j3	3.09946	3.1181	0	1	1
Numa1_j5	4.02646	3.56173	0	1	1
Pgap2_j2	0.935527	0.671464	0	1	1
Pgap2_j4	2.35513	2.51765	0	1	1
Pgap2_j5	1.41384	0.912238	0	1	1
Stim1	6.70006	5.65677	0	1	1
Stim1_j3	2.14239	2.72971	0	1	1
Rrm1	0.720474	0.696454	-0.0489182	0.843367	0.950448
Rrm1_j1	2.11097	2.20477	0.062718	0.696303	0.888054
Trim6	0.244608	0.14192	-0.785393	0.183406	0.524055
Trim34a_j3	0.244758	0.235096	-0.0581104	0.949605	0.985371
Trim34	0.371008	0.323245	-0.198823	0.64753	0.864172
Gm4887	5.09843	5.15406	0.0156566	0.925535	0.976854
Cckbr	3.6643	14.7828	2.01231	0	0
Smpd1	15.3116	16.967	0	1	1
Fxc1_j3	6.87101	7.39202	0	1	1
Dnhd1_j1	0.0728902	0.0902988	0.308982	0.747343	1
Dnhd1_j1	0.157555	0.0464582	-1.76185	0.0108617	0.0909102
Ilk	19.3123	20.5977	0	1	1
Syt9	13.4028	12.4652	0	1	1
Syt9_j2	16.0321	14.5656	0	1	1
Syt9_j4	12.8401	13.7511	0	1	1
Olfml1_j1	0.164133	0.395845	1.27007	0.013304	0.105757
Olfml1	1.99116	1.73077	-0.202191	0.267713	0.616423
Ppfibp2_j2	0.685645	0.810324	0.241037	0.38097	0.711636
Ppfibp2_j5	0.113472	0 -1.79769e+308		0.0014104	1
Ppfibp2_j6	0.16724	0 -1.79769e+308		0.0001068	0.0022786
Gm10156	24.8454	24.419	-0.0249744	0.8254	0.943703
Eif3f	97.9095	96.4378	-0.0218503	0.805209	0.935575

AK007082_j1	0.0399724	0.0633106	0	1	1
D930014E17Rik	4.84938	6.20224	0.354987	0.0421583	0.232049
Ipo7_j1	2.02237	1.85504	0	1	1
Ipo7	14.4911	14.0124	0	1	1
Zfp143	1.60046	1.24921	0	1	1
Zfp143	0.672619	1.03006	0	1	1
Zfp143_j1	0.175023	3.62E-05	0	1	1
Wee1	2.05721	1.24931	-0.719562	0.000854	0.0125993
Swap70	1.38408	1.41177	0.028579	0.886559	0.964031
Swap70_j2	1.1206	1.38192	0.302407	0.229821	0.576909
Adm_j1	0.329032	0.289002	-0.187151	0.770373	0.921825
Adm	0.317981	0.408484	0.361339	0.484885	0.776776
Ampd3_j4	0.197629	0	0	1	1
Ctr9	10.8434	10.0502	-0.109595	0.278791	0.627636
Usp47_j1	2.44675	2.37058	-0.0456239	0.761613	0.917949
Usp47	8.88294	9.51364	0.0989592	0.354888	0.690914
Mical2_j4	3.16062	3.08944	-0.0328643	0.844643	0.950852
Mical2_j3	2.17723	2.37819	0.127367	0.489324	0.779561
Mical2_j1	0.306188	0 -1.79769e+308		7.05E-09	5.07E-07
Mical2_j2	0.424995	0.800369	0.913221	0.0050427	0.0510331
Parva	17.1191	15.3699	0	1	1
Tead1	0.327805	0.198412	-0.724335	0.0398813	0.223402
Tead1	0.514061	0.51798	0.0109568	0.964623	0.989999
Rassf10	1.11655	1.16183	0.0573494	0.759152	0.917068
Arntl_j2	0.345858	0 -1.79769e+308		2.02E-08	1.33E-06
Arntl	0.740751	1.1196	0.59592	0.0245622	0.162357
Far1	11.1701	10.8265	0	1	1
Far1_j2	12.8475	12.7313	0	1	1
Spon1	3.96106	3.53247	-0.165206	0.182457	0.522899
Pde3b	3.37613	3.44182	0.0278044	0.842461	0.95025
Pde3b_j2	1.58409	1.69368	0.0965081	0.649773	0.865482
1110004F10Rik_j1	25.9171	32.3257	0.318776	0.0683115	0.312941
1110004F10Rik_j2	4.17561	0.513692	-3.02301	0.0003803	0.006507
1110004F10Rik	9.94138	11.8457	0.25285	0.0972638	0.385499
Nucb2	3.78245	3.88541	0.038746	0.824457	0.943295
Nucb2_j1	0.640674	0.585302	-0.130411	0.777155	0.924662
AK045786_j3	1.20442	0.650022	-0.889778	0.102424	0.396457
AK045786_j4	0.479172	0.543521	0.181792	0.809187	0.937411
Tmc5	0.346893	0.536422	0.628877	0.0492333	0.255794
6330503K22Rik_j1	0.132801	0 -1.79769e+308		0.0002822	1
6330503K22Rik_j2	3.94109	4.91698	0.319179	0.0358929	0.20902
9030624J02Rik	3.34029	3.02221	0	1	1
9030624J02Rik_j2	0.12798	0	0	1	1
Gm5601	19.7329	18.9333	-0.0596731	0.625872	0.854009
Acsm3_j1	0	0.615893 1.79769e+308		0.0007515	0.0113916
Tmem159	8.69072	18.9225	1.12255	0	0
Uqcrc2	16.6424	14.998	-0.1501	0.212752	0.557725

Uqcr2_j1	76.5126	70.953	-0.108833	0.232465	0.579515
BC030336	10.7966	8.85977	-0.285233	0.0061235	0.0595351
Vwa3a_j1	0.0749696	0.0404452	-0.890338	0.634597	1
Vwa3a_j4	0.0755853	0 -1.79769e+308		0.121262	1
Eef2k	2.84542	4.0476	0	1	1
Eef2k_j3	2.22749	1.49123	0	1	1
Polr3e_j1	4.2982	4.55773	0	1	1
Polr3e_j4	0.530039	0.588029	0	1	1
Mettl9_j1	1.76862	2.34072	0.404325	0.054921	0.273309
Mettl9	2.37588	2.13116	-0.156824	0.452586	0.757663
Otoa_j1	0.508647	0.376605	-0.433612	0.314954	0.659055
Hs3st2	8.32645	4.10098	0	1	1
Ubfd1	8.47972	6.98951	0	1	1
XLOC_029981	0.22298	0.162768	0	1	1
Dctn5	61.3371	61.3137	-0.000551533	0.99547	0.998731
Plk1_j6	0.0515289	0.035776	-0.526391	0.693276	1
2010110P09Rik	10.7622	9.35256	0	1	1
2010110P09Rik_j4	3.10686	2.29157	0	1	1
Prkcb_j1	0.177471	0 -1.79769e+308		0.0019658	0.0246565
Prkcb	23.8271	19.661	-0.277269	0.0046162	0.0478097
Cacng3	0.615378	0.544173	-0.177406	0.528171	0.801996
Rbbp6	8.56156	7.97478	0	1	1
Rbbp6	1.2863	1.1813	0	1	1
Rbbp6_j2	0.554384	0	0	1	1
Rbbp6_j4	0.671803	0.330902	0	1	1
Tnrc6a	1.54636	1.01212	0	1	1
Tnrc6a_j1	3.07786	3.18698	0	1	1
Tnrc6a_j6	0.0856465	0.0894814	0	1	1
Slc5a11_j2	0.0737755	0.0929963	0	1	1
Slc5a11_j8	0.0859666	0	0	1	1
Slc5a11_j12	0.128428	0.0510907	0	1	1
Lcmt1	28.997	28.6403	-0.0178576	0.863339	0.956634
XLOC_029992	0.257121	0.0552967	-2.21718	0.212374	0.557374
Jmjd5_j3	1.14702	0.55962	0	1	1
Il4ra	4.85062	7.49807	0	1	1
Sbk1_j1	5.66864	4.07204	0	1	1
Sbk1	5.03496	5.47042	0	1	1
Sbk1_j2	8.8028	10.0449	0	1	1
Tufm_j1	0.115541	0.0718408	-0.685529	0.426131	1
Apob48r_j3	0.0536649	0.126201	1.23368	0.203281	1
Gdpd3_j3	3.50032	1.41124	-1.31052	1.71E-08	1.14E-06
Gdpd3_j4	1.56831	2.00566	0.354869	0.108863	0.410491
Ypel3	58.9536	53.3202	-0.144896	0.165823	0.502443
Fam57b	17.7842	13.0413	-0.447508	3.00E-06	0.0001089
Fam57b	102.664	81.6903	-0.329697	0.0001992	0.0038249
Sez6l2_j1	0.997991	1.87905	0	1	1
Sez6l2_j5	2.94698	4.69895	0	1	1

Cdipt	27.1276	28.4258	0.0674387	0.462903	0.763401
Cdipt_j1	43.3351	43.9142	0.0191485	0.870297	0.958714
Al467606	0.310975	0.445775	0.519517	0.209754	0.55417
Mylpf_j2	0.0955238	0.221051	1.21045	0.338141	0.67858
Zfp553	0.605109	0.629054	0.0559885	0.836143	0.94739
Zfp771	1.85398	1.3405	-0.467851	0.144469	0.471711
Zfp771	7.14198	7.883	0.142421	0.330582	0.672467
ltgal_j1	0.0726194	0.0776169	0.0960152	0.937866	1
ltgal_j2	0.130644	0.0260549	-2.32602	0.276168	1
AK045290	0.737963	0.673997	-0.130806	0.532635	0.8044
Prr14_j1	0.0632013	0.0942791	0.576983	0.481545	1
Prr14_j2	0.343627	0.343191	-0.0018315	0.995699	0.998772
Prr14_j6	1.14877	0.979085	-0.230584	0.518219	0.796351
Fbrs_j1	2.89026	2.92219	0.0158522	0.907407	0.970721
Fbrs_j5	7.92706	9.19518	0.214093	0.107871	0.408298
Srcap_j7	2.78687	2.70416	-0.0434645	0.715541	0.897239
Phkg2_j1	3.52482	3.89822	0.145268	0.280157	0.628999
Rnf40_j5	0.0837893	0.0643215	-0.381465	0.708677	1
Rnf40_j6	0.120077	0.102743	-0.224921	0.743726	1
Ctf1	0.514093	0.247391	0	1	1
Ctf1_j1	0.0821237	0.0713673	0	1	1
Ctf1_j3	0.120949	0.030993	0	1	1
Fbxl19_j3	0	0.137276	0	1	1
Fbxl19	0.681492	0.570214	0	1	1
XLOC_030025	0.0857924	0 -1.79769e+308		0.037243	1
Stx4a	8.4	8.87764	0.0797862	0.437284	0.747555
Zfp646_j4	1.00204	0.965855	-0.0530613	0.783921	0.927222
Zfp646_j2	0.129598	0.11076	-0.2266	0.640231	1
Bckdk	5.20097	5.50142	0.0810229	0.562353	0.822121
Bckdk_j1	6.07039	4.5037	-0.430677	0.0050303	0.0509717
Fus_j1	19.67	20.2707	0	1	1
Fus_j2	9.83022	10.3416	0	1	1
Trim72	0.0710102	0 -1.79769e+308		0.0121221	1
ltgax_j3	0.129641	0 -1.79769e+308		0.0023588	1
Armc5	4.89057	4.87993	-0.00314348	0.976981	0.993297
Tgfb1i1	30.4297	34.0358	0.161573	0.110863	0.414403
Bag3	122.929	131.615	0.0985042	0.25126	0.599096
Inpp5f	3.20289	3.1736	-0.0132536	0.909349	0.971299
Inpp5f	0.497714	0.513738	0.0457147	0.858254	0.954952
Sec23ip	5.68245	5.96985	0.0711831	0.539813	0.808599
Ppapdc1a	0.721188	0.732796	0.0230361	0.95804	0.987996
Ppapdc1a	2.83851	2.1076	-0.429532	0.111736	0.416076
Wdr11	6.85342	6.36387	-0.10692	0.346569	0.685483
Wdr11_j1	0.18269	0.207558	0.184117	0.753162	0.914687
Tacc2_j1	0.898485	0.756308	0	1	1
Tacc2_j4	0.121394	0.197525	0	1	1
Plekha1_j1	0	0.0505983 1.79769e+308		0.148559	1

Htra1_j1	0.10505	0.0743122	-0.499406	0.765708	1
Htra1	3.86583	3.0842	-0.325881	0.0106999	0.0899732
Acadsb	1.15554	1.04816	0	1	1
Bub3	31.0248	31.6152	0.0271976	0.77586	0.924081
Gpr26	0.489635	0.482003	-0.0226653	0.916107	0.973886
XLOC_030053	0.0806177	0.0756485	-0.091785	0.900021	1
XLOC_030053	0.0664048	0.0192481	-1.78657	0.249446	1
XLOC_030053	0.0608336	0 -1.79769e+308		0.0425124	1
XLOC_030053	0.170332	0.130344	-0.386021	0.647035	0.863936
Lhpp	1.8453	1.97299	0.0965284	0.692229	0.886088
Fam175b	11.9992	10.7092	-0.164098	0.143214	0.470211
Zranb1_j1	0.64015	0.0399057	0	1	1
2700050L05Rik	0.0706752	5.23E-05	0	1	1
2700050L05Rik_j1	1.28099	1.12345	0	1	1
Bccip	3.15695	3.09798	0	1	1
XLOC_030060	0.112061	0.0508821	-1.13906	0.331937	1
Dock1	0.892119	0.688563	0	1	1
XLOC_030062	0.382247	0.280966	-0.444108	0.633771	0.857933
Ptpre	1.256	0.68728	0	1	1
Ptpre_j4	0.465956	0.195575	0	1	1
Mgmt_j1	0.0698828	0.0579607	-0.269862	0.781008	1
Mgmt	0.332262	0.349808	0.0742428	0.849749	0.952228
Glrx3_j1	0.469662	0.372069	-0.336054	0.553655	0.817251
Glrx3_j3	0	0.102026 1.79769e+308		0.0003384	1
Glrx3_j5	0.235245	0.10178	-1.20871	0.265065	0.613897
Glrx3_j7	0.855686	0.877987	0.0371182	0.86064	0.955865
XLOC_030066	5.87803	6.10752	0	1	1
XLOC_030067	0.158021	0.0345692	-2.19256	0.243812	0.591082
Ppp2r2d_j4	0.156307	0.129762	0	1	1
Jakmip3_j4	0.0466083	0 -1.79769e+308		0.0649261	1
Jakmip3_j3	0.500001	1.58E-05	-14.9543	0.981908	0.99448
Jakmip3_j12	0.161824	0 -1.79769e+308		0.0006638	0.0102982
Jakmip3_j15	0.842706	0.480236	-0.811284	0.0542511	0.271585
Dpysl4	6.11263	6.39667	0.0655263	0.632623	0.857248
Dpysl4_j1	0.183549	0.082299	-1.15722	0.313239	0.657552
Pwwp2b	3.51518	3.82294	0.121083	0.461748	0.762976
Pwwp2b	1.45321	1.54463	0.0880213	0.744544	0.910838
Inpp5a	6.9305	7.81436	0.173167	0.160069	0.49462
Gpr123_j2	0.145877	0 -1.79769e+308		3.61E-05	0.000904
Gpr123	0.768746	0.490724	-0.647593	0.0148128	0.113851
Gpr123_j1	0.26028	0.0226004	-3.52564	0.0036553	0.0402895
Kndc1_j1	0.177248	4.08E-05	0	1	1
Kndc1	2.18162	1.39501	0	1	1
Zfp511	4.35687	4.82848	0.14828	0.378083	0.709693
Paox_j2	0.211067	0.0179617	-3.55471	0.18621	0.526701
Paox_j3	0.110367	0.0284474	-1.95594	0.465921	1
Mtg1_j1	6.33525	5.99339	-0.0800289	0.699776	0.889447

Mtg1	0.272937	0.0523032	-2.3836	0.0026188	0.0309461
Mtg1_j4	0.586735	0	-1.79769e+308	0.0002506	0.0046309
Cyp2e1	0.360358	0.17203	-1.06677	0.0785352	0.339822
Ric8	1.96441	2.25544	0	1	1
Psm13	43.0179	44.565	0	1	1
Ath1	1.08778	1.37664	0.339762	0.133705	0.455139
Ifitm1	1.73401	1.70211	-0.0267819	0.93329	0.979713
B4galnt4_j3	0.160102	0.0569563	-1.49107	0.0827293	0.35061
B4galnt4_j4	0.307462	0.355586	0.209792	0.636149	0.858939
Pkp3	1.60321	1.83923	0.198142	0.421105	0.737255
Ptdss2	15.6608	15.5182	-0.0131945	0.90296	0.969047
Lrrc56_j6	0.0462523	0.0577879	0.32124	0.790871	1
Lrrc56_j5	0.522086	0.32358	-0.690166	0.146384	0.474685
Lrrc56	0.500087	0.610571	0.287981	0.439794	0.749306
Rassf7	0.915839	0.94737	0.0488341	0.878972	0.961379
Rassf7_j4	0.316174	0.139768	-1.17769	0.160309	0.49487
Phrf1	0.81179	1.48162	0	1	1
Eps8l2_j5	0.0217035	0.200934	3.21072	0.0040679	0.0434422
Taldo1	37.144	45.3816	0	1	1
Gm4535	2.84203	3.27421	0.204224	0.36722	0.70072
Rplp2_j1	0.239988	0.118016	-1.02398	0.133206	0.454201
Rplp2_j6	2.32182	2.14021	-0.117504	0.773559	0.923145
Pnpla2_j1	0.456079	1.46796	1.68646	1.58E-05	0.0004574
Pnpla2_j2	0.989979	1.66778	0.752463	0.0203709	0.142705
Efcab4a_j2	7.23172	7.01088	0	1	1
Ap2a2_j4	23.4976	30.0533	0	1	1
Ap2a2	48.2655	46.866	0	1	1
Muc2_j1	0.0471482	0	-1.79769e+308	0.0253966	1
Brsk2_j2	4.44069	3.74959	0	1	1
Brsk2_j5	12.1192	10.518	0	1	1
Lsp1	1.07295	1.08686	0.0185827	0.952659	0.986298
Lsp1	0.498986	0.846159	0.761931	0.0791832	0.341583
Cd81_j2	0.738073	0.621216	0	1	1
Cd81_j4	0.160237	0.148297	0	1	1
Slc22a18	11.0056	8.88343	-0.309045	0.0243618	0.161426
Dhcr7_j4	0.205829	0	-1.79769e+308	0.0077392	0.0709541
Dhcr7_j6	1.643	0.532184	-1.62634	0.0044697	0.0466987
Shank2_j2	0.249674	0.195197	-0.355115	0.274326	0.62342
Shank2_j1	0.0698852	0	-1.79769e+308	7.77E-06	1
Shank2_j5	0.0835127	0	-1.79769e+308	4.78E-06	1
Fgf3	0.697018	2.02598	0	1	1
Oraov1	15.6879	18.4418	0.233329	0.0262499	0.170097
Oraov1_j1	3.12644	2.70303	-0.209947	0.197798	0.540728
Mrgprf	0.628547	1.25795	1.00099	0.0002049	0.0039161
Mrgprd	33.2399	23.2113	0	1	1
Tfpt_j1	1.95357	2.35795	0.27142	0.404012	0.726569
Tfpt_j2	1.40218	1.64485	0.230283	0.20748	0.55198

Mboat7_j2	6.40012	6.48774	0	1	1
Mboat7_j6	2.78306	2.70335	0	1	1
Lilrb3_j6	0.157805	0.456504	1.53248	0.0748967	0.330165
Lilrb3_j5	0.221461	0.227681	0.0399644	0.968469	0.991077
Lilrb3_j9	0.185313	0.213019	0.20102	0.914064	0.973052
9430041J12Rik_j3	0.301207	0.246913	-0.286754	0.399101	0.722725
9430041J12Rik_j2	0.176201	0.190916	0.115718	0.779141	0.925601
Rdh13_j5	0.621645	0.748763	0	1	1
Rdh13_j3	0.105661	0.131106	0	1	1
Ppp1r12c	23.7452	26.4611	0	1	1
Ppp1r12c_j1	5.46709	6.08359	0	1	1
Tnnt1_j1	0.0831741	0 -1.79769e+308	0.0709361		1
6030429G01Rik_j1	0.0857064	0.10982	0.357662	0.607292	1
6030429G01Rik_j8	0.126568	0 -1.79769e+308	0.0002803		1
Syt5_j1	25.4585	25.1747	0	1	1
Syt5_j2	6.7749	7.18073	0	1	1
Ppp6r1	24.3322	26.1136	0	1	1
Ppp6r1_j7	9.21368	5.74498	0	1	1
Hspbp1_j1	6.75472	8.66184	0	1	1
Hspbp1	21.0684	20.5696	0	1	1
Cox6b2_j4	0.212843	0.416868	0.9698	0.393039	0.719015
Cox6b2	0.875511	0.879021	0.00577163	0.990556	0.997044
2210411K11Rik_j1	0.3052	0.303611	-0.00753362	0.988622	0.996598
Shisa7_j2	0.444859	0.250575	-0.828107	0.013989	0.109453
Shisa7_j1	1.24346	1.41222	0.183604	0.260389	0.609134
Zfp579_j1	1.09136	1.03314	-0.0790923	0.773589	0.923157
Zfp579	0.666371	0.428765	-0.636139	0.362297	0.696645
Zfp579	1.3828	1.58261	0.194714	0.474058	0.7705
Fiz1	4.74381	3.67928	0	1	1
Zfp784	0.375016	0.339927	0	1	1
AK080857_j3	0.482745	0.704504	0	1	1
Rasl2-9-ps	0.185735	0.123916	-0.58389	0.381914	0.712127
Zfp787_j1	0.916903	1.01565	0.147556	0.650495	0.865852
Zfp787_j4	0.0674487	0 -1.79769e+308	0.0400027		1
Zfp583_j1	0.513981	0.660326	0.361465	0.384487	0.713264
Zfp583_j2	0.154294	0.108293	-0.510746	0.54586	0.812711
Zfp583	1.12686	1.33306	0.24243	0.319316	0.662717
Zim1_j2	0.42263	0.249187	-0.762166	0.0046269	0.0478493
Peg3	8.48574	7.34973	0	1	1
Zfp954	3.87939	3.45771	0	1	1
Clcn4-2_j6	17.9207	16.3265	0	1	1
Clcn4-2	0.591791	0.613086	0	1	1
Clcn4-2_j3	0.176083	0	0	1	1
Zik1	1.39649	1.65836	0.247951	0.141398	0.467741
Znf551	0.17153	0.0669568	-1.35716	0.0577514	0.281811
Zfp551	0.430541	0.424761	-0.0195007	0.947337	0.984552
Zscan18	1.51353	0.764755	-0.984847	0.0080778	0.0731099

Zscan18_j5	0.311527	0.91865	1.56016	0.0006189	0.0097383
Zscan18_j3	1.55147	1.71784	0.146963	0.453302	0.758028
Zfp329	0.636018	0.711198	0.161183	0.387223	0.715059
XLOC_030169	0.117494	0.0241922	-2.27997	0.272982	1
Zbtb45_j1	4.49617	4.59748	0	1	1
Zbtb45	1.45584	1.56924	0	1	1
Zbtb45_j2	0.751785	0.503609	0	1	1
Ube2m_j4	0.445157	0.487012	0	1	1
Ube2m	1.93602	1.71024	0	1	1
Mzf1_j1	0.308396	0.28156	0	1	1
Mzf1	0.0868505	0.0570269	0	1	1
Mzf1	0.304083	0.151542	0	1	1
Vmn1r85	0.178564	0.11584	-0.624307	0.436171	0.746874
6330408A02Rik_j2	1.15524	0.76451	0	1	1
Sepw1	162.124	204.59	0.335634	0.0001181	0.0024703
Gltscr2	5.35192	5.36854	0	1	1
Ehd2_j4	0.913405	0.728587	-0.326154	0.543256	0.810795
Ehd2	7.26749	7.31045	0.00850283	0.936659	0.980567
Gltscr1_j3	1.2206	1.11571	0	1	1
Dhx34	2.14137	1.45991	0	1	1
Dhx34_j3	0.160875	0.22873	0	1	1
C5ar1	0.0885263	0.70398	2.99136	3.38E-05	0.0008569
Ccdc9_j8	1.63835	2.17637	0.409673	0.0382445	0.217407
Ccdc9_j7	0.66063	0.892005	0.43321	0.140667	0.466487
Ccdc9_j10	2.93844	4.36973	0.572494	0.0072146	0.0674392
Npas1_j2	0.23455	0.18597	-0.334828	0.772828	0.922935
Grif1	24.3276	21.1524	-0.201771	0.0207964	0.144832
Fkrp_j2	0.184472	0.0619543	0	1	1
9330104G04Rik_j1	0.390317	0.188638	-1.04903	0.111578	0.41568
Calm3_j4	1.24011	0.675706	0	1	1
Calm3_j2	90.3467	86.4301	0	1	1
Ppp5c	39.2006	40.4995	0.0470296	0.606122	0.844912
XLOC_030200	1.59722	1.18776	-0.427321	0.372743	0.705702
XLOC_030199	7.14973	6.29049	-0.184717	0.367803	0.701102
Ccdc61	2.33079	2.27971	-0.0319743	0.884614	0.963422
Qpctl	0.0102519	0.106572	0	1	1
Vasp	10.5003	10.1662	0	1	1
Ppm1n	0.407435	0.319204	-0.35209	0.351905	0.689084
Cd3eap	1.14902	1.2672	0.141243	0.469045	0.767335
AK020867_j1	0.156976	0.138712	-0.178445	0.801159	0.933726
Mark4_j2	22.0179	22.8715	0	1	1
Lrrc68	10.7605	11.4342	0	1	1
Lrrc68_j1	17.2697	19.3716	0	1	1
Lrrc68_j2	1.42217	1.3102	0	1	1
Gemin7_j1	28.7605	30.5321	0	1	1
Clasrp_j6	0.00466809	0.4282	6.51931	0.054128	0.271163
Relb_j3	1.39789	1.66244	0	1	1

Clptm1	57.4588	53.5102	-0.102716	0.24608	0.593595
Apoc1	2.54321	3.22021	0.340506	0.253602	0.601761
Pvrl2	2.10808	0.172136	0	1	1
Pvrl2	14.6377	16.2462	0	1	1
Bcam_j1	35.0344	55.2849	0	1	1
Bcam	83.6476	104.125	0	1	1
Cblc_j1	0.158319	0.17098	0	1	1
Bcl3	0.36948	0.135826	0	1	1
Pvr	2.53753	2.93814	0.211477	0.201576	0.54514
Zfp109_j1	0.430141	0.0833722	-2.36717	0.0001816	0.0035413
Zfp61	0.354911	0.475328	0.421464	0.331068	0.672809
Zfp94_j2	0.0910571	0 -1.79769e+308		0.0004228	1
Zfp94	0.439405	0.4593	0.0638864	0.860033	0.955725
Zfp94_j6	0.90743	0.443695	-1.03222	0.066887	0.309147
Zfp94_j9	0.844606	1.0502	0.314315	0.470648	0.768392
Zfp575	1.3638	1.73325	0.345843	0.0816174	0.347986
Zfp575_j1	0.0612688	0 -1.79769e+308		0.0271505	1
Rabac1	239.534	252.967	0.0787199	0.359071	0.694359
Pou2f2_j7	0.0762957	0.0723997	-0.0756179	0.936501	1
Pou2f2_j8	0.198548	0.161802	-0.295255	0.59552	0.838859
Flame-3	1.49368	1.44765	0	1	1
Dedd2_j1	1.58364	2.549	0	1	1
Dedd2_j3	1.43548	9.99E-05	0	1	1
Gsk3a_j3	0.386961	0	0	1	1
Gsk3a_j4	0.25211	0	0	1	1
Erf_j1	12.9033	16.3463	0.341218	0.004879	0.0497899
Pafah1b3_j2	0.448351	0.123725	-1.85749	0.153672	0.486379
Pafah1b3	14.7363	15.259	0.0502818	0.735238	0.906679
Lipe	1.30761	2.07135	0	1	1
Lipe	1.2049	1.60695	0	1	1
Ceacam1	0.403255	0.383261	0	1	1
Ceacam1_j2	0.0708003	0	0	1	1
Ceacam2_j2	0.283239	0	0	1	1
Ceacam1_j5	0.379359	0.285482	0	1	1
Bckdha	13.5249	13.5854	0.00644569	0.945854	0.983787
Tmem91_j1	0.146786	0.101644	-0.530189	0.41168	0.730802
Ccdc97_j1	6.7825	6.50535	0	1	1
Ccdc97_j4	11.1347	10.6493	0	1	1
Ccdc97	1.88562	1.62265	0	1	1
Hnrnpul1	7.77753	7.31702	0	1	1
Axl_j4	3.71157	3.26686	0	1	1
Axl	4.12429	4.69322	0	1	1
Cyp2s1	0.572849	0.207216	-1.46702	0.0025021	0.0298618
Egln2	33.7176	33.227	0	1	1
Rab4b	54.9918	51.8084	0	1	1
Mia1	0.348633	0.469882	0.430589	0.341992	0.681843
Snrpa	8.98328	9.48595	0.0785487	0.607561	0.845335

Itpkc	0.12247	0.272729	1.15504	0.0013112	0.0177579
Ltbp4	0.811599	0.850487	0	1	1
Spnb4_j3	2.14062	1.51489	-0.49882	0.0499728	0.258259
Spnb4	2.10943	1.97879	-0.0922353	0.512963	0.792348
Spnb4_j8	0.0553477	0 -1.79769e+308		0.0120634	1
Spnb4_j7	0.0658798	0 -1.79769e+308		0.0090701	1
Pld3_j3	0.104659	0.0420457	0	1	1
Map3k10	2.62726	2.58427	0	1	1
Map3k10_j4	3.73418	1.88737	0	1	1
Zfp780b_j1	0.231105	0.206115	0	1	1
Zfp780b	0.908298	0.764705	0	1	1
Zfp780b_j2	0.751268	0.657949	0	1	1
Psmc4	69.1543	74.418	0.105834	0.236594	0.583799
BC089491_j2	0.244296	0.155083	-0.655585	0.340239	0.680323
Timm50	14.5446	14.8194	0.0270011	0.826675	0.944157
Supt5h_j6	0.276523	0.211634	0	1	1
Supt5h_j7	0.219363	0.231395	0	1	1
Supt5h	1.88068	0.29045	0	1	1
Plekhg2	1.59755	2.12725	0	1	1
Plekhg2_j6	0.597867	0.485294	0	1	1
Plekhg2	0.507349	0.680342	0	1	1
Plekhg2	0.590314	0.604505	0	1	1
Zfp36	2.75895	3.87301	0.489336	0.0049149	0.0500313
Samd4b	8.00063	8.16364	0.0290991	0.791448	0.930476
Samd4b_j2	3.09	3.25533	0.0751981	0.618572	0.850136
Nccrp1	0.313654	0.216152	-0.537124	0.353361	0.689807
Pak4_j1	0.253869	0	0	1	1
Pak4	2.79179	2.28479	0	1	1
C330005M16Rik_j2	0.0822574	0 -1.79769e+308		0.0004514	1
C330005M16Rik_j1	0.407069	0.299033	-0.444968	0.184363	0.524849
Mrps12	35.4719	37.4766	0.0793146	0.51088	0.79135
Nfkbib	11.0323	12.9849	0	1	1
Actn4	28.8844	32.8625	0.186152	0.037113	0.21334
Eif3k_j1	8.27503	8.62839	0.0603278	0.796176	0.932066
Eif3k	75.5772	78.3787	0.0525108	0.582179	0.832693
Ryr1_j2	0.0679864	0 -1.79769e+308		0.0310224	1
Fam98c_j1	1.8035	2.45256	0.443489	0.187923	0.529048
Fam98c	9.35071	7.68273	-0.283456	0.0874629	0.361921
Spred3_j1	0.0485961	0 -1.79769e+308		0.0085854	1
Psm8_j1	41.7756	51.8405	0.311418	0.0071481	0.0669529
Psm8	41.6229	47.1423	0.179644	0.0609325	0.29121
2200002D01Rik	0.74759	1.03742	0.472686	0.0053485	0.0533806
Spint2	0.82467	0.739268	-0.157719	0.683625	0.881559
Sipa1l3_j4	0.82693	1.18408	0.517933	0.00372	0.0407528
XLOC_030290	0.115289	0.0696559	-0.726938	0.314797	1
Zfp940_j1	0.10128	0.0834196	-0.279889	0.767664	1
Zfp940	0.290483	0.162628	-0.836874	0.132559	0.453138

Zfp27_j3	0.432912	0.0269628	0	1	1
Zfp27	1.18232	1.35126	0	1	1
XLOC_030295	0.144226	0.106999	-0.430728	0.543298	0.810795
Zfp14_j6	0.706664	0.485065	0	1	1
Zfp14_j7	0.13786	0	0	1	1
Zfp82	0.0830392	0.21927	1.40085	0.0846029	0.35508
Zfp82_j2	0.382941	0.370752	-0.0466644	0.919756	0.97481
Zfp566	1.1713	0.99259	-0.238837	0.361734	0.696116
Zfp146_j2	0.631594	0.907855	0	1	1
Zfp146	3.668	3.74199	0	1	1
Capns1_j2	1.09013	1.46145	0	1	1
Capns1_j3	0.303673	0.391596	0	1	1
Tbcb	0.341179	0.431044	0.337307	0.48612	0.777426
Wdr62_j1	0.0879916	0.0260563	-1.75573	0.279688	1
Wdr62_j3	0.090153	0 -1.79769e+308		0.0002592	1
Lrfn3	7.25756	7.29483	0.00739041	0.949254	0.985343
Aplp1	91.7668	102.894	0.165119	0.0550003	0.273564
Arhgap33_j7	1.76386	2.56237	0	1	1
BC053749_j6	0.121081	0.20541	0.762532	0.218969	0.565277
Wbp7_j2	4.85396	6.19877	0	1	1
Wbp7_j3	1.35209	1.31006	0	1	1
Wbp7_j5	1.70543	1.87527	0	1	1
Wbp7_j4	0.549244	0.490437	0	1	1
Zbtb32_j1	0.075565	0.0529703	-0.512535	0.453381	1
Cox6b1	119.049	127.242	0.0960229	0.306635	0.651879
Rbm42	19.0856	23.6841	0.311439	0.0050423	0.0510331
Rbm42_j4	0.505474	0.808285	0.677228	0.279269	0.628017
Rbm42_j6	0.0887147	0 -1.79769e+308		0.0157805	1
Rbm42_j13	0.172353	0.168895	-0.0292347	0.967154	0.99061
Tmem147	28.147	26.0555	-0.111392	0.298123	0.644738
Mag	0.68221	0.467227	-0.546092	0.189951	0.531833
Mag_j1	1.87879	2.94197	0.646979	0.0003705	0.0063585
Usf2_j5	5.20474	6.25266	0	1	1
Fxyd5_j6	1.25041	3.09534	0	1	1
Fxyd5_j8	2.04169	2.15133	0	1	1
Fxyd5_j7	2.36567	2.68031	0	1	1
Fxyd1_j3	0.677698	0.483775	0	1	1
Fxyd1_j2	4.95022	9.64595	0	1	1
Hpn_j8	0.0603735	0.0315098	-0.938115	0.641791	1
Hpn_j4	0.259562	0.480174	0.887481	0.16606	0.502787
Scn1b_j1	207.317	173.165	-0.25969	0.0031881	0.0361873
Scn1b	6.72011	3.28466	-1.03274	7.36E-07	3.19E-05
Gramd1a_j2	11.39	15.0272	0	1	1
Gramd1a	0.647231	0.449941	0	1	1
Gramd1a_j3	0.660637	0.81403	0	1	1
Wtip_j1	0.412637	0.301338	-0.45349	0.506055	0.788576
Wtip	0.933587	1.63049	0.804447	0.0168905	0.125161

Uba2	29.6257	29.485	-0.00687198	0.94048	0.981888
Pdcd2l	8.22236	8.78307	0.0951729	0.50791	0.789986
Gpi1_j3	0.678524	0.88259	0	1	1
4931406P16Rik_j3	2.5721	2.29237	0	1	1
Lsm14a_j2	2.34862	2.10864	0	1	1
Lsm14a	6.47833	5.97978	0	1	1
Kctd15_j1	4.10434	3.82245	0	1	1
Kctd15_j2	5.70717	5.15656	0	1	1
Chst8_j1	5.46088	5.02186	-0.120912	0.501174	0.785338
Chst8	8.67237	6.32254	-0.455922	0.0010296	0.0146277
Cebpg_j1	1.01403	0.330984	0	1	1
Cebpg	7.25288	6.67712	0	1	1
Lrp3	17.3005	12.6489	0	1	1
Gpatch1	3.28528	3.0305	-0.11646	0.45815	0.7608
C230052I12Rik	2.27912	2.5593	0.167272	0.290913	0.638208
Nudt19	10.0115	9.92459	-0.0125805	0.909968	0.971581
Pdcd5_j5	0.498723	0.565625	0.181608	0.795518	0.931914
Pdcd5_j11	0.59857	0.353048	-0.761653	0.246492	0.594158
Dpy19l3	0.867913	1.02876	0.245278	0.146774	0.475127
Zfp507_j4	0.494847	0.380158	0	1	1
Zfp507_j6	0.186685	0.214687	0	1	1
Zfp536	0.150826	0.101426	-0.572447	0.184076	0.524679
C80913_j3	2.05519	2.1974	0	1	1
C80913	3.80049	4.31347	0	1	1
C80913_j4	1.04482	0.000245938	0	1	1
Ccne1	6.06055	5.8924	-0.0405952	0.76927	0.921491
Plekhf1	0.706824	0.990396	0.486655	0.106623	0.405655
Pop4	7.22817	6.36963	0	1	1
Pop4_j1	0.834452	0.470114	0	1	1
Gm6872	4.08056	4.15562	0.0262942	0.906243	0.970331
RP23-147O14.6	91.1825	98.4162	0.110139	0.263908	0.612664
BC063263_j3	0.526064	0.489168	0	1	1
BC063263_j2	0.663456	0.47024	0	1	1
Gm5595_j2	0.140432	0.158843	0.17773	0.799426	0.933125
Gm5595_j1	0.630264	0.432253	-0.54408	0.155586	0.488785
Gm9294	24.5823	29.042	0.240524	0.0485882	0.253904
Zfp715_j2	0.995538	1.00631	0	1	1
Zfp715_j3	0.221557	0.0708692	0	1	1
Zfp715	1.46786	2.17968	0	1	1
Zfp715_j5	0.658384	0.347458	0	1	1
Iglon5	18.7902	17.8101	-0.0772854	0.451646	0.75674
Cd33	0.260842	0.402893	0.627221	0.0463939	0.246963
Siglece_j6	0.119557	0.0624525	-0.936873	0.568244	1
Siglece	0.3909	0.418378	0.0980073	0.8195	0.941524
AK134755_j6	0.215818	0.0501163	-2.10646	0.169885	0.506909
AK134755_j8	0.109402	0.0164082	-2.73714	0.182761	1
AK134755_j7	0.157147	0.0441465	-1.83174	0.135896	0.458655

1700008O03Rik_j2	1.30701	0.355494	0	1	1
1700008O03Rik_j3	0.213064	0.0814253	0	1	1
2310044H10Rik_j2	119.994	113.01	-0.0865208	0.353464	0.689952
Mybpc2_j3	1.50751	1.5761	0.0641891	0.697921	0.888683
Pold1_j1	0.932474	1.12402	0	1	1
Pold1	1.14187	1.17054	0	1	1
Nr1h2_j1	0.6107	0.776727	0	1	1
Nr1h2	0.651223	0.832666	0	1	1
Nr1h2	12.967	11.3663	0	1	1
Myh14_j2	0.0597898	0	0	1	1
Myh14_j1	6.72455	4.44921	0	1	1
Atf5_j2	1.46713	1.34928	0	1	1
Atf5	7.26882	9.2282	0	1	1
Tbc1d17_j2	2.25932	1.53494	0	1	1
Ptov1_j1	1.50957	1.65669	0	1	1
Med25_j1	0.911616	1.05401	0	1	1
Med25	19.7273	20.7506	0	1	1
Ap2a1_j6	0.150205	0	0	1	1
Ap2a1	9.88307	6.60819	0	1	1
Cpt1c_j3	7.77358	6.95452	0	1	1
Prmt1	2.99868	3.77637	0	1	1
Prmt1	8.50418	9.36872	0	1	1
Bcl2l12	0.850959	0.846046	-0.00835336	0.968309	0.991047
Scaf1_j5	2.57208	2.87395	0	1	1
Scaf1_j2	11.2439	8.75993	0	1	1
Prr12_j3	0.889062	0.919165	0	1	1
Prr12	1.36263	0.898513	0	1	1
Rcn3	5.73957	7.06786	0.300331	0.0734114	0.326393
Rcn3	2.41836	2.5546	0.0790668	0.765675	0.919932
Fcgrt	8.24476	9.25717	0.167094	0.214623	0.560036
Rps11	32.8872	33.8583	0.0419842	0.708207	0.893746
Rpl13a_j1	20.8164	21.8634	0.070793	0.572833	0.827318
Rpl13a	0.418639	0.299088	-0.48514	0.47959	0.773715
Flt3l_j9	0.367016	0.371897	0.0190625	0.97465	0.992762
Flt3l_j10	0.199791	0.0630247	-1.6645	0.127866	0.445556
Aldh16a1	3.65985	4.31787	0	1	1
Ccdc155_j2	0.124004	0 -1.79769e+308	0.0031695	0.0031695	1
Ccdc155_j12	0.0764659	0.0895247	0.227469	0.807232	1
Dkk1	0.0326688	0.139608	2.0954	0.169465	1
Cd37_j1	0.0396575	0.139577	1.81539	0.126757	1
Cd37_j2	0.055288	0.0181781	-1.60476	0.43735	1
Ppfia3_j4	6.07648	5.93725	0	1	1
Ppfia3	9.36893	9.32411	0	1	1
Snrnp70	29.5352	33.8723	0	1	1
Snrnp70	9.05458	11.4702	0	1	1
Ruvbl2	5.5954	4.4144	0	1	1
Ftl1	181.523	233.988	0.366286	2.19E-05	0.0005962

Bax	8.04232	9.29999	0	1	1
Bax	3.17392	2.79116	0	1	1
Dhdh	1.49936	1.33857	0	1	1
Nucb1_j4	2.84542	5.22395	0	1	1
Nucb1	15.1503	12.4506	0	1	1
Ppp1r15a	12.6047	13.6605	0	1	1
AK049852	0.754149	0.871223	0.208194	0.351748	0.688957
Fut2	0.191378	0.197352	0.0443483	0.891882	0.965687
Sphk2	3.95412	2.96633	0	1	1
Sult2b1_j3	0.103776	0 -1.79769e+308	0.0405059		1
Sult2b1_j1	0.0979147	1.17E-05	-13.0334	0.995142	1
Cyth2	10.3899	16.9516	0	1	1
Cyth2_j2	12.7853	12.734	0	1	1
Grwd1_j2	1.24845	1.64392	0.397009	0.369654	0.703078
Grwd1	0.345469	0.374855	0.117774	0.808496	0.937072
Grin2d_j2	0.24492	0.0126917	-4.27035	0.199712	0.542763
Grin2d	0.0234229	0.181901	2.95716	0.0187448	0.134881
Syng4_j1	8.59893	11.4133	0	1	1
Emp3	4.38492	6.09197	0	1	1
Kcnj11	2.37919	1.20249	-0.984446	7.96E-06	0.0002536
Abcc8_j2	2.58244	1.56713	-0.720608	4.71E-06	0.0001602
Abcc8_j1	0.344537	0.0488183	-2.81916	0.0005733	0.00914
Sergef	1.25076	1.28951	0.0440223	0.81801	0.940957
Sergef_j2	0.202998	0.105757	-0.940717	0.378993	0.710523
Saal1	0.496824	0.475321	-0.0638318	0.777896	0.924945
Hps5	0.079499	0.0183992	0	1	1
Hps5_j4	0.674749	0.446506	0	1	1
Tsg101_j4	10.8994	11.4639	0.0728444	0.602649	0.84309
Uevld_j4	0.0800413	0.0568716	-0.493037	0.733947	1
Spty2d1	3.38524	3.0106	-0.169209	0.188094	0.52933
Ptpn5	0.843356	1.48402	0	1	1
Ptpn5	0.302712	0.476472	0	1	1
XLOC_030426	0.0894024	0.105723	0.241906	0.731987	1
Mrgpra9	0.372112	0.554117	0	1	1
XLOC_030427	4.02782	2.36679	0	1	1
Mrgprx1_j2	0.24466	0.163186	-0.584267	0.148586	0.477445
Mrgprx1	5.27349	5.46178	0.0506155	0.663766	0.872653
Svip	27.8975	21.9561	-0.345511	0.0003466	0.0060062
Nipa2	1.68287	1.52276	-0.144231	0.316908	0.660306
Nipa1	18.6716	16.4767	-0.180413	0.0421972	0.232106
Snrpn_j8	3.95969	4.06624	0	1	1
Snrpn_j9	1.96322	1.78394	0	1	1
XLOC_030460	0.129285	0 -1.79769e+308	0.0007253		1
XLOC_030460	0.0519012	0.000561364	-6.53069	0.616856	1
DOKist4_j1	0.241277	0.0833305	-1.53377	0.25098	0.598849
A230057D06Rik_j1	0.280379	0.268841	-0.0606266	0.875263	0.960277
AK086712_j1	0.362668	0.145468	-1.31795	0.0566566	0.278449

AK086712_j2	0.100901	1.36E-05	-12.8553	0.993886	1
AK086712_j3	0.0555449	0.0820209	0.562336	0.674176	1
Mkrn3	0.355508	0.388431	0.127779	0.68893	0.88458
Chrna7	11.0171	7.94319	0	1	1
Klf13_j2	17.3697	22.3526	0.363869	5.13E-05	0.0012189
Klf13	2.75427	2.83453	0.0414412	0.778751	0.925532
Fan1	0.653393	0.448232	-0.543706	0.0522534	0.265401
Mphosph10_j1	4.42801	4.83901	0.128054	0.414543	0.732858
Fam189a1	0.984792	0.548211	-0.845087	0.0007502	0.011381
Tjp1_j6	0.215064	0 -1.79769e+308		4.77E-08	2.82E-06
Tjp1	1.32406	0.890419	-0.57241	0.0062079	0.0601524
Tjp1_j5	1.58455	0.873209	-0.859677	3.71E-05	0.0009251
XLOC_030477	0.212445	0.11274	-0.914086	0.200489	0.543845
Lrrk1	0.292517	0.104629	-1.48324	0.0007591	0.011481
Aldh1a3	0.467511	0.0897952	-2.38029	0.0001021	0.0021968
Asb7_j2	0.670093	0.422683	0	1	1
Asb7	0.624806	0.632243	0	1	1
XLOC_030481	0.172238	0.166755	-0.0466732	0.938929	0.981348
AK038598_j1	0.113245	0.0396184	-1.51521	0.160325	1
AK038598_j5	0.197747	0.0305203	-2.69581	0.0538179	0.270332
AK038598_j2	0.117269	0.0923691	-0.34434	0.718343	1
AK038598_j9	0.091321	0.0983844	0.107483	0.921313	1
Mef2a_j8	2.5415	1.18908	0	1	1
Mef2a	0.1616	0.323081	0	1	1
Lrrc28	4.07623	3.7629	0	1	1
Sym_j3	13.5729	12.4545	0	1	1
Sym	5.75102	4.56679	0	1	1
AK014683_j1	0.153611	0.177722	0.210334	0.785917	0.928311
Arrdc4	5.13698	6.48785	0.336821	0.0045904	0.0476131
Arrdc4	3.56754	2.21626	-0.686799	0.0193509	0.137777
AK049871	0.343022	0.300994	-0.188564	0.682896	0.881225
AK049871_j2	0.226856	0.108163	-1.06857	0.309352	0.654043
Nr2f2_j1	0.0655727	0.108622	0.728148	0.410107	1
Nr2f2	3.32491	3.59094	0.111047	0.485133	0.776871
Mctp2_j7	0.248767	0.110819	0	1	1
Mctp2_j3	1.14028	0.710515	0	1	1
Mctp2	1.16409	0.565325	0	1	1
Gm10294	141.402	169.351	0.260213	0.0044296	0.0464189
Chd2_j5	0.125705	0.0770606	-0.70598	0.194457	1
Chd2_j6	0.132427	0.0801509	-0.724406	0.158264	1
Chd2_j7	0.655632	0.465676	-0.493561	0.0200855	0.141224
Slco3a1	13.7811	13.2819	-0.0532305	0.613226	0.847467
Sv2b_j4	13.7874	14.1985	0	1	1
Sv2b	30.1486	19.8241	0	1	1
Sv2b	8.50073	4.41861	0	1	1
XLOC_030503	0.156937	0.0270075	-2.53875	0.207267	0.551757
Ntrk3_j5	1.09695	1.20189	0	1	1

E430016F16Rik_j5	0.181472	0	-1.79769e+308	3.94E-06	0.0001377
E430016F16Rik_j6	0.192252	0	-1.79769e+308	1.52E-06	5.93E-05
E430016F16Rik_j8	0.22977	0	-1.79769e+308	6.84E-08	3.89E-06
E430016F16Rik_j4	0.377022	8.15E-05	-12.175	0.838775	0.948621
Mrpl46	7.00882	6.50994	-0.106529	0.547835	0.813886
Det1_j6	0.375987	0.13051	-1.52652	0.006969	0.0656472
Hapln3_j1	0.286459	0	-1.79769e+308	1.30E-07	6.79E-06
Hapln3	0.3674	0.275746	-0.414014	0.286417	0.635237
Mfge8	3.76187	4.66053	0	1	1
Rlbp1_j2	0.207369	0.1719	0	1	1
Rlbp1	1.41068	1.40702	0	1	1
Polg	0.884475	0.715171	0	1	1
Kif7	0.243533	0.258409	0.0855413	0.865444	0.957089
Kif7_j4	0.123711	0.0738787	-0.743739	0.342225	1
Kif7_j5	0.126653	0.061826	-1.03459	0.245855	1
Kif7_j6	0.101308	0.0328234	-1.62596	0.119362	1
Pex11a	1.46746	1.11351	0	1	1
Pex11a	2.12668	1.441	0	1	1
Anpep	0.222344	0.165613	-0.424976	0.439731	0.749296
ldh2_j3	2.93427	3.10746	0	1	1
ldh2	2.76667	3.34209	0	1	1
Cib1	4.4755	5.54055	0	1	1
Unc45a_j2	1.0118	0.988433	0	1	1
Man2a2_j3	0.402209	0.37908	0	1	1
Fes_j3	0.212061	0.371918	0.810505	0.335153	0.675781
Fes	0.321245	0.390705	0.282405	0.468576	0.767143
Furin_j3	5.23966	5.92524	0	1	1
Furin	3.72028	2.72081	0	1	1
Blm	0.220538	0	-1.79769e+308	2.86E-12	3.81E-10
Crtc3	2.94525	2.50522	0	1	1
lqgap1_j3	1.57627	2.13997	0	1	1
lqgap1_j4	2.15613	2.38721	0	1	1
lqgap1	0.857027	1.04724	0	1	1
lqgap1_j2	2.02466	1.97203	0	1	1
Sec11a	11.9888	12.4422	0.0535526	0.697677	0.888632
XLOC_030530	0.131087	0	-1.79769e+308	0.0095179	1
XLOC_030530	0.31301	0.114272	-1.45373	0.117461	0.426424
XLOC_030530	0.371061	0.305312	-0.281373	0.438814	0.748467
Gm7180	71.222	67.2558	-0.0826644	0.462778	0.763401
Cpeb1_j1	3.51249	1.64465	0	1	1
Ap3b2	47.3194	49.149	0	1	1
Homer2	1.78465	2.11622	0	1	1
Homer2	2.69587	2.074	0	1	1
vesl-2_j1	0.646903	0.111219	0	1	1
3110040N11Rik_j1	0.737059	0.957368	0.377294	0.297389	0.643979
3110040N11Rik	2.74961	2.15534	-0.351315	0.194545	0.536807
Btbd1_j6	2.83913	1.73638	-0.709372	0.0044588	0.0466149

Hdgfrp3_j2	2.16446	2.29924	0	1	1
Fam154b_j1	0.0896273	0.0892359	0	1	1
AK042300_j1	0.3526	0.221888	0	1	1
AK042300_j2	0.272703	0.198241	0	1	1
Il16_j4	0.220671	0.046086	-2.2595	0.0076563	0.0704465
Il16_j2	0.331221	0.31367	-0.0785471	0.763228	0.918454
9930013L23Rik_j5	0.460743	0.561252	0.284688	0.405247	0.726998
9930013L23Rik	0.279006	0.177062	-0.656038	0.091103	0.371031
Fam108c	9.90885	11.2436	0.182315	0.117072	0.425436
Arnt2_j1	0.773402	0.220037	0	1	1
Arnt2	4.8178	5.89803	0	1	1
Fah_j4	5.53355	5.45959	0	1	1
Zfand6	13.7158	12.875	0	1	1
Folh1_j3	0.626482	0.438389	0	1	1
Folh1	0.833647	1.26027	0	1	1
Folh1	1.35566	1.57427	0	1	1
Tmem135_j3	9.15178	6.37354	0	1	1
Tmem135	13.2197	11.3303	0	1	1
Prss23	2.75607	3.71786	0	1	1
Prss23_j1	0.84947	0.673644	0	1	1
I7Rn6	6.66838	6.52947	-0.0303693	0.796267	0.932066
Eed	3.03962	3.43578	0.176748	0.257985	0.606629
Ccdc83_j1	0.253724	0.0913456	-1.47385	0.122585	0.4357
Tmem126a	2.26202	2.30321	0	1	1
Tmem126b	9.15772	8.74348	-0.0667805	0.542406	0.810216
Ankrd42_j1	0.0993421	0.0604343	-0.717037	0.367119	1
Ankrd42_j5	1.44205	1.54403	0.0985816	0.733633	0.906044
4632434I11Rik	0.277699	0.236886	0	1	1
Usp35	17.1236	17.5633	0	1	1
Usp35_j1	7.01908	5.01125	0	1	1
Thrsp	10.5432	5.55436	-0.924616	3.75E-11	4.17E-09
1810020D17Rik	11.4751	10.4146	-0.139895	0.435394	0.74624
Aqp11	2.69849	2.47438	-0.125085	0.406543	0.727764
Myo7a_j8	0.285544	0.115185	-1.30976	0.0917077	0.372123
Myo7a_j10	0.251034	0.528171	1.07312	0.0001402	0.0028416
Myo7a_j9	0.0676408	0.0452053	-0.581402	0.429025	1
Capn5_j1	26.6389	31.6785	0	1	1
Capn5	4.03598	2.15873	0	1	1
Capn5_j5	0.580608	0.457786	0	1	1
B3gnt6	0.351668	0.38003	0.111898	0.769782	0.921491
Acer3	3.26785	2.93421	-0.155369	0.198507	0.541655
2210018M11Rik_j8	1.11407	1.06511	0	1	1
AK052909	0.183711	0.141236	-0.379328	0.660209	0.871049
Uvrag_j1	3.34995	3.70003	0	1	1
Uvrag	5.96131	4.08351	0	1	1
Dgat2_j2	1.47457	2.87688	0.964214	0.0001826	0.0035575
Dgat2	6.3659	7.21689	0.181013	0.191415	0.53358

Serpinh1	14.5204	18.1366	0	1	1
Rps3	15.5336	19.5035	0.328342	0.0028663	0.0332157
Slco2b1_j3	0.188674	0.285856	0.59939	0.325766	0.669036
Slco2b1	0.205658	0.00491079	-5.38815	0.0463484	0.246859
Slco2b1	0.783455	1.59939	1.0296	9.88E-07	4.09E-05
Neu3_j1	0.0471673	0.0378232	-0.318514	0.748116	1
Neu3_j3	0.0319233	0.0617385	0.951561	0.287892	1
Spcs2	21.2276	21.2453	0.00120295	0.991761	0.997561
Rnf169_j3	0.111011	0.0553753	0	1	1
Rnf169_j2	0.463065	0.0414647	0	1	1
Pold3	1.65365	1.2606	0	1	1
Ppme1	49.9575	51.6604	0	1	1
Dnajb13_j4	0.0753859	0.0271004	-1.47598	0.349637	1
Plekhb1_j3	2.90427	2.2704	0	1	1
Plekhb1	36.2028	37.9147	0	1	1
Relt_j7	3.29574	1.82506	0	1	1
Arhgef17	9.62542	7.65037	-0.331319	0.0010085	0.014411
P2ry6	0.421549	0.567813	0.429714	0.269517	0.618722
P2ry2	0.404804	0.670726	0	1	1
P2ry2_j1	0.159097	0.0296353	0	1	1
Gm7027	22.2121	24.6064	0.147693	0.225353	0.572449
Inpp1_j6	1.20437	1.02342	0	1	1
Inpp1	1.38422	1.04757	0	1	1
Folr2	0.0646597	0.278601	2.10726	0.0164399	0.122755
Rnf121_j1	0.713831	0.697643	0	1	1
Chrna10_j4	0.0468786	0 -1.79769e+308	0.0532731		1
Chrna10	0.221947	0.215944	-0.0395609	0.936918	0.980715
Chrna10_j5	0.164248	0.0342241	-2.26279	0.0292006	0.182342
Nup98_j3	0.247573	0.187837	0	1	1
Nup98_j4	2.05705	1.01908	0	1	1
Nup98_j5	2.96414	1.68641	0	1	1
Rhog	2.58243	2.81118	0	1	1
Trim21_j1	0.811781	0.612701	-0.405906	0.282811	0.631354
Trim21	1.47659	1.70037	0.203577	0.323549	0.666591
Trim68_j4	0.146412	0.169053	0.207446	0.774588	0.923737
Trim68	1.62041	0.887072	-0.869237	0.003682	0.0405203
Olfr78_j1	0.0925133	0.0709743	-0.382365	0.685924	1
Beta-s	76.8624	99.8749	0.377844	0.0001055	0.0022573
Trim5_j1	0.137498	0.11906	-0.207718	0.820808	0.942018
Trim12a_j1	0.307738	0.157496	-0.966389	0.18795	0.529074
9230105E10Rik	0.479089	0.674986	0.494566	0.173564	0.511435
9230105E10Rik_j3	0.588622	0.397104	-0.567824	0.16101	0.495756
Trim30a_j4	0.0876887	0.109551	0.321139	0.67872	1
Trim30a_j8	0.352105	0.243667	-0.531097	0.332085	0.6735
Gm16464	1.76379	2.05771	0.222359	0.325793	0.669036
Fam160a2_j2	0.128594	0 -1.79769e+308		1.99E-09	1
Fam160a2	1.11658	1.64101	0.555492	0.0003551	0.0061227

Prkcdbp	11.3814	21.1292	0.892558	5.31E-13	7.91E-11
Apbb1_j6	0.20888	0.0438496	0	1	1
Apbb1	4.11331	2.60229	0	1	1
Apbb1_j7	19.0826	35.0171	0	1	1
Trim3	16.661	20.6435	0	1	1
Trim3	8.12872	7.01114	0	1	1
Arfip2	1.84575	2.77919	0	1	1
Tpp1	15.2422	15.4516	0.0196937	0.840859	0.94973
Mrpl17_j1	16.845	16.8881	0.00369111	0.985399	0.995689
Mrpl17	25.6096	26.1007	0.0274037	0.820042	0.941761
Cyb5r2	0.128793	0.303249	1.23545	0.0572301	0.280348
Cyb5r2_j2	0.0850858	0.114262	0.425349	0.52101	1
Ric3	0.0513576	0.0689355	0	1	1
Ric3	3.58785	3.29277	0	1	1
Lmo1_j1	0.760138	0.453066	0	1	1
Lmo1_j2	2.25761	2.54468	0	1	1
Lmo1_j3	8.32356	9.04312	0	1	1
St5_j1	1.61858	2.0557	0	1	1
St5	1.07516	0.978572	0	1	1
St5_j2	0.102058	0.230926	0	1	1
Tmem9b	36.3147	36.3241	0.000371545	0.996816	0.999085
Nrip3_j2	0.415004	1.0274	0	1	1
Nrip3	30.2677	26.5007	0	1	1
Scube2_j2	0.0994693	0.0684738	-0.538698	0.591586	1
Dennd5a_j3	8.33834	9.70368	0	1	1
Dennd5a	9.36054	10.6289	0	1	1
Dennd5a	8.15641	6.61554	0	1	1
Tmem41b_j3	0.223028	0 -1.79769e+308	0.0001623	0.0032248	
Sbf2	2.29549	2.91259	0	1	1
Sbf2_j5	0.219863	0.142781	0	1	1
Sbf2_j4	0.340228	0.061797	0	1	1
Rnf141_j2	0.0754152	0.151486	0	1	1
Lyve1	1.0318	1.00612	-0.036351	0.8797	0.961537
Mrvi1_j4	0.267589	0.164129	-0.705186	0.0815338	0.347847
Mrvi1_j3	0.0604981	0 -1.79769e+308	0.0009278	1	
Eif4g2_j7	78.354	95.741	0	1	1
Eif4g2	0.0903484	0.140409	0	1	1
Galntl4_j4	0.12992	0	0	1	1
Galntl4_j5	1.05682	0	0	1	1
Galntl4	7.9492	8.39778	0	1	1
Dkk3_j3	12.152	9.05835	0	1	1
Dkk3	14.1123	10.7544	0	1	1
Btbd10_j2	1.92248	3.60474	0	1	1
Btbd10	7.81461	7.31158	0	1	1
Btbd10_j1	2.83962	3.67678	0	1	1
Rras2	0.711686	0.974976	0.454125	0.0622171	0.295391
Copb1	19.7181	19.1184	-0.0445613	0.640026	0.860827

Psma1_j1	68.2661	69.9407	0.034964	0.723938	0.901782
Psma1	31.6825	33.0468	0.0608226	0.573102	0.827416
XLOC_030665	0.308987	0.30821	-0.00363192	0.994276	0.998373
Calca_j1	467.643	503.026	0	1	1
Calca_j2	449.064	467.677	0	1	1
Sox6_j3	0.115515	0.0644831	-0.841086	0.163482	1
Gm4353	6.40429	7.95088	0.312078	0.0457987	0.24486
Plekha7_j1	0.193877	0 -1.79769e+308		5.16E-08	3.02E-06
Plekha7_j2	0.15313	0.0644184	-1.24922	0.0690387	0.314999
Plekha7_j10	0.440192	0.131778	-1.74002	0.0008457	0.0125217
Rps13_j2	1.19927	1.10812	-0.114043	0.675785	0.877932
Pik3c2a	1.18624	0.893192	-0.409357	0.0339475	0.201735
Pik3c2a_j2	0.249296	0 -1.79769e+308		1.01E-12	1.44E-10
Rps15a_j5	0.564037	0.358545	0	1	1
Rps15a_j2	0.217559	0.25554	0	1	1
Arl6ip1	168.257	161.636	0	1	1
Syt17	0.175028	0.0854009	-1.03527	0.231397	0.578474
Syt17	0.342968	0.32804	-0.0642033	0.886014	0.963781
Syt17_j2	0.309828	0.345186	0.155904	0.709213	0.894136
Itpripl2	2.06633	2.8654	0.471661	0.0001796	0.0035102
Coq7	20.4475	19.8927	-0.0396885	0.76289	0.918329
Tmc7	2.9724	4.2411	0	1	1
Gde1_j5	6.77545	16.0221	0	1	1
Gde1	29.1806	35.1976	0	1	1
2310008H09Rik	0.147917	0.12247	0	1	1
Gprc5b_j1	8.65604	5.69982	0	1	1
Gprc5b	3.2877	1.23244	0	1	1
Gprc5b	9.65432	6.05165	0	1	1
Gpr139_j1	2.41504	2.28071	0	1	1
Gpr139	1.43501	1.09469	0	1	1
XLOC_030686	0.0882815	0 -1.79769e+308		0.0156202	1
Thumpd1	13.4795	14.87	0.141641	0.170624	0.507473
Eri2_j4	0.187026	0.15197	-0.299451	0.631225	0.8565
Eri2	0.107599	0.0381728	-1.49505	0.212154	1
Eri2	0.400371	0.306708	-0.38447	0.365264	0.699065
Dcun1d3	0.440803	0.358791	-0.296993	0.245545	0.592921
Crym_j1	4.64074	5.4502	0.231954	0.277311	0.626359
Crym	3.94205	4.22069	0.0985316	0.623428	0.85284
Cdr2	25.6849	26.6353	0.0524184	0.576515	0.829044
Usp31	2.89781	1.7668	0	1	1
Cog7	12.4408	12.3638	-0.00895309	0.931875	0.979283
Gga2	25.7571	30.182	0.228719	0.0084438	0.075552
Ndufab1_j1	0.889179	1.07905	0	1	1
Ndufab1_j3	1.3548	0.766304	0	1	1
Ndufab1_j4	0.059983	0	0	1	1
Palb2_j4	0.0845746	0 -1.79769e+308		0.0420498	1
Palb2_j6	0.0796791	0 -1.79769e+308		0.0538927	1

Palb2_j5	0.147629	0	-1.79769e+308	0.009722	0.0838932
Ern2_j2	0.053792	0.0312618	-0.782989	0.497987	1
Ern2_j1	0.135843	0.0308198	-2.14002	0.0457044	1
Arhgap17	0.156977	0.245933	0	1	1
Zkscan2_j2	0.306719	0.410797	0.421509	0.227172	0.574393
Zkscan2_j3	0.0674043	0	-1.79769e+308	0.0010053	1
Zkscan2_j4	0.320366	0.204528	-0.647419	0.0624849	0.295796
Nsmce1_j2	0.806923	0.000292567	-11.4294	0.889119	0.964761
Nsmce1	0.988271	0.979959	-0.0121863	0.968622	0.9911
Gtf3c1_j4	9.86154	12.2908	0	1	1
Gtf3c1	8.63637	7.35601	0	1	1
Gsg1l	1.48732	1.4509	-0.0357639	0.849729	0.952228
Xpo6_j1	0.26928	0.185485	0	1	1
Spns1	8.78991	8.7967	0.00111376	0.992791	0.997911
Sh2b1_j4	1.2212	0.928695	0	1	1
Sh2b1	2.08699	4.76401	0	1	1
Sh2b1	5.18323	1.58628	0	1	1
Atxn2l_j11	0.513061	1.05779	0	1	1
Atxn2l_j3	4.56876	3.15904	0	1	1
Eif3c_j2	33.3739	39.5966	0	1	1
Eif3c	16.2211	15.8576	0	1	1
Cln3_j7	0.304765	0.0747442	-2.02766	0.112963	0.418375
Nupr1	2.25342	3.1811	0.497412	0.0605993	0.290199
Coro1a_j2	0.169193	0.246539	0.543142	0.0621682	0.295234
Coro1a_j9	1.30538	1.21221	-0.106828	0.787977	0.929394
Ppp4c	20.0275	22.7526	0.184048	0.112808	0.418089
Aldoa_j5	0.745552	0.498412	0	1	1
Aldoa	78.152	77.4981	0	1	1
Taok2_j1	0.569116	0.599073	0.0740087	0.739972	0.90886
Taok2	11.4986	12.3352	0.101328	0.311714	0.656276
Mvp_j1	0.4708	0.680257	0	1	1
Mvp_j2	0.807437	0.773695	0	1	1
Mvp_j3	0.573362	0.764836	0	1	1
Qprt	1.61638	1.25425	-0.365943	0.147275	0.475869
Cd2bp2_j2	10.8276	10.49	0	1	1
Cd2bp2_j5	0.292466	0	0	1	1
Cd2bp2_j6	1.30871	1.82119	0	1	1
Cd2bp2	1.70209	0.87609	0	1	1
Tbc1d10b_j1	0.747304	0.308528	-1.27629	0.0140211	0.109598
Tbc1d10b	18.652	19.0118	0.0275614	0.77685	0.924603
Dctpp1	7.03117	7.94086	0.17553	0.321696	0.664798
Sephs2	8.89474	7.63416	-0.220483	0.0548652	0.273143
Zfp768	0.758989	0.735954	-0.0444623	0.867725	0.958158
Zfp747	0.690669	0.886087	0.359453	0.225756	0.572899
9130019O22Rik_j1	0.116797	0.132841	0.185694	0.724697	1
E430018J23Rik	0.648384	0.302595	-1.09946	0.0242838	0.161084
Zfp764_j1	0.775535	0.75969	-0.0297807	0.932631	0.979591

Zfp689	1.23549	1.03468	-0.255898	0.184279	0.524798
Gm166_j1	0.0528929	0 -1.79769e+308		0.0005627	1
Zfp629_j2	0.334685	0 -1.79769e+308		4.36E-13	6.58E-11
Zfp629_j3	0.199791	0.416262	1.059	0.0565039	0.27814
Zfp629	0.606008	0.480856	-0.33373	0.23703	0.583799
Stx1b_j1	21.2681	20.2102	0	1	1
Stx1b	0.608973	0.616342	0	1	1
Stx1b_j2	32.9777	26.0635	0	1	1
Prss53_j3	0.114816	0.077628	-0.564675	0.151672	1
Vkorc1	2.55063	2.85078	0.160505	0.358181	0.693687
Prss36_j6	0.185086	0.0450223	-2.03948	0.147602	0.476304
Prss36_j5	0.682062	1.12355	0.720083	0.0479868	0.251853
Pycard	0.354571	0.497137	0.487568	0.135798	0.458482
BC017158_j3	1.38744	1.22395	0	1	1
BC017158	4.62249	3.75925	0	1	1
Rgs10	106.92	92.4677	-0.209509	0.0208223	0.144992
Tial1	5.74519	5.97526	0	1	1
Tial1	2.22365	1.97824	0	1	1
Mcmbp	1.69906	1.85083	0.123434	0.313526	0.657845
Fgfr2	0.299671	0.200979	-0.576332	0.176911	0.515993
Gm5903	2.80266	2.74537	-0.0297954	0.849139	0.952225
Ate1_j3	5.51309	6.5004	0	1	1
Ate1	5.72136	4.79692	0	1	1
Ate1_j4	1.38038	1.35909	0	1	1
Nsmce4a	5.29576	4.68587	-0.176521	0.328219	0.670767
Gm5602_j1	0.320379	0.35312	0.140379	0.649861	0.865521
2310057M21Rik_j1	0.418668	0.358815	-0.222567	0.442226	0.750452
Ikzf5	1.052	0.938439	0	1	1
Cpxm2_j1	0.215154	0.256445	0.25328	0.664007	0.872726
Cpxm2_j3	0.144331	0 -1.79769e+308		0.0056082	0.055432
Chst15_j2	0.583193	1.62813	0	1	1
Chst15_j3	4.92683	5.58772	0	1	1
Oat	43.5974	46.8385	0.103452	0.249161	0.596627
Mettl10_j2	0.183504	0.29603	0.68993	0.0332737	0.199024
Mettl10_j6	0.391464	0 -1.79769e+308		3.03E-21	8.67E-19
Ctbp2_j4	0.796213	0.744793	0	1	1
Uros	15.3196	16.709	0	1	1
Dhx32_j2	0.748819	0.574757	0	1	1
D7Erd443e_j10	0.140829	0 -1.79769e+308		0.0012633	0.0172392
D7Erd443e_j2	0.297517	0.0917701	-1.69688	0.0175427	0.128567
D7Erd443e_j5	0.241085	0.282338	0.227884	0.638775	0.860184
D7Erd443e_j11	0.348899	0.189656	-0.879428	0.137185	0.460677
Fam196a_j3	0.0734616	0	0	1	1
B830028B13Rik	0.194741	0.207583	0	1	1
Ebf3_j8	2.07386	1.29548	0	1	1
Ebf3	5.69939	5.73112	0	1	1
9430038I01Rik_j3	0.159488	0.250152	0.649357	0.376458	0.708503

9430038I01Rik_j1	0.0715839	0.0868629	0.279105	0.840673	1
Tcerg1l	7.20916	5.90005	-0.289104	0.0325732	0.1962
Stk32c	6.39613	5.60099	0	1	1
Nkx6-2	0.469735	0.348703	-0.42985	0.270451	0.619596
Adam8_j2	0.266739	0.572833	1.10269	0.000628	0.0098488
Tubgcp2_j2	2.63152	1.0572	-1.31564	1.85E-06	7.09E-05
Tubgcp2	1.34499	1.547	0.201884	0.219163	0.565521
Caly_j1	3.72585	2.85487	-0.384147	0.113252	0.418904
Caly	3.66248	2.46268	-0.572592	0.0297827	0.184783
Echs1	27.1495	27.4298	0.014819	0.885458	0.963679
Sprn	6.0235	4.91016	-0.294834	0.0296496	0.184356
Zfp941_j2	3.46537	3.52497	0.0246014	0.866358	0.957557
Zfp941	0.722203	0.691924	-0.0617912	0.803265	0.934697
Sirt3_j2	1.33592	1.62254	0	1	1
Ifitm2	7.07434	8.04073	0.18473	0.287621	0.635738
Ifitm3	26.686	35.1542	0.397611	0.0006957	0.0106678
Sigirr_j1	0.348393	0.280886	-0.310734	0.577836	0.830014
Sigirr_j6	0.124207	0.0521479	-1.25206	0.347857	1
Rnh1	2.62083	7.11238	1.44031	8.68E-12	1.07E-09
Rnh1	40.3093	74.6681	0.88938	0	0
XLOC_030818	4.99243	5.17245	0.0511048	0.855503	0.954239
Hras1	26.3079	28.8964	0.135394	0.278948	0.627636
Hras1	52.3321	57.2802	0.13034	0.19917	0.542218
Irf7	0.627743	1.07958	0	1	1
Irf7	1.05029	1.2552	0	1	1
Irf7	0.399248	0.535799	0	1	1
Deaf1	0.905572	0.962961	0.0886473	0.677612	0.878807
Deaf1_j1	0.196755	0.015323	-3.68263	0.0713178	0.321068
Pddc1	24.7132	22.8042	-0.115987	0.27794	0.626763
Cend1	171.6	140.872	0	1	1
Slc25a22_j1	0.19308	0	0	1	1
Slc25a22	6.44238	3.72052	0	1	1
Slc25a22_j2	7.96892	6.6783	0	1	1
Lrdd_j3	0.192607	0.0906181	-1.08779	0.0317479	0.192954
Chid1	0.591499	0.485154	0	1	1
Tollip_j1	10.0221	15.6502	0	1	1
Tollip	42.8138	42.5537	0	1	1
2700078K21Rik_j1	18.1505	17.3921	0	1	1
2700078K21Rik_j2	4.20772	3.63295	0	1	1
2700078K21Rik	0.77928	0.503257	0	1	1
Dusp8	8.41097	8.04329	0	1	1
XLOC_030835	0.226898	0.0820329	-1.46777	0.31198	0.656438
XLOC_030835	0.113433	0.0360768	-1.6527	0.260833	1
Ctsd	443.037	507.232	0.195219	0.0376053	0.215137
AK145379_j1	0.0187968	0.078698	2.06584	0.195137	1
Igf2	1.77418	1.10653	-0.681112	0.0017975	0.022959
Igf2	0.205803	0.774924	1.91279	3.09E-06	0.0001118

Th_j5	1.35994	1.03291	0	1	1
Th_j4	0.537431	0.408914	0	1	1
R74862_j1	1.11075	1.22353	0	1	1
Cdkn1c_j1	0.160491	0.325543	1.02036	0.117527	0.426531
Phlda2	0.165002	0.0950314	-0.79601	0.411855	0.730935
Nap1l4_j5	14.7307	7.22393	0	1	1
Tnfrsf22	0.295099	0.233544	-0.3375	0.520763	0.797932
Tnfrsf23	0.47122	0.387694	-0.281485	0.392892	0.718965
Osbp15_j3	0.229898	0.320573	0	1	1
Mrgpre	1.04018	1.14604	0	1	1
Nadsyn1_j4	0.527573	0 -1.79769e+308		5.75E-11	6.12E-09
Nadsyn1_j5	0.535827	0.567238	0.0821863	0.826414	0.944049
Ctnn_j1	25.2464	36.1465	0	1	1
Ctnn	18.0454	22.2879	0	1	1
Ctnn_j3	13.533	20.6453	0	1	1
Ppfia1_j5	3.04392	2.4933	0	1	1
Ppfia1	1.93459	1.70979	0	1	1
Ppfia1	1.98801	1.91157	0	1	1
Fadd	0.847919	0.871627	0.0397846	0.857126	0.95474
Ano1_j3	2.01988	0.873708	0	1	1
Ccnd1	7.05298	6.14132	-0.199684	0.0807169	0.345841
Tpcn2_j1	0.168139	0.179876	0.0973429	0.841637	0.949957
1810010D01Rik_j3	0.221666	0.174844	-0.342319	0.420348	0.736671
Tpcn2	1.09571	0.886119	-0.306295	0.256427	0.60531
Tpcn2_j6	0.814055	0.817675	0.00640205	0.985309	0.995689
Tpcn2	0.866165	0.708639	-0.289592	0.369013	0.702243
Cacng7	58.1967	51.5674	-0.174478	0.0525888	0.266364
Ndufa3	11.4659	11.3267	-0.0176171	0.904731	0.969704
Prpf31_j1	10.7436	10.3432	0	1	1
Rps9	8.15205	9.71462	0.252995	0.290288	0.637671
Leng8_j3	0.0495568	0.0894164	0	1	1
Leng8_j7	4.20784	5.09294	0	1	1
Leng8_j2	0	0.195631	0	1	1
Lilra5	0.117443	0.347437	1.56479	0.0083107	0.0747174
Suv420h2_j2	0	0.0543423 1.79769e+308		0.0893322	1
Suv420h2	4.16517	4.67581	0.166839	0.307752	0.652771
XLOC_029467	0.0434989	0.0834866	0.940566	0.470109	1
Isoc2a_j2	0.0263009	0.0856264	1.70294	0.491969	1
Zfp628_j5	1.92721	1.99162	0	1	1
Nat14_j2	0.651767	0.675194	0	1	1
Zfp524	1.85275	2.29853	0	1	1
Zfp865_j5	0.83451	0.709266	0	1	1
Zfp580_j4	2.61018	2.12524	0	1	1
U2af2_j2	0.1085	0.180337	0	1	1
U2af2_j4	0.124676	0.184657	0	1	1
U2af2_j5	0.328675	0.643889	0	1	1
Epn1	17.079	21.1821	0	1	1

Epn1_j7	10.3143	9.87833	0	1	1
Epn1_j10	26.9158	29.821	0	1	1
Zfp444	0.687999	0.434738	-0.662261	0.0305452	0.187939
Zfp444	0.311586	0.68426	1.13491	0.0002441	0.0045303
Zfp667	0.93316	1.26912	0.44363	0.0562165	0.277405
AK038886_j1	0.152606	0.000534732	-8.15678	0.555371	0.818204
Zfp78_j5	0.355752	0.16196	-1.13524	0.0170555	0.126039
Zfp28_j5	0.210552	0.325254	0.627392	0.264591	0.613408
Zfp28_j4	0	0.0618236	1.79769e+308	0.0318698	1
Zfp28_j9	0.297669	0.487653	0.712147	0.14697	0.47537
Zfp28_j11	0.907049	0.613898	-0.563182	0.129119	0.447817
Olfr1344_j1	0	0.104972	1.79769e+308	0.0352626	1
Gm16532_j1	0.398589	0.240695	-0.727695	0.423099	0.738677
Rps5_j3	0.100478	0.119724	0.252825	0.870663	1
Trim28	5.32165	4.67249	0	1	1
Trim28_j4	20.3308	23.3357	0	1	1
Trim28_j5	0	0.171867	0	1	1
Lig1_j3	2.97141	3.48784	0	1	1
Pla2g4c_j1	0.105345	0.0581426	-0.857462	0.462228	1
XLOC_029494	0.198367	0.175372	0	1	1
XLOC_029494	0.688155	0.808769	0	1	1
Napa_j4	14.3417	19.654	0	1	1
Napa_j3	0	0.0664541	0	1	1
Meis3_j5	5.2378	5.31174	0.0202224	0.939991	0.981798
Zc3h4_j11	2.53594	2.42946	0	1	1
XLOC_029499	0.175275	0.103335	-0.762289	0.508447	0.790369
Strn4_j1	0.502504	0.220618	0	1	1
Strn4_j2	0.750422	0.78121	0	1	1
Prkd2	0.471518	0.539133	0.193328	0.530716	0.80314
Prkd2_j3	0.163448	0.346733	1.08499	0.0884285	0.364215
Prkd2_j4	0.597152	0.590832	-0.0153525	0.982529	0.994674
Gng8_j5	4.52695	4.30526	0	1	1
Gng8_j3	0.32913	0.110738	0	1	1
Gng8_j6	0.927859	1.51594	0	1	1
Ptgir	2.1435	2.13519	0	1	1
Mill2_j3	0.156142	0.354386	0	1	1
Mill2_j2	0.0948993	0.0673127	0	1	1
Mill2_j6	0.0733535	0.156725	0	1	1
Mill2_j7	0.0934387	0.000859282	0	1	1
Pglyrp1_j1	0.77741	0.304106	-1.3541	0.18162	0.521758
Mypop	4.61031	2.7143	0	1	1
Sympk	14.835	17.4566	0	1	1
Sympk_j4	0.533518	0.748115	0	1	1
Dmpk_j1	0.351241	0.454308	0	1	1
Dmpk_j12	0.33904	0.383563	0	1	1
Snrpd2	1.66403	1.95844	0	1	1
Eml2_j4	0.088273	0	-1.79769e+308	0.0099561	1

Eml2_j8	0	0.0472305	1.79769e+308	0.104592	1
Rtn2_j2	0.193067	6.73291	0	1	1
Ercc2_j2	0.0995291	0.132905	0.4172	0.596341	1
Exoc3l2_j3	0	0.140104	1.79769e+308	0.0058663	1
Exoc3l2_j5	0.0655045	0.217469	1.73114	0.055012	0.273595
Trappc6a_j2	0.274278	0.561152	1.03276	0.007461	0.0691063
AK043814_j2	0.118292	0.162645	0	1	1
Zfp180_j1	0.000288597	0.896512	0	1	1
Zfp112_j2	0.243095	0.115711	0	1	1
Zfp112_j3	0.0087873	0.0591423	0	1	1
Zfp93_j1	0.726831	0.500105	-0.539388	0.23624	0.583411
Zfp93	1.88571	1.69027	-0.157848	0.398556	0.722606
1500002O20Rik_j2	4.67066	4.43485	-0.074739	0.648513	0.864697
1500002O20Rik_j3	10.2057	9.54558	-0.0964635	0.460568	0.762108
Plaur_j1	0.565717	3.00543	2.40942	1.10E-07	5.85E-06
Cadm4_j2	7.74523	10.127	0	1	1
Cadm4_j1	8.62992	6.30828	0	1	1
Ethe1_j1	4.20112	3.79796	-0.145552	0.647027	0.863936
Ceacam10_j1	0.658838	0.494626	-0.413586	0.555778	0.818549
Rps19_j5	8.53733	10.1225	0	1	1
Rps19_j6	3.81709	5.37746	0	1	1
Arhgef1_j3	6.48732	7.59625	0	1	1
Arhgef1_j13	6.5172	7.69152	0	1	1
Zfp574_j1	0	0.0498874	1.79769e+308	0.0827166	1
Cic	3.12258	5.76581	0	1	1
Cic_j6	1.41048	3.85238	0	1	1
Tmem145_j1	3.77736	2.82358	0	1	1
Megf8_j3	1.33729	1.58388	0.244153	0.127699	0.445344
Tgfb1_j1	0.863204	1.65025	0.934911	0.0402055	0.224574
RP23-86L13.2	1.16603	1.20172	0.0434972	0.921025	0.975263
Numbl	26.6725	32.3269	0.277383	0.004992	0.0506776
Hipk4	0.253888	0.366365	0	1	1
Akt2_j19	0.0744336	0.110912	0.575394	0.510798	1
Ttc9b_j1	42.3821	44.7078	0	1	1
Gm10046_j1	2.22597	2.01445	0	1	1
Fbl_j1	0.955388	0.988532	0.0492008	0.887261	0.964235
Fbl_j4	0.272424	0.16067	0	1	1
Dyrk1b_j3	1.07382	1.10578	0	1	1
Dyrk1b_j4	0.407004	0.00295563	0	1	1
Paf1	0.872058	0.500219	-0.801864	0.0046664	0.0481859
Lrfn1_j4	3.5457	3.42452	0	1	1
Fbxo27_j3	0.042503	0.125877	1.56638	0.146053	1
Fbxo27_j5	0.108644	0	-1.79769e+308	0.0050831	1
Ech1	27.0179	26.9967	-0.00113094	0.991329	0.997429
Dpf1_j3	0.000523143	0.0819843	7.292	0.637642	1
Dpf1_j7	0.0779166	0	-1.79769e+308	0.0278261	1
Dpf1_j8	0.0541425	0.180256	1.73522	0.223236	0.570235

Zfp790_j2	0	0.186391	0	1	1
Zfp420_j1	0.236914	0.295235	0	1	1
Zfp260_j1	6.62648	5.85481	0	1	1
Zfp382_j4	0.722834	0.509964	0	1	1
Clip3_j1	33.674	28.8192	0	1	1
AI428936_j2	1.43058	0.424663	-1.75221	2.81E-05	0.0007326
AI428936_j1	1.02648	1.26837	0.305271	0.289909	0.637269
AK133438_j1	0.223711	0.238031	0	1	1
AK133438_j2	0.0507733	0.226433	0	1	1
AK133438_j4	0.0831976	0.248048	0	1	1
Gm12784_j2	0.05697	0.130375	1.19439	0.317642	1
XLOC_029650	0.439187	0.490508	0.159442	0.801208	0.933726
Ccdc123	0.202391	0.206776	0.0309276	0.958186	0.988039
Tshz3_j3	0.338436	2.52874	0	1	1
XLOC_029665	0.441638	0.466547	0.0791572	0.806197	0.935928
XLOC_029665	0.609008	0.468494	-0.378432	0.273066	0.622048
Vstm2b_j2	0.88902	0.269036	-1.72442	1.23E-08	8.50E-07
Zfp788	0.166445	0.191781	0	1	1
Zfp788_j5	0.0058582	0.164812	0	1	1
Vsig10l_j2	0.813324	0.68338	-0.251141	0.464894	0.764951
Klk5_j4	0.210334	0 -1.79769e+308	0.0037956	0.0413312	0.0413312
2410002F23Rik_j4	8.67952	11.1862	0	1	1
Shank1_j4	0.517006	0.271859	-0.927324	0.049169	0.255597
Shank1_j3	0.4131	0.344408	-0.262372	0.567612	0.824883
XLOC_029693	4.97002	3.61352	-0.459846	0.0506675	0.260716
Syt3	2.30156	1.08524	0	1	1
Syt3_j7	2.0376	2.09668	0	1	1
Aspdh_j8	0.116368	0.111054	-0.0674392	0.933001	1
Josd2_j2	16.2291	19.7916	0.286303	0.0449618	0.242361
Josd2_j1	1.94402	2.01106	0.0489157	0.853878	0.953758
XLOC_029705	0.0157412	0.0496114	0	1	1
Irf3	0.44887	0.961662	0	1	1
Irf3	5.28293	5.08008	0	1	1
Pih1d1_j1	0.309927	2.37177	0	1	1
Pih1d1_j3	4.57167	2.65981	0	1	1
Tead2	0.718203	0.572524	-0.327056	0.371766	0.704676
Plekha4	0.181104	0.164333	0	1	1
Plekha4_j4	5.25906	6.90089	0	1	1
Hsd17b14_j4	0.0259957	0.108356	2.05944	0.316576	1
Hsd17b14_j5	0.107569	0.192375	0.838655	0.467649	0.766732
Hsd17b14_j6	0.000398242	0.115568	8.18088	0.882905	1
Hsd17b14_j9	0.0504886	0 -1.79769e+308	0.148292	0.148292	1
Bcat2_j1	0.629501	1.88986	0	1	1
Bcat2_j2	4.60325	7.50914	0	1	1
Ntn5_j4	0.0572496	0.020951	-1.45025	0.596586	1
Car11_j7	3.86925	4.84828	0	1	1
Car11	0.575167	1.5333	0	1	1

Dbp_j1	1.31899	1.64287	0	1	1
Lmtk3_j1	0.184339	0.156669	0	1	1
Lmtk3_j3	0.623985	0.578243	0	1	1
Tmem143_j1	2.63691	2.13191	0	1	1
Kcnc1_j3	0.172688	0.216827	0	1	1
Zdhhc13_j2	2.44919	2.17407	-0.171908	0.489801	0.779571
Nav2_j8	0.188559	0.242622	0.363699	0.385753	0.714213
Nav2_j11	0.175595	0.192038	0.129136	0.786586	0.928645
Htati2_j2	1.47476	1.99253	0	1	1
Prmt3_j3	12.6818	12.825	0.0162051	0.894989	0.966853
Luzp2_j4	0	1.3025	0	1	1
Cyfip1_j1	8.44134	8.73374	0.0491276	0.651911	0.866482
Herc2_j2	0.360918	0.231313	0	1	1
Herc2_j5	26.2589	26.4294	0	1	1
XLOC_029760	0.375057	0.4522	0	1	1
Gabrb3	0.0705929	0.106076	0	1	1
XLOC_029765	0.225094	0.144398	-0.64047	0.119749	0.430734
Ube3a_j2	0.404126	0.406674	0.00906662	0.980809	0.994152
Ube3a_j8	3.04405	3.79095	0.316569	0.100349	0.392071
XLOC_029771	0.00012326	0.573126	12.1829	0.947047	0.984332
Mtmr10_j2	0.157173	0.167752	0	1	1
Mcee_j4	4.69247	5.79255	0.30385	0.258131	0.606747
Apba2_j1	0.0829181	0.1936	0	1	1
Apba2_j3	0.611719	0.495633	0	1	1
Tarsl2_j1	2.02091	2.74685	0	1	1
Tm2d3	2.29773	1.99544	-0.203505	0.551284	0.815768
Pcsk6_j3	0.301918	0.325003	0.1063	0.85589	0.95442
Snrpa1	1.13933	0.928159	-0.295745	0.499962	0.784934
Lins2_j5	5.61E-05	0.156393	0	1	1
Lins2_j4	0.21161	0.0947201	0	1	1
Lins2	0.723951	1.91613	0	1	1
Lins2_j3	0.29762	0.634131	0	1	1
Lysmd4	0.889555	0 -1.79769e+308		2.71E-18	7.30E-16
Ttc23_j1	0.59914	0.827387	0	1	1
Igf1r_j1	3.77183	3.34006	-0.175388	0.144669	0.472042
BC070425_j4	0.183347	0.299826	0.709548	0.247476	0.595007
Rgma_j1	0	0.100782	0	1	1
Akap13_j11	4.79574	4.94617	0.0445575	0.697061	0.888506
Isg20_j1	0.0043518	0.635893	7.19103	0.260251	0.608919
Isg20	1.20035	1.30868	0.124659	0.671279	0.875757
Zfp710_j2	4.55619	4.90843	0.107432	0.378414	0.710052
XLOC_029814	0.0333838	0.0474667	0.507765	0.812553	1
Sema4b_j2	0.263654	0.457399	0.794809	0.0981933	0.387323
Prc1	0.564486	1.3533	0	1	1
Prc1_j1	0.309283	0.64975	0	1	1
Hddc3	0.4842	0.443972	-0.125133	0.762023	0.918069
Hddc3_j1	0.437212	0.559713	0.356355	0.437622	0.747795

XLOC_029821	0.195129	0.191755	-0.0251617	0.962957	0.989715
Zscan2	0.119013	0.178498	0	1	1
Pde8a_j1	0.34394	0.297084	-0.211283	0.683539	0.881559
AK013794_j1	0.140631	0.205483	0.547102	0.63022	0.856283
Fam103a1_j3	0.575641	0.469953	-0.292652	0.504401	0.787686
Sh3gl3	0.749256	0.490533	-0.611109	0.214989	0.560555
Sh3gl3_j3	0.845582	0.723252	-0.225446	0.655022	0.868237
Adamts13_j6	0.513612	0.45439	-0.176748	0.613257	0.847467
Eftud1	1.4785	1.19805	0	1	1
Mesdc2	6.21105	6.86372	0	1	1
Me3_j3	1.12683	0.63102	-0.836507	0.0706878	0.319602
Me3_j4	1.40752	1.30047	-0.114121	0.7476	0.912113
Picalm	3.70183	3.36054	-0.139543	0.45797	0.760743
Sytl2_j2	26.4522	33.9957	0	1	1
Sytl2_j6	13.1344	21.341	0	1	1
Dlg2	2.26702	2.34754	0	1	1
Odz4_j9	0.272855	0.258024	-0.0806282	0.868017	0.958216
Odz4_j11	1.02878	0.706665	-0.541835	0.0104662	0.0884052
Kctd21_j1	3.00207	2.82733	0	1	1
Alg8_j2	0.284511	0.361278	0.344626	0.566401	0.824486
Alg8_j4	0.0711195	0 -1.79769e+308	0.0852988	0.0852988	1
Ints4_j4	1.90549	1.29392	-0.558413	0.0271568	0.174053
Ints4_j3	0.0860893	0.0662746	-0.377378	0.702896	1
Pak1_j1	0.337538	0 -1.79769e+308	1.70E-05	0.0004866	0.0004866
Arrb1_j2	1.52806	2.82326	0	1	1
Arrb1_j9	24.1492	30.7686	0	1	1
Pgm2l1	14.9951	20.8439	0	1	1
P4ha3_j1	0.0832314	0.21821	1.39052	0.166133	0.502787
Ucp2_j1	0.197703	0.146222	-0.435177	0.658719	0.870342
Rab6	78.5766	69.3181	0	1	1
Rab6_j1	114.697	106.747	0	1	1
Pde2a	5.48353	4.68292	-0.227697	0.104683	0.401565
Numa1_j6	0.0210015	0.0734163	0	1	1
Numa1_j9	0.345071	0.388715	0	1	1
Trpc2_j4	0.238964	0.403995	0.757546	0.176925	0.516004
Pgap2_j1	0	0.0579749	0	1	1
XLOC_029910	0.818884	0.768932	0	1	1
Stim1_j6	4.03804	2.25905	0	1	1
Trim6_j2	0.165735	0.122995	-0.430278	0.686213	0.883052
Trim6_j7	0.131616	0.0472212	-1.47883	0.217042	1
XLOC_029922	0.235914	0.210756	-0.162684	0.813619	0.939161
Dnhd1	0.073683	0.0508674	-0.534591	0.619482	1
Dnhd1_j12	0.134267	0.210933	0.651677	0.382859	0.712805
Ilk	2.40365	0.615801	0	1	1
Ppfibp2_j12	0.919078	0.900042	-0.030195	0.941761	0.982257
AK007082	0.487136	0.641608	0	1	1
Rpl27a_j1	11.6491	16.7569	0	1	1

Swap70_j1	0	0.0711659	1.79769e+308	0.0226241	1
Ampd3_j1	7.28267	8.66446	0	1	1
Ampd3_j5	6.78622	8.21896	0	1	1
Mical2_j8	1.11925	1.5671	0.485564	0.326277	0.669409
Parva	21.6681	20.071	0	1	1
Tead1_j1	0.153789	0.108355	-0.505186	0.609954	0.846292
Tead1_j2	0.102892	0.282115	1.45515	0.0916825	0.372083
Arntl_j8	0.047905	0.138457	1.53119	0.150292	1
Far1	3.9194	1.69476	0	1	1
XLOC_029959	2.61482	7.02544	1.42588	0.068969	0.314824
AK045786_j2	0.39451	0.327203	-0.269877	0.781292	0.926119
Tmc5_j6	0.0937334	0.408646	2.12422	0.0916501	0.372013
6330503K22Rik	7.52282	6.65495	-0.176845	0.161554	0.496458
2610020H08Rik_j2	0.145401	0.193059	0.409002	0.660754	0.871356
2610020H08Rik_j3	0.0870219	0.0917385	0.0761486	0.919199	1
Lymr1_j3	3.42493	4.44738	0	1	1
Tmem159_j2	0.000332465	2.37721	12.8038	0.874595	0.960128
BC030336_j2	1.4575	1.41879	-0.0388346	0.884167	0.963322
Eef2k_j1	1.83345	2.33329	0	1	1
Polr3e	0.725414	0.0971993	0	1	1
Mettl9_j3	1.12	0.751491	-0.575676	0.353724	0.68999
Otoa_j2	1.49512	1.80038	0.268044	0.522391	0.798868
Hs3st2_j2	15.1945	8.56144	0	1	1
Plk1_j3	0.559613	0	-1.79769e+308	0.0124217	0.100682
Plk1_j11	0	0.132074	1.79769e+308	0.0849431	1
2010110P09Rik_j1	3.47343	4.20052	0	1	1
2010110P09Rik_j3	1.3235	1.80151	0	1	1
Rbbp6_j1	0.00162607	0.333631	0	1	1
Rbbp6_j3	0.883229	1.34144	0	1	1
AK140221	1.51433	1.33792	-0.178686	0.373245	0.706161
Tnrc6a_j3	1.28909	1.44826	0	1	1
Slc5a11_j5	0	0.0791002	0	1	1
Slc5a11_j4	0.168263	0	0	1	1
Slc5a11_j14	0.179751	0	0	1	1
Hs3st4_j2	1.01872	1.23281	0.275195	0.345701	0.684965
Il4ra_j1	9.60564	15.8411	0	1	1
XLOC_030000	0.177082	0.141091	0	1	1
Rabep2_j3	1.38201	1.34858	-0.0353297	0.87011	0.958679
Ccdc101_j1	8.15833	9.32683	0.193112	0.149552	0.479064
Bola2	3.88658	4.31992	0.152503	0.139309	0.464195
Mapk3	520.641	570.905	0.132962	0.150796	0.481561
Mapk3_j2	10.8252	11.1764	0.046058	0.774569	0.923737
Tbx6_j1	0.32474	0.538439	0.729499	0.0296542	0.184361
Hirip3_j1	0.877224	1.03695	0.241335	0.157097	0.490842
Prr14	8.10423	8.87564	0.131176	0.271698	0.620539
Srcap_j9	1.9909	1.35317	-0.557074	1	1
BC048731_j1	4.56964	4.72145	0.0471512	0.724133	0.901854

Phkg2	3.34506	3.3617	0.00715768	0.965429	0.990079
Phkg2_j3	0.577708	0.578447	0.00184463	0.998006	0.999228
Fbxl19_j7	1.10362	1.1776	0	1	1
Setd1a_j1	4.28073	4.71909	0	1	1
Hsd3b7_j2	5.42906	6.10313	0	1	1
Zfp646	0.823983	1.02983	0.321727	0.120242	0.431782
Myst1_j2	0	0.145681	1.79769e+308	0.0750216	1
Fus	12.4371	13.9878	0	1	1
Fus	0	0.0930693	0	1	1
Itgam_j4	0.0790976	0.0798186	0.0130923	0.9907	1
Inpp5f	0.0965384	0.180748	0.904809	0.078603	0.340034
Ppapdc1a_j1	0.145051	0.172065	0.246397	0.794852	0.931484
Tacc2_j8	8.71431	6.17666	0	1	1
Tacc2_j10	6.64117	8.38042	0	1	1
Btbd16_j1	0.0804921	0.0633402	-0.345725	0.729757	1
Htra1_j3	0	0.0916745	1.79769e+308	0.126905	1
Pstk	7.42619	7.0916	0	1	1
Pstk_j1	2.64428	2.82126	0	1	1
Acadsb_j1	8.2606	8.03289	0	1	1
Lhpp_j3	0	0.404362	1.79769e+308	0.0023216	0.0280876
Zranb1_j5	2.86628	3.75693	0	1	1
Zranb1_j3	2.63232	3.0573	0	1	1
2700050L05Rik_j3	0.343573	0.608922	0	1	1
Fank1	0.030152	0.319146	0	1	1
XLOC_030062	0.108429	0.119232	0.137019	0.884853	1
Glrx3_j4	11.179	11.0861	-0.0120467	0.944164	0.983317
Glrx3_j9	10.2884	10.1548	-0.018858	0.910561	0.971869
XLOC_030069	0.256485	0	-1.79769e+308	0.0002823	0.0050832
Ppp2r2d_j1	0.946419	1.16655	0	1	1
Ppp2r2d	1.70138	1.84152	0	1	1
Ppp2r2d_j6	25.2928	26.3823	0	1	1
Jakmip3_j7	0.22342	0.374293	0.744411	0.208962	0.553156
Pwwp2b_j1	2.07812	2.99448	0.527024	0.13096	0.450516
Mtg1_j3	6.05499	7.02689	0.214761	0.0797748	0.343208
Ric8_j1	34.7662	47.1753	0	1	1
Ifitm1	0.15954	0.254632	0.674496	0.421261	0.737396
B4galnt4	4.72256	5.24804	0.15221	0.252144	0.600172
Pkp3_j2	0.0270537	0.0833469	1.6233	0.361953	1
Rassf7_j5	0.0297484	0.118636	1.99566	0.184437	1
Phrf1_j7	4.67305	5.19458	0	1	1
Eps8l2	0.403451	0.247848	-0.702938	0.0668783	0.309137
Taldo1_j1	24.6782	35.4178	0	1	1
Rplp2_j2	1.37647	1.70525	0.309003	0.5186	0.796493
Rplp2_j4	1.29194	1.4133	0.129534	0.763198	0.918454
Rplp2_j8	0.196899	0.0408726	-2.26825	0.0648339	0.302875
Cd151_j10	2.57343	2.60008	0	1	1
Ap2a2_j3	9.83783	21.8686	0	1	1

XLOC_030107	0.139906	0.185981	0.410697	0.596032	0.839157
Brsk2_j4	8.38755	8.78247	0	1	1
Brsk2_j3	5.39888	6.37615	0	1	1
Brsk2_j9	0.451885	0.131313	0	1	1
Lsp1_j1	3.78E-05	0.172205	12.1548	0.969528	0.991454
Cd81_j6	1.18875	1.29881	0	1	1
Cd81_j1	7.62139	7.42262	0	1	1
Kcnq1_j4	0.0784816	0.0574703	-0.449539	0.563898	1
Dhcr7_j5	37.6633	38.2444	0.0220908	0.810492	0.937901
Oscar_j1	0.156672	0.256194	0.709488	0.116651	0.424687
Tfpt_j4	3.0675	3.12496	0.0267766	0.880218	0.961793
Tmc4_j5	0.890288	1.01811	0	1	1
Lair1	0.334184	0.667419	0.997952	0.0023325	0.0281892
Cdc42ep5	2.64368	2.38147	0	1	1
Rdh13_j4	0.651117	0.000623679	0	1	1
Ppp1r12c_j2	0.583762	0.371104	0	1	1
6030429G01Rik_j7	0.0532887	0.0565001	0.0844243	0.958577	1
6030429G01Rik_j12	0.372438	0.370853	-0.00615638	0.989249	0.996615
Syt5_j3	18.8024	21.8813	0	1	1
Ppp6r1_j1	0.153004	0.115501	0	1	1
Ppp6r1_j6	0.101119	0	0	1	1
Hspbp1	12.8966	13.4234	0	1	1
Cox6b2_j1	0.102458	0.0982275	-0.0608401	0.975791	1
Cox6b2_j2	0.0731114	0.478702	2.71096	0.0667909	0.308908
Shisa7_j3	0.0602375	0 -1.79769e+308		0.0015381	1
Shisa7_j4	0.277743	0.232621	-0.255771	0.464233	0.764606
Zfp579_j3	2.2792	3.59437	0.657211	0.0425749	0.233262
Fiz1	1.86573	2.80399	0	1	1
AK080857_j2	0.784007	0.658911	0	1	1
Zfp583_j5	1.22058	2.28687	0.905806	0.129959	0.44894
Zfp772_j1	4.1269	4.33617	0	1	1
Zfp772_j2	1.03019	1.21597	0	1	1
Clcn4-2_j7	5.05925	6.74167	0	1	1
Clcn4-2_j4	0.325333	1.09294	0	1	1
Zscan18_j1	0	0.688085 1.79769e+308		2.12E-05	0.0005803
Zfp329_j4	0.622485	0.86974	0.482544	0.0712461	0.320953
Ube2m_j5	0.242793	0.112157	0	1	1
Ube2m_j6	37.8704	40.3483	0	1	1
XLOC_030175	0.10274	0.127012	0.305977	0.784379	1
Sepw1_j5	2.78359	3.63197	0.383806	0.236219	0.583411
Ehd2_j1	0.402235	0.582835	0.535049	0.124145	0.439098
Gltscr1_j1	0.19455	0.239485	0	1	1
Gltscr1_j5	0.246711	0.133137	0	1	1
Ccdc9_j3	0.0610612	0 -1.79769e+308		0.0073108	1
Sae1	41.2773	42.9143	0.0561108	0.537203	0.807392
Fkrp	7.96474	5.86432	0	1	1
9330104G04Rik	0.538853	0.659024	0.290438	0.40872	0.729001

Calm3_j1	332.936	329.539	0	1	1
Calm3	11.6879	10.3653	0	1	1
Qpctl_j2	0.0823099	0.0923422	0	1	1
Mark4_j3	0.41954	0.202877	0	1	1
Bloc1s3_j1	1.21532	0.519324	-1.22662	0.00807	0.0730665
Lrrc68_j3	0.335654	0.308107	0	1	1
Gemin7	5.07537	6.55417	0	1	1
Clasrp_j9	1.24745	0.8575	-0.540779	0.125295	0.440957
Clasrp_j2	4.44144	4.8251	0.119532	0.428899	0.742566
Clasrp_j11	0.400439	0.641536	0.679948	0.173424	0.511266
Tomm40_j1	60.2083	64.2739	0	1	1
Bcl3_j2	1.63272	1.93141	0	1	1
Zfp111_j2	0.477005	0.377479	-0.33761	0.207233	0.551728
Zfp61_j5	0.11389	0.233329	1.03473	0.24721	0.594761
Zfp94_j3	0.357132	0.106906	-1.74011	0.0105048	0.0886544
Zfp94	0.0473916	0.060177	0.344582	0.717321	1
Zfp575_j2	1.24884	0.988198	-0.33772	0.535515	0.80631
Atp1a3_j2	2.24227	1.80515	0	1	1
Grik5_j1	5.23423	4.84427	-0.111698	0.396806	0.721313
Dedd2_j4	0.0139532	1.76275	0	1	1
Gsk3a_j5	18.2264	19.4524	0	1	1
Gsk3a_j1	2.06482	1.16371	0	1	1
Gsk3a_j2	5.97649	7.36092	0	1	1
Pafah1b3_j1	5.00214	7.37914	0.560906	0.0067312	0.0638516
Ceacam1_j1	0.389698	0.442832	0	1	1
Tmem91_j2	0.0699619	0.123288	0.817386	0.538115	1
Cyp2s1_j1	0.292553	0.318705	0.123522	0.806058	0.935898
Shkbp1_j1	2.93229	3.0381	0.0511415	0.865584	0.957106
Shkbp1	2.24905	2.90705	0.370238	0.0668784	0.309137
Spnb4_j11	0.0627282	0.0863241	0.460649	0.684911	1
Spnb4_j12	0.0879888	0.0289803	-1.60225	0.208478	1
Pld3_j1	46.3298	59.3316	0	1	1
Map3k10_j1	3.05532	2.98131	0	1	1
Map3k10_j2	5.82955	6.17889	0	1	1
Map3k10_j5	3.90984	4.01353	0	1	1
XLOC_030260	0.72985	0.821419	0.170519	0.587675	0.835072
XLOC_030260	0.786221	0.601854	-0.38552	0.401133	0.72452
1700049G17Rik_j2	0.212784	0.101907	-1.06214	0.388012	0.71554
Zfp780b_j4	0.144659	0.144372	0	1	1
XLOC_030263	0.855482	0.905255	0	1	1
Supt5h_j5	0.0284791	0.103995	0	1	1
Plekhg2	0.112162	0.392638	0	1	1
Med29	2.1998	2.37097	0.108101	0.536237	0.806648
Fam98c_j2	0.279346	0.330906	0.244369	0.748216	0.912349
Fam98c_j3	0.581248	0.595582	0.0351459	0.920804	0.97524
Sipa1l3_j1	0.775654	0.180286	-2.10513	7.08E-09	5.09E-07
Zfp14_j5	0.000905204	0.126133	0	1	1

Tbcb_j2	7.37063	10.4599	0.505008	0.0307486	0.188828
Wdr62_j2	0.204978	0.203856	-0.00791675	0.990614	0.997044
Wdr62_j11	0.208853	0.177078	-0.238105	0.618938	0.850446
Arhgap33_j3	0.169243	0	0	1	1
BC053749_j1	0.089442	0.138914	0.63517	0.37508	1
Lin37_j1	1.60149	1.58744	0	1	1
Lin37	4.85938	4.54018	0	1	1
Rbm42_j7	0.120704	0.0912977	-0.402818	0.715957	1
Tmem147_j2	0.242563	0.157095	-0.626726	0.536203	0.806638
Tmem147	0.0211343	0.0796188	1.91352	0.379574	1
Usf2_j6	0.972842	0.676257	0	1	1
Usf2_j10	0	0.0850139	0	1	1
Lsr_j2	0.295319	0.0710275	-2.05583	0.040479	0.225632
Fxyd5_j3	0.0468958	0.103643	0	1	1
Fxyd5_j4	0.595942	0.544173	0	1	1
Hpn_j7	0	0.0760224	1.79769e+308	0.040088	1
Scn1b_j2	166.472	148.003	-0.169649	0.0593491	0.286424
Scn1b_j5	2.10461	1.53237	-0.457788	0.204052	0.548285
Gramd1a_j1	12.0341	17.9544	0	1	1
Gpi1_j5	0.0605295	0.0810716	0	1	1
Gpi1_j6	0.102571	0.0865839	0	1	1
4931406P16Rik_j4	1.56331	1.55899	0	1	1
4931406P16Rik_j5	0.0467046	0.147439	0	1	1
Lrp3_j1	1.56267	1.32134	0	1	1
Pdcd5_j1	0.105705	0.0609954	-0.79327	0.522156	1
Pdcd5_j3	1.72241	2.17493	0.336537	0.329282	0.671533
Zfp507_j5	0.352224	0.470428	0	1	1
Pop4_j4	5.94754	6.68903	0	1	1
AK049985_j1	1.76111	1.4251	-0.305423	0.339294	0.679562
AK081136_j4	0.131195	0.0397296	-1.72342	0.138506	1
Igln5_j1	0.913642	0.380336	-1.26436	0.0150349	0.115104
AK134755_j3	0.0423733	0.0602976	0.508947	0.701731	1
AK134755_j4	0.0695176	0	-1.79769e+308	0.0592667	1
1700028J19Rik_j4	0.106841	0.121125	0.181027	0.890297	1
1700008O03Rik_j1	1.0349	0	0	1	1
2310044H10Rik	0.765245	0.502799	-0.60594	0.0222932	0.151997
2310044H10Rik_j3	76.5448	80.2654	0.0684734	0.549025	0.814496
Pold1_j4	0	0.132602	0	1	1
Nr1h2_j2	6.57101	9.832	0	1	1
Myh14_j8	1.51282	1.58275	0	1	1
Atf5_j1	24.6236	34.8015	0	1	1
Tbc1d17_j1	0.487238	0.694365	0	1	1
Ptov1_j5	0	0.561025	0	1	1
Ap2a1_j5	0	0.160067	0	1	1
Prmt1_j2	0.898954	1.07349	0	1	1
Prmt1_j1	0.20746	0.367692	0	1	1
Scaf1_j6	15.4288	22.0524	0	1	1

Scaf1_j7	6.88491	7.88596	0	1	1
Prr12_j5	4.61241	4.73969	0	1	1
Fcgrt_j1	0.133684	0 -1.79769e+308	0.0066323		1
Rps11_j3	53.7594	61.9297	0.204114	0.0913113	0.37138
Rpl13a_j8	20.9001	21.4701	0.0388172	0.794822	0.931484
Flt3l_j11	0.337783	0.679615	1.00862	0.0368426	0.212311
Flt3l_j15	0.196642	0.446824	1.18413	0.129465	0.448434
Cd37_j5	0	0.110482 1.79769e+308	0.0795377		1
Trpm4_j2	3.49791	3.66427	0	1	1
Ppfia3_j1	6.50042	7.5045	0	1	1
Snrnp70_j2	0.847223	0.49235	0	1	1
Ruvbl2_j4	8.07752	11.9424	0	1	1
Ftl1_j3	7.64085	11.0022	0.525985	0.0156013	0.118086
Dhdh_j3	0.760062	0.521336	0	1	1
Nucb1_j2	5.54597	6.23357	0	1	1
Fgf21	0.146313	0.169978	0.216292	0.775522	0.923813
Sphk2_j1	0.1968	0.163586	0	1	1
Sphk2	3.91501	4.56377	0	1	1
Sult2b1_j4	0.405293	0.211602	-0.937609	0.240106	0.587445
Cyth2_j3	5.67694	8.23696	0	1	1
Grwd1	6.67174	7.75669	0.217378	0.114784	0.421534
Abcc8_j3	2.22581	1.4525	-0.615794	0.10456	0.40124
Sergef_j3	1.44637	2.19218	0.599929	0.0321948	0.194595
Saal1_j2	0.988003	0.697824	-0.501653	0.0821564	0.349173
Hps5	1.11026	1.22701	0	1	1
Tsg101_j5	0	0.889188 1.79769e+308	0.0002651	0.0048338	
XLOC_030427	5.02288	4.51578	0	1	1
XLOC_030427	13.4767	10.5949	0	1	1
XLOC_030431	1.16595	1.1576	0	1	1
XLOC_030431	3.61882	3.03136	0	1	1
Mrgpra3	5.71191	4.09582	0	1	1
XLOC_030432	0.337151	0.346015	0	1	1
XLOC_030433	0.0523238	0.177587	0	1	1
XLOC_030433	0.168389	0	0	1	1
XLOC_030436	0.0497287	0.0966026	0.957983	0.676535	1
XLOC_030443	0.0821223	0.0278859	-1.55824	1	1
Gabra5	1.00685	1.24836	0	1	1
Gabra5_j5	0.706414	0.523036	0	1	1
lpw_j4	1.95842	1.59399	-0.297054	0.250129	0.597712
Snrpn_j6	0.222041	0.039358	0	1	1
Snrpn_j7	0	0.15797	0	1	1
Snrpn_j13	19.7907	19.4932	0	1	1
Klf13_j1	1.44186	0.343796	-2.0683	1.71E-10	1.64E-08
Mphosph10	2.08619	2.34726	0.170102	0.416372	0.733896
Tjp1_j7	2.25091	2.52489	0.165713	0.375483	0.707763
Lrrk1_j1	0.204206	0.297881	0.544713	0.15955	0.493978
AK038598_j10	0.0603992	0.00916706	-2.72	0.458103	1

Lrrc28_j1	0.0454721	0.192224	0	1	1
AK014683_j2	0.070008	0.0326635	-1.09984	0.580088	1
XLOC_030489	0.0556217	0.090336	0.699653	0.729029	1
Mctp2_j4	0.0964464	0.0841562	0	1	1
Chd2_j8	4.01557	4.02766	0.00433991	0.975047	0.992833
Sv2b_j1	1.60378	1.28951	0	1	1
Sv2b_j2	0.553361	0.274651	0	1	1
Det1_j1	0.25831	0.446635	0.789994	0.0347056	0.204618
Det1_j4	0.191996	0.351471	0.872328	0.0389397	0.220034
Det1	1.42978	1.26574	-0.175808	0.484194	0.776305
Hapln3_j2	0.167881	0.235815	0.490217	0.400498	0.723924
Mfge8_j2	0.279937	0	0	1	1
Rlbp1	0.379142	0.60427	0	1	1
Polg_j1	1.30394	1.35389	0	1	1
Polg_j2	0.0637518	0.105848	0	1	1
Polg_j5	2.66391	2.33655	0	1	1
Kif7_j1	0.440444	0.369883	-0.25189	0.666989	0.874037
Idh2_j2	2.09342	2.19819	0	1	1
Rccd1	0.626268	0.473524	0	1	1
Unc45a_j3	5.27787	4.36671	0	1	1
Unc45a	9.99247	10.1887	0	1	1
Man2a2_j1	8.64591	12.2284	0	1	1
Fes_j5	0.0419114	0.0811485	0.953223	0.557094	1
Fes_j7	0.168466	0.295256	0.809514	0.0919564	0.372915
Furin_j1	0.291022	0.228876	0	1	1
Blm_j5	0.422567	0.403204	-0.0676678	0.892061	0.965725
Blm_j6	0.559311	0.530333	-0.0767522	0.78578	0.928253
Wdr73	3.07779	3.03413	0	1	1
Sec11a_j2	11.6789	14.8879	0.350234	0.030984	0.189775
Rps17_j6	0.649692	1.19196	0.875506	0.0327346	0.196929
Cpeb1_j4	13.3108	8.63722	0	1	1
vesl-2_j3	0	0.332498	0	1	1
3110040N11Rik_j3	0.313252	0.179789	-0.801014	0.47323	0.770054
3110040N11Rik_j4	1.47201	1.84874	0.328753	0.258359	0.607047
Btbd1_j1	0.260118	0.222977	-0.22227	0.595609	0.838891
Fam154b	2.68804	2.12432	0	1	1
Il16_j3	0.149771	0 -1.79769e+308		1.18E-10	1.19E-08
9930013L23Rik_j2	0.164647	0.355416	1.11013	0.010144	0.0864174
9930013L23Rik_j7	0.0640492	0 -1.79769e+308		0.0014664	1
Arnt2_j2	7.31568	9.14202	0	1	1
Fah_j1	0.250633	0.488659	0	1	1
Zfand6_j2	0.198238	0.472963	0	1	1
I7Rn6	13.0495	14.3679	0.138864	0.405671	0.727324
Ankrd42_j3	2.24454	2.31581	0.0450963	0.863471	0.956634
Ankrd42	0.0532612	0.0610133	0.196038	0.772581	1
Usp35	1.82873	3.77442	0	1	1
1810020D17Rik	6.44987	4.51295	-0.515199	0.0299737	0.185644

1810020D17Rik	3.59008	2.98187	-0.267797	0.414279	0.732813
Capn5	34.0021	29.8073	0	1	1
Acer3_j1	0.345472	0.359705	0.0582468	0.854788	0.954015
2210018M11Rik_j5	0.699804	0.673142	0	1	1
2210018M11Rik_j6	0.201542	0.173274	0	1	1
AK052909_j1	0	0.0766977	1.79769e+308	0.114961	1
Uvrag_j2	0.0552661	0.0445587	0	1	1
Dgat2_j1	0.321215	0.0365631	-3.13508	0.0202508	0.142102
Neu3	0.506517	0.403741	-0.327178	0.272285	0.621103
Relt_j2	0.337827	0.15685	0	1	1
Relt_j3	1.04882	0.210221	0	1	1
Relt	4.03267	1.16815	0	1	1
P2ry6_j1	0.293231	1.10148	1.90934	5.92E-06	0.0001962
P2ry2	2.43796	2.31746	0	1	1
Atg16l2_j7	0.0795104	0.111805	0.491768	0.410525	1
Atg16l2_j14	0.17311	0	-1.79769e+308	0.0010563	0.0149067
Inpp1	0.953982	1.01611	0	1	1
Lrrc51	1.51093	2.01449	0.414985	0.0439364	0.238677
Rnf121_j4	2.47369	2.57575	0	1	1
Nup98_j1	1.34534	1.452	0	1	1
Trim68_j1	0.741279	0.503065	-0.55927	0.257492	0.606278
Trim12a_j3	0.360421	0.375808	0.0603103	0.902964	0.969047
9230105E10Rik_j2	0	0.0510199	1.79769e+308	0.0979679	1
9230105E10Rik_j4	0.270397	0.158498	-0.770611	0.346351	0.685483
Apbb1_j1	0.423183	0.893448	0	1	1
Apbb1_j2	0.0829337	0.00202144	0	1	1
Apbb1_j3	0.936397	0.0319453	0	1	1
Arfip2	12.6259	14.0202	0	1	1
Rrp8	6.34717	6.16056	-0.0430506	0.757083	0.916197
Dchs1_j5	0.129673	0.297621	1.1986	0.0343788	0.203282
Cyb5r2_j7	0.00511555	0.0594596	3.53895	0.701291	1
Stk33_j4	0.429902	0.150077	0	1	1
Stk33_j5	0.292196	0.524964	0	1	1
Stk33	0.216249	0.466499	0	1	1
Gm9105	9.5219	10.1358	0	1	1
Ascl3_j1	0.24259	0.236565	-0.0362783	0.941339	0.982153
Nrip3_j1	19.5229	23.8655	0	1	1
Dennd5a_j1	2.37712	3.04926	0	1	1
Tmem41b_j1	3.15	3.34895	0.0883572	0.574406	0.828005
Tmem41b_j5	1.03551	1.02018	-0.0215248	0.948558	0.98513
Sbf2_j1	1.41579	2.42269	0	1	1
Sbf2_j6	0.771137	0.93101	0	1	1
Rnf141_j1	6.62487	6.52856	0	1	1
Rnf141_j6	0.171614	0.11251	0	1	1
Lyve1_j1	0.380478	0.375116	-0.0204746	0.962327	0.989496
Mrv1_j1	0.815	0.566379	-0.525032	0.064736	0.30253
Eif4g2_j3	4.92819	6.25969	0	1	1

Eif4g2_j4	0.0248849	0.0519067	0	1	1
Galnt14_j2	0.882735	2.55608	0	1	1
AK009335_j2	0.228518	0.310294	0.441326	0.171058	0.507955
AK009335_j1	0.172392	0.197679	0.197468	0.8181	0.940994
Btbd10_j3	6.46231	4.26108	0	1	1
Calca_j10	0.896624	1.61421	0	1	1
Calca_j11	23.2393	33.1924	0	1	1
Calca	0.851987	1.2396	0	1	1
Rps15a_j4	0.553483	0.226258	0	1	1
Rps15a_j3	0	0.221542	0	1	1
Smg1_j1	7.5427	8.06656	0.0968723	0.356633	0.692586
Smg1_j2	2.64164	2.40044	-0.138136	0.258273	0.60698
Smg1_j3	0.850645	0.701038	-0.279065	0.430418	0.743173
Tmc7_j1	2.6298	3.75756	0	1	1
Gde1_j4	21.9083	25.1569	0	1	1
2310008H09Rik_j1	0.112651	0.0499165	0	1	1
XLOC_030686	0.0471697	0	-1.79769e+308	0.049606	1
XLOC_030686	0.336759	0.0873788	-1.94636	0.0590376	0.28563
Dcun1d3_j1	0.0614523	0.0656884	0.0961716	0.873492	1
AK018490	1.7162	1.33109	-0.366608	0.110156	0.412969
Ndufab1_j2	0.805769	0.477272	0	1	1
Arhgap17	4.334	3.96584	0	1	1
Zkscan2_j5	0.167377	0.234155	0.48436	0.458873	0.761335
Nsmce1_j1	2.85729	2.29681	-0.315019	0.280238	0.629039
Xpo6_j2	0.339242	0.445659	0	1	1
Xpo6_j3	1.68881	2.45576	0	1	1
AK043947_j1	0	0.0617362	0	1	1
AK043947	0.591833	0.390187	0	1	1
Lat_j2	0.136865	0.0916944	-0.577847	0.630473	1
Spns1_j2	2.21376	3.36147	0.602591	0.0751649	0.330958
Nfatc2ip	0.917924	0.758484	-0.275254	0.30599	0.651373
Sh2b1_j3	0.901187	0.676993	0	1	1
Sh2b1_j2	3.43828	1.7379	0	1	1
Sh2b1	2.28009	4.48362	0	1	1
Atxn2l_j6	0.400264	0.495097	0	1	1
Atxn2l_j5	9.79021	12.2382	0	1	1
Atxn2l	4.65316	5.24534	0	1	1
Cln3_j1	4.35772	5.23007	0.263259	0.13579	0.458482
Coro1a_j8	51.0603	51.2159	0.00439001	0.963086	0.989724
Taok2_j4	2.48389	3.16311	0.348739	0.0049536	0.0503825
Taok2_j5	2.88173	2.66027	-0.115364	0.359041	0.694329
Mvp_j11	8.47912	8.81096	0	1	1
Maz_j3	11.763	22.2245	0	1	1
Maz_j4	22.5229	23.6676	0	1	1
Kif22_j1	2.28777	7.43659	0	1	1
Kif22_j2	0.352977	0.363201	0	1	1
Qprt_j1	0.111832	0.29839	1.41586	0.0871847	0.361107

Cd2bp2_j1	3.41998	5.97779	0	1	1
Zfp747_j1	0.217569	0.111954	-0.958562	0.198692	0.541904
E430018J23Rik_j1	0.196734	0.314554	0.677061	0.297171	0.643783
Gm166	0.328799	0.276763	-0.248552	0.394214	0.719811
Gm166_j2	0.377287	0.253695	-0.572566	0.0799165	0.343618
XLOC_030751	0.0832748	0.0697451	-0.255788	0.852113	1
Zfp668_j4	0.738944	0.52971	-0.480263	0.0567102	0.278572
Prss53_j5	0.213152	0.234998	0.140764	0.691337	0.885702
Prss36	1.96111	1.54666	-0.342512	0.342868	0.682746
Prss36_j1	2.77133	2.41955	-0.195838	0.527175	0.801445
Cox6a2	0.183867	0.238923	0.377884	0.718134	0.898528
Nsmce4a_j1	14.2341	14.7917	0.0554309	0.691538	0.885739
2310057M21Rik	0.193167	0.173581	-0.154233	0.694063	0.887065
Chst15	0.90436	0.625553	0	1	1
AK080057_j2	0.220199	0.199349	-0.143509	0.848571	0.952118
Mettl10_j7	0.932064	0.71309	-0.386345	0.136376	0.459374
Mettl10	2.34222	1.58339	-0.564864	0.0638074	0.299602
Ctbp2_j7	1.70434	2.04747	0	1	1
Uros	3.02156	3.01839	0	1	1
Dhx32_j1	3.49585	4.69066	0	1	1
Dhx32	3.89705	3.68307	0	1	1
D7Ertd443e_j7	0.0520703	0 -1.79769e+308	0.0364365		1
D7Ertd443e_j3	0.000971447	0.392935	8.65994	0.262671	0.611657
Ebf3_j9	2.13069	2.87568	0	1	1
Ebf3_j10	1.94635	1.75845	0	1	1
Ebf3_j11	1.30984	1.24841	0	1	1
9430038I01Rik	0.254143	0.272041	0.0981846	0.828677	0.944654
Mapk1ip1	5.00438	4.7378	0	1	1
Bnip3_j5	1.5839	0.903721	0	1	1
Stk32c_j2	0.523641	0.233386	0	1	1
Adam8_j5	0.761864	4.6606	2.61291	0	0
Adam8	0	0.919076 1.79769e+308	7.97E-13	1.15E-10	
Tubgcp2_j1	7.21892	7.48407	0.0520407	0.691101	0.885697
1810014F10Rik	1.94129	1.93994	-0.00100949	0.996929	0.999143
Sigirr_j7	0.164657	0.0964519	-0.77158	0.466516	0.766112
Rnh1	8.88146	10.872	0.291755	0.0423835	0.232763
Hras1_j3	1.07938	0.779208	-0.470118	0.312935	0.657313
Hras1	4.10516	5.28329	0.364	0.0924584	0.374117
B230206H07Rik_j2	0.71851	0.414761	-0.79273	0.0127411	0.102486
Slc25a22_j14	1.61458	1.34576	0	1	1
Slc25a22_j13	1.84695	1.51917	0	1	1
RP23-118G3.2_j2	0.221784	0.203313	-0.125454	0.879571	0.96152
Dusp8_j2	1.51033	0.934019	0	1	1
AK145379	1.34065	1.57926	0.236319	0.268612	0.61759
Th_j1	8.85759	9.52009	0	1	1
Th	22.0835	17.5119	0	1	1
Cdkn1c_j4	0.102129	0.0731413	-0.481637	0.690451	1

Cdkn1c	0.15484	0.201499	0.379997	0.620861	0.851388
Cdkn1c_j3	0.177306	0.168514	-0.0733735	0.925484	0.976854
Nap1l4_j1	1.2146	0.314038	0	1	1
Nap1l4_j2	4.42512	0	0	1	1
Cars_j4	1.00518	2.1433	0	1	1
Cars_j5	3.27358	5.28778	0	1	1
Tnfrsf22	0.156202	0.000160785	-9.92407	0.865159	0.957045
Osbpl5	8.20594	9.78267	0	1	1
Mrgpre_j2	0.587079	0.00102233	0	1	1
Mrgpre_j1	0.0119941	0.923837	0	1	1
Nadsyn1_j7	0.0573804	0 -1.79769e+308	0.0246612	1	1
Cttm_j6	4.39696	7.56239	0	1	1
Cttm_j7	1.0694	1.02378	0	1	1
Cttm_j8	0.167165	1.67475	0	1	1
Ppfia1_j1	0.886326	1.06038	0	1	1
Ccnd1_j1	0	0.186783 1.79769e+308	0.0006685	0.0103512	0.0103512
Tpcn2_j3	0.241726	0.327675	0.438892	0.662336	0.871966
Prkcc_j1	0.254218	0.114383	-1.1522	0.148696	0.477528
Cacng7_j3	1.64815	1.08659	-0.601043	0.292655	0.63964
Cacng8_j4	0.535789	0.427406	-0.326057	0.71035	0.894482
Prpf31_j2	6.28361	6.41347	0	1	1
Cnot3_j5	1.92115	2.44224	0.34623	0.046534	0.247371
Cnot3_j4	0.414281	0.485003	0.227382	0.504137	0.787468
Rps9_j3	31.9002	30.8972	-0.0460892	0.682474	0.880856
Leng8_j6	1.16101	0.689264	0	1	1
Lilra5_j4	0.069807	0.0506412	-0.46306	0.755739	1
Eps8l1_j5	0.573434	0.73432	0	1	1
Suv420h2_j4	0.0805523	0.0873489	0.116863	0.900352	1
Isoc2a_j3	0.44467	0.145292	-1.61378	0.197438	0.540321
Nat14_j1	2.14912	0.932146	0	1	1
A430110N23Rik_j3	0.328683	0.293987	-0.160943	0.728263	0.903676
Zfp865_j2	0.669165	0.70951	0	1	1
Zfp580	0.353014	0.447349	0	1	1
U2af2_j9	5.67665	7.07597	0	1	1
Epn1_j5	2.63532	2.72321	0	1	1
Epn1_j8	0.0553606	0.202661	0	1	1
Zfp78_j4	0.122693	0.077716	-0.658764	0.387037	1
Zfp28	0.0933808	0.0264149	-1.82177	0.151035	1
Zfp110_j2	4.36567	4.27722	0	1	1
Zscan22	0.229224	0.112126	-1.03163	0.134918	0.457099
Zscan22	0.295788	0.369406	0.320645	0.450806	0.756294
Zscan22	0.365664	0.120705	-1.59903	0.0197595	0.139688
Rps5_j2	189.565	217.856	0.200685	0.0240379	0.159942
Zfp446_j4	0.116881	0 -1.79769e+308	6.27E-05	1	1
Napa_j1	19.0384	14.411	0	1	1
Napa_j5	76.6833	89.1989	0	1	1
Meis3_j1	3.43992	3.45953	0.00820182	0.966554	0.990403

Prkd2_j2	0.15555	0.160398	0.0442805	0.94166	0.982193
Gng8_j2	0.607961	0.00110949	0	1	1
Pnmal1	2.26081	2.3405	0	1	1
Psg16	0	0.131043	1.79769e+308	0.0112271	1
Psg16_j1	0.138581	0.126319	-0.133652	0.87335	0.959842
XLOC_029516	0.0545768	0.00521421	-3.38777	0.588752	1
Mypop_j1	1.74096	0.863578	0	1	1
Snrpd2_j1	12.6635	17.0699	0	1	1
Eml2	75.1801	77.5603	0.0449686	0.610686	0.846532
Rtn2_j1	18.4549	20.2685	0	1	1
Ercc1_j1	4.55571	4.92509	0.112477	0.617028	0.849275
Ppp1r13l	0.176608	0	-1.79769e+308	2.23E-05	0.0006037
Ercc2_j1	0.139084	0	-1.79769e+308	0.0003105	0.0054955
Ckm_j1	0.150796	0.130365	-0.210048	0.830351	0.945391
Nkpd1_j2	0.102706	0.0293287	-1.80814	0.219022	1
Nkpd1_j4	0.0922935	0	-1.79769e+308	0.0104893	1
AK043814	0.478873	0.38607	0	1	1
Zfp235_j1	0.281136	0.248635	0	1	1
Kcnn4_j1	0.772933	0.968604	0	1	1
XLOC_029551	0.164989	0.195974	0.248289	0.661351	0.871639
1500002O20Rik	0.137022	0.18643	0.444231	0.393789	0.71963
1500002O20Rik_j7	0.990863	1.06038	0.097822	0.837135	0.947892
Xrcc1	5.72289	6.52773	0.189836	0.153994	0.486892
Arhgef1_j6	3.13732	2.98636	0	1	1
Arhgef1_j12	0.196507	0	0	1	1
Cic_j3	9.17169	9.62748	0	1	1
Cic	16.8191	18.2972	0	1	1
Cic_j8	17.5144	25.3012	0	1	1
Megf8_j7	0.271263	0.0646259	-2.06951	0.0021091	0.0260581
Atp5sl_j1	0.632087	0.499839	-0.33866	0.361442	0.696082
Gm8946	1.03892	0.78774	-0.3993	0.309689	0.654275
2310022A10Rik	3.80408	3.91222	0.0404413	0.807736	0.936674
2310022A10Rik_j2	1.40273	1.60114	0.190862	0.670643	0.875428
Akt2_j7	0.129089	0.165976	0.362608	0.728099	0.903661
Akt2_j12	0.278443	0.173509	-0.68237	0.214331	0.559705
Akt2_j14	0.664697	0.578387	-0.200662	0.506014	0.788576
Zfp60_j2	5.21679	5.36583	0.0406389	0.742926	0.909993
4933426l21Rik	1.01711	1.20288	0.242015	0.233681	0.581007
9530053A07Rik_j2	0.0800339	0	-1.79769e+308	0.0048831	1
9530053A07Rik_j3	0.119219	0.119512	0.00354048	0.996378	1
Paf1	2.29877	2.13979	-0.103395	0.559641	0.82079
Lrfn1	2.68055	2.02046	0	1	1
Fbxo27_j1	0.332871	0.198822	-0.743485	0.195097	0.537411
Fbxo17	0.330109	0.398363	0.27114	0.590506	0.83665
Fbxo17_j6	0.122332	0.346731	1.50301	0.138738	0.463211
Hnrnp1_j2	1.38578	1.52889	0	1	1
Lgals7_j2	0.282318	0	-1.79769e+308	0.014729	0.113385

Rasgrp4_j4	0.202861	0.259221	0.353687	0.40831	0.728624
Ggn_j1	0.269831	0.272211	0.0126722	0.976511	0.993156
Zfp30_j5	0.280721	0.0722352	-1.95836	0.0172321	0.127016
Zfp30_j4	0.346998	0.278566	-0.31691	0.477787	0.77269
Zfp790_j5	0.879437	0.0408356	0	1	1
XLOC_029625	0.230526	0.0442296	-2.38184	0.262611	0.611643
Clip3_j3	77.8244	81.6728	0	1	1
Alkbh6_j1	0.25406	0.132162	-0.942863	0.486393	0.777646
AI428936_j4	0.458644	0.555011	0.275142	0.512758	0.7923
Nfkbid_j4	0.0945916	0.0103281	-3.19514	0.158122	1
Hspb6	6.35983	3.73167	0	1	1
AK049951_j1	0.623359	0.409348	-0.606737	0.124612	0.439858
XLOC_029650	0.209321	0.226605	0.11446	0.742627	0.90994
XLOC_029652	0.131546	0.144714	0.137636	0.900179	1
Pepd_j2	3.75239	3.6162	0	1	1
Rhpn2_j1	0.627721	0.584118	-0.103863	0.710515	0.89462
Ccdc123_j2	0.455762	0.370588	-0.298467	0.508162	0.790116
Ankrd27_j1	0.00735653	0.385815	5.71274	0.002758	0.0322439
Tshz3	1.45362	1.40915	0	1	1
Tshz3_j1	1.10648	0	0	1	1
Tshz3_j2	1.28438	0.0381498	0	1	1
Tshz3_j5	1.25628	1.48542	0	1	1
XLOC_029660	0.137504	0 -1.79769e+308		0.0046137	0.0477981
AK034698_j1	0.203035	6.34E-05	-11.645	0.886028	0.963781
XLOC_029663	0.139395	0.0863583	-0.690771	0.377482	0.70922
Etfb_j3	0.393141	0 -1.79769e+308		0.0010935	0.0153253
Vsig10l_j1	0.165107	0.385952	1.22502	0.0438824	0.238521
Vsig10l_j3	0.8384	0.780865	-0.102566	0.72507	0.902338
Zfp658_j2	0.656823	0.236229	-1.47532	0.000491	0.0080248
XLOC_029691	0.184077	0.0239249	-2.94373	0.244922	0.592357
2410002F23Rik	2.84313	2.69314	0	1	1
Shank1_j2	0.235264	0.0907598	-1.37415	0.0038861	0.0420441
Shank1_j1	0.125594	0 -1.79769e+308		6.74E-08	1
Syt3_j3	0.35574	0.25954	0	1	1
Syt3_j6	0.267511	0	0	1	1
Lrrc4b_j2	0.125891	0 -1.79769e+308		0.001909	1
Aspdh_j5	2.13654	2.06604	-0.0484082	0.801007	0.933726
Josd2_j6	6.45756	6.54416	0.0192205	0.923689	0.976223
Napsa_j4	0.0860466	0.0526481	-0.708738	0.482381	1
Napsa_j6	0.0479088	0 -1.79769e+308		0.110432	1
Kcnc3_j1	2.05124	0.909789	-1.17289	6.54E-07	2.87E-05
Akt1s1_j1	3.36806	1.04515	-1.68821	4.53E-06	0.0001546
Nosip_j1	7.27094	7.95559	0	1	1
Ntn5_j5	0.179881	0.554361	1.62378	0.0483154	0.25281
Car11_j1	0.231912	0.279628	0	1	1
Car11_j3	0.100565	0.0843948	0	1	1
Car11_j2	0.448793	0.456407	0	1	1

Lmtk3_j2	0.0512601	0.0261775	0	1	1
Lmtk3_j4	0.124179	0.0397368	0	1	1
AK133391_j4	0.191229	0.094172	-1.02193	0.23325	0.580492
XLOC_029730	0.157044	0.145925	-0.105942	0.892778	0.966115
Kdelr1_j1	5.56672	6.78257	0	1	1
Kdelr1_j2	19.9484	21.606	0	1	1
Ccdc114_j3	0.1835	0.107969	-0.765162	0.309884	0.654446
Ccdc114_j8	0.0830213	0.15194	0.871947	0.373259	1
Ccdc114_j9	0.288289	0.444973	0.626205	0.373543	0.706422
Nomo1_j2	3.37465	4.20392	0.316996	0.0824939	0.349978
Kcnc1_j2	1.94723	0.867669	0	1	1
Tmem86a_j1	0.286929	0.126211	-1.18485	0.196459	0.539231
XLOC_029740	0.070078	0 -1.79769e+308		0.119158	1
Slc17a6_j1	12.8088	12.5286	0	1	1
Slc17a6_j2	2.16101	1.83202	0	1	1
Luzp2_j1	1.32168	1.17295	0	1	1
Siglech_j1	0.125211	0.0848375	-0.561591	0.587033	1
Gabrb3_j2	7.28521	3.30526	0	1	1
Atp10a_j1	0.249268	0.140859	-0.82344	0.119856	0.430968
Ube3a_j3	4.39432	3.98649	-0.140518	0.230702	0.577701
XLOC_029771	0.482829	0 -1.79769e+308		0.0239839	0.159682
XLOC_029771	0.0685435	0.0398778	-0.781434	0.595207	1
Mtmr10_j4	0.30938	0	0	1	1
Mcee_j3	0.501272	0.510542	0.0264359	0.963316	0.989786
Apba2_j4	1.51357	0.982596	0	1	1
Apba2_j6	0.0659271	0.0488655	0	1	1
Tarsl2_j3	3.83215	4.53135	0	1	1
Chsy1_j2	0.754651	1.21008	0	1	1
Lins2_j1	0.198543	0	0	1	1
Adamts17_j3	0.162036	0 -1.79769e+308		0.0024034	0.0289385
Lysmd4	7.64683	7.33501	-0.0600628	0.791894	0.930476
Ttc23_j2	0.421539	0.308341	0	1	1
Ttc23	0.140574	0.194123	0	1	1
Fam169b_j7	0.167345	0.10651	-0.651838	0.4161	0.733677
BC070425_j9	0.264877	0.372128	0.490476	0.453764	0.758229
AK035406_j1	0.143985	0.100274	-0.521976	0.664684	0.873063
Akap13_j6	0.0693843	0.133894	0.948412	0.0704566	1
Klhl25	0.920519	0.461154	0	1	1
Acan	0.152418	0.00140288	-6.7635	0.527933	0.801822
Abhd2_j4	0.163538	0.115301	0	1	1
Fanci_j1	0.152737	0 -1.79769e+308		0.0297276	0.184675
D330012F22Rik	0.62805	0.568474	0	1	1
Ttll13_j2	0.115603	0.0460069	0	1	1
Vps33b	0.253449	0.379617	0.582847	0.2647	0.613576
Prc1	0.435818	1.05023	0	1	1
Pde8a_j2	0.202989	0 -1.79769e+308		0.0037509	0.0409875
Adamts13_j3	0.215316	0.140374	-0.61718	0.193125	0.535524

XLOC_029835	0.175681	0.12311	-0.513012	0.488876	0.779314
Eftud1_j1	1.5944	1.72843	0	1	1
Mex3b_j2	0.379275	0 -1.79769e+308		6.83E-08	3.89E-06
XLOC_029853	0.138668	0.157144	0.180453	0.849479	0.952228
E230029C05Rik_j1	0.0853087	0.0631226	-0.434537	0.75381	1
Picalm_j2	17.1197	15.3225	-0.160009	0.149122	0.478226
Odz4_j7	0.0639608	0 -1.79769e+308		2.05E-06	1
Alg8_j1	0.784806	0.802072	0.0313946	0.940306	0.981854
Ints4	8.57422	7.35706	-0.220875	0.0712646	0.321007
Rsf1_j1	0.187911	0.0724573	-1.37484	0.0054768	0.054376
Pak1_j2	0.337252	0.528685	0.648581	0.164547	0.500567
Lrrc32_j2	0.0852401	0.200682	1.23531	0.0438985	0.238536
Prkrir_j4	5.36743	4.86415	0	1	1
Wnt11_j3	0.121119	0.0440041	-1.46071	0.296832	1
Wnt11_j4	0.257633	0.237246	-0.118935	0.871309	0.959126
Gdpd5_j2	5.00055	3.55081	-0.493939	0.0137136	0.107918
Arrb1	7.90599	8.11489	0	1	1
Arrb1_j3	1.34906	0	0	1	1
Arrb1_j7	1.04191	0.292472	0	1	1
Xrra1_j1	0.103625	0.0519329	-0.996656	0.625317	1
Pgm2l1_j2	8.4903	2.93211	0	1	1
P4ha3_j2	0.319066	0.179229	-0.832054	0.424884	0.740178
C2cd3_j1	0.325992	1.00859	0	1	1
Ucp2	34.5433	42.057	0.283942	0.0031079	0.035433
Fchsd2_j1	0.94923	1.60829	0	1	1
Fchsd2_j2	2.01601	1.75638	0	1	1
Pde2a_j3	13.4192	15.2281	0.182431	0.117883	0.427206
Clpb_j2	2.26403	2.83823	0	1	1
Clpb_j3	1.63546	1.99534	0	1	1
Clpb_j6	0.0802864	0.0902999	0	1	1
3200002M19Rik_j6	0	0.262801	0	1	1
2400001E08Rik_j1	0.486016	0.537182	0.144405	0.825308	0.943699
Pgap2	0.0537489	0.0754466	0	1	1
Stim1_j2	1.9537	1.90581	0	1	1
Stim1_j5	6.32401	7.54527	0	1	1
Olf258_j1	0.132407	0.133223	0.0088681	0.992335	1
Trim34a_j4	0.0652554	0.0211714	-1.62398	0.378034	1
Dnhd1_j3	0.167492	0 -1.79769e+308		0.0006866	0.0105603
Dnhd1_j2	0.135343	0.19353	0.515932	0.367062	0.700519
XLOC_029922	0.0689731	0.0386032	-0.837312	0.538892	1
Rpl27a_j2	2.28073	2.18628	0	1	1
Rpl27a_j3	0.521489	0.486219	0	1	1
Ampd3_j3	1.48563	1.45623	0	1	1
Ctr9_j2	4.93173	6.66291	0.434059	0.0061483	0.059693
Usp47_j3	0.182811	0.0845555	-1.11238	0.0802965	0.344616
Far1_j1	5.25223	4.37045	0	1	1
Calcb_j1	33.7402	31.3638	0	1	1

Insc_j1	1.30787	1.15697	-0.176868	0.581779	0.832536
Insc_j2	1.95852	2.63827	0.429829	0.047505	0.250247
Insc_j3	2.25007	2.3384	0.0555486	0.869438	0.958459
XLOC_029958	0.173098	0.152954	-0.178496	0.846808	0.951509
AK045786	0.484433	0.37891	-0.354439	0.642672	0.862182
9030624J02Rik_j1	15.8594	16.7988	0	1	1
2610020H08Rik_j1	0.201849	0.0884147	-1.19092	0.456772	0.760049
Lyrn1_j4	4.30139	4.01106	0	1	1
Mettl9_j2	5.92176	8.04189	0.441507	0.0246167	0.162606
Hs3st2_j1	5.0967	2.30449	0	1	1
Ubfd1_j1	12.9874	13.3585	0	1	1
Plk1_j1	2.63792	3.42105	0.375041	0.372965	0.705812
Plk1_j2	11.7407	11.6671	-0.00906493	0.967706	0.990878
Plk1_j10	0.0527329	0 -1.79769e+308		0.0460419	1
Rbbp6_j7	2.91397	3.385	0	1	1
Tnrc6a_j4	5.07134	5.60918	0	1	1
Tnrc6a_j7	3.10343	3.14642	0	1	1
XLOC_029992	0.221795	0.0493282	-2.16874	0.237582	0.584379
Jmjd5	0.345029	0.352113	0	1	1
Jmjd5_j4	1.34909	1.07347	0	1	1
Il21r_j3	0.0684315	0 -1.79769e+308		0.0244147	1
D430042O09Rik_j1	0.178732	0.167283	0	1	1
D430042O09Rik	0.611255	0.705057	0	1	1
D430042O09Rik	1.07662	0.810903	0	1	1
Rabep2	3.8648	4.25209	0.13778	0.392127	0.718479
Tufm_j3	1.11714	0.956206	-0.224418	0.432366	0.744232
Gdpd3_j2	17.2098	18.9087	0.135824	0.212786	0.557725
Mapk3_j1	0.405973	0.389647	-0.059217	0.937965	0.980993
Tbx6_j5	0.538844	0.731282	0.440562	0.124914	0.440286
Sez6l2_j2	10.1793	9.45903	0	1	1
Sez6l2	28.0889	29.9841	0	1	1
Mylpf_j1	0.251251	0.19955	-0.332379	0.612067	0.847241
Mylpf	0.0981192	0.134762	0.457809	0.667587	1
Zfp553	3.70687	3.88452	0.0675355	0.648086	0.864393
Itgal_j5	0.12996	0 -1.79769e+308		0.0250954	1
Fbrs_j2	2.43063	2.50014	0.0406823	0.865029	0.957021
Fbrs_j3	0.690894	0.363099	-0.928103	0.182281	0.52277
Srcap_j6	0.733971	0.258079	-1.50791	3.57E-08	2.18E-06
Fbxl19_j1	0.343129	0.125112	0	1	1
Fbxl19_j6	0.101507	0.0414434	0	1	1
Fbxl19_j10	6.36249	7.13953	0	1	1
Setd1a_j2	0.811002	0.800939	0	1	1
Setd1a_j8	1.51774	1.69086	0	1	1
Zfp646_j1	0.162917	0.127917	-0.348934	0.435425	0.74626
Bckdk_j3	0.130162	0.16651	0.355294	0.427865	0.741888
Bckdk_j4	1.0466	1.02968	-0.0235059	0.90192	0.968734
Myst1_j1	2.65111	3.94202	0.572341	0.0162497	0.121783

Trim72_j3	0.103232	0	-1.79769e+308	0.0061563	1
Trim72_j5	0.0533843	0.167667	1.65111	0.151625	0.482947
Tgfb1i1_j1	1.87718	2.34855	0.323204	0.0517446	0.263807
Ppapdc1a_j5	2.33511	1.57109	-0.571722	0.145577	0.473519
Tacc2_j7	5.39608	5.34571	0	1	1
Tacc2_j9	2.54603	1.39674	0	1	1
Plekha1_j3	1.01629	0.153513	-2.72688	0.0043332	0.0455957
Htra1_j2	53.9787	43.7984	-0.301511	0.0045307	0.0471542
Bub3_j1	2.47027	1.98696	-0.314105	0.247739	0.595075
XLOC_030053	0.101275	0.0544254	-0.895931	0.504122	1
Lhpp_j1	0.247047	0.0505809	-2.28812	0.113834	0.419484
Zranb1_j4	4.13753	3.65829	0	1	1
2700050L05Rik_j4	1.05846	1.2153	0	1	1
Mgmt_j2	0.107208	0.229388	1.09738	0.0653387	0.304562
Mgmt_j3	2.03446	2.50831	0.302068	0.333608	0.67451
XLOC_030066	0.94196	2.4907	0	1	1
XLOC_030067	0.265173	0.201689	-0.394804	0.743597	0.910278
XLOC_030069	0.17392	0.0329162	-2.40155	0.0751926	0.33096
Ppp2r2d_j3	0.690973	0.507244	0	1	1
Jakmip3_j9	0.669216	0.172767	-1.95364	0.0063277	0.061076
Inpp5a_j1	0.276093	0	-1.79769e+308	0.0007999	0.0119898
Paox_j5	0.635298	0.461127	-0.46227	0.163455	0.498809
Athl1_j2	0.127106	0	-1.79769e+308	0.0007453	1
Athl1_j1	0.143804	0.0411173	-1.80629	0.139426	0.464399
Athl1_j4	0.251753	0.21998	-0.194638	0.797116	0.932581
B4galnt4_j2	0.0330831	0.0593417	0.842951	0.386674	1
Pkp3_j3	0.760617	1.07072	0.493337	0.373608	0.706436
Lrrc56	0.392058	0.452684	0.207436	0.637456	0.8596
Rassf7_j1	0.0634358	0.0458823	-0.467359	0.766755	1
Phrf1_j4	0.816297	0.836281	0	1	1
Phrf1_j3	0.921265	0.571758	0	1	1
Tmem80_j1	7.54936	7.59616	0.00891712	0.953265	0.986435
Rplp2_j3	0.140263	0.402467	1.52074	0.0076702	0.0705343
Pnpla2	14.6313	15.1771	0.0528351	0.624676	0.853434
Efcab4a_j1	0.867312	1.24288	0	1	1
Cd151_j9	0.600688	0.688952	0	1	1
XLOC_030107	0.086389	0.0720512	-0.261824	0.840004	1
XLOC_030107	0.223398	0.171845	-0.378507	0.481534	0.775154
Muc2_j2	0.11199	0	-1.79769e+308	0.0008692	1
Muc2_j5	0.199945	0.132098	-0.597999	0.598445	0.840825
Brsk2_j8	2.39631	2.28906	0	1	1
Mrpl23_j2	0.22333	0.164937	-0.437265	0.626192	0.854124
Kcnq1_j2	0.103877	0	-1.79769e+308	9.61E-08	1
Dhcr7_j2	6.38387	5.63564	-0.179853	0.380993	0.711645
Mrgprd_j1	14.09	11.1825	0	1	1
Mboat7_j1	10.6818	11.0188	0	1	1
Rdh13_j8	2.02996	3.07149	0	1	1

Rdh13_j7	0.30321	0.186509	0	1	1
Rdh13	1.43243	0.914257	0	1	1
6030429G01Rik_j11	0.312303	0.144124	-1.11563	0.281946	0.630468
6030429G01Rik_j13	0.101947	0.0281982	-1.85415	0.34154	1
Ppp6r1_j5	0.406766	0.515794	0	1	1
Cox6b2_j5	0.724171	0.88756	0.293514	0.733346	0.905882
Il11_j2	0.286341	0.274402	-0.0614461	0.93491	0.980088
Shisa7_j5	0.0790016	0	-1.79769e+308	0.0006794	1
XLOC_030147	0.565425	0.289818	-0.964186	0.0180457	0.13121
Zfp579_j2	0.839092	0.745498	-0.170625	0.629043	0.85574
Zfp787_j3	3.61528	3.67235	0.0225968	0.906882	0.97045
Zfp583_j3	0.212162	0.308628	0.540705	0.327832	0.670398
Vmn2r29_j2	1.17067	1.06501	0	1	1
Clcn4-2_j5	21.2872	18.3192	0	1	1
Zfp329_j2	0.0537248	0	-1.79769e+308	0.0002112	1
Zfp329_j3	0.44982	0.184648	-1.28457	0.0003373	0.0058829
Zbtb45	1.1635	1.13564	0	1	1
Ube2m_j3	0.685889	0.509354	0	1	1
XLOC_030175	0.0664041	0.0456447	-0.540823	0.803572	1
6330408A02Rik_j3	1.37542	1.5498	0	1	1
Vmn1r90_j1	0.122172	0.0785726	-0.63681	0.546492	1
Sepw1_j1	0.106486	0.0535819	-0.990848	0.655222	1
Gltscr2_j1	9.56355	12.5639	0	1	1
Ehd2_j3	1.08193	1.21289	0.164839	0.756248	0.91596
Dhx34_j2	0.283916	0.158917	0	1	1
Npas1_j1	1.44525	2.29596	0.667774	0.033725	0.200854
Fkrp	2.60271	1.54654	0	1	1
Fosb	0.0632096	0.0651455	0.0435223	0.975285	1
Mark4_j4	4.78496	6.75716	0	1	1
Lrrc68_j5	0.270745	1.80064	0	1	1
Clasrp_j8	2.33066	2.19949	-0.0835676	0.726783	0.90322
Clasrp	0.527872	0.593326	0.168636	0.677324	0.878715
Apoc1_j1	0.325581	0	-1.79769e+308	0.021521	0.148188
Apoe_j2	729.351	850.985	0	1	1
XLOC_030225	0.103573	0.0686318	0	1	1
Zfp109	0.64568	0.821182	0.346883	0.164745	0.500803
Zfp61_j4	1.33117	0.839727	-0.664699	0.0417255	0.230484
Zfp94_j7	0.250282	0	-1.79769e+308	0.012027	0.0983906
Cd177_j2	0.0486391	0.0630063	0.373381	0.806742	1
Atp1a3_j1	136.02	116.379	0	1	1
Atp1a3	188.543	140.144	0	1	1
Grik5	0.241244	0.27519	0.189933	0.643076	0.862213
Dedd2_j5	0.310956	0.299785	0	1	1
Gsk3a	40.9336	40.2475	0	1	1
Erf	3.76097	4.71447	0.325993	0.02819	0.178167
Lipe_j1	0.846793	0.763789	0	1	1
Ceacam2_j1	0.178354	0.353476	0	1	1

Hnrnpul1_j3	10.8145	11.0394	0	1	1
Axl_j5	0.12259	0.0440117	0	1	1
Axl	0.401005	0.226455	0	1	1
Egln2_j3	3.26704	3.73349	0	1	1
Rab4b_j1	0.168846	0.157585	0	1	1
Snrpa	5.89286	6.79544	0.205598	0.255556	0.604249
Spnb4_j5	9.56683	10.0237	0.0673075	0.68221	0.880712
Spnb4_j4	0.286985	0.087846	-1.70793	0.0032157	0.0364665
Pld3	27.9543	21.8454	0	1	1
1700049G17Rik	0.142452	0.100903	-0.497501	0.625887	0.854009
XLOC_030263	0.463299	0.149539	0	1	1
Supt5h_j2	14.2536	14.2026	0	1	1
Plekhg2_j3	0.153091	0	0	1	1
Plekhg2_j4	0.326361	0.24914	0	1	1
Pak4_j2	0.193815	0	0	1	1
Mrps12_j1	8.0964	7.50091	-0.110216	0.616576	0.848924
Nfkbib	2.44693	2.02155	0	1	1
Actn4_j2	0.247349	0 -1.79769e+308		2.83E-07	1.35E-05
Ryr1_j6	0.221931	8.13E-06	-14.7371	0.993529	0.998056
Fam98c	0.919648	0.73006	-0.333066	0.382219	0.712312
XLOC_030290	0.18259	0.0799767	-1.19096	0.073525	0.326799
XLOC_030290	0.177992	0.121372	-0.552378	0.311337	0.656077
BC027344	0.970678	1.01181	0.0598803	0.803952	0.935008
Zfp27_j4	0.562578	0.706543	0	1	1
Zfp74_j1	2.38959	2.17874	-0.13327	0.379533	0.710908
Zfp14_j2	0.130931	0	0	1	1
Zfp14	0.246013	0.215672	0	1	1
Capns1_j1	167.908	188.716	0	1	1
Capns1_j6	1.64248	1.58311	0	1	1
Capns1_j7	68.9899	75.9873	0	1	1
Tbcb_j1	54.8948	60.3185	0.13593	0.184467	0.524945
Wdr62_j12	0.561933	0.122566	-2.19684	0.0055742	0.0551522
Wdr62_j8	0.283732	0.193438	-0.552658	0.213991	0.559239
Aplp1_j1	43.6716	48.7424	0.158481	0.165219	0.501638
Arhgap33_j11	5.47442	7.92721	0	1	1
Arhgap33_j12	1.15872	1.09766	0	1	1
BC053749_j8	0.151359	0.0552936	-1.45279	0.275693	0.624587
Lin37_j2	4.78284	6.25921	0	1	1
Lin37	2.26435	2.56748	0	1	1
Zbtb32_j2	0.131418	0 -1.79769e+308		2.06E-05	1
Rbm42_j5	0.0635081	0.0218396	-1.53999	0.365775	1
Usf2_j4	5.27065	4.75761	0	1	1
Usf2_j7	9.80952	11.6702	0	1	1
Lsr_j6	0.255322	0.0806061	-1.66335	0.0724054	0.323811
Fxyd5_j10	0.196345	0.555253	0	1	1
Fxyd5_j9	0.622286	0.967081	0	1	1
Fxyd7_j1	4.57316	6.7699	0	1	1

Fxyd7	91.519	80.361	0	1	1
Hpn_j9	0.319901	0	-1.79769e+308	0.0167437	0.124482
Hpn_j2	0.212605	0.134801	-0.657341	0.435366	0.74624
Hpn_j10	0.0600483	0	-1.79769e+308	0.0298964	1
Hpn_j12	0.0940383	0.0926437	-0.0215553	0.986649	1
Gpi1_j8	67.4249	76.2563	0	1	1
4931406P16Rik_j1	1.1879	0.153296	0	1	1
4931406P16Rik_j2	0.196816	0.0488909	0	1	1
Lsm14a_j1	5.23818	6.3688	0	1	1
XLOC_030329	0.196901	0.0188145	-3.38755	0.199593	0.542596
Kctd15_j3	0.734142	1.70575	0	1	1
Chst8_j3	0.258614	0	-1.79769e+308	0.0004021	0.0068041
Gpatc1_j1	2.28084	3.12493	0.454257	0.0204654	0.143202
Zfp507_j3	0.141388	0.0359053	0	1	1
Zfp507	0.760927	0.591917	0	1	1
XLOC_030343	3.66221	2.27327	-0.687946	0.0006301	0.0098731
XLOC_030343	0.564285	0.411153	-0.456751	0.145978	0.474036
Zfp536_j1	0.619719	0.627696	0.0184509	0.928479	0.977977
Zfp536	0.137977	0.19158	0.473517	0.185433	0.525792
C80913_j1	0.542596	0.255339	0	1	1
C80913_j2	0.796937	0.318838	0	1	1
Pop4_j5	2.34073	0.482048	0	1	1
AK081136_j2	0.0624038	0	-1.79769e+308	0.0269312	1
BC063263	0.341532	0.000139168	0	1	1
C330019L16Rik	0.264665	0.0264078	-3.32513	0.0048859	0.0498397
4931406B18Rik_j2	0.17789	0	-1.79769e+308	0.0069739	0.0656682
Cd33_j3	0.0567726	0.0303922	-0.901493	0.577748	1
Gm10109_j1	0.0574449	0	-1.79769e+308	0.205411	1
1700028J19Rik_j1	0.237923	0.4046	0.766002	0.256878	0.60573
1700028J19Rik_j3	0.178512	0.175477	-0.0247349	0.97855	0.993756
Clec11a	0.099092	0.0359698	-1.46198	0.242453	1
2310044H10Rik	11.1694	10.9567	-0.027732	0.770745	0.922089
Pold1_j3	0.335571	0.385322	0	1	1
Nr1h2	8.40018	9.43503	0	1	1
Myh14_j6	0.0873933	0.111704	0	1	1
Ptov1_j2	35.4159	39.5731	0	1	1
Ptov1_j6	13.3219	15.1142	0	1	1
Ap2a1_j3	41.8558	45.2485	0	1	1
Scaf1_j1	0.303356	1.71537	0	1	1
Prr12_j4	0.0501163	0.0223914	0	1	1
Rps11_j1	0.547731	0	-1.79769e+308	0.0060242	0.0587344
Rpl13a_j2	0.0374458	0.0618051	0.722922	0.68251	1
Flt3l_j13	0.645066	0.736673	0.191576	0.602308	0.842829
Flt3l_j12	0.573733	0.258873	-1.14813	0.0194101	0.138078
Ccdc155_j4	0.248122	0.224426	-0.144815	0.901343	0.968662
Ccdc155_j14	0.210736	0.0903038	-1.22258	0.221113	0.568191
Cd37	0.241928	0.170886	-0.501543	0.480086	0.77397

Trpm4_j3	2.18632	1.43543	0	1	1
Ftl1_j1	0.0753902	0.11364	0.592022	0.454737	1
Bax_j2	2.99568	4.73631	0	1	1
Nucb1_j3	0.625897	0.469562	0	1	1
Sec1_j3	0.236812	0.187186	-0.339266	0.6012	0.842004
Grin2d_j3	0.292172	0.336423	0.203455	0.769783	0.921491
Sergef_j1	0.0647527	0 -1.79769e+308		0.0041106	1
Sergef_j4	0.210546	0.141945	-0.5688	0.414748	0.73287
Hps5_j3	0.304424	0.442189	0	1	1
Tsg101_j1	2.79487	2.16953	-0.365401	0.208142	0.552263
Uevld_j5	0.299008	0.140378	-1.09087	0.241126	0.588263
Mrgpra9_j1	0.420422	0.457548	0	1	1
Mrgpra3_j2	0.0141168	0.739056	0	1	1
XLOC_030435	0.534632	0.154776	-1.78837	4.29E-06	0.0001479
XLOC_030449	0.206646	0.289256	0.485187	0.439968	0.749308
Gabra5_j4	0.897254	0.652297	0	1	1
Gabra5_j3	1.19139	1.92512	0	1	1
Snrpn_j4	0.756257	0.885826	0	1	1
Snrpn_j5	0.50655	0.336067	0	1	1
XLOC_030460	0.0621979	0.1057	0.765032	0.408735	1
XLOC_030460	0.209379	0.106316	-0.977758	0.10821	0.408949
XLOC_030460	0.101542	0 -1.79769e+308		0.0029962	1
A230057D06Rik_j2	1.37005	1.06603	-0.36198	0.171807	0.50891
Chrna7_j1	8.33025	8.01826	0	1	1
Tjp1_j1	2.20771	2.26812	0.0389481	0.860233	0.955778
AK038598_j3	1.85E-05	0.0757011	11.9968	0.977465	1
Mef2a_j3	18.0655	13.5347	0	1	1
AK049871_j1	0.190206	0.193647	0.025872	0.962711	0.989599
Nr2f2_j2	11.8316	11.4498	-0.0473304	0.706654	0.893061
Mctp2_j6	0.970562	1.26898	0	1	1
Mctp2_j9	0.351638	0.501592	0	1	1
Chd2_j3	0.0472124	0 -1.79769e+308		0.0003005	1
St8sia2	0.157506	0.0816738	-0.947461	0.209078	0.553253
Sv2b_j6	0.217616	0	0	1	1
Ntrk3_j4	0.64358	0.167501	0	1	1
E430016F16Rik_j1	0.0651563	0 -1.79769e+308		0.0036943	1
E430016F16Rik_j2	0.329595	0.0818857	-2.00901	0.0018658	0.0236522
E430016F16Rik_j3	0.0866205	0.0621858	-0.478123	0.555805	1
Mrpl46_j1	14.9709	15.9266	0.0892793	0.561553	0.821809
Rlbp1_j1	3.02339	2.32696	0	1	1
Polg_j3	2.6015	2.63496	0	1	1
Polg_j4	0.842194	0.828903	0	1	1
Kif7_j14	0.265938	0.23231	-0.195035	0.773714	0.923197
Kif7_j13	0.123179	0.05979	-1.04278	0.349258	1
Cib1_j2	2.56485	2.51245	0	1	1
Unc45a_j4	6.03807	7.79605	0	1	1
Man2a2_j2	0.7173	0.0369154	0	1	1

Fes_j6	0.628471	0.839637	0.417921	0.355928	0.691824
Iqgap1_j1	0.426478	0.43313	0	1	1
XLOC_030530	0.195338	0.150635	-0.374908	0.618275	0.850061
XLOC_030530	0.0829299	0.0171635	-2.27255	0.168625	1
Cpeb1_j5	0.180728	0	0	1	1
Cpeb1_j6	11.9669	8.43064	0	1	1
Cpeb1_j7	6.64896	4.51844	0	1	1
Btbd1_j3	0.130599	0.284008	1.12079	0.130317	0.449445
Btbd1_j4	1.29726	1.07685	-0.268651	0.373875	0.706721
Bnc1	0.399652	0.216699	-0.883053	0.0016175	0.0210185
AK042300_j3	1.30013	1.10709	0	1	1
Il16_j5	0.360776	0.876287	1.2803	1.22E-06	4.89E-05
Fah_j3	6.2163	5.6949	0	1	1
Zfand6_j3	18.3243	18.6898	0	1	1
Zfand6	3.74685	2.38152	0	1	1
Gm10159	117.686	134.028	0.187595	0.0500541	0.258503
Prss23_j3	0.485374	0.236666	0	1	1
Eed_j1	0.764149	0.667285	-0.19555	0.574241	0.827973
BC048663_j1	1.40763	1.24589	-0.176095	0.565116	0.823689
Tmem126a	0.45775	0.398199	0	1	1
Pcf11_j2	0.549553	0.407858	-0.430192	0.194306	0.536753
4632427E13Rik	0.0934091	0.0851692	-0.133231	0.908652	1
Myo7a_j3	0.780621	0.75131	-0.0552156	0.838731	0.948621
Myo7a_j4	0.932365	0.500944	-0.896247	0.0012236	0.0168057
Myo7a_j6	0.419492	0 -1.79769e+308		5.33E-20	1.50E-17
Capn5_j3	0.073911	0	0	1	1
Tsku_j2	0.178862	0.0899755	-0.991242	0.266564	0.615602
2210018M11Rik_j13	0.412049	0.494948	0	1	1
2210018M11Rik_j12	0.826317	1.00897	0	1	1
AK052909_j2	0.157405	0.128448	-0.293298	0.818056	0.940965
Rps3_j1	165.039	202.012	0.291632	0.0008842	0.0129704
Spcs2_j1	23.57	22.1166	-0.0918186	0.507074	0.789482
Rnf169_j1	0.111825	0	0	1	1
Pold3_j1	1.4868	1.62802	0	1	1
Pold3_j2	0.318557	0.350385	0	1	1
Plekhb1_j1	9.91243	8.59777	0	1	1
Plekhb1_j2	8.59142	8.88999	0	1	1
P2ry2_j3	0.186631	0.111801	0	1	1
P2ry2_j2	0.456431	0.292773	0	1	1
Atg16l2_j5	0.225059	0.074311	-1.59866	0.0474312	0.250092
Atg16l2_j10	0.391866	0.213043	-0.879214	0.0429116	0.234711
Atg16l2_j17	0.80863	0.804132	-0.00804622	0.984172	0.995386
Inpp1_j1	0.807653	0.811812	0	1	1
Inpp1_j2	0.907102	1.53453	0	1	1
Inpp1_j3	0.0736232	0	0	1	1
Folr2_j2	0.0828055	0.0144247	-2.52118	0.476948	1
Tomt_j1	0.359108	0.144381	0	1	1

Lrrc51_j3	1.01105	0.695317	-0.540106	0.0794862	0.342405
Rnf121_j2	0.186651	0.270472	0	1	1
Trim21	0.0924697	0 -1.79769e+308		0.0066498	1
Trim68	0.18616	0.484383	1.3796	0.0136038	0.107311
Olfir78_j2	0.104249	0 -1.79769e+308		0.0017744	1
Trim12a_j5	0.224222	0.138746	-0.692485	0.181759	0.521948
Trim30a_j6	0.0259549	0.140375	2.43521	0.024349	1
Trim30a	0.116474	0.0251993	-2.20855	0.0824084	1
Trim30a_j7	0.157061	0.0398556	-1.97847	0.148456	0.477336
Fam160a2	0.798295	0.542723	-0.556706	0.0120911	0.0987576
Fam160a2_j4	2.87507	3.9797	0.469064	0.0001047	0.0022442
Apbb1_j5	73.8166	43.5758	0	1	1
Arfip2_j1	4.5659	3.89536	0	1	1
Cyb5r2_j3	0.0537237	0.0610472	0.184366	0.851488	1
Cyb5r2_j8	0.190982	0.156638	-0.286001	0.738422	0.9081
Stk33_j2	0.201728	0.0720791	0	1	1
Stk33_j1	0.215389	0.142511	0	1	1
St5_j8	1.60952	0.884022	0	1	1
Scube2_j3	0.0619596	0 -1.79769e+308		0.0570158	1
Tmem41b_j4	0.158788	0.177634	0.161806	0.818752	0.941277
Sbf2_j7	0.766717	0.766378	0	1	1
Sbf2	0.754206	1.02234	0	1	1
Sbf2_j3	0.643413	0.462753	0	1	1
BC051516	0.471825	0.485248	0	1	1
Rnf141_j5	3.43222	3.54762	0	1	1
Mrvi1_j5	0.0887425	0 -1.79769e+308		0.0118237	1
Eif4g2_j6	54.9787	42.37	0	1	1
Galnt14_j1	3.33889	2.29562	0	1	1
XLOC_030665	0.147975	0.0192353	-2.94353	0.0725685	0.32416
Calca_j5	221.207	184.195	0	1	1
Calca_j7	0.425683	0.186054	0	1	1
Calca_j4	42.315	40.5344	0	1	1
Sox6_j2	0.104984	0.0527484	-0.992965	0.125709	1
Plekha7	0.168982	2.77E-05	-12.5724	0.933197	0.9797
Plekha7_j8	0.340357	0.461036	0.437828	0.187196	0.52819
Pik3c2a_j1	0.449039	0.420202	-0.0957592	0.786735	0.928702
Tmc7_j2	0.356001	0.383091	0	1	1
Gpr139_j3	0.232269	0.146581	0	1	1
XLOC_030686	0.32336	0.104293	-1.63251	0.0261581	0.169728
Eri2_j1	0.383829	0.226	-0.76414	0.125954	0.441872
Eri2_j3	0.120953	0.176702	0.54687	0.403292	0.726254
AK034016	0.5966	0.355039	-0.748786	0.120959	0.433073
Usp31_j3	8.70455	8.69609	0	1	1
Palb2_j2	0.237674	0.000350667	-9.40466	0.924248	0.976334
Arhgap17_j1	3.25669	4.93901	0	1	1
Arhgap17_j4	13.9665	12.9038	0	1	1
Nsmce1_j5	0.0547764	0 -1.79769e+308		0.186767	1

Gtf3c1_j3	0.376272	1.42748	0	1	1
Gsg1l_j2	0.398615	0.301098	-0.404763	0.370051	0.703555
Xpo6_j5	8.34838	10.5714	0	1	1
Xpo6_j6	4.16194	2.55894	0	1	1
Xpo6_j7	8.16753	6.59238	0	1	1
Lat_j1	2.13E-05	0.236679	13.4419	0.991721	0.997561
Nfatc2ip_j1	0.370363	0.474347	0.357003	0.370248	0.703609
Sh2b1_j1	2.10762	2.10284	0	1	1
Sh2b1	0.19981	0.373895	0	1	1
Atxn2l_j7	0.607816	0.640786	0	1	1
Atxn2l_j2	13.4835	14.1151	0	1	1
Cln3_j3	1.06926	0.000318576	-11.7127	0.771136	0.922274
Cln3_j2	1.61792	1.61419	-0.0033256	0.990998	0.997281
Aldoa_j2	4.70275	4.59716	0	1	1
Aldoa_j3	868.257	904.981	0	1	1
Ino80e_j1	0.176172	0.0826607	-1.09171	0.0966838	0.384063
Mvp_j13	0.0395883	0.0911523	0	1	1
Maz_j2	5.19266	4.97478	0	1	1
Qprt_j2	0.606326	0.139273	-2.12218	0.0109066	0.0912549
9130019O22Rik	0.58234	0.426105	-0.450654	0.167219	0.50361
Zfp764	0.969353	0.801384	-0.274528	0.376492	0.708503
Zfp629_j4	1.37148	1.71971	0.326426	0.210843	0.555568
Zfp629_j5	0.234162	0 -1.79769e+308		8.16E-10	6.96E-08
Bcl7c_j1	0.833864	0.322358	0	1	1
Bcl7c	3.29691	3.28234	0	1	1
Zfp668_j3	0.434359	0.416915	-0.0591345	0.840511	0.949579
Prss53_j4	0.101985	0.211761	1.05407	0.0005017	0.0081702
Prss36_j9	0.675295	0.46115	-0.55028	0.289022	0.63673
Rgs10_j1	6.49636	7.4201	0.191806	0.38677	0.714764
Tial1_j1	3.32132	3.04723	0	1	1
Fgfr2_j2	0.178745	0 -1.79769e+308		0.0002079	0.0039645
Fgfr2_j3	0.0505404	0 -1.79769e+308		0.0342377	1
Fgfr2_j8	0.128609	0.0699396	-0.878809	0.424292	1
Ate1	1.75664	1.62532	0	1	1
Ikzf5_j2	0.0374631	0.050575	0	1	1
Ikzf5_j1	0.118821	0.11737	0	1	1
Cpxm2_j4	0.26522	0.00138515	-7.58101	0.28209	0.630606
Chst15_j4	0.27309	0.0220094	0	1	1
Dhx32	6.02192	7.16327	0	1	1
D7Ert443e_j1	0.349146	0 -1.79769e+308		1.13E-07	5.99E-06
Fam196a_j5	0.100003	0	0	1	1
Mki67_j1	0.115052	0.0584389	-0.977282	0.297504	1
Ebf3_j1	0.26746	0	0	1	1
Ebf3_j2	0.217343	0	0	1	1
9430038I01Rik_j6	0.261794	0.24118	-0.118325	0.860296	0.955778
Tcerg1l_j1	0.7295	0.625835	-0.221125	0.632405	0.857156
XLOC_030797	0.0877793	0.0745015	-0.236611	0.776322	1

XLOC_030797	0.221715	0.151078	-0.553417	0.51719	0.795502
Bnip3_j1	0.251831	0.213833	0	1	1
Bnip3_j6	0.629866	0.25466	0	1	1
Stk32c	4.68955	3.98195	0	1	1
Adam8_j4	0.0548226	0 -1.79769e+308		0.0058387	1
Adam8_j9	0.543417	1.80356	1.73071	1.05E-08	7.36E-07
1810014F10Rik_j1	1.4005	0 -1.79769e+308		9.56E-06	0.0002982
1810014F10Rik_j2	4.1462	5.01138	0.273416	0.334067	0.674869
Sirt3_j3	0.983065	1.05359	0	1	1
Ifitm6	0.276065	0.240884	-0.196671	0.79133	0.930476
Sigirr_j5	0.250162	0.192228	-0.380046	0.681872	0.880565
Hras1_j2	0	0.266811 1.79769e+308		0.0005174	0.0083737
Hras1_j1	1.65799	1.58519	-0.0647734	0.779488	0.925607
B230206H07Rik_j1	0.228717	0.148439	-0.623695	0.182364	0.522846
Slc25a22_j10	0.503052	0.592277	0	1	1
Slc25a22_j11	0.343401	0	0	1	1
6330512M04Rik	3.51992	3.91393	0.153077	0.472004	0.769302
6330512M04Rik_j1	0.137585	0 -1.79769e+308		0.0752717	0.331168
6330512M04Rik_j4	0.3028	0 -1.79769e+308		0.0251242	0.164863
AK039657_j1	0.0753837	0.100216	0.410791	0.695764	1
Nap1l4	24.9421	31.7677	0	1	1
Tnfrsf22_j1	0.117783	0.132479	0.169635	0.832215	1
Tnfrsf23_j2	0.188478	0.0409714	-2.20171	0.046072	0.245899
Osbpl5_j1	2.4637	4.14595	0	1	1
Nadsyn1_j10	0.200062	0.188384	-0.0867743	0.896582	0.967033
Nadsyn1_j1	0.1517	0.0551113	-1.4608	0.231426	0.578474
Nadsyn1	0.125076	0.553128	2.14481	0.0002166	0.0040948
Ctnn_j9	3.07397	3.96959	0	1	1
Ppfia1_j6	0.0572649	0	0	1	1
Ppfia1_j7	0.181222	0.140019	0	1	1
Ano1_j2	0.800338	0.362517	0	1	1
Myadm_j1	30.6418	54.6622	0	1	1
Cacng7_j2	0	0.192205 1.79769e+308		0.0122465	0.0996757
Cacng8_j1	0.320818	0.600071	0.903375	0.164621	0.500613
Cacng8_j3	0.240307	0.557738	1.21471	0.383674	0.713176
Ndufa3_j2	18.3194	18.9292	0.0472408	0.831292	0.945549
Tsen34_j1	17.4702	20.3026	0.21677	0.0683015	0.312925
Eps8l1_j6	0.0157643	0.0495135	0	1	1
Brsk1_j2	0.383263	0.399853	0	1	1
Brsk1_j3	6.75417	8.65293	0	1	1
Rpl28_j4	0.55489	0.845819	0.608148	0.0821548	0.349173
Isoc2a	13.6986	13.9287	0.0240323	0.869869	0.958673
Zfp628_j3	0.959484	0.854105	0	1	1
Zfp865_j4	0.0232102	0.118551	0	1	1
U2af2_j1	0.570247	0.57835	0	1	1
Zfp444_j1	0	0.16157 1.79769e+308		0.0006189	0.0097383
Zfp28_j10	0	0.12717 1.79769e+308		0.0178714	1

Zfp606	0.304728	0.211378	-0.527692	0.241676	0.588802
Zfp324_j3	1.15907	0.831381	0	1	1
Zfp446_j3	0	0.236899	1.79769e+308	3.84E-05	0.000952
Zfp446_j2	0.0864162	0.0895883	0.0520099	0.944289	1
Zfp446_j6	0.0703849	0.347059	2.30185	0.0003966	0.0067278
XLOC_029493	2.31671	2.38234	0.0402985	0.903815	0.969234
Zc3h4_j2	0.0359834	0.0846366	0	1	1
Zc3h4_j5	1.77515	2.81414	0	1	1
XLOC_029499	0.0617904	0.0542587	-0.187528	0.876872	1
Strn4_j3	0	0.0587113	0	1	1
Gng8_j4	3.53497	3.3606	0	1	1
Gng8_j7	8.93949	6.1738	0	1	1
Mill2_j5	0.0648839	0.0581535	0	1	1
Pglyrp1	0.240605	0.330734	0.459006	0.307746	0.652771
Mypop_j2	3.01393	3.63667	0	1	1
Sympk_j2	2.78996	6.53977	0	1	1
Dmwd_j2	0.989692	2.68106	0	1	1
Dmpk_j5	0	0.295464	0	1	1
Dmpk_j6	0.211662	0.207859	0	1	1
Six5_j2	0.589902	0.705469	0.258107	0.458573	0.761199
Eml2_j3	4.3986	2.73231	-0.686925	0.0007949	0.0119257
Eml2_j5	12.2118	11.4102	-0.0979456	0.444312	0.752066
Ppp1r13l_j1	0	0.101129	1.79769e+308	0.0134201	1
Ckm_j3	0	0.0872903	1.79769e+308	0.1131	1
Zfp296_j1	0.339595	0.347788	0.0343928	0.960815	0.988902
Zfp296_j2	0.694871	0.790625	0.186249	0.54056	0.808873
AK043814_j1	0.023302	0.0692134	0	1	1
1500002O20Rik_j6	0.777759	1.23982	0.672737	0.102495	0.39664
Zfp428	0.221828	0.173631	0	1	1
Zfp428_j1	9.15231	9.45873	0	1	1
Rps19_j2	0.532755	0.332965	0	1	1
Cd79a_j1	0.137044	0.160531	0.228214	0.850465	0.952478
Arhgef1_j8	1.63631	1.9583	0	1	1
Cic_j5	3.07857	1.51663	0	1	1
Megf8_j6	0	0.0503618	1.79769e+308	0.0091099	1
Atp5sl	1.2198	1.17802	-0.050283	0.898311	0.967622
B3gnt8	0.0032919	0.217207	6.044	0.105977	0.404176
B3gnt8_j3	0.363546	0.120837	-1.58907	0.0314761	0.191742
Adck4_j1	6.20484	7.41526	0.257104	0.0308752	0.189391
Sertad3_j1	2.18212	2.12585	0	1	1
2310022A10Rik_j1	0.20277	0.639337	1.65673	0.0181591	0.131804
Akt2_j2	0	0.160212	1.79769e+308	0.0414877	0.229503
Akt2_j9	1.10129	1.16932	0.0864708	0.738506	0.908119
Akt2_j13	1.53574	1.96794	0.357746	0.0994994	0.390483
Akt2_j18	4.15232	4.49946	0.115833	0.452217	0.757358
Zfp60	0.614906	0.492726	-0.319582	0.275679	0.624585
9530053A07Rik_j1	0.0469673	0.0633956	0.432727	0.756285	1

Dyrk1b_j2	3.70681	3.20709	0	1	1
Dyrk1b_j5	0.237538	0.840855	0	1	1
Lrfn1_j2	0.771249	0.785837	0	1	1
Fbxo27_j6	2.4514	1.57054	-0.642348	0.041555	0.229767
Fbxo17_j1	0	0.0832511	1.79769e+308	0.0751001	1
Fbxo17_j2	0.237603	0.265791	0.161741	0.818039	0.940965
Fbxo17_j8	0.0829609	0.13149	0.664448	0.669073	1
Map4k1_j1	0	0.102105	1.79769e+308	0.008529	1
Dpf1_j2	0.0656146	0.154268	1.23335	0.182621	1
Dpf1_j6	0.109183	0.158015	0.53331	0.546932	0.813288
Zfp790_j4	0.000201124	0.356741	0	1	1
AK155472_j1	0.61448	0.405396	-0.600035	0.149181	0.478285
AK138949_j3	36.6119	41.3665	0.176148	0.135922	0.458707
Zfp568	0	0.0638775	1.79769e+308	0.0054719	1
Zfp382_j3	0.203547	0.000203837	0	1	1
Alkbh6_j4	1.95358	1.5492	-0.334598	0.357469	0.693341
Alkbh6_j3	11.4761	8.83739	-0.376934	0.0626832	0.296466
AI428936_j9	0.357133	0.382344	0.098411	0.839877	0.949215
Nfkbid_j1	0.193471	0.205461	0.0867478	0.910116	0.971581
Nfkbid_j2	0.0351818	0.0825015	1.22959	0.489655	1
Tmem149_j4	0.395419	0.788653	0.996007	0.0074643	0.0691204
AK154275_j1	0.0997522	0.160032	0.681942	0.17178	0.50891
AK087850	0.179206	0.222754	0	1	1
XLOC_029650	0.130293	0.111294	-0.227388	0.814139	1
XLOC_029652	0.111972	0.109411	-0.0333898	0.971119	1
XLOC_029652	0	0.0558643	1.79769e+308	0.0987625	1
Ccdc123_j1	0.192231	0.384967	1.00189	0.0614886	0.292977
XLOC_029665	0	0.0969542	1.79769e+308	7.66E-06	1
Zfp788_j8	0.688383	0.989174	0	1	1
Zfp788	0.811353	0.579963	0	1	1
Nkg7	0.127285	0.222352	0.804784	0.338641	0.678955
Etfb_j2	0.105585	0.172499	0.708184	0.311327	0.656077
Klk8	0.34552	0.390185	0.175386	0.744595	0.910838
Klk5_j1	0	0.43742	1.79769e+308	0.0008444	0.0125117
2410002F23Rik_j2	0.784268	0.313527	0	1	1
Shank1_j6	0.229278	0.128597	-0.834241	0.0879519	0.363161
Shank1_j5	0.182751	0.177339	-0.0433682	0.918975	0.974676
Syt3_j1	0.454817	0.443675	0	1	1
Aspdh_j11	0.0892883	0.0840127	-0.0878629	0.945867	1
Kcnc3_j3	3.72805	1.21222	-1.62076	6.53E-13	9.58E-11
Kcnc3_j8	1.42836	0.50026	-1.51361	2.09E-05	0.0005756
Nup62_j1	0.00160049	2.9643	0	1	1
AK087248_j1	0.422296	0.430806	0.0287848	0.906353	0.970354
Nosip_j3	5.71802	7.73173	0	1	1
Pih1d1_j4	0.816743	3.01641	0	1	1
Tead2_j1	0.257544	0.54177	1.07286	0.0123766	0.100433
XLOC_029715	0.0906753	0.181525	1.00139	0.348996	0.687

Hrc_j1	0	0.0973821	1.79769e+308	0.0512357	1
Plekha4_j5	2.93157	3.96368	0	1	1
Ntn5	0.5307	0.498461	-0.0904148	0.849785	0.952228
Lmtk3_j9	0.885451	1.2552	0	1	1
Lmtk3_j10	2.1712	2.64179	0	1	1
AK133391_j2	0.511849	0.332984	-0.620267	0.273713	0.62288
Ccdc114_j5	0	0.111228	1.79769e+308	0.0206372	1
Tmem86a_j3	10.6464	10.3087	-0.0465001	0.724973	0.902263
XLOC_029742	0.0535309	0.0810081	0.597695	0.592603	1
Zdhhc13_j1	0.0264016	0.0900327	1.76982	0.305076	1
Nav2_j1	0.143565	0.337246	1.23209	5.08E-05	0.0012086
Nav2_j12	0.197458	0.494446	1.32427	0.0006921	0.0106248
Oca2_j1	0.0554148	0.205174	1.8885	0.076078	0.333082
Ube3a_j6	3.10081	3.61153	0.219964	0.256733	0.605651
Otud7a_j4	1.77297	1.55347	-0.190679	0.498551	0.784066
XLOC_029771	0.0160406	0.105551	2.71814	0.174557	1
Mttr10_j1	0.050441	0.158913	0	1	1
Mcee_j1	0.219067	0.32894	0.586453	0.567623	0.824883
Apba2_j7	0.637826	3.12516	0	1	1
Apba2_j9	0	1.25641	0	1	1
Tarsl2_j2	3.66409	2.89544	0	1	1
Chsy1_j1	1.23679	0.9618	0	1	1
Fam169b_j5	0	0.0527533	1.79769e+308	0.0888211	1
Fam169b_j9	0	0.0832253	1.79769e+308	0.0545225	1
BC070425_j5	0.0929731	0.0196862	-2.23963	0.25805	1
Akap13_j5	0.438493	0.572253	0.384099	0.131738	0.451722
Akap13_j8	0.730255	0.983191	0.42907	0.0501916	0.258895
Klhl25_j1	0.313256	1.23239	0	1	1
MRPS11	8.17291	8.26846	0.0167698	0.919455	0.974745
Abhd2_j2	4.63986	8.08194	0	1	1
Abhd2_j3	12.1359	6.93983	0	1	1
Mesp2	0.122491	0.149724	0.289625	0.718585	1
Zfp710_j1	0.0781201	0.071525	-0.127247	0.911231	1
Vps33b_j1	0.190334	0.325719	0.775098	0.301515	0.647902
XLOC_029824	0.0717817	0.112412	0	1	1
Zfp592_j2	0.671409	1.40993	0	1	1
AK013794_j4	0.427361	0.609432	0.51201	0.342147	0.681895
Whamm_j5	0.192522	0.277029	0.52501	0.42686	0.74141
XLOC_029832	0.116108	0.17182	0.565428	0.372388	0.705388
Tmc3_j1	0.0748328	0.104246	0.478252	0.609579	1
XLOC_029842	0.163333	0.112615	0	1	1
AK132723_j3	0.146574	0.124999	0	1	1
AK132723_j1	0.154933	0.185853	0	1	1
Me3_j1	1.00021	0.854181	-0.227686	0.46726	0.766637
E230029C05Rik_j2	0.172066	0.128239	-0.42412	0.695391	0.887572
Sytl2_j4	2.30564	1.29592	0	1	1
Sytl2	0.979487	0.44659	0	1	1

BC051589_j1	4.16642	4.22157	0	1	1
Dlg2_j1	1.21387	1.11867	0	1	1
Dlg2_j2	0.749278	0.487322	0	1	1
Dlg2_j4	0	0.0543662	0	1	1
Odz4_j10	0	0.0759182	1.79769e+308	0.0002674	1
Kctd21_j3	0	0.0635348	0	1	1
XLOC_029881	0.0265868	0.0777378	1.54791	0.244049	1
XLOC_029881	0.113105	0.0895077	-0.337581	0.762283	1
XLOC_029881	0.105373	0.0555657	-0.923238	0.411172	1
Gdpd5_j1	3.42297	4.67821	0.450709	0.0216578	0.148897
XLOC_029885	0.0815916	0.190558	1.22374	0.100747	0.39309
Arrb1_j6	0.0997752	0.201534	0	1	1
Arrb1_j8	22.3385	40.3112	0	1	1
Pgm2l1_j1	0.346722	0.240936	0	1	1
Arap1_j1	2.2062	2.68106	0.281242	0.0546803	0.272724
Clpb_j1	0.22628	0.12668	0	1	1
Numa1_j4	0.25224	0.322071	0	1	1
Trim6_j4	0	0.0525222	1.79769e+308	0.0665815	1
Trim34a_j1	0.126673	0.210153	0.730328	0.563214	0.82249
Trim34a_j2	1.43128	1.55282	0.117586	0.634581	0.858242
XLOC_029922	0.0971129	0.166932	0.781524	0.193377	0.535696
XLOC_029922	0.0837109	0.0565277	-0.566458	0.626633	1
Dnhd1_j4	0.0794472	0.175055	1.13974	0.0511225	0.26195
XLOC_029922	0.173629	0.208622	0.264883	0.693807	0.887013
Dnhd1_j9	0.145659	0.0249202	-2.54721	0.0343087	0.202972
Dnhd1_j11	0.0421906	0.126001	1.57844	0.130819	1
Ppfibp2_j3	0	0.126999	1.79769e+308	0.0062925	1
Ppfibp2_j8	0.156811	0.0696631	-1.17056	0.208706	0.552749
Ppfibp2_j9	0.124297	0.176668	0.507243	0.462959	0.76341
XLOC_029934	0.282332	0.280425	-0.00977922	0.977156	0.993353
Ipo7_j2	5.79091	7.3764	0	1	1
Zfp143_j2	0.610559	0.904528	0	1	1
Wee1_j2	1.39945	0.96025	-0.543378	0.0658986	0.306293
Ampd3	1.06954	1.40801	0	1	1
Tead1	0	0.205643	1.79769e+308	9.04E-07	3.79E-05
Arntl_j7	0	0.143484	1.79769e+308	0.0076562	1
1110004F10Rik_j3	40.3823	44.4417	0.138191	0.177382	0.516667
Nucb2_j2	0.0547584	0.518664	3.24365	0.0015647	0.0204437
AK045786_j7	0	0.118855	1.79769e+308	0.155574	1
Tmc5_j3	0.277862	0.779031	1.48731	0.0002335	0.0043572
Tmc5	0	0.120187	1.79769e+308	0.0207952	1
6330503K22Rik_j4	0.0996402	0.330345	1.72917	0.0065829	0.0627745
9030624J02Rik_j3	8.80541	11.2426	0	1	1
2610020H08Rik_j5	0.0733318	0.106765	0.541921	0.445063	1
Lyrm1_j1	0.175524	0.57829	0	1	1
Lyrm1_j2	0.954312	0.872651	0	1	1
Lyrm1	0.157812	0.36953	0	1	1

Lyrm1_j6	0.00738974	0.33555	0	1	1
E130201H02Rik	0.69325	1.02638	0.566114	0.0917932	0.372408
BC030336_j1	0.128374	0.0769	-0.739302	0.33629	1
Polr3e_j2	0.69237	1.09384	0	1	1
4933427G17Rik_j1	0.067509	0.160463	1.24909	0.217298	0.563499
Hs3st2_j4	0	0.0702016	0	1	1
XLOC_029981	0.0547705	0.0895169	0	1	1
Prkcb_j2	0.793314	0.68691	-0.207772	0.611298	0.846879
Tnrc6a_j2	0.452823	0.201699	0	1	1
Slc5a11_j1	0.217162	0.159973	0	1	1
XLOC_029995	0.196084	0.30217	0	1	1
Il21r_j1	0.0430065	0.0848636	0.980592	0.399299	1
Il21r	0.0320376	0.152606	2.25197	0.0541093	1
D430042O09Rik_j2	0.914891	1.15742	0	1	1
Tufm_j4	0.0339567	0.0780637	1.20096	0.35198	1
Tufm_j5	5.48792	5.40627	-0.0216273	0.916579	0.973963
Apob48r_j1	4.78E-06	0.0660479	13.7534	0.990831	1
XLOC_030004	0.106344	0.182995	0.783061	0.401893	0.72514
XLOC_030006	0.332647	1.08201	1.70165	0.100874	0.393239
Tbx6_j2	0	0.0694051	1.79769e+308	0.016664	1
Hirip3_j2	2.06337	2.23159	0.11307	0.414794	0.73287
Sez6l2_j4	2.38622	2.17416	0	1	1
Sez6l2_j9	1.51554	4.59051	0	1	1
XLOC_030012	0.149507	0.000175921	-9.73107	1	1
Itgal_j3	0	0.0850762	1.79769e+308	0.020982	1
Prr14_j4	0.188597	0.303893	0.688252	0.245509	0.592921
Prr14_j3	0.268987	0.38087	0.501765	0.329668	0.671845
Prr14_j5	0	0.0985083	1.79769e+308	0.0362249	1
Phkg2_j2	16.2044	16.1821	-0.00198869	0.989665	0.996781
Rnf40	9.70041	9.89664	0.0288929	0.780799	0.925867
Fbxl19_j9	0	0.145084	0	1	1
Setd1a_j4	0	0.103042	0	1	1
Hsd3b7_j3	0.198857	0.152216	0	1	1
Myst1_j3	1.19234	1.6539	0.47208	0.338384	0.678732
Trim72_j1	0.05316	0.128943	1.27833	0.080492	1
Itgam_j2	0.0159988	0.121378	2.92347	0.0105644	1
Itgam	0.226312	0.411365	0.862107	0.0161938	0.121495
Itgam_j5	0.493603	1.0055	1.02648	0.0041635	0.0441687
Itgad_j1	0.0486859	0.106976	1.13571	0.324537	1
Itgax_j7	0.10125	0.453195	2.16221	0.0373396	0.214213
Tgfb1i1_j2	0.481549	0.397331	-0.277339	0.692304	0.886092
Tgfb1i1_j3	5.46471	7.5393	0.464287	0.0208701	0.1452
Tacc2_j2	4.24213	3.68801	0	1	1
Tacc2_j5	0.971699	1.25639	0	1	1
Htra1_j5	19.3813	16.7338	-0.211897	0.216424	0.562551
Hmx3	0.125045	0.272083	1.1216	0.0234983	0.157309
Dock1_j1	0.165937	0.585486	0	1	1

XLOC_030062	0.0544603	0.111855	1.03836	0.242762	1
Ptpre_j1	0.77912	0.882185	0	1	1
Glrx3_j6	2.7803	3.48883	0.327498	0.291277	0.638477
Ppp2r2d_j5	0	0.15314	0	1	1
Jakmip3_j1	0.0580377	0.0609898	0.0715771	0.953959	1
Jakmip3_j11	0	0.12251 1.79769e+308		0.0304005	1
Jakmip3_j16	0	0.188831 1.79769e+308		0.0058886	0.0576655
Dpysl4_j5	1.19024	1.34232	0.173468	0.488004	0.778578
Lrrc27_j1	4.09407	3.70769	-0.143017	0.360554	0.695475
Gpr123_j3	0.432185	0.545161	0.335033	0.330695	0.672484
Paax_j4	0.0936303	0.384536	2.03807	0.144689	0.472044
Mtg1_j2	1.78342	1.37929	-0.37072	0.417808	0.734876
Athl1_j3	0.0553866	0.122727	1.14784	0.219904	1
B4galnt4_j7	0.526445	0.468394	-0.168563	0.586267	0.834297
XLOC_030091	0.126648	0.245527	0.95506	0.371509	0.704412
Rassf7_j2	0.103622	0.185233	0.838002	0.451521	0.756717
Eps8l2_j4	0	0.0818511 1.79769e+308		0.0053833	1
Taldo1_j2	3.55334	7.99812	0	1	1
Rplp2_j5	0	0.309941 1.79769e+308		0.0807765	0.345975
Cd151_j6	0.570863	1.2493	0	1	1
Cd151_j7	0.328603	0.50148	0	1	1
Cd151_j8	0.125333	0.32552	0	1	1
Lsp1_j3	0	0.0650663 1.79769e+308		0.0848257	1
Tnnt3_j1	0.0660026	0.118213	0.84079	0.349961	1
Cd81_j5	5.52879	7.52505	0	1	1
Kcnq1_j3	0.0880245	0.211574	1.26519	0.0046259	0.0478493
Dhcr7_j1	0.410539	0.431091	0.0704742	0.892295	0.965873
XLOC_030120	0	0.0565495 1.79769e+308		0.163074	1
Shank2_j4	2.43E-05	0.281624	13.5018	0.880132	0.961722
Shank2_j3	0.190933	0.000461019	-8.69402	0.257753	0.606502
Fgf3_j1	0.736978	2.69131	0	1	1
Fgf3_j2	0.370128	2.3273	0	1	1
Nlrp12_j2	0.0887262	0.0901088	0.0223071	0.988272	1
Nlrp12_j6	0	0.0489317 1.79769e+308		0.0889168	1
Nlrp12_j7	0.0461714	0.0519903	0.171245	0.868415	1
XLOC_030127	0	0.103265 1.79769e+308		0.0451121	1
Tmc4_j4	0.382531	0.685787	0	1	1
Mboat7_j3	5.53614	6.09297	0	1	1
Lilrb3_j2	0.114222	0.503541	2.14027	0.0777855	0.337705
Lilrb3_j3	0.108197	0.297271	1.45812	0.0577355	0.28179
Lilrb3_j12	0.20536	0.199792	-0.0396573	0.959154	0.988355
Lilrb3_j13	0.111362	0.292976	1.39552	0.260506	0.609215
Ppp1r12c_j3	16.4858	22.0642	0	1	1
6030429G01Rik_j5	0.471496	0.605769	0.361524	0.30293	0.648734
6030429G01Rik_j9	0.034011	0.0634623	0.899899	0.525589	1
Ppp6r1_j2	0.359722	0.446041	0	1	1
Ppp6r1_j8	9.57473	8.98599	0	1	1

Gm1078_j2	0.333219	0.309658	-0.105797	0.788391	0.929506
Zim1_j3	1.47E-05	0.0914308	12.6051	0.972667	1
Peg3_j1	13.4523	8.30626	0	1	1
Zfp772	1.04462	0.907881	0	1	1
Clcn4-2_j1	0.897872	0.738237	0	1	1
Zfp551_j1	0.277675	0.382829	0.463299	0.184072	0.524679
Zscan18_j4	0.755894	0.556588	-0.441574	0.0310768	0.190042
XLOC_030169	0.0389291	0.104414	1.42339	0.247587	1
Ube2m_j2	3.46003	4.93763	0	1	1
Mzf1_j2	0.0906947	0.103829	0	1	1
Mzf1_j5	0.0493762	0.138315	0	1	1
6330408A02Rik	0.542416	0.482285	0	1	1
Sepw1_j2	0	0.914526	1.79769e+308	0.0020296	0.0252684
Gltscr2_j2	0.701493	1.02652	0	1	1
Ccdc9_j4	0.699238	0.916362	0.390135	0.181794	0.522017
Fkrp_j1	2.13103	3.89513	0	1	1
Calm3_j5	0.32438	0.394452	0	1	1
XLOC_030201	0.156386	0.348209	1.15485	0.0060946	0.0592898
XLOC_030201	0.111134	0.240252	1.11225	0.0849469	0.355671
Ccdc61_j3	1.5287	1.30143	-0.232214	0.421209	0.737332
Ccdc61_j4	0.118538	0.170138	0.521356	0.572191	0.827134
Qpctl_j1	0.153425	0.0132989	0	1	1
Vasp_j2	8.73903	7.78046	0	1	1
AK020867_j2	0.0123935	0.0563684	2.18531	0.465315	1
Mark4_j5	0	0.422915	0	1	1
Lrrc68_j4	0.196681	0.16161	0	1	1
Clasrp_j10	0.837427	0.813462	-0.0418874	0.907697	0.970898
Pvrl2_j1	0	0.0480633	0	1	1
Bcam_j3	0.946672	1.50908	0	1	1
Bcam_j4	0.155557	0.286575	0	1	1
Bcl3_j3	3.73885	6.78347	0	1	1
Zfp111_j1	0.111792	0.107601	-0.0551285	0.91832	1
Zfp109	0.313645	0.349628	0.15669	0.654104	0.867648
Zfp61_j3	1.10989	1.13046	0.0264924	0.936293	0.980422
Zfp94_j4	0	0.22541	1.79769e+308	0.0005088	0.0082556
Zfp94_j5	0	0.0573094	1.79769e+308	0.0598632	1
Erf_j2	0.128333	0.932028	2.86048	2.61E-08	1.66E-06
Gm7092_j1	0.254506	0.151181	-0.751425	0.0975817	0.385963
Ccdc97_j3	0	0.457807	0	1	1
Hnrnpul1_j2	0.43262	0.364994	0	1	1
Axl	0.157172	1.11094	0	1	1
Rab4b_j2	11.8078	14.9991	0	1	1
Rab4b_j3	18.8199	24.081	0	1	1
Ltbp4_j2	1.05392	1.50687	0	1	1
Spnb4_j6	8.86578	8.50069	-0.0606682	0.580925	0.831876
Spnb4_j13	0.0347376	0.0475599	0.453248	0.771013	1
1700049G17Rik_j1	0.0382243	0.121892	1.67304	0.413475	1

Supt5h_j3	24.8352	31.792	0	1	1
Plekhg2_j1	0.185559	0.0680748	0	1	1
Pak4_j4	0.493502	0.680289	0	1	1
Pak4_j5	0.350714	0.664457	0	1	1
C330005M16Rik	0.222829	0.401382	0.84904	0.0152785	0.116493
Ryr1_j1	0	0.0661791	1.79769e+308	0.0696649	1
Kcnk6	0	0.0592529	1.79769e+308	0.1627	1
Sipa1l3_j2	2.01977	1.95598	-0.0462953	0.818958	0.941314
XLOC_030290	0.203164	0.361029	0.829469	0.125513	0.44131
XLOC_030290	0	0.160696	1.79769e+308	0.000277	0.0050067
Zfp14	0	0.691809	0	1	1
Zfp14_j1	0.343249	0.347494	0	1	1
Zfp82_j4	0.627513	0.6118	-0.0365853	0.942903	0.982712
Zfp146_j1	3.6195	3.89691	0	1	1
Capns1_j4	445.963	526.471	0	1	1
Capns1_j5	0	0.475803	0	1	1
Wdr62_j9	0.0655054	0.443816	2.76028	0.0010032	0.0143607
Wdr62_j13	0.11577	0.239758	1.05032	0.164248	0.500214
Wdr62_j14	0.210769	0.258392	0.293895	0.503898	0.787293
Hcst	0.155944	0.145221	-0.10277	0.883068	0.962848
Arhgap33_j1	1.24945	2.28119	0	1	1
Arhgap33_j2	1.63148	1.14624	0	1	1
Wbp7_j1	1.20125	1.76858	0	1	1
Zbtb32_j4	0.0053082	0.218676	5.36443	0.0116479	0.095923
Upk1a_j1	0.0750798	0.119201	0.666897	0.369491	1
Rbm42_j1	12.2218	13.8212	0.177428	0.167668	0.50417
Rbm42_j8	0.0993914	0.157061	0.660136	0.465805	1
Usf2_j3	8.96936	9.908	0	1	1
Lsr_j12	0.102829	0.271102	1.39859	0.0696669	0.31662
Lsr_j7	0.130457	0.181015	0.472534	0.482994	0.775864
Fxyd5_j1	0.988766	1.49042	0	1	1
Fxyd5_j2	0	0.0469468	0	1	1
Hpn_j1	0.00190643	0.403291	7.72481	0.516667	0.795178
Scn1b_j6	0.787494	0.786816	-0.00124234	0.998148	0.999228
Gramd1a_j6	11.0532	12.0088	0	1	1
Wtip_j2	4.73401	5.38801	0.186689	0.375577	0.707831
Lsm14a_j5	0.109612	0.145934	0	1	1
Lsm14a_j4	0.585421	1.19318	0	1	1
Cebpg_j2	0.000172924	2.56228	0	1	1
Pdcd5_j8	0.0401449	0.0522837	0.381144	0.804651	1
Zfp507_j7	8.36E-05	0.0587194	0	1	1
XLOC_030343	1.41306	1.35326	-0.0623845	0.80114	0.933726
XLOC_030343	0.198157	0.158922	-0.318318	0.611914	0.847166
XLOC_030343	0.610033	0.600075	-0.0237451	0.931328	0.979067
C80913_j5	0.120023	1.22007	0	1	1
C80913_j6	0	0.520203	0	1	1
C80913_j7	1.15117	0.965773	0	1	1

Pop4_j3	0.000547196	0.875249	0	1	1
AK081136_j1	0.25252	0.126136	-1.00142	0.0990862	0.389479
AW146154	0.231865	0.647388	1.48134	0.000287	0.0051553
AW146154_j1	0.398239	0.272804	-0.54577	0.395486	0.72057
AW146154	1.27163	2.18671	0.78208	0.0089158	0.0786063
Gm5593	0.198887	0.286607	0.527128	0.301466	0.647827
BC063263_j4	0	0.0537976	0	1	1
Zfp715_j1	0.55639	1.01343	0	1	1
Cd33_j1	0	0.0637335	1.79769e+308	0.0162445	1
Siglece_j1	0	0.128919	1.79769e+308	0.0288022	1
Siglece_j2	0	0.0986232	1.79769e+308	0.0416149	1
AK134755_j5	0.0574518	0.124907	1.12043	0.309232	1
Gm10109_j2	0.35191	0.319566	-0.139089	0.847711	0.951788
1700028J19Rik_j2	0.0673298	0.0992327	0.55957	0.692414	1
1700028J19Rik_j6	0.0958161	0.0740397	-0.371969	0.794757	1
1700028J19Rik_j5	0	0.0848893	1.79769e+308	0.101668	1
1700008O03Rik_j5	0	0.0722362	0	1	1
1700008O03Rik_j8	0	0.106112	0	1	1
Mybpc2_j4	0.120138	0.105731	-0.184287	0.710296	1
Ap2a1_j2	2.16518	2.58515	0	1	1
Ap2a1_j7	6.17155	4.5955	0	1	1
Cpt1c_j5	4.06966	6.38153	0	1	1
Bcl2l12_j1	0.378765	0.383642	0.0184585	0.971754	0.991962
Scaf1_j4	1.92609	1.83657	0	1	1
Prr12_j6	2.06443	2.36762	0	1	1
Fcgrt	1.65648	1.92801	0.218994	0.436974	0.747343
Rps11_j2	13.2078	13.4608	0.0273754	0.896357	0.967019
Rpl13a_j3	6.31436	8.43173	0.417192	0.0456841	0.24468
Rpl13a_j4	0	1.68458	1.79769e+308	3.43E-06	0.0001217
Flt3l_j1	0.489634	0.417962	-0.228333	0.62919	0.855844
Flt3l_j2	0	0.197638	1.79769e+308	0.0020339	0.0253088
Flt3l_j5	0.398566	0.367648	-0.116493	0.808081	0.936878
Flt3l_j6	0.853144	0.637058	-0.421366	0.180907	0.520777
Ccdc155_j1	0.0313759	0.102489	1.70774	0.134833	1
Ccdc155_j9	0	0.0610965	1.79769e+308	0.0820996	1
Trpm4_j1	0.345104	0.362346	0	1	1
Trpm4_j7	0.193277	0.227426	0	1	1
Ruvbl2_j1	0.0261683	0.258498	0	1	1
Ruvbl2_j3	0.252754	0.253703	0	1	1
Dhdh_j1	0.678833	0.470125	0	1	1
AK049852_j2	0.553775	0.716553	0.371774	0.0768	0.335039
Sec1_j1	0	0.158054	1.79769e+308	0.0069992	0.0658421
Grin2d_j5	0.395624	0.336795	-0.232257	0.589385	0.836031
Sergef_j6	1.2013	1.35094	0.169369	0.685584	0.882707
Saal1_j1	0.163066	0.419714	1.36395	0.00583	0.0572066
Tsg101_j3	0.0659067	0.040682	-0.696033	0.666971	1
Uevld_j1	3.88458	3.42602	-0.181227	0.146339	0.474606

Ptpn5_j1	0	0.149493	0	1	1
Mrgpra3_j1	0.64949	0.635025	0	1	1
Mrgpra3_j4	1.08939	0.90785	0	1	1
XLOC_030432	0.288016	0.352982	0	1	1
XLOC_030434	0.462862	0.639418	0.466178	0.0755717	0.331932
XLOC_030435	0	0.0808312	1.79769e+308	0.0019622	1
Mrgprx1_j1	1.01633	1.06024	0.0610197	0.714442	0.89656
XLOC_030439	0.182878	0.17883	-0.0322912	0.973265	0.992283
XLOC_030443	0.0224829	0.087171	1.95502	0.163776	1
XLOC_030443	0.0620572	0.0934933	0.591264	0.49178	1
Gabra5_j1	0	0.593854	0	1	1
Gabra5_j2	0	1.10117	0	1	1
C230091D08Rik_j1	0.565143	0.465269	-0.280551	0.522955	0.799177
XLOC_030455	0.429107	0.401286	-0.0967065	0.794288	0.931391
XLOC_030455	0	0.0873222	1.79769e+308	0.0610684	1
lpw_j1	2.69835	2.19306	-0.299133	0.118821	0.428894
Snrpn_j1	22.4431	20.2795	0	1	1
Snrpn_j12	177.116	193.599	0	1	1
Fan1_j4	0.881228	0.960613	0.12444	0.679752	0.879568
Fan1_j5	0	0.0483324	1.79769e+308	0.101375	1
Fan1_j6	0.330276	0.509905	0.626558	0.102583	0.396835
Tjp1_j2	0.127781	0.161864	0.341113	0.496132	0.783139
Lrrk1_j2	1.11506	1.0901	-0.0326646	0.900123	0.968237
Lrrk1_j3	0.38857	0.443407	0.190455	0.466511	0.766112
AK038598_j6	0	0.0683927	1.79769e+308	0.127187	1
Mef2a_j6	0.858789	0.551072	0	1	1
Sym_j2	0	0.346679	0	1	1
Mctp2_j5	0.0338518	0.0514623	0	1	1
AK043101_j1	0.144969	0.130946	0	1	1
Chd2_j1	0.924255	0.895922	-0.0449192	0.841664	0.949957
Sv2b_j5	0.480427	0.51577	0	1	1
E430016F16Rik_j14	0	0.170293	1.79769e+308	0.0005993	0.0094781
E430016F16Rik_j15	0.247277	0.271854	0.136707	0.755339	0.915526
E430016F16Rik_j16	0	0.068612	1.79769e+308	0.0190812	1
Kif7_j10	0.191489	0.278124	0.53847	0.273286	0.62238
Kif7_j11	0	0.0739943	1.79769e+308	0.0503689	1
Unc45a_j5	3.08355	3.8189	0	1	1
Unc45a_j6	0.154739	0.194548	0	1	1
Unc45a_j7	0.207488	0.172141	0	1	1
Unc45a_j10	1.20367	1.05102	0	1	1
Man2a2	2.26893	1.30253	0	1	1
Fes_j2	0	0.0571337	1.79769e+308	0.144711	1
Furin_j2	3.5291	3.23643	0	1	1
Blm_j2	0	0.0879332	1.79769e+308	0.0028975	1
Crtc3_j1	0.163393	1.31316	0	1	1
Nmb_j1	99.6015	88.3316	-0.173238	0.0589261	0.28542
Rps17_j7	5.59868	6.47122	0.208951	0.21762	0.563618

vesl-2_j2	0	0.210304	0	1	1
Btbd1_j2	16.5369	16.2211	-0.0278203	0.80513	0.935575
Hdgfrp3	3.74805	3.37627	0	1	1
Fam154b_j3	0.0959872	0.0795841	0	1	1
Arnt2_j3	0.595323	0.823859	0	1	1
Arnt2_j4	0.595323	0.823859	0	1	1
Arnt2_j5	0.331216	0.748616	0	1	1
Zfand6	3.64796	3.21297	0	1	1
Zfand6_j1	5.95396	5.53898	0	1	1
Folh1_j1	4.32041	4.87054	0	1	1
Folh1_j4	0.5643	0.899255	0	1	1
Prss23_j1	1.14585	1.24612	0	1	1
Ankrd42_j4	0	0.44472	1.79769e+308	0.0074349	0.0689432
Pcf11_j3	1.51491	2.03769	0.427705	0.0102759	0.0872665
Myo7a	0.269955	0.280615	0.0558702	0.862586	0.956533
Capn5_j4	0.233872	0.737905	0	1	1
Capn5_j6	1.17437	5.98764	0	1	1
Tsku_j1	0.164571	0.114204	-0.527087	0.489028	0.77939
Tsku	0.0283031	0.218531	2.94881	0.0137154	0.107918
2210018M11Rik_j4	0.0587176	0.116513	0	1	1
2210018M11Rik_j2	0.04933	0.0513393	0	1	1
Serpinh1_j1	1.99009	3.65054	0	1	1
Rnf169	0.0971854	0.588399	0	1	1
Pold3_j3	0.146636	0.270167	0	1	1
Relt_j4	0	0.237853	0	1	1
Relt_j5	0.199874	0.0675291	0	1	1
Arhgef17_j3	26.2108	26.6229	0.0225088	0.823518	0.943114
Atg16l2_j1	0.0657993	0.117507	0.836597	0.150385	1
Nup98_j2	0.00025662	1.40386	0	1	1
Trim68_j5	0.232309	0.105491	-1.13892	0.202499	0.546127
Trim68_j6	0	0.878461	1.79769e+308	2.17E-07	1.07E-05
Trim68_j7	0.0711282	0.109952	0.628383	0.473226	1
Hbb-b1_j1	18.5502	22.6329	0.286982	0.0510683	0.261892
9230105E10Rik_j1	0.342808	0.383678	0.162497	0.763765	0.918837
Trim30a_j1	0.120067	0.262726	1.12972	0.0642361	0.300919
Trim30a_j2	0	0.153098	1.79769e+308	0.0091284	1
Trim30d	0.0580738	0.0911212	0.6499	0.487262	1
Fam160a2_j1	0.219712	0.24693	0.168489	0.645476	0.863342
Apbb1_j4	61.0971	68.2235	0	1	1
Apbb1	0.132558	0.188333	0	1	1
Rrp8_j5	0.0654972	0.0492029	-0.412689	0.539024	1
Rrp8_j4	0.308642	0.401203	0.378399	0.161734	0.496701
Dchs1_j1	0.0680464	0.0728917	0.0992353	0.893854	1
Dchs1_j2	0.010509	0.0576297	2.45519	0.0260186	1
Dchs1_j8	0.115633	0.172373	0.575986	0.293615	0.640505
Mrpl17_j2	6.76566	7.06122	0.0616861	0.830826	0.945436
Ric3_j1	8.68362	8.79753	0	1	1

Trim66_j2	0.367321	0.39059	0	1	1
St5_j4	0	0.214589	0	1	1
St5_j5	0	0.362315	0	1	1
Tmem41b_j2	22.3877	21.503	-0.0581672	0.580308	0.831506
Eif4g2_j5	0.410762	0.319112	0	1	1
Eif4g2_j8	0.298462	1.06816	0	1	1
1700012D14Rik_j1	0.229195	0.184299	-0.31453	0.495267	0.782763
Dkk3_j4	0	0.129043	0	1	1
AK009335	0.237807	0.28866	0.279579	0.655582	0.868421
Rras2_j1	4.24057	8.60704	1.02126	3.49E-12	4.57E-10
Calca_j8	0.262456	0.488588	0	1	1
Calca_j9	0	17.0605	0	1	1
Sox6_j1	0.663266	0.726248	0.130876	0.533643	0.805224
Plekha7_j3	0.200234	0.431121	1.10641	0.0026575	0.0313167
Plekha7_j4	0	0.114021	1.79769e+308	0.0015061	1
Plekha7_j11	0.132946	0.207433	0.641808	0.22172	0.568881
Rps15a_j1	1.51105	1.81269	0	1	1
Coq7_j1	9.22121	7.397	-0.318017	0.154872	0.488084
Gde1_j3	79.4706	90.6474	0	1	1
Gprc5b_j2	0	0.0986172	0	1	1
XLOC_030686	0.106658	0.0909586	-0.229712	0.863875	1
XLOC_030686	0.410845	0.15415	-1.41426	0.0210746	0.14608
Igsf6_j2	0	0.0503676	1.79769e+308	0.0776286	1
Igsf6_j1	0.0803693	0.305281	1.92542	0.0040966	0.0436524
Usp31_j2	5.35384	4.53329	0	1	1
Palb2_j1	0	0.131914	1.79769e+308	0.0480591	1
Palb2	0.0397565	0.120968	1.60536	0.216416	1
Arhgap17_j5	0.435752	0.629444	0	1	1
Arhgap17_j6	0.0323271	0.0854588	0	1	1
Zkscan2	0.323624	0.348826	0.108189	0.713847	0.896268
XLOC_030708	0	0.227832	1.79769e+308	0.0421911	0.232106
Nsmce1_j6	4.16747	6.25999	0.586989	0.0118308	0.0971661
Xpo6_j8	0.193	0.384811	0	1	1
Atxn2l_j9	1.90178	1.86019	0	1	1
Atxn2l_j10	0.97797	1.54462	0	1	1
Eif3c_j1	0.0771849	0.0989708	0	1	1
Coro1a_j5	1.42662	1.03951	-0.456695	0.0067763	0.0642045
Aldoa_j4	0.35831	0.333374	0	1	1
Mvp_j8	1.23799	3.93575	0	1	1
Mvp_j9	2.66333	4.13554	0	1	1
Cd2bp2_j4	4.48008	4.32155	0	1	1
Sept1_j5	0.323476	0.232695	-0.475218	0.456279	0.759774
Zfp747_j2	0.883089	0.93576	0.0835792	0.786501	0.928645
Zfp764_j2	0	0.187061	1.79769e+308	0.007506	0.0693914
Zfp629_j1	0.320517	1.54058	2.265	0	0
Bcl7c_j2	0.168931	0.344275	0	1	1
Stx1b_j3	4.74729	3.35252	0	1	1

Zfp668_j1	0.332583	0.181177	-0.876318	0.0296737	0.184435
Prss53_j6	0.0293075	0.166701	2.50792	0.0845308	0.354879
Prss36_j2	1.49413	1.82913	0.291853	0.549878	0.815008
BC017158_j1	0.168307	0.472417	0	1	1
2310057M21Rik_j2	1.95883	1.9961	0.0271907	0.854763	0.954015
Mettl10_j3	0.161404	0	-1.79769e+308	3.58E-10	3.24E-08
Mettl10_j5	0.000157506	0.107586	9.41587	0.482386	1
Mettl10_j4	0.108185	0.315868	1.54583	3.46E-05	0.0008731
Mettl10_j8	3.97216	3.49479	-0.184719	0.455324	0.759143
Ctbp2_j2	0	0.102368	0	1	1
Ctbp2_j3	0	0.127629	0	1	1
Uros_j1	1.23381	1.13734	0	1	1
Fam196a_j6	0	0.0865905	0	1	1
Fam196a	0.0525651	0.581637	0	1	1
Fam196a_j1	0.126102	0.266753	0	1	1
Ebf3_j3	0.0422762	0.055239	0	1	1
Ebf3	0.610456	0.995657	0	1	1
Tcerg1_j2	0.0936326	1.56703	4.06488	2.40E-07	1.17E-05
Mapk1ip1_j1	10.6743	10.3821	0	1	1
Bnip3_j3	26.5612	18.7743	0	1	1
Stk32c_j1	8.96957	9.58043	0	1	1
Sirt3_j4	0.0244778	0.0946123	0	1	1
Hras1_j4	0.22136	0.728029	1.7176	0.0228421	0.154422
Deaf1_j2	16.8223	17.2857	0.0392049	0.719763	0.899338
B230206H07Rik	0.267111	0.330285	0.306276	0.506552	0.789023
B230206H07Rik_j6	0.184994	0.121449	-0.607127	0.353949	0.690096
Cend1	47.369	42.8248	0	1	1
Slc25a22_j8	0.242399	0.0506195	0	1	1
Slc25a22_j9	0.13467	0.032392	0	1	1
Slc25a22	2.98918	2.16123	0	1	1
Lrdd_j7	0	0.480247	1.79769e+308	9.42E-07	3.93E-05
Lrdd_j2	0.720752	0.35321	-1.02898	0.004732	0.0486565
2700078K21Rik_j3	7.33643	8.07673	0	1	1
Dusp8_j1	4.23112	5.20562	0	1	1
XLOC_030835	0	0.0830078	1.79769e+308	0.0799492	1
6330512M04Rik_j3	0.424224	0.894093	1.0756	0.070197	0.318168
Cdkn1c_j2	0.128396	0.0393273	-1.70699	0.211935	1
Phlda2_j1	0.4035	0.522224	0.372099	0.452526	0.757642
Nap1l4_j4	5.08439	5.31036	0	1	1
Cars_j3	0.378374	0.569135	0	1	1
Tnfrsf22_j2	0.202132	0.218855	0.114676	0.862097	0.956374
Tnfrsf23_j1	0.730976	0.494163	-0.564838	0.498208	0.783887
Osbpl5_j4	0	0.0594403	0	1	1
Nadsyn1_j2	0.429491	0.485355	0.176413	0.787059	0.92895
Nadsyn1_j3	0.0798902	0.142978	0.8397	0.361509	1
Cctn_j2	0	0.13555	0	1	1
Ppfia1_j2	0.935191	1.09291	0	1	1

Ppfia1_j4	0.226672	0.186287	0	1	1
Ano1_j1	1.12235	1.57572	0	1	1
Tpcn2_j1	0.0588242	0.0353742	-0.733715	0.621289	1
Tpcn2_j4	0.507706	0.395207	-0.361386	0.407273	0.727813
Cnot3_j3	0.144743	0.148755	0.0394503	0.928685	0.97809
Rps9_j2	11.7521	11.9714	0.0266691	0.893785	0.966325
Leng8_j4	1.63017	0.953343	0	1	1
Leng8_j5	7.78091	7.03074	0	1	1
Brsk1_j1	38.6211	38.48	0	1	1
Suv420h2_j6	1.147	1.04973	-0.127846	0.637472	0.8596
Suv420h2_j7	1.3433	1.45482	0.115062	0.607597	0.845335
Zfp628_j1	0.0471705	0.184825	0	1	1
A430110N23Rik_j1	0	0.0486334	1.79769e+308	0.0400444	1
Zfp865_j3	3.18474	3.204	0	1	1
Zfp580_j3	9.35078	10.6303	0	1	1
Epn1_j1	9.70052	8.89029	0	1	1
Epn1_j13	0	0.0624813	0	1	1
Zfp444_j2	4.72504	4.96766	0.0722402	0.697728	0.888632
Zfp444_j5	4.01116	3.58261	-0.163009	0.428734	0.742555
Zfp78_j2	0.0382184	0.08887	1.21743	0.565905	1
Olfr1344_j2	0.0511277	0.0190392	-1.42513	0.360437	1
Olfr1344_j3	0	0.158439	1.79769e+308	0.0048056	0.0492313
Usp29	0.164803	0.226646	0.459693	0.421798	0.737912
Zfp110_j1	0	0.191362	0	1	1
Zscan22	1.2448	1.48407	0.253653	0.268564	0.617508
Zfp324	0.841473	0.798686	0	1	1
Zfp446	0.17672	0.548746	1.63468	5.63E-05	0.0013192
Trim28_j2	7.93481	8.61291	0	1	1
Lig1_j2	2.37921	2.76666	0	1	1
Napa_j6	23.3219	25.2622	0	1	1
Slc8a2	0.637544	0.494931	0	1	1
Zc3h4_j4	0.470911	0.609764	0	1	1
Strn4	2.19786	2.55941	0	1	1
XLOC_029505	0.197626	0.179456	0	1	1
XLOC_029513	2.48127	2.41185	-0.040936	0.942274	0.982456
Fbxo46	1.7537	2.00497	0	1	1
Ercc2_j3	1.11267	1.41999	0.351858	0.355911	0.691824
Exoc3l2_j2	0.0563882	0.0468024	-0.26881	0.835235	1
Zfp235_j3	0.463675	0.316674	0	1	1
Plaur_j3	6.24759	11.5826	0.890586	4.55E-10	4.02E-08
Arhgef1_j2	0.285824	0.174165	0	1	1
Arhgef1	0.516211	0.282541	0	1	1
Arhgef1_j7	0.747165	0.73819	0	1	1
Arhgef1_j10	1.81938	1.72747	0	1	1
Zfp574_j3	0	0.252497	1.79769e+308	0.0002599	0.004765
Zfp574_j4	0.512346	0.223266	-1.19836	0.0155898	0.118035
Cic_j1	0.596008	0.348894	0	1	1

Megf8_j1	0	0.0475138	1.79769e+308	0.010136	1
4732471J01Rik_j1	1.38355	1.24123	0	1	1
Numb1_j2	0	0.19316	1.79769e+308	0.0374333	0.214459
Akt2_j6	0.0297374	0.113406	1.93115	0.232932	1
Akt2_j15	0.326186	0.851125	1.38367	3.34E-05	0.0008492
Gm10046	0	0.214718	0	1	1
Fbxo27_j4	2.58363	2.49745	-0.0489434	0.832432	0.945929
Sirt2_j4	10.4986	9.47985	0	1	1
Sirt2_j3	8.3256	10.7892	0	1	1
Sirt2_j2	9.09515	7.04136	0	1	1
Ech1_j1	11.6109	11.5704	-0.0050434	0.977287	0.993385
Map4k1_j2	0.336663	0.263701	-0.352402	0.464916	0.764951
Map4k1_j5	0.128059	0.151364	0.24121	0.831978	1
Rasgrp4_j2	0.0280096	0.056706	1.01758	0.548521	1
Dpf1_j5	1.59325	1.28538	-0.309779	0.217012	0.563119
Zfp30_j3	0.214626	0.37405	0.801406	0.212544	0.557606
Zfp30_j6	0.660345	0.692374	0.068333	0.835247	0.946964
Zfp790	0.359712	0.366922	0	1	1
Zfp790_j3	0	0.489876	0	1	1
Zfp382_j1	0.32405	0.499533	0	1	1
AI428936_j7	2.19394	2.0547	-0.0945941	0.656385	0.868897
Nfkbid_j5	0.131739	0.0845387	-0.640001	0.590505	1
Nfkbid_j9	0.448284	0.514679	0.19926	0.739069	0.908322
Tmem149_j1	0.871402	0.985556	0.1776	0.556709	0.819233
AK131900	0.0545738	0.168924	1.63009	0.266699	0.615721
XLOC_029650	0.238795	0.0839545	-1.5081	0.238972	0.586151
Gm12781_j3	0.0309662	0.0891669	0	1	1
Ankrd27_j3	2.14784	1.60019	-0.424638	0.114596	0.421224
XLOC_029665	0.23302	0.199621	-0.223194	0.44184	0.750327
XLOC_029665	4.88E-05	0.244253	12.2882	0.650995	0.866065
XLOC_029665	0	0.0883446	1.79769e+308	2.35E-05	1
Vstm2b_j3	2.21829	1.04607	-1.08447	0.0042663	0.0449979
Zfp788_j4	0.0709277	0.154116	0	1	1
Zfp788_j3	0.353307	0.470785	0	1	1
Zfp788_j2	0.219286	0.329786	0	1	1
Etfb_j5	4.72397	6.1228	0.37419	0.179471	0.519116
Klk5_j6	0	0.160085	1.79769e+308	0.0387243	0.219265
Shank1_j7	0.0578463	0.0557956	-0.0520728	0.940066	1
Syt3_j4	0.929737	0.692434	0	1	1
Aspdh_j2	0.0942651	0.144028	0.611557	0.244169	1
Napsa_j5	0.023054	0.161731	2.81051	0.383983	0.71322
Kcnc3_j6	4.2895	2.22991	-0.943826	5.49E-10	4.81E-08
Kcnc3_j5	3.30908	1.57185	-1.07396	1.01E-09	8.43E-08
Kcnc3_j9	2.32649	1.34047	-0.795416	0.0008435	0.0125078
Nup62_j2	11.8024	10.9554	0	1	1
Akt1s1	28.3922	35.4492	0.320259	0.0016787	0.0216975
Pnkp	6.87447	7.21733	0	1	1

Irf3_j2	0.906978	0.877929	0	1	1
Nosip_j2	10.9755	11.1879	0	1	1
Pih1d1	5.63317	6.67219	0	1	1
Plekha4_j1	0.932942	0.937579	0	1	1
Hsd17b14_j3	0.275874	0.72184	1.38767	0.027605	0.175884
Hsd17b14_j8	0	0.0570513	1.79769e+308	0.167447	1
Rasip1_j4	1.80196	1.97675	0.133563	0.56229	0.822102
Rasip1_j5	0.391824	0.597444	0.608596	0.19307	0.535465
Rasip1_j8	2.98499	2.94958	-0.0172144	0.944343	0.983433
Lmtk3_j7	0.271652	0.233801	0	1	1
AK133391_j1	0.340234	0.599307	0.816771	0.078356	0.339336
Ccdc114_j2	0.0223899	0.0777389	1.79579	0.226644	1
Ccdc114_j6	0.10738	0.0381261	-1.49387	0.265694	1
Ccdc114_j7	0.115927	0.158984	0.455667	0.525616	0.800855
Ldha_j4	96.081	89.1636	0	1	1
Tmem86a_j2	0	0.367106	1.79769e+308	0.002482	0.0296727
Nav2_j3	0.148339	0.151761	0.0329049	0.936309	0.980422
Nav2_j9	0.15818	0.22972	0.538307	0.23696	0.583799
Gas2_j1	2.80552	1.82492	-0.620435	1.57E-05	0.0004555
Luzp2_j2	23.2657	17.7328	0	1	1
Atp10a_j4	0.207111	0.198452	-0.0616155	0.925347	0.976852
Ube3a_j7	1.63645	1.3565	-0.270683	0.11124	0.415214
Otud7a_j3	0	0.0631344	1.79769e+308	0.116142	1
XLOC_029771	0.28198	0.406267	0.526835	0.645413	0.863342
XLOC_029771	0.334704	0.0701274	-2.25484	0.352217	0.68925
XLOC_029771	0.202703	0.181879	-0.156382	0.89196	0.965687
Adamts17_j1	0.497594	0.607388	0.28765	0.531427	0.803508
BC070425_j7	0	0.119103	1.79769e+308	0.0836149	1
Akap13_j4	0.332511	0.382041	0.200325	0.484913	0.776796
Akap13_j9	0	0.155877	1.79769e+308	7.22E-05	1
Ttll13_j6	0.00393172	0.0669839	0	1	1
Zfp592_j3	0.0002812	1.20554	0	1	1
Slc28a1_j1	0.041065	0.100168	1.28644	0.261583	1
AK013794_j5	0.987626	1.02212	0.0495241	0.915197	0.973525
Whamm_j3	0.419206	0.43167	0.0422673	0.943231	0.982886
XLOC_029831	0.143217	0.189371	0.403013	0.555529	0.818323
Fam103a1_j2	0.927663	1.15884	0.321003	0.407221	0.727764
Fam103a1	25.6511	19.4571	-0.398724	0.0002318	0.0043311
Adamts13	0.336775	0.294242	-0.194781	0.517845	0.796001
XLOC_029837	0.10255	0.17389	0.761844	0.409835	0.730005
AK132723_j2	0.0652608	0.0954345	0	1	1
Me3_j2	0	0.213598	1.79769e+308	0.0100021	0.0855854
Picalm_j1	1.78567	2.24058	0.327408	0.165544	0.502234
Picalm_j4	17.516	20.246	0.208965	0.0687372	0.314212
Sytl2_j3	0	1.04234	0	1	1
Odz4_j4	0	0.248337	1.79769e+308	5.53E-10	4.84E-08
Alg8_j3	0.169254	0.784178	2.21199	0.0009083	0.0132574

Ints4_j1	0	0.0505073	1.79769e+308	0.0754354	1
Ints4_j6	7.12412	8.76101	0.298385	0.151136	0.482046
Rsf1_j2	2.08291	2.13721	0.0371326	0.761135	0.917801
Lrrc32_j1	8.50E-06	0.0694212	12.9964	0.981886	1
Prkrir_j3	0.736332	0.911567	0	1	1
XLOC_029881	0.103401	0.113584	0.135509	0.854904	1
XLOC_029881	0.0610417	0.067822	0.151957	0.897499	1
XLOC_029881	0.0726433	0.1413	0.959856	0.366709	1
Gdpd5_j3	0.0620425	0.0420757	-0.560268	0.707013	1
Gdpd5_j7	5.76331	7.59888	0.398888	0.0724019	0.323811
Clpb_j5	0	0.865778	0	1	1
3200002M19Rik_j2	0.700229	0.548012	0	1	1
3200002M19Rik_j1	1.33553	1.16428	0	1	1
3200002M19Rik_j4	0.566625	0.890483	0	1	1
3200002M19Rik_j3	0.951766	0.881705	0	1	1
2400001E08Rik_j2	7.45496	7.07073	-0.0763422	0.699562	0.889447
2400001E08Rik_j4	26.1627	28.3888	0.117812	0.339174	0.679473
Numa1_j2	0.855126	1.0032	0	1	1
Numa1_j8	11.6898	12.5925	0	1	1
Trpc2_j1	0.559991	0.458849	-0.287386	0.455734	0.759463
Trpc2	1.96857	2.08083	0.0800108	0.656684	0.869048
Trpc2_j2	0.451491	0.544708	0.270786	0.316364	0.660085
Stim1_j4	0.906072	0.643107	0	1	1
Olf558	0.0459285	0.12804	1.47914	0.34715	1
Trim6_j3	0.136977	0.168802	0.301392	0.603303	0.843375
Trim34a_j2	0.0648381	0.114205	0.816717	0.505568	1
Trim34a_j1	0.171237	0.158912	-0.107773	0.856148	0.954521
Fxc1_j2	3.84508	5.00989	0	1	1
Fxc1_j1	2.60581	3.55279	0	1	1
XLOC_029922	0.197054	0.29559	0.585006	0.389159	0.716409
Dnhd1_j8	0.0480138	0.0985538	1.03746	0.156413	1
Dnhd1_j7	0.0432279	0.120977	1.48469	0.0395173	1
Ilk_j1	17.5041	21.6321	0	1	1
Syt9_j3	0.315048	0.135819	0	1	1
Ppfibp2_j7	0	0.101724	1.79769e+308	0.0187823	1
Ampd3_j2	3.15291	1.4799	0	1	1
Ctr9_j1	0.138731	0.168159	0.277536	0.625645	0.853954
Usp47	0.158035	0.173725	0.136555	0.762421	0.918127
Arntl_j5	0.0327534	0.10754	1.71516	0.13677	1
Arntl_j6	0.199753	0.444289	1.15328	0.0304406	0.187508
Tmc5_j1	0.065941	0.194182	1.55816	0.0144262	0.11185
6330503K22Rik_j3	2.40338	2.14768	-0.162285	0.435616	0.74641
Lym1_j5	1.02998	1.07636	0	1	1
Vwa3a_j2	0.0565017	0.065456	0.212231	0.905731	1
XLOC_029978	0.0388537	0.0802593	1.04661	0.630959	1
Hs3st2_j1	1.83255	1.21412	0	1	1
Plk1_j4	0.123516	0.12181	-0.020066	0.981508	1

AK140221_j1	0	0.0657048	1.79769e+308	0.0718065	1
Slc5a11_j7	0	0.089018		0 1	1
Slc5a11_j11	0.0694001	0.0683357		0 1	1
Slc5a11_j13	0.048343	0.0620301		0 1	1
Il21r_j2	0	0.0526247	1.79769e+308	0.19143	1
Rabep2_j2	0.365885	0.393288	0.104194	0.825111	0.943645
Tufm_j2	0.526185	0.762616	0.535387	0.0832502	0.351738
Apob48r_j2	0.175432	0.378152	1.10806	0.0715712	0.321704
Gdpd3_j1	0.453423	2.03573	2.16662	4.66E-14	8.06E-12
Gdpd3_j5	0.192604	0.480847	1.31994	0.0079601	0.0722989
Ypel3_j1	136.247	166.562	0.28984	0.0014784	0.0195023
Tbx6_j4	0.0162103	0.081217	2.32487	0.145604	1
Sez6l2_j8	9.07804	11.6669	0	1	1
Srcap_j3	0.596834	0.745204	0.320306	0.0992189	0.389817
Orai3_j1	7.71622	8.47637	0	1	1
Setd1a_j3	0.0200578	0.0621651	0	1	1
Stx4a_j1	17.7995	21.6791	0.284469	0.146596	0.47498
Zfp646_j3	0	0.125894	1.79769e+308	0.0001374	1
Fus_j3	1.91031	2.43969	0	1	1
Fus_j5	0.0654854	0.174248	0	1	1
Trim72_j2	0.0658801	0.126256	0.938433	0.252862	1
Trim72_j4	0.0596196	0.12277	1.0421	0.284765	1
Itgam	0.0882726	0.293096	1.73134	0.0011993	0.0165459
Itgax_j4	0	0.0532744	1.79769e+308	0.132457	1
Itgax_j6	0	0.219636	1.79769e+308	0.0133093	0.105765
Sec23ip_j3	1.11051	2.55521	1.20223	2.35E-06	8.77E-05
Ppapdc1a_j6	0.105648	0.466772	2.14346	0.0335922	0.200268
Wdr11_j2	6.88258	7.26642	0.0782941	0.605679	0.844613
Tacc2_j3	0.131867	0.21617	0	1	1
Plekha1_j4	0.879464	0.565227	-0.637795	0.288501	0.636263
Htra1_j4	0.176829	0.324079	0.873994	0.424772	0.740122
XLOC_030053	0.0522878	0.177993	1.76727	0.275494	0.624571
AK086971_j2	0.167001	0.236502	0.501999	0.595188	0.838658
Lhpp_j2	0.000271672	0.104129	8.58229	0.863329	1
Lhpp_j5	0	0.0562494	1.79769e+308	0.156234	1
XLOC_030062	0.252613	0.215088	-0.232	0.827738	0.944579
XLOC_030062	0	0.0547389	1.79769e+308	0.111844	1
Glrx3_j2	0.287495	0.194452	-0.564127	0.0913979	0.371609
XLOC_030066	5.11163	5.32716	0	1	1
XLOC_030068	0.367892	0.307169	-0.260247	0.618488	0.850115
XLOC_030068	0.0618777	0.0955634	0.627038	0.547461	1
XLOC_030067	0.0512481	0.129882	1.34163	0.36531	1
XLOC_030069	0.603297	0.242554	-1.31456	0.0083764	0.0750597
Jakmip3_j6	0.0148604	0.214587	3.85202	0.0312905	0.190953
Jakmip3_j13	0	0.064371	1.79769e+308	0.0963643	1
Jakmip3_j14	1.95357	2.93405	0.586779	0.0063437	0.0611758
Paox_j6	0.122674	0.0955152	-0.361032	0.774546	1

Athl1_j5	1.2758	1.12091	-0.186733	0.633935	0.858013
B4galnt4_j8	0.663296	1.27587	0.943753	4.57E-05	0.0011052
Pkp3_j1	0	0.0537631 1.79769e+308		0.100633	1
XLOC_030093	4.77026	4.66637	-0.0317684	0.901312	0.968662
Lrrc56_j4	0.436846	0.49102	0.168657	0.670448	0.875338
Lrrc56_j3	0.207302	0.0706845	-1.55227	0.100931	0.393398
Rassf7_j6	0.236365	0.10871	-1.12054	0.273727	0.62288
Phrf1_j6	0.295212	0.690228	0	1	1
Rplp2	0	0.163662 1.79769e+308		0.10747	0.407603
Rplp2_j7	0.813774	1.26808	0.639945	0.391492	0.71795
Cd151_j3	115.407	117.626	0	1	1
Tspan4_j1	3.24737	2.19223	0	1	1
Ap2a2_j2	0.0756146	0.124209	0	1	1
XLOC_030107	0.0772737	0.164633	1.09121	0.222923	0.569987
Muc2_j4	0.0702244	0.147365	1.06935	0.465959	1
Brsk2_j10	2.84501	2.61486	0	1	1
Lsp1_j2	0.0750215	0.0704285	-0.0911454	0.943871	1
Mrpl23_j1	0.0728035	0.200379	1.46065	0.31911	0.662469
Kcnq1_j1	0.0628145	0.0887492	0.498636	0.492926	1
Kcnq1_j6	0.0632637	0.052151	-0.278684	0.808549	1
Kcnq1_j7	0.0489133	0.138868	1.50542	0.19584	1
Slc22a18_j1	0.602488	0.569812	-0.0804458	0.879182	0.961471
XLOC_030120	0.0799694	0.111033	0.473472	0.708067	1
Nlrp12_j3	0.0788595	0.131039	0.732639	0.288071	1
Tmc4_j1	0.188521	0.0246357	0	1	1
Mboat7_j5	1.67683	1.07934	0	1	1
Lilrb3_j8	0	0.0675488 1.79769e+308		0.179898	1
Lilrb3_j10	0	0.333148 1.79769e+308		0.0344785	0.203747
Cdc42ep5_j2	0.213446	0.494602	0	1	1
Rdh13_j1	2.77445	4.49268	0	1	1
Rdh13_j2	0.619484	1.30703	0	1	1
6030429G01Rik_j10	8.44E-05	0.116987	10.4369	0.881078	1
Ppp6r1_j9	0.60162	1.14259	0	1	1
AK080857_j1	0.584783	0.402455	0	1	1
Zfp787_j5	0.33708	0.131795	-1.3548	0.135116	0.457301
Peg3_j3	3.61386	2.02184	0	1	1
Vmn2r29_j1	0.314299	1.22008	0	1	1
Ube2m_j1	17.6023	23.7807	0	1	1
Ube2m_j8	48.3953	48.634	0	1	1
Mzf1_j3	0.0231288	0.0479494	0	1	1
6330408A02Rik_j4	0.949129	0.751142	0	1	1
Sepw1_j4	209.567	275.201	0.393075	1.62E-05	0.0004679
Ehd2_j2	0	0.554282 1.79769e+308		7.45E-08	4.18E-06
Gltscr1_j2	0.560397	1.20504	0	1	1
Dhx34_j1	0.103443	0.362879	0	1	1
Ccdc9_j6	0.503481	0.357709	-0.493148	0.218654	0.564944
Calm3_j3	0.380914	0.586786	0	1	1

Ccdc61_j2	0.0438321	0.244782	2.48144	0.0254721	0.166429
Qpctl_j6	2.41724	2.41846	0	1	1
Qpctl_j5	1.34114	1.60524	0	1	1
XLOC_030204	0.0871504	0.103255	0.244635	0.841756	1
Vasp_j1	0.511667	0.903022	0	1	1
Klc3_j2	0.42671	0.441163	0.0480549	0.916285	0.973929
mKIAA1860	4.43065	4.52496	0	1	1
Mark4_j1	1.5404	2.55216	0	1	1
Bloc1s3	0.911578	0.975605	0.0979311	0.714417	0.89656
Clasrp_j3	0	0.118168	1.79769e+308	0.0332998	1
Clasrp_j4	1.40402	1.55712	0.149312	0.597741	0.84047
Clasrp_j5	0.0631138	0.108359	0.779798	0.409801	1
Apoe_j1	980.275	1013.36	0	1	1
Pvrl2_j2	1.43607	3.59346	0	1	1
Bcam_j2	219.429	308.918	0	1	1
Bcl3_j1	1.07889	2.43848	0	1	1
XLOC_030225	0	0.0832946	0	1	1
Zfp111	0.20049	0.131277	-0.610913	0.288394	0.636119
Zfp109_j2	0.0766276	0.069785	-0.134948	0.864744	1
Zfp61_j7	0	0.158575	1.79769e+308	0.0294498	0.183441
Zfp94_j8	0.405159	0.627219	0.63048	0.275275	0.624386
Cd177_j1	0	0.0808082	1.79769e+308	0.0962635	1
Pou2f2	0	0.0853986	1.79769e+308	0.0135504	1
Dedd2	0.983292	0.584396	0	1	1
Tmem91	0.11743	0.212732	0.857238	0.229633	0.576763
Ccdc97_j2	0	0.311762	0	1	1
Hnrnpul1	1.69474	2.01054	0	1	1
Axl_j3	0.593478	2.56431	0	1	1
Cyp2s1_j2	0.76695	0.619369	-0.308332	0.337712	0.678221
Egln2_j4	13.3581	20.0346	0	1	1
XLOC_030255	0.0605147	0.137709	1.18627	0.302521	1
Map3k10_j3	6.4132	7.10747	0	1	1
Timm50_j1	3.79298	5.69093	0.585336	0.0131158	0.104703
Supt5h_j4	6.77743	6.16958	0	1	1
Plekhg2_j5	0.825342	1.40885	0	1	1
Actn4_j3	7.0114	7.1462	0.0274743	0.830845	0.945436
Ryr1_j5	0.143817	0.0360016	-1.9981	0.458836	0.761335
Ryr1_j7	0.0426032	0.153912	1.85307	0.198487	1
Fam98c_j4	1.51782	1.469	-0.0471688	0.91716	0.974049
Fam98c_j5	2.96895	2.24049	-0.40614	0.0729489	0.325107
Catsperg1_j1	0.115098	0.19674	0.773426	0.254548	0.602774
Kcnk6_j1	0.094333	0.137988	0.548707	0.518532	1
Zfp27_j2	0	0.350625	0	1	1
Zfp27_j1	0.607945	0.215038	0	1	1
Zfp82_j1	0	0.150514	1.79769e+308	0.0189629	1
Zfp82_j3	0	0.156274	1.79769e+308	0.0149499	1
Wdr62_j10	0.591327	0.625055	0.0800259	0.876654	0.960786

Arhgap33_j5	1.00295	1.47973	0	1	1
Arhgap33_j6	1.64826	2.11538	0	1	1
BC053749_j7	0.33647	0.384434	0.192257	0.66482	0.873063
Wbp7_j8	0.545578	0.499298	0	1	1
Zbtb32_j3	0.0460613	0.0823511	0.838231	0.377786	1
Rbm42_j9	0.329495	0.628632	0.931959	0.30897	0.653841
Rbm42_j10	0.286108	0.33683	0.235461	0.798864	0.933125
Rbm42_j11	0	0.291013	1.79769e+308	0.0011945	0.0164932
Usf2_j2	0.134925	0.314353	0	1	1
Usf2_j1	0.049482	0.0180293	0	1	1
Usf2_j8	0.298948	0.440564	0	1	1
Fxyd7_j3	0	1.62616	0	1	1
Fxyd7_j2	170.93	194.742	0	1	1
Fxyd1_j1	2.57675	3.59752	0	1	1
Gpi1_j1	0	0.0920365	0	1	1
Gpi1_j2	68.8643	84.8707	0	1	1
Gpi1	14.7656	11.2276	0	1	1
XLOC_030329	0	0.168177	1.79769e+308	0.0573072	0.280543
Chst8_j4	0	0.321656	1.79769e+308	0.0030275	0.0346794
Pdcd5_j6	0.775936	0.604766	-0.359562	0.390433	0.717228
Zfp507_j1	1.86445	1.88218	0	1	1
XLOC_030342	0.0490631	0.103224	1.07308	0.392103	1
Pop4_j6	7.98774	10.4763	0	1	1
AK081136_j5	0.0892243	0.0307435	-1.53716	0.262925	1
AW146154_j2	0	0.0951494	1.79769e+308	0.0911261	1
AW146154_j3	0.677898	1.19321	0.815714	0.111446	0.415505
Gm5595_j1	0.110722	0.14473	0.386415	0.686351	1
Zfp715_j4	0	0.0634912	0	1	1
Siglece_j4	0	0.237443	1.79769e+308	0.0390823	0.220549
AK134755_j9	0.0926712	0.100656	0.119235	0.901028	1
Clec11a_j1	0.093375	0.120662	0.369858	0.715811	1
1700008O03Rik_j6	0	0.230926	0	1	1
Mybpc2_j2	0.767876	0.707789	-0.117554	0.503314	0.787002
Myh14_j3	1.62734	1.83278	0	1	1
Cpt1c_j4	9.28456	8.66017	0	1	1
Prmt1	22.9294	24.9085	0	1	1
Prr12_j2	0.254504	0.215842	0	1	1
Prr12_j1	0.38158	0.21022	0	1	1
Flt3l_j7	0.204387	0.565117	1.46724	0.0424314	0.232815
Ccdc155_j5	0.0603551	0.169017	1.48562	0.310422	0.655145
Ccdc155_j7	0.0773984	0.131395	0.763538	0.51669	1
Ccdc155_j6	0	0.0849356	1.79769e+308	0.075254	1
Dkl1_j1	0.640315	1.04265	0.703401	0.0346136	0.204274
Cd37_j3	0	0.166957	1.79769e+308	0.0355649	0.207791
Trpm4_j4	6.29396	7.63484	0	1	1
Trpm4_j5	0.0890353	0.0962752	0	1	1
Snrnp70_j1	14.7776	15.2953	0	1	1

Ruvbl2_j2	0.132875	0.124875	0	1	1
Bax_j1	17.8672	26.3174	0	1	1
Cyth2_j1	24.8786	29.2543	0	1	1
Grwd1_j1	1.52483	2.28263	0.582047	0.1147	0.421286
Sergef_j5	0.276914	0.0998936	-1.47097	0.241432	0.588512
Hps5	3.63342	2.88449	0	1	1
Uevld_j3	0.0775637	0.10869	0.486772	0.721675	1
Mrgpra3_j3	0.0239396	0.176361	0	1	1
XLOC_030434	0.797554	0.824875	0.0485945	0.811471	0.938053
Gabra5	0.337729	0.338622	0	1	1
lpw_j5	0.772418	0.978617	0.341363	0.520309	0.797861
Snrpn_j2	0.968414	0.488518	0	1	1
Snrpn_j10	44.3615	44.8829	0	1	1
A230057D06Rik_j4	0.652029	0.534863	-0.285766	0.387152	0.714995
Fan1_j1	0.0688061	0.147391	1.09904	0.222079	1
Tjp1_j8	0.000139776	0.110198	9.62277	0.619649	1
Aldh1a3_j1	0.000846643	0.0570275	6.07376	0.514323	1
Aldh1a3_j2	0.0602343	0.057927	-0.0563486	0.963071	1
Asb7_j3	0.776952	0.548212	0	1	1
AK038598_j8	0.0858396	0.128321	0.580044	0.570352	1
Mef2a_j4	3.64604	4.7641	0	1	1
Mef2a_j5	0.756152	2.65949	0	1	1
Lrrc28	1.84638	1.67137	0	1	1
Synm_j1	9.03413	5.60156	0	1	1
Mctp2_j8	1.87375	1.51463	0	1	1
Chd2_j11	0.270042	0.419502	0.635492	0.0101796	0.0866149
Sv2b_j3	0	0.253493	0	1	1
Ntrk3	0.0027994	0.303493	0	1	1
Ntrk3_j6	0.187057	0.228332	0	1	1
E430016F16Rik_j9	0.0842981	0.143138	0.763838	0.258504	1
E430016F16Rik_j10	0.116715	0.272545	1.2235	0.0277717	0.176623
Det1_j3	0.0588308	0.173601	1.56113	0.0287576	0.180514
Det1_j2	0.175596	0.124511	-0.495986	0.426855	0.74141
Kif7_j8	0	0.072001	1.79769e+308	0.0319207	1
Pex11a_j1	1.06937	1.32063	0	1	1
Anpep_j2	0	0.0494762	1.79769e+308	0.0529654	1
Anpep	0.233773	0.312924	0.420704	0.306857	0.652024
Ap3s2_j1	6.83647	6.77299	0	1	1
Ap3s2_j2	10.8551	9.90057	0	1	1
ldh2_j1	1.45616	1.93199	0	1	1
Rccd1_j1	0.510105	0.69722	0	1	1
Unc45a_j8	1.03541	5.20078	0	1	1
Fes_j4	0.000147478	0.41632	11.463	0.805156	0.935575
Blm_j3	0.00125816	0.0893773	6.15052	0.136428	1
Nmb_j4	2.19823	1.89253	-0.216023	0.263431	0.612269
XLOC_030530	0.190329	0.216065	0.18297	0.762581	0.918206
XLOC_030530	0.0204216	0.0529016	1.37321	0.405263	1

Rps17_j4	0.0360945	0.0750955	1.05695	0.279878	1
Cpeb1_j8	6.1153	8.93225	0	1	1
Cpeb1_j9	6.26758	6.30268	0	1	1
Ap3b2_j1	13.8707	25.9263	0	1	1
Btbd1_j5	0.000675289	0.874193	10.3382	0.431361	0.743572
Hdgfrp3_j4	4.97675	4.82247	0	1	1
Il16_j1	0	0.126491 1.79769e+308		1.10E-05	1
Il16_j6	0	0.0672333 1.79769e+308		0.0184257	1
Fah_j2	0.0882647	0.0829429	0	1	1
Fah_j6	3.60779	5.6633	0	1	1
Folh1_j2	0.350599	0.135573	0	1	1
BC048663_j2	0	0.223035 1.79769e+308		0.0538796	0.270496
Myo7a_j2	1.10688	1.87228	0.758293	0.0005839	0.0092714
Myo7a_j5	0.252576	0.34752	0.460378	0.195821	0.538405
Slco2b1_j1	0.924184	1.38686	0.585574	0.034979	0.205583
Slco2b1_j2	0.000533267	0.264482	8.95409	0.544637	0.811634
Rnf169_j4	0.0171311	0.0996487	0	1	1
Pold3_j5	0	0.255409	0	1	1
Pold3_j4	0.579291	1.3267	0	1	1
XLOC_030593	0.133619	0.187467	0	1	1
Relt_j1	1.42841	1.30982	0	1	1
Arhgef17_j2	2.64059	2.68095	0.0218838	0.884536	0.963396
Atg16l2_j9	0.210329	0.111713	-0.912851	0.103906	0.399846
Atg16l2_j8	0	0.0967758 1.79769e+308		0.0048404	1
Atg16l2_j15	0.309022	0.668276	1.11273	0.0139693	0.109316
Inpp1_j8	0	0.0923692	0	1	1
Nup98_j6	0.00449617	0.607659	0	1	1
Rhog_j1	14.3028	18.1094	0	1	1
Trim68_j3	0	0.137581 1.79769e+308		0.0198238	1
Olfr78	0	0.25745 1.79769e+308		0.0003432	0.005955
Trim30a_j9	0.141307	0.217031	0.619071	0.45273	0.757765
Trim30d_j2	0.0607523	0.0467982	-0.376487	0.816009	1
Fam160a2_j3	0	0.0852375 1.79769e+308		0.0002807	1
Taf10_j1	0.252447	0.262244	0.0549343	0.893533	0.966325
Dchs1_j3	0	0.0495018 1.79769e+308		0.0198557	1
Cyb5r2_j5	0	0.070865 1.79769e+308		0.0888122	1
Lmo1_j4	0	0.722927	0	1	1
Stk33_j3	0	0.0603095	0	1	1
Trim66_j1	0.0648018	0.0796548	0	1	1
St5_j3	0.0682568	0.0530204	0	1	1
Sbf2_j2	0.719111	1.28628	0	1	1
Eif4g2_j1	0	0.105896	0	1	1
Dkk3_j2	15.0744	14.3359	0	1	1
Copb1_j1	8.12012	9.80286	0.2717	0.13038	0.449632
Calca_j3	0	0.281103	0	1	1
Sox6_j5	0	0.0833675 1.79769e+308		0.0862235	1
Plekha7_j9	0	0.0840186 1.79769e+308		0.0074043	1

Rps13_j1	0.978439	1.32971	0.442563	0.12567	0.441571
Pik3c2a_j5	0.121313	0.159476	0.394606	0.399792	0.72333
Pik3c2a_j6	0.0605738	0.223871	1.8859	0.0002898	0.0051927
2310008H09Rik_j2	0.47646	0.344192	0	1	1
Gpr139_j2	0.000195838	0.777458	0	1	1
Usp31_j1	0.050044	0.0345428	0	1	1
Ears2	1.10841	1.01234	-0.130795	0.444761	0.752448
Ndufab1	2.86459	3.54615	0	1	1
Arhgap17_j2	0.0354462	0.0561444	0	1	1
Nsmce1_j3	4.50274	6.25669	0.474598	0.0264282	0.170807
Gtf3c1_j6	0.775546	0.436712	0	1	1
Spns1_j1	8.46162	9.74487	0.203709	0.216941	0.563111
Nfatc2ip_j3	0.187933	0.239027	0.346955	0.556123	0.818696
Cln3_j6	0	0.210911	1.79769e+308	0.0095015	0.0824333
Coro1a_j10	25.5157	23.8142	-0.0995662	0.411416	0.730688
Ppp4c_j1	7.59208	8.60605	0.180857	0.394098	0.719811
Taok2_j6	0.268069	0.315247	0.233879	0.425116	0.740393
Taok2_j7	1.80297	1.65596	-0.122707	0.590695	0.836695
BC099577_j2	0	0.143302	1.79769e+308	0.0014712	1
Tbc1d10b_j2	0.0809043	0.554372	2.77657	0.0003618	0.0062193
Sept1_j4	0.2777	0.431677	0.636426	0.294903	0.641532
Sept1_j6	0.0446449	0.0579831	0.377137	0.865886	1
Gm4532	0.687322	0.522254	-0.396233	0.508333	0.790256
Gm166_j3	0.416053	0.451904	0.119247	0.831846	0.945814
Bcl7c_j1	0.300781	0.278182	0	1	1
Zfp668_j5	0	0.525313	1.79769e+308	2.26E-11	2.58E-09
Prss53	0.119322	0.084174	-0.503413	0.322167	1
Vkorc1_j1	10.5273	13.2688	0.333899	0.0717652	0.322189
Prss36_j4	0.881237	0.588639	-0.582147	0.283358	0.631755
Prss36_j7	0.0627122	0.124513	0.989483	0.179357	1
Prss36_j8	0.546529	0.46372	-0.237044	0.627038	0.854469
BC017158_j2	2.94252	3.6415	0	1	1
Tial1_j2	0.527843	0.304367	0	1	1
Fgfr2_j4	2.34E-05	0.303039	13.6578	0.981294	0.994152
Fgfr2_j5	0.0292699	0.0791317	1.43484	0.243243	1
Ate1_j5	0	0.0470527	0	1	1
2310057M21Rik_j3	6.78765	6.67196	-0.0248019	0.882732	0.962684
Ikzf5_j4	0.388532	0.403091	0	1	1
Chst15_j1	3.38461	1.90556	0	1	1
Chst15	2.34239	1.35758	0	1	1
Mettl10_j1	0.0556192	0.0613729	0.14202	0.828717	1
Ctbp2	0.0876099	0.151353	0	1	1
D7Ert443e_j8	0.152033	0.0800912	-0.924664	0.385175	0.713848
D7Ert443e_j9	0.165033	0.256011	0.633453	0.411041	0.730555
Fam196a_j2	0	0.124024	0	1	1
Ebf3_j4	2.20637	2.21684	0	1	1
Ebf3_j5	0.740902	0.623035	0	1	1

Ebf3_j7	0	0.408888	0	1	1
9430038I01Rik_j4	0.776644	0.75824	-0.0345979	0.950169	0.985614
9430038I01Rik_j5	0.157988	0.190745	0.271832	0.758964	0.917041
Tcerg1l_j3	0.548793	0.963838	0.812528	0.0813614	0.347413
Bnip3_j2	0.085458	0.139479	0	1	1
Stk32c_j3	0.145829	0.361846	0	1	1
Adam8_j6	2.50746	12.8555	2.35809	0	0
Adam8_j7	1.37507	1.60102	0.219485	0.154795	0.487987
Sprn_j1	3.28588	3.3592	0.031838	0.850177	0.952363
Sprn_j2	0.964999	1.40687	0.543888	0.102943	0.397582
Zfp941_j1	0.579792	0.711866	0.29607	0.334683	0.675451
Sirt3_j1	5.2972	5.01848	0	1	1
Sigirr_j2	0.0422943	0.0987284	1.223	0.343058	1
Sigirr_j8	0	0.0608276	1.79769e+308	0.118554	1
B230206H07Rik_j4	0.339425	0.719918	1.08474	0.006672	0.0634623
B230206H07Rik_j5	0.174347	0.577805	1.72862	1.68E-05	0.0004808
Cend1_j1	25.9571	39.7037	0	1	1
Slc25a22_j6	7.9342	7.97508	0	1	1
Slc25a22_j7	0	0.0691201	0	1	1
Lrdd_j5	0.568843	0.490159	-0.214779	0.534017	0.805363
AK149132_j1	2.31679	2.43463	0	1	1
Chid1_j1	3.18121	2.97678	0	1	1
RP23-118G3.2_j1	0.612978	0.526841	-0.218468	0.397165	0.721578
6330512M04Rik_j3	0.43438	0.295585	-0.555384	0.62006	0.850928
6330512M04Rik_j2	0.362377	0.218736	-0.728299	0.431488	0.74365
Th_j2	5.06627	7.74086	0	1	1
Nap1l4_j6	0	3.63026	0	1	1
Cars_j6	2.8996	3.32367	0	1	1
Mrgpre_j3	3.46751	4.61252	0	1	1
Nadsyn1_j8	0	0.108014	1.79769e+308	0.027076	1
Ppfi1_j8	0.420532	0.530701	0	1	1
Ppfi1_j9	0.5557	1.0968	0	1	1
Tpcn2_j5	0.174212	0.459733	1.39996	0.0213644	0.147376
Myadm_j2	24.1078	21.8288	0	1	1
Cnot3_j1	1.38543	0.920784	-0.589394	0.0343037	0.202972
Cnot3_j6	1.76932	1.80657	0.0300527	0.902072	0.968734
Ttyh1	18.9553	16.7401	0	1	1
Leng8_j8	5.86734	5.78868	0	1	1
Lilra5_j2	0	0.0896974	1.79769e+308	0.0622329	1
Eps8l1_j4	0.391149	0.313536	0	1	1
Suv420h2_j8	0.489184	0.593712	0.279386	0.533602	0.805224
Rpl28_j3	2.42521	2.72096	0.166009	0.545535	0.812425
Rpl28_j2	0.327356	0.487501	0.574544	0.35294	0.689667
XLOC_029467	0.019163	0.136496	2.83246	0.136305	1
Nat14_j3	1.61303	2.49885	0	1	1
A430110N23Rik_j2	0.0626381	0.160832	1.36044	0.162897	0.498174
A430110N23Rik_j4	0.000162779	0.213363	10.3562	0.911452	0.972265

A430110N23Rik_j7	0	0.495973	1.79769e+308	0.000354	0.0061103
Zfp524_j2	3.63457	3.57485		0	1
Zfp580_j1	0.0790482	0.0634198		0	1
Ccdc106_j1	0.211957	0.219599		0	1
Ccdc106	0.751047	0.618382		0	1
Epn1_j3	0.288703	0.157923		0	1
Epn1_j2	3.8096	5.94163		0	1
Epn1_j11	0.0736983	0.285262		0	1
Zfp78_j6	0.200595	0.353928	0.819168	0.32698	0.66996
Zfp418_j1	0.152382	0.252657	0	1	1
Zfp324_j2	0	0.184712	0	1	1
Zfp324_j1	0	0.315201	0	1	1
Pla2g4c_j2	0.000239366	0.141511	9.20748	0.876628	1
Napa_j2	0.407124	0.0897745	0	1	1
Kptn_j1	37.2107	44.3949	0	1	1
Slc8a2_j1	0.837947	0.951927	0	1	1
Tmem160_j2	25.658	32.1694	0.32628	0.0472086	0.249396
XLOC_029499	0.0545726	0.0473278	-0.20549	0.916115	1
Slc1a5_j2	5.00582	5.7958	0	1	1
XLOC_029501	0	0.0837475	0	1	1
Ptgir_j1	19.6844	18.6324	0	1	1
XLOC_029514	0.0753796	0.13101	0.797428	0.780095	1
Mill2_j4	0.0613314	0.0441564	0	1	1
Sympk_j3	4.61078	7.58002	0	1	1
Dmwd_j3	17.5992	19.019	0	1	1
Dmpk_j4	0	0.140304	0	1	1
Dmpk_j3	1.23608	1.31635	0	1	1
Dmpk_j11	0.357702	0.651419	0	1	1
Eml2_j2	18.9299	18.2002	-0.0567132	0.599321	0.841178
Ppp1r13l_j4	0.616284	0.666568	0.113157	0.722742	0.901273
Ppp1r13l_j3	1.2665	1.50637	0.250224	0.234833	0.582023
XLOC_029542	0.391541	0.591726	0	1	1
AK043814_j4	0.410994	0.419733	0	1	1
AK043814_j5	1.42624	1.63218	0	1	1
Zfp112	0.243442	0.320757	0	1	1
Zfp112_j1	0	0.0574356	0	1	1
Zfp235_j4	0.922903	1.24754	0	1	1
Ceacam10_j2	0.133846	0.19854	0.568853	0.702174	0.890793
Zfp574_j2	4.76252	4.8765	0.0341204	0.811704	0.938243
Zfp526_j2	0.394426	0.686863	0	1	1
Cic_j7	0	0.0981798	0	1	1
Megf8_j4	0.0522486	0.0450862	-0.212706	0.777508	1
Megf8_j8	7.1284	7.74016	0.118784	0.370965	0.703951
Prx_j1	1.84401	2.21186	0	1	1
Prx_j2	0	2.23683	0	1	1
Hipk4_j1	3.15676	4.58754	0	1	1
Akt2_j3	0.280829	0.476354	0.762343	0.391303	0.717886

Akt2_j11	0	0.168387	1.79769e+308	0.0014048	0.0187498	
Zfp60_j1	0	0.15265	1.79769e+308	0.000569	1	
XLOC_029591	1.2735	1.51002		0.245766	0.366307	0.700074
4933426l21Rik_j1	0.183331	0.718721		1.97098	0.109691	0.412083
Paf1_j1	4.97316	5.75668		0.211074	0.168989	0.505754
Paf1_j2	3.96511	5.51449		0.475866	0.0010115	0.0144422
Sirt2_j1	0	0.241944		0	1	1
Lgals4_j2	0.749722	0.873332		0.220174	0.38773	0.715426
Map4k1_j4	0	0.105456	1.79769e+308		0.0703716	1
Rasgrp4_j1	0	0.186385	1.79769e+308		0.0372851	0.214026
XLOC_029613	0	0.182669	1.79769e+308		0.142607	0.469297
Yif1b	4.50048	5.76676		0.357684	0.179886	0.51951
Dpf1_j1	0.337282	0.397109		0.235578	0.648498	0.864697
mKIAA0961	0.636634	0.751058		0.238461	0.544012	0.811174
Zfp30	0.413652	0.289216		-0.516267	0.25237	0.600387
AK138949_j2	19.4798	21.3092		0.129502	0.309756	0.654331
Zfp382_j5	0	0.143476		0	1	1
Alkbh6_j5	2.45207	2.5412		0.0515075	0.885634	0.963692
AI428936_j11	1.68174	1.36791		-0.297979	0.410383	0.730298
Nfkbid_j8	0.105737	0.165304		0.644643	0.430878	0.743374
AK131900_j1	0.0432072	0.232058		2.42514	0.143617	0.470722
Lgi4	7.79992	8.45755		0	1	1
Lgi4_j1	5.05439	5.86324		0	1	1
XLOC_029644	0.085261	0.0871819		0	1	1
XLOC_029663	0.0359118	0.0882997		1.29795	0.378738	1
XLOC_029665	0.189602	0.338606		0.836633	0.0305409	0.187939
Zfp788_j6	0.830301	0.837811		0	1	1
Zfp658_j1	0	0.0599628	1.79769e+308		0.0312992	1
Zfp658_j3	0	0.331911	1.79769e+308		1.02E-05	0.0003142
Klk10_j1	0.0135075	0.0582295		2.10799	0.384821	1
Klk5_j7	0	0.193769	1.79769e+308		0.0112197	0.0933773
Klk5	0.395592	0.0289434		-3.77271	0.0376067	0.215137
Shank1_j10	1.29057	0.834127		-0.629672	0.0019917	0.024885
Josd2_j5	1.07438	1.9277		0.843371	0.0686061	0.313818
Napsa_j3	0.0263255	0.0523251		0.991039	0.639678	1
Napsa_j7	0.0454339	0.0997045		1.13389	0.317112	1
Kcnc3_j2	2.4858	0.918293		-1.43668	1.94E-08	1.29E-06
Tsks_j1	0.153645	0.12304		-0.320471	0.689249	0.884784
AK042966	0.62488	0.349157		0	1	1
XLOC_029719	0.0208961	0.111031		2.40966	0.210722	1
Plekha4_j3	9.11113	10.9937		0	1	1
Plekha4_j6	1.26255	1.1739		0	1	1
Hsd17b14_j2	0.0469821	0.143744		1.61332	0.12712	1
XLOC_029724	0.218547	0.208814		-0.0657291	0.926979	0.97741
Rasip1_j7	1.12321	1.42905		0.347429	0.460888	0.762257
Ntn5	0.208037	0.335149		0.687964	0.341095	0.681029
Car11_j6	18.0249	22.5688		0	1	1

Lmtk3_j8	0.0660859	0	0	1	1
Tmem143	2.39077	1.81645	0	1	1
Kcnc1_j1	2.97671	2.42979	0	1	1
Ldha_j3	3.87301	18.6092	0	1	1
Nav2_j6	0.441039	0.342234	-0.365924	0.224976	0.572175
Nav2_j7	0.0555886	0.25676	2.20756	1.03E-05	0.0003175
Htatip2_j1	14.4761	17.1716	0	1	1
Prmt3_j1	5.5907	4.46831	-0.323301	0.10108	0.39362
Prmt3_j4	1.2997	0.615696	-1.07789	0.152744	0.484689
Luzp2_j3	0	1.32219	0	1	1
Atp10a_j3	0.0345689	0.210736	2.60789	0.002467	0.0295306
Ube3a_j1	1.23594	1.21448	-0.0252803	0.899097	0.96767
XLOC_029771	1.13879	0.17202	-2.72685	0.0071502	0.0669529
XLOC_029771	0.100957	0.0361077	-1.48336	0.360173	1
Mcee_j2	8.3255	9.3393	0.165778	0.421986	0.738161
Apba2_j5	0.135855	0.0582245	0	1	1
Apba2_j11	0.39045	4.42539	0	1	1
Chsy1_j3	0.000173966	0.359939	0	1	1
Chsy1_j4	1.28227	1.13094	0	1	1
Adamts17_j4	0.234579	0.189767	-0.305843	0.481766	0.775249
Fam169b_j1	0.0709831	0.142467	1.00508	0.244493	1
Fam169b_j3	0	0.18269	1.79769e+308	0.0035981	0.0398023
XLOC_029791	0.0401997	0.254648	2.66325	0.208048	0.55225
BC070425_j2	0	0.104961	1.79769e+308	0.0231712	1
Zfp710_j3	0	0.115926	1.79769e+308	0.0252936	1
Sema4b_j1	12.3774	12.8632	0.0555399	0.59373	0.838143
Ttll13_j1	0.0391416	0.126676	0	1	1
Zfp592_j1	0	0.098877	0	1	1
Whamm_j2	0.891432	1.48331	0.734627	0.0097192	0.0838932
Sh3gl3_j1	0	0.372332	1.79769e+308	0.0023149	0.0280248
Adamts13_j5	0.220046	0.250016	0.184213	0.663195	0.872414
XLOC_029837	0.0643061	0.146315	1.18605	0.221924	1
Mex3b_j1	1.38383	1.73977	0.330233	0.171074	0.507955
Ctsc_j1	0.1341	0.789038	2.55679	6.34E-06	0.0002087
Rab38_j1	0.712611	0.782402	0.134795	0.787363	0.929083
Picalm_j3	2.20998	3.01631	0.448751	0.0558135	0.276139
Prpcp_j1	1.24702	1.53036	0	1	1
Odz4_j3	0.216492	0.348841	0.688256	0.0104137	0.0881213
Odz4_j1	0.0436689	0.0610305	0.482926	0.406879	1
Nars2_j2	0.253446	0.282102	0.154538	0.828466	0.944579
Lrrc32	0.400902	0.304447	-0.397058	0.263834	0.612653
Prkrir_j2	0.114016	0.34709	0	1	1
Arrb1_j5	5.46728	7.16997	0	1	1
Fam168a_j1	24.5101	22.5573	-0.11978	0.171568	0.508581
Arap1	0.305243	0.499415	0.710281	0.0394712	0.222024
Arap1_j3	0.620194	0.947637	0.611614	0.0099963	0.0855854
Pde2a	2.10879	1.79417	-0.233093	0.239548	0.586945

Pde2a_j2	1.48781	1.48058	-0.00702789	0.975406	0.992893
3200002M19Rik_j5	0.160482	0.0565633	0	1	1
3200002M19Rik_j8	1.28464	0.920005	0	1	1
Numa1_j7	0	0.148741	0	1	1
Pgap2_j3	0.361416	0.572414	0	1	1
Stim1_j1	0.852547	0.103404	0	1	1
Trim6_j1	0	0.0988873	1.79769e+308	0.0118368	1
Trim6_j8	0.0819689	0.261116	1.67154	0.0354148	0.207369
XLOC_029917	0.351165	0.459872	0.389084	0.461078	0.762373
AK136817_j1	3.48592	3.50697	0.00868421	0.952197	0.986165
Syt9_j1	0	0.187262	0	1	1
Ppfibp2_j11	0	0.637976	1.79769e+308	1.23E-05	0.0003702
D930014E17Rik_j2	0.272414	0.187696	-0.537403	0.651247	0.866096
Usp47_j4	14.2047	16.9982	0.259007	0.0287402	0.180466
Mical2_j7	1.50769	1.89214	0.327683	0.0751799	0.33096
Tead1_j3	0.697059	0.232204	-1.58589	8.28E-07	3.52E-05
Arntl_j4	0.354212	0.163283	-1.11724	0.0861294	0.358595
XLOC_029959	0.0139495	0.0679493	2.28424	0.461725	1
AK045786_j1	0	0.470003	1.79769e+308	0.0084781	0.0757755
AK045786_j5	0.170259	0.390449	1.1974	0.323065	0.666102
AK045786_j6	0	0.396087	1.79769e+308	0.0678538	0.311782
Tmc5_j2	0.137742	0.242194	0.81419	0.128278	0.446393
Tmc5_j5	0.110952	0.32364	1.54445	0.176032	0.514631
9030624J02Rik_j4	1.02872	0.384374	0	1	1
Tmem159_j1	1.07526	3.74005	1.79837	5.16E-05	0.0012254
Vwa3a_j3	0	0.0754566	1.79769e+308	0.0836993	1
Vwa3a_j5	0.0808895	0.0607411	-0.413281	0.751058	1
Polr3e_j3	0.0489793	0.0392307	0	1	1
Polr3e_j5	0.401186	0.914798	0	1	1
Hs3st2_j3	3.20471	1.15794	0	1	1
2010110P09Rik_j2	4.79038	6.27606	0	1	1
Rbbp6_j5	0.149564	0.205909	0	1	1
Slc5a11_j6	0.0902241	0.213702	0	1	1
Slc5a11_j9	0.0802513	0.0677937	0	1	1
Slc5a11_j15	0.143949	0.144365	0	1	1
XLOC_029992	0	0.10882	1.79769e+308	0.101033	1
XLOC_029992	0.0787199	0.252614	1.68213	0.130627	0.450005
Hs3st4_j1	2.25534	1.05409	-1.09734	5.65E-05	0.0013229
Jmjd5_j1	0.00866634	0.485051	0	1	1
Il21r_j4	0	0.0584028	1.79769e+308	0.113087	1
D430042O09Rik_j3	0.0380461	0.200005	0	1	1
Rabep2_j4	2.60862	3.28782	0.333843	0.174031	0.512068
Ccdc101	0.184261	0.222944	0.274933	0.741106	0.909246
Ypel3	5.82156	7.881	0.436972	0.172008	0.509127
Sez6l2_j3	0.00147946	0.19837	0	1	1
Sez6l2_j6	0	0.217603	0	1	1
Sez6l2_j7	8.24319	7.39517	0	1	1

XLOC_030012	0	0.411741	1.79769e+308	3.73E-05	0.0009295
AK045290_j1	1.98169	2.01816	0.0263093	0.850896	0.952632
Fbrs_j4	1.16105	1.01122	-0.199326	0.527802	0.801757
Rnf40_j4	0.707438	0.919964	0.378973	0.171551	0.508581
Ctf1_j2	0.106347	0.186392	0	1	1
Fbxl19_j4	0.489605	0.476422	0	1	1
Fbxl19_j5	1.09356	1.50092	0	1	1
Fbxl19_j8	1.01502	0.493647	0	1	1
Setd1a_j7	1.38405	0.822029	0	1	1
XLOC_030025	0.0667621	0.240363	1.84812	0.144527	0.471765
Fus_j4	2.24346	1.32904	0	1	1
Ilgax_j1	0.0326742	0.127156	1.96038	0.185309	1
Ilgad_j2	0.0591899	0.19653	1.73133	0.230043	0.577078
Inpp5f_j1	29.0718	31.2209	0.102895	0.280722	0.629223
Sec23ip_j1	1.22197	0.424166	-1.52651	5.55E-05	0.0013034
Ppapdc1a_j2	0.144193	0.16866	0.22612	0.835117	0.946964
Plekha1_j2	4.08954	3.7866	-0.111034	0.640589	0.861179
Plekha1	8.7089	8.97634	0.0436357	0.79883	0.933125
XLOC_030053	0.0995037	0.189586	0.930031	0.0946847	0.379369
AK086971_j1	0.0685686	0.128879	0.910396	0.496226	1
Lhpp_j4	0.583829	1.22423	1.06826	0.0307635	0.188895
Lhpp_j6	0.739707	0.965791	0.384758	0.484947	0.776802
Fam175b_j1	2.76617	3.72409	0.428998	0.0367611	0.212054
Zranb1_j2	2.6547	2.83662	0	1	1
Fank1_j2	0.03989	0.0807723	0	1	1
Fank1_j1	0.669916	0.412459	0	1	1
XLOC_030060	0.0404173	0.0626775	0.632975	0.71137	1
Dock1_j2	0.833152	0.893028	0	1	1
XLOC_030062	0.236699	0.249147	0.073947	0.927779	0.977629
Ptpre	0.170482	0.435407	0	1	1
Ptpre_j3	0.781571	1.07812	0	1	1
Glrx3_j10	31.4687	39.2717	0.319574	0.0809298	0.346358
XLOC_030066	2.16102	2.36748	0	1	1
XLOC_030069	0	0.0598847	1.79769e+308	0.126335	1
Ppp2r2d_j2	0.120419	0.110185	0	1	1
Jakmip3_j8	0	0.43333	1.79769e+308	7.28E-05	0.0016377
Jakmip3_j10	0.0212792	0.0868423	2.02896	0.224038	1
Dpysl4_j2	1.59472	1.30611	-0.288027	0.212717	0.557725
Dpysl4_j6	1.0639	1.82581	0.779172	0.015241	0.116243
Kndc1_j2	1.18526	0.842701	0	1	1
Paox_j7	0.0175604	0.207548	3.56305	0.256952	0.605736
Paox_j8	0.00585034	0.482029	6.36446	0.0041775	0.0442627
B4galnt4_j9	0.06519	0.271824	2.05995	0.00304	0.0348063
B4galnt4_j10	0.525598	1.37687	1.38936	6.03E-06	0.0001995
Pkp3	0.0885111	0.218188	1.30164	0.0481703	0.252582
Phrf1_j8	0.785682	0.375029	0	1	1
Eps8l2_j1	1.10187	0.911685	-0.273353	0.218554	0.564944

Cd151_j1	0.651223	0.671463	0	1	1
Cd151_j2	2.12153	0.952043	0	1	1
Cd151_j11	2.61064	2.75362	0	1	1
Ap2a2_j1	0.197558	0.249612	0	1	1
Lsp1	0	0.0693616 1.79769e+308		0.106751	1
Lsp1_j5	0	0.0630814 1.79769e+308		0.102123	1
Mrpl23_j3	0.130612	0.0994432	-0.393345	0.750391	1
Cd81_j3	41.4223	46.9974	0	1	1
Kcnq1_j5	0.0431973	0.0818075	0.921292	0.493752	1
Kcnq1_j8	0.103927	0.104124	0.00273053	0.997169	1
Kcnq1_j9	0.129868	0.132328	0.0270762	0.981075	1
Dhcr7_j3	0.976084	1.01179	0.0518315	0.900247	0.968284
Dhcr7_j7	0	0.334094 1.79769e+308		0.0158078	0.11926
Shank2_j6	0.017582	0.141649	3.01015	0.000298	1
Mrgprf_j1	0.250255	0.150279	-0.735761	0.386607	0.714571
Nlrp12_j1	0.0543576	0.122571	1.17307	0.394458	1
Tmc4_j7	0.321844	0.387629	0	1	1
Mboat7_j4	0	1.19048	0	1	1
Lilrb3_j7	0	0.130621 1.79769e+308		0.082512	1
Lilrb3_j11	0	0.160725 1.79769e+308		0.0380885	0.2169
Rdh13_j6	0.700409	0.828423	0	1	1
Tnnt1_j2	0	0.0668405 1.79769e+308		0.0899645	1
6030429G01Rik_j4	0	0.0771779 1.79769e+308		0.0224447	1
Ptprh_j1	0.078093	0.169107	1.11467	0.311956	0.656418
Ppp6r1_j3	4.45559	4.34792	0	1	1
Zfp787_j2	0	0.529695 1.79769e+308		0.0003178	0.0056087
Peg3_j2	7.15943	12.6534	0	1	1
Zscan18_j2	0	0.189075 1.79769e+308		0.000944	0.0136487
Ube2m_j9	24.2493	26.8101	0	1	1
Mzf1_j4	0.058216	0.0785588	0	1	1
6330408A02Rik_j1	0.194905	1.76815	0	1	1
Sepw1_j3	3.9867	3.77451	-0.0789051	0.817973	0.940936
Gltscr1_j4	0.0413968	0.233899	0	1	1
Dhx34_j4	2.01789	2.14539	0	1	1
Ccdc9_j1	1.57246	1.55871	-0.0126729	0.951681	0.98604
Ccdc9_j5	0.508338	0.302716	-0.747822	0.0724714	0.323898
Ccdc9_j9	1.23831	1.01125	-0.292226	0.34042	0.680518
Ccdc61_j5	0.0234641	0.150171	2.67808	0.0970648	1
Qpctl_j4	0	0.344903	0	1	1
Vasp	22.2831	21.7865	0	1	1
Klc3_j1	1.37103	1.66195	0.277615	0.428313	0.742274
Mark4_j6	0.126412	0.183454	0	1	1
Clasrp_j1	0.25621	0 -1.79769e+308		4.00E-05	0.0009876
Relb_j1	7.50E-05	0.937234	0	1	1
Relb_j2	0.179015	0.166795	0	1	1
Relb	1.85453	1.76516	0	1	1
Clptm1_j1	11.8502	15.2859	0.367296	0.0493974	0.256438

Tomm40	3.82716	3.14862	0	1	1
Bcam_j5	17.376	50.5949	0	1	1
Bcl3_j4	0.0804726	0.0893333	0	1	1
Pvr_j1	1.96565	3.87084	0.977636	1.70E-06	6.56E-05
XLOC_030225	0.139429	0.309237	0	1	1
XLOC_030225	0.120362	0.223299	0	1	1
XLOC_030225	0.0562908	0.155718	0	1	1
XLOC_030225	0.0442948	0.111516	0	1	1
Zfp111_j3	0.311193	0.425473	0.451259	0.205248	0.549641
Zfp61_j2	0.372318	0.327775	-0.18383	0.623307	0.852781
Pou2f2_j4	0.0485517	0.0401577	-0.273845	0.827383	1
Pou2f2_j6	0	0.107342	1.79769e+308	0.0076735	1
Pou2f2_j5	0.219288	0.220287	0.00655613	0.988947	0.996607
Ceacam1	0.173501	0.327779	0	1	1
Hnrnpul1_j1	0.0587633	0.501883	0	1	1
Axl_j1	0	0.209054	0	1	1
Egln2_j2	0.115194	0.161042	0	1	1
Egln2_j5	4.90101	5.64052	0	1	1
Egln2_j6	0	0.202552	0	1	1
Itpkc_j1	1.42722	2.13138	0.578584	2.27E-05	0.0006132
Ltbp4_j1	0.110067	0.160745	0	1	1
Spnb4_j1	1.57524	1.59215	0.0153981	0.9281	0.977771
Spnb4_j2	0	0.215734	1.79769e+308	6.88E-07	3.00E-05
Spnb4_j14	0.373198	0.0931278	-2.00266	0.0609517	0.291245
Pld3_j2	10.717	17.2637	0	1	1
Zfp780b_j5	0.427277	1.02458	0	1	1
BC089491_j1	1.71497	1.55494	-0.141321	0.61737	0.84948
Supt5h_j1	10.246	13.9175	0	1	1
Supt5h_j8	0.115777	0.157951	0	1	1
Plekhg2_j2	0.105683	0.184785	0	1	1
Pak4_j3	0.504027	0.988997	0	1	1
Pak4_j6	0.43763	0.870084	0	1	1
Actn4_j4	7.70433	9.49283	0.301168	0.0310176	0.189865
Zfp14_j4	0.13827	0.548178	0	1	1
Zfp14	1.80236	1.07189	0	1	1
Tbcb_j3	17.1593	18.2339	0.0876359	0.413969	0.732606
Wdr62_j4	0.362636	0.69118	0.93054	0.154231	0.487254
Wdr62_j5	0.0360104	0.0914369	1.34436	0.121774	1
Wdr62_j6	0.106799	0.17102	0.679269	0.221504	0.568639
Arhgap33_j8	0.560441	1.08204	0	1	1
BC053749_j4	0.317998	0.423051	0.411813	0.339102	0.679393
Wbp7_j7	0.391074	0.320921	0	1	1
Zbtb32_j5	0.0155861	0.0771903	2.30816	0.2195	1
Cox6b1_j1	267.084	271.259	0.0223776	0.811053	0.938047
Tmem147_j1	23.3403	21.6614	-0.107691	0.496116	0.783139
Usf2_j11	2.08545	1.33727	0	1	1
Usf2_j12	0.0190638	0.166815	0	1	1

Lsr_j3	0.292237	0.441884	0.596528	0.0700256	0.317628
Lsr_j4	0.064255	0.184147	1.51898	0.0863404	0.359
Fxyd5_j5	2.97859	4.12113	0	1	1
Fxyd7	184.582	198.157	0	1	1
Fxyd1	38.4504	47.215	0	1	1
Fxyd3_j1	7.36327	9.0064	0	1	1
Fxyd3_j2	5.4408	6.27131	0	1	1
Hpn_j3	0.0709166	0.172581	1.28308	0.346483	0.685483
Hpn_j5	0.196587	0.153372	-0.358131	0.666085	0.87348
Scn1b_j3	11.7308	7.4478	-0.65542	0.0002772	0.0050075
Scn1b_j4	0.0746396	0.324125	2.11854	0.0620333	0.294737
Gramd1a_j4	13.9227	18.9426	0	1	1
Gpi1_j4	5.51964	5.37697	0	1	1
4931406P16Rik_j6	0.643479	1.54175	0	1	1
XLOC_030330	0.0815051	0.126458	0.633691	0.362286	1
Kctd15	0	0.393572	0	1	1
Lrp3_j2	8.33431	10.0673	0	1	1
Pdcd5_j9	0.16545	0.180409	0.124878	0.901523	0.968734
Pdcd5_j10	0.0834078	0.410404	2.29879	0.0170216	0.125845
Pop4_j2	0.626793	2.01025	0	1	1
BC063263_j6	0.056174	0.532479	0	1	1
BC063263_j7	0.479394	0.431952	0	1	1
RP23-390N24.1_j1	0.0923987	0.110814	0.262201	1	1
Gm5595	0.361758	0.598227	0.725668	0.045775	0.24486
4931406B18Rik_j1	0	0.245219	1.79769e+308	0.0002823	0.0050832
Cd33_j4	0	0.10294	1.79769e+308	0.109032	1
Cd33_j5	0.0357364	0.133468	1.90103	0.0936503	1
Siglece_j5	0	0.135153	1.79769e+308	0.0653955	1
AK134755_j1	0.0178972	0.074637	2.06015	0.308879	1
AK134755_j2	0.118785	0.0776874	-0.6126	0.509061	1
1700008O03Rik_j7	0	0.39096	0	1	1
Pold1_j2	0.323403	0.559407	0	1	1
Myh14_j5	9.62484	9.50818	0	1	1
Tbc1d17	0.860258	1.53976	0	1	1
Ptov1_j3	66.8084	75.1566	0	1	1
Ptov1_j4	4.30236	3.39111	0	1	1
Ptov1	2.33482	2.68934	0	1	1
Ap2a1_j4	45.6549	44.5498	0	1	1
Cpt1c_j2	0.516274	0.371136	0	1	1
Cpt1c_j1	2.16749	2.39168	0	1	1
Scaf1_j3	11.8769	13.0707	0	1	1
Rcn3_j1	0.314263	0.808583	1.36342	0.0163377	0.122254
Rpl13a_j5	0.784517	0.385051	-1.02675	0.222363	0.569453
Flt3l_j3	0.088956	0.0665876	-0.417839	0.767046	1
Flt3l_j14	0.127949	0.181633	0.505452	0.672726	0.876472
Dkk1_j2	0.0438083	0.103176	1.23583	0.388497	1
Cd37	0.133079	0.0309383	-2.10481	0.331996	1

Trpm4	0.365114	0.468322	0	1	1
Ppfia3_j2	1.87817	1.95473	0	1	1
Snrnp70_j3	4.67309	5.17284	0	1	1
Dhdh_j2	0.113919	0.242969	0	1	1
Nucb1_j1	31.7705	32.8084	0	1	1
Sec1_j2	0.12713	0.16908	0.4114	0.429928	0.743005
Sphk2_j2	12.6362	13.4354	0	1	1
Sult2b1	0	0.298544 1.79769e+308		0.004146	0.044054
Sult2b1_j2	0	0.0897689 1.79769e+308		0.0877979	1
Grin2d_j1	0.16389	0.150204	-0.125803	0.876055	0.960645
Saa1	0	0.10351 1.79769e+308		0.162654	1
Hps5_j1	4.7316	4.52149	0	1	1
Tsg101_j2	41.9498	42.5136	0.019262	0.908147	0.971038
Ptpn5_j2	0.841136	2.27664	0	1	1
XLOC_030431	0.920497	1.04768	0	1	1
XLOC_030436	0.0110848	0.120027	3.43671	0.173159	1
Gabrg3	0.202398	0.24181	0.256682	0.79272	0.931005
Snrpn_j3	3.05958	2.38247	0	1	1
A230057D06Rik_j3	1.02317	1.11438	0.123191	0.624881	0.853557
Fan1_j3	0.3017	0.42715	0.501629	0.21164	0.556466
Fam189a1_j3	0.0883393	0.130755	0.565743	0.399818	1
Tjp1_j3	0.375612	1.15965	1.62637	8.29E-11	8.61E-09
Asb7_j1	1.99479	2.08572	0	1	1
Mef2a_j1	0.474473	0.438875	0	1	1
Lrrc28_j3	0.877232	0.954404	0	1	1
Lrrc28_j2	0.930435	1.23121	0	1	1
AK014683_j3	0.211073	0.147242	-0.519553	0.612388	0.847359
Mctp2_j2	0.130306	0.11617	0	1	1
Mctp2_j1	0.44667	0.754905	0	1	1
Chd2_j9	0.118716	0.138623	0.223657	0.644119	1
Ntrk3_j2	2.23011	1.07778	0	1	1
E430016F16Rik_j11	0	0.12586 1.79769e+308		0.0035069	1
E430016F16Rik_j12	0.315136	0.110132	-1.51674	0.0130534	0.104463
Hapln3_j3	0.515453	0.575204	0.158233	0.638015	0.859928
Mfge8_j1	0.168566	1.06049	0	1	1
Anpep_j1	0.379299	0.59666	0.653573	0.15895	0.493426
Cib1_j1	4.74191	5.3275	0	1	1
Unc45a_j9	2.49502	2.60335	0.0613158	1	1
Fes_j1	0.0994779	0.0756097	-0.395806	0.689439	1
Blm_j1	0.172143	0.270185	0.650337	0.0897084	0.367406
Wdr73	2.19514	2.19755	0	1	1
Sec11a_j1	1.01476	1.2083	0.251846	0.699197	0.889208
Rps17_j1	0.090556	0.0706429	-0.358265	0.701321	1
Rps17_j3	0.0477958	0 -1.79769e+308		0.0394603	1
Rps17_j2	0.148746	0.215685	0.536078	0.441661	0.750302
Cpeb1_j2	6.98831	5.61096	0	1	1
Cpeb1_j3	2.63137	1.86635	0	1	1

Cpeb1	30.9046	30.6433	0	1	1
Ap3b2_j2	42.1394	47.6609	0	1	1
3110040N11Rik_j2	3.74251	3.91235	0.0640324	0.820619	0.94198
Hdgfrp3_j1	0.172154	0.089644	0	1	1
Fam154b_j2	0.0555666	0.0471419	0	1	1
AK042300_j4	1.57737	1.57962	0	1	1
9930013L23Rik_j3	0.0610275	0.159685	1.3877	0.0325406	0.196107
Fah_j5	2.56816	5.45324	0	1	1
Tmem135_j2	0	2.52863	0	1	1
Prss23_j2	0.000140726	0.419096	0	1	1
Ankrd42	0.291264	0.304645	0.0648043	0.87107	0.959002
Ankrd42_j2	1.57333	1.71341	0.123048	0.601125	0.841992
Pcf11_j1	3.15064	3.69864	0.23135	0.202366	0.545957
Myo7a_j11	0.0822906	0.258851	1.65332	0.222247	0.569443
Capn5_j2	0	0.243953	0	1	1
Serpinh1_j2	4.54999	6.78672	0	1	1
Slco2b1_j4	0	0.0861882	1.79769e+308	0.0153186	1
Rnf169_j5	0.512659	0.929419	0	1	1
Rnf169_j6	0.361473	0.414169	0	1	1
Ppme1_j1	32.5492	36.5044	0	1	1
Dnajb13_j2	0.0360921	0.136229	1.91628	0.349858	1
Relt_j6	0.000124899	0.624821	0	1	1
Arhgef17_j4	12.8616	12.4082	-0.0517749	0.67823	0.879011
Atg16l2_j4	0	0.0480116	1.79769e+308	0.0333077	1
Atg16l2_j13	0.742993	0.824004	0.149304	0.578191	0.830224
Atg16l2	0.463668	0.488177	0.074315	0.836635	0.947727
Inpp1_j5	0.312652	0.430666	0	1	1
Inpp1_j7	0.0798941	0.301429	0	1	1
Trim5_j1	0.0785379	0.0973194	0.309339	0.732244	1
Trim12a_j4	0	0.107165	1.79769e+308	0.0321086	1
Trim30a_j5	0	0.101224	1.79769e+308	0.0171427	1
Trim30d_j1	0	0.102451	1.79769e+308	0.0193867	1
Rrp8_j1	0.840094	0.88603	0.0768047	0.759476	0.91718
Taf10	7.69334	8.78302	0.191107	0.0732519	0.325981
Tpp1_j1	0	0.209464	1.79769e+308	0.0014637	0.0193557
Lmo1_j5	6.50371	6.25746	0	1	1
St5_j6	1.35688	1.31865	0	1	1
St5_j7	0	0.184076	0	1	1
Dennd5a_j2	1.21762	1.19345	0	1	1
Rnf141_j4	7.92889	7.26661	0	1	1
Rnf141_j3	2.48968	1.18826	0	1	1
Eif4g2_j2	72.7461	85.2256	0	1	1
Galntl4_j3	4.50445	6.11583	0	1	1
Calca_j6	0	0.22215	0	1	1
XLOC_030670	0.341966	0.347483	0.0230888	0.937548	0.980924
Plekha7_j5	0.109506	0.208442	0.928636	0.0593056	0.286271
Plekha7_j7	0.041606	0.212546	2.35291	0.0365713	0.211448

Plekha7_j12	0.403833	0.509049	0.334046	0.297439	0.644031
Pik3c2a_j3	2.88968	2.84103	-0.0244981	0.88551	0.963679
Pik3c2a_j4	0.316684	0.391819	0.307145	0.324327	0.667432
Arl6ip1_j1	1.47511	1.79361	0	1	1
Syt17_j1	0.0756762	0.601824	2.99143	0.0028584	0.0331483
Gde1_j1	0	0.133713	0	1	1
Gde1_j2	0	0.0724908	0	1	1
2310008H09Rik_j3	4.80042	4.79282	0	1	1
XLOC_030686	0.0743993	0.0829209	0.156446	0.909171	1
XLOC_030686	0.264948	0.0841662	-1.6544	0.0693621	0.315765
XLOC_030686	0.0625495	0.0634739	0.0211654	0.992754	1
Eri2_j2	0.141076	0.241111	0.773223	0.196695	0.539469
Dcun1d3	3.68704	3.72787	0.0158899	0.899132	0.967684
AK053178_j1	0.0374328	0.126783	1.75999	0.156823	1
AK034016_j1	0	0.0607229	1.79769e+308	0.0807005	1
AK034016_j2	0	0.060975	1.79769e+308	0.0823198	1
Ears2_j1	0.14017	0.162876	0.216598	0.728617	0.903788
Ndufab1_j5	0.630223	0.530337	0	1	1
Palb2_j8	0.152595	0.0709212	-1.10541	0.26742	0.616277
Zkscan2_j1	0	0.107247	1.79769e+308	0.0008266	1
XLOC_030708	0.207348	0.304339	0.553621	0.696433	0.888088
Nsmce1_j4	0.354633	0.409081	0.206059	0.81098	0.938047
Gtf3c1_j1	0.0446091	0.121104	0	1	1
Gtf3c1_j2	3.66623	4.5641	0	1	1
Xpo6_j4	0.140833	0.186474	0	1	1
Atp2a1_j2	0.0480227	0.0961986	1.0023	0.417773	1
Atxn2l_j4	0.62607	0.146649	0	1	1
Atxn2l_j8	0.334652	0.392622	0	1	1
Cln3_j4	0.887581	1.0304	0.215256	0.571997	0.827134
Nupr1_j1	1.61104	1.47793	-0.124413	0.798111	0.932954
Sult1a1	2.89107	3.14015	0.119229	0.499776	0.78478
Coro1a_j6	1.77681	2.12261	0.256553	0.0842109	0.354146
Aldoa_j1	172.773	149.23	0	1	1
Mvp_j7	6.83014	12.9161	0	1	1
Maz_j1	28.3635	21.1626	0	1	1
Tbc1d10b_j3	19.3474	21.0545	0.121989	0.287215	0.635532
Sept1_j1	0.612036	0.602972	-0.0215253	0.975504	0.992893
Sept1_j2	0.000261389	0.264082	9.98057	0.865436	0.957089
Sept1_j3	0.0527815	0.0561742	0.0898741	0.952836	1
Zfp768_j1	2.32912	2.48415	0.0929727	0.639919	0.860804
E430018J23Rik	0.592304	0.753461	0.347196	0.324876	0.668022
Vkorc1_j2	18.8693	23.564	0.320547	0.0457181	0.244764
Prss36_j3	0.261099	0.291744	0.160108	0.891058	0.965576
XLOC_030761	0.192155	0.121234	-0.664471	0.394083	0.719811
XLOC_030761	0	0.125552	1.79769e+308	0.0206418	1
Fgfr2_j6	0	0.143946	1.79769e+308	0.0154767	1
Ikzf5_j3	0.551201	0.515257	0	1	1

Cpxm2_j6	0.0229022	0.0724902	1.6623	0.196992	1
Cpxm2_j5	0	0.116729	1.79769e+308	0.008088	1
AK080057_j1	0.0485767	0.0742343	0.611821	0.737765	1
Fam53b	1.56977	1.1538	-0.44417	0.0351907	0.206504
Fam53b_j2	2.29947	1.95258	-0.235921	0.196939	0.539831
Mettl10_j9	0.859517	1.13884	0.405965	0.394956	0.720135
Dhx32	0.365187	0.679632	0	1	1
D7Ert443e_j6	0	0.0669411	1.79769e+308	0.0498846	1
5830432E09Rik_j1	0.100332	0.16687	0	1	1
XLOC_030791	0.10499	0.169236	0.688784	0.413997	0.732628
XLOC_030792	0.0951161	0.13981	0.555711	0.512877	1
Ebf3_j6	1.00773	1.49279	0	1	1
Bnip3_j4	4.304	6.54582	0	1	1
Adam8_j3	0.0815942	0.0807681	-0.0146803	0.986213	1
Adam8_j8	0	0.258794	1.79769e+308	0.0038248	0.0415564
Tubgcp2_j3	0.137213	0.224735	0.711811	0.378594	0.710295
Sigirr_j4	0	0.107042	1.79769e+308	0.0493363	1
Irf7_j2	0.0913507	0.146862	0	1	1
Irf7_j1	0.345782	0.907836	0	1	1
B230206H07Rik_j3	0.113028	0.185214	0.712518	0.2796	0.628325
Slc25a22_j3	3.04315	9.66802	0	1	1
Slc25a22_j4	14.781	6.71542	0	1	1
Slc25a22_j5	6.80761	11.1174	0	1	1
Lrdd	0.186105	0.263972	0.504269	0.316825	0.660191
XLOC_030832	0	0.0593409	1.79769e+308	0.102246	1
6330512M04Rik_j1	15.671	17.7505	0.179755	0.191032	0.533209
6330512M04Rik_j2	12.2191	11.1863	-0.127403	0.539039	0.80831
Th_j3	0	0.741633	0	1	1
Cdkn1c_j5	0.34394	0.660742	0.941931	0.176337	0.515018
Nap1l4_j3	4.1625	3.1189	0	1	1
Cars_j1	1.40861	1.75658	0	1	1
Cars_j2	1.46789	1.63498	0	1	1
Osbp15_j2	3.99551	4.35319	0	1	1
Nadsyn1_j9	0	0.207396	1.79769e+308	0.0086448	0.0769129
Cttn_j4	0	0.955103	0	1	1
Cttn_j5	0.00116665	0.110632	0	1	1
1810010D01Rik_j1	0.137891	0.195501	0.503652	0.572402	0.827134
1810010D01Rik	0.106231	0.151075	0.508064	0.523412	1
Tpcn2_j2	0.540772	0.47079	-0.199939	0.607245	0.845215
Arhgef18_j1	3.01462	2.53034	0	1	1
Zfp358	1.00058	1.05787	0	1	1
Zfp358_j2	0.740326	0.102303	0	1	1
Pnpla6_j4	1.04361	0.479903	0	1	1
Pnpla6_j5	0.586838	0.299225	0	1	1
2310057J16Rik_j3	0.598995	0.588417	0	1	1
2310057J16Rik_j2	0.0499393	0	0	1	1
2310057J16Rik_j9	1.94162	3.66096	0	1	1

2900053A13Rik	6.02798	6.4597	0	1	1
2900053A13Rik_j2	0.377388	0.483105	0	1	1
Stxbp2_j2	0.106739	0.029177	0	1	1
Stxbp2_j3	0.0239798	0.0681649	0	1	1
Stxbp2_j6	1.75065	1.63804	0	1	1
Trappc5	12.1702	13.823	0.183719	0.107965	0.408438
Evi5l_j7	1.47045	1.48693	0	1	1
Map2k7_j1	12.4015	11.0048	-0.172385	0.0842787	0.35428
Map2k7_j2	0.179657	0.158741	-0.178575	0.713464	0.896209
Snpc2	8.09088	8.62546	0	1	1
Snpc2_j2	1.45471	1.0585	0	1	1
Lass4_j2	1.76816	1.24531	0	1	1
Abhd13	1.68082	1.33308	0	1	1
Tnfsf13b	0.51968	0.323292	-0.684786	0.0163297	0.122232
Myo16	0.236343	0.110406	-1.09806	0.017886	0.130357
Myo16_j5	0.167893	0 -1.79769e+308	0.0099694	0.08545	
Col4a2	4.07959	4.72401	0	1	1
BC030398	0.213796	0.117641	-0.861844	0.109335	0.411445
Carkd	14.4437	15.5318	0	1	1
Carkd_j2	1.58289	1.55506	0	1	1
Ing1	2.5557	3.2904	0.364546	0.0843179	0.354323
Ing1	6.59974	7.46985	0.17867	0.222658	0.569638
Arhgef7	8.61808	9.31329	0.111924	0.281273	0.629634
4931415C17Rik	0.114756	0.147205	0	1	1
Atp11a	32.8794	17.1527	0	1	1
Atp11a_j2	1.32464	0.923286	0	1	1
Mcf2l_j3	1.18191	1.64071	0.473199	0.0374788	0.214637
Cul4a_j1	3.25151	2.28861	0	1	1
Lamp1	56.4501	51.1853	0	1	1
Lamp1_j2	56.0762	67.4134	0	1	1
Tmco3	1.72508	1.70688	0	1	1
Tfdp1_j12	0.0924141	0.0577583	-0.678084	0.292431	1
Tfdp1_j13	0.0943796	0.0560442	-0.751911	0.216634	1
Fam70b	0.15462	0.0876181	-0.819429	0.43337	0.744767
Cdc16	15.7457	17.0117	0.111569	0.289173	0.636786
Upf3a	3.29903	3.52986	0.0975671	0.631239	0.8565
Upf3a_j3	10.3887	11.2871	0.119661	0.4304	0.743173
Zfp828	2.59048	2.57285	0	1	1
Fbxo25_j2	5.71877	6.38174	0.158246	0.117394	0.426235
Cln8	3.86815	3.32721	0	1	1
Arhgef10_j9	0.861398	1.49768	0	1	1
Kbtbd11_j3	1.00032	0.885282	0	1	1
XLOC_032187	0.0934432	0 -1.79769e+308	0.0656199		1
Mcp1	0.400334	0.157996	-1.34132	0.003162	0.0359577
Mcp1_j1	1.57262	1.51666	-0.0522752	0.788381	0.929506
Agpat5	7.94787	7.70783	-0.0442422	0.670948	0.875546
Rpl19-ps11	303.942	352.585	0.214173	0.0128638	0.103337

XLOC_032197	0.745943	0.800333	0.101535	0.752837	0.914587
Alg11	2.66625	2.49628	0	1	1
Alg11	4.478	3.99428	0	1	1
Vps36	9.2672	10.1805	0.135607	0.202222	0.54575
Thsd1_j2	0.091363	0.0997399	0.126559	0.832408	1
Thsd1_j4	0.150209	0.170616	0.183777	0.689429	0.884848
Slc20a2	3.0719	2.95009	-0.0583735	0.714887	0.896766
BC035532	0.985837	0.840868	-0.229469	0.411108	0.730569
Plat	6.11056	7.81851	0.35559	0.0044458	0.0465096
Myst3	0.187955	0.481373	0	1	1
Myst3	0.495154	0.249236	0	1	1
Ank1_j2	2.66478	0	0	1	1
Ank1_j8	13.8358	13.774	0	1	1
Ank1_j7	4.62386	0.0418178	0	1	1
Sfrp1_j1	0.327589	0.00308348	0	1	1
Sfrp1	3.92011	5.12888	0	1	1
Sfrp1_j2	4.2837	5.94278	0	1	1
Zmat4	5.08962	4.26961	0	1	1
Zmat4_j7	0.575005	0.152803	0	1	1
Zmat4_j8	0.210564	0	0	1	1
Tm2d2	23.228	25.9675	0	1	1
Fgfr1	0.453356	0.501064	0	1	1
Fgfr1_j3	0.0841103	0	0	1	1
Whsc1l1	3.23353	2.78281	-0.216567	0.185799	0.52617
Kcnu1_j4	1.7359	1.58889	-0.127666	0.680621	0.879921
Kcnu1_j3	0.202366	0 -1.79769e+308	0.0049681	0.0504971	
Kcnu1_j5	0.876779	0.660857	-0.407875	0.411029	0.730555
Rnf170_j3	0.609285	0.425508	-0.51793	0.477915	0.77269
Rnf170_j5	7.05681	5.94265	-0.247911	0.0533128	0.268707
Thap1	0.421452	0.389431	-0.114001	0.612306	0.847331
Thap1_j2	0.465902	0.148323	-1.65129	0.0370969	0.213277
Thap1_j4	1.91259	1.43981	-0.409646	0.149513	0.478977
Zfp703	3.35526	3.18905	-0.0732945	0.666501	0.873739
Erlin2	1.41812	1.80166	0.345345	0.0850265	0.355889
Erlin2_j1	0.380524	0.421698	0.148222	0.68937	0.884848
Erlin2_j3	0.0510731	0 -1.79769e+308	0.0102851	1	
Prosc	17.2849	19.0987	0.143962	0.174893	0.513197
Gpr124	1.38745	1.53108	0.142113	0.346301	0.685483
Eif4ebp1_j1	0.843278	0.530719	-0.66806	0.390775	0.717567
Eif4ebp1	4.19927	6.50736	0.631934	0.0027224	0.0319506
Eif4ebp1_j2	2.27471	3.7662	0.72743	0.0712937	0.321059
Chrn3_j1	0.764397	0.802073	0	1	1
Chrn3_j2	0.691152	0.415401	0	1	1
Chrn3	0.138656	0.265398	0	1	1
XLOC_032236	0.194397	0.0482496	0	1	1
Dusp26	55.1626	58.9768	0	1	1
Dusp26_j3	0.769617	0.187898	0	1	1

Rnf122	0.487892	0.982014	1.00918	8.08E-05	0.0017883
Rnf122	2.49216	5.27444	1.08162	0	0
BC019943	1.21289	0.960888	-0.336012	0.225501	0.572552
BC019943	3.93354	3.99629	0.0228334	0.893864	0.966325
Fut10	0.0855643	0.264925	1.6305	0.0076109	0.0701212
Fut10	0.559758	0.147376	-1.9253	0.0005513	0.0088566
XLOC_032243	0.0783461	0.0954428	0.284776	0.831659	1
XLOC_032243	0.161207	0.0705445	-1.19231	0.457548	0.760484
Tex15	0.170686	0.107458	-0.667568	0.276335	0.625169
Ppp2cb	6.84255	6.53795	-0.0656972	0.582165	0.832693
Gsr	28.7803	27.3301	-0.0745928	0.438501	0.748143
Gsr_j1	4.47472	2.68191	-0.738536	0.0059494	0.0581327
Gtf2e2	3.35253	2.18357	-0.61856	0.0200871	0.141224
Gtf2e2	8.15376	10.1053	0.309568	0.029612	0.184175
Mboat4_j3	0.142566	0.370612	0	1	1
Mboat4_j2	0.173852	0.226185	0	1	1
Tmem66_j1	2.5645	2.48987	0	1	1
Dusp4	0.87923	0.563597	0	1	1
Ppp1r3b	0.735802	0.766508	0.0589823	0.795099	0.931579
Mfhas1	4.69369	4.84645	0	1	1
Mfhas1_j3	0.351327	0.349073	0	1	1
XLOC_032261	0.324637	0.15066	-1.10754	0.0313344	0.191101
D8Ert82e	2.05112	3.4869	0.765534	7.23E-09	5.18E-07
Kiaa1456	0.115527	0.104812	-0.140422	0.822757	1
Kiaa1456_j1	0.151048	0.0369761	-2.03035	0.0381125	0.216951
Tusc3_j3	0.678002	0.932323	0	1	1
Tusc3_j7	24.7856	20.4753	0	1	1
Tusc3_j10	5.61902	6.89624	0	1	1
AK080223	0.14437	0.160503	0.15283	0.904549	0.969637
XLOC_032269	0.0859825	0.0565242	-0.605173	0.736873	1
Efha2	5.82425	4.55324	-0.355179	0.0020002	0.024953
Zdhhc2	6.28463	5.5924	-0.168359	0.183724	0.524378
Slc7a2	3.86517	3.2417	0	1	1
Slc7a2_j1	0.359464	0.0635621	0	1	1
Pdgfrl	0.827979	0.829014	0.00180219	0.99474	0.998469
Gm16348	0.141951	0.0362701	-1.96854	0.124873	0.440234
Pcm1	1.04757	0.836271	0	1	1
Fat1_j1	4.10E-05	0.0834807	10.9924	0.752877	1
Fat1	0.283846	0.174393	-0.702767	0.0127023	0.102258
Ufsp2_j2	1.98996	1.58118	-0.331733	0.0656432	0.305455
4933411K20Rik	1.1185	0.931042	0	1	1
4933411K20Rik_j3	1.47346	1.39829	0	1	1
4933411K20Rik_j4	2.55596	2.19546	0	1	1
Acsl1	6.50159	6.51145	0	1	1
Acsl1_j1	1.97537	1.64082	0	1	1
Acsl1_j3	0.166858	0	0	1	1
Casp3	0.940728	2.41909	0	1	1

Casp3	5.94035	7.87068	0	1	1
Irf2	9.10738	8.4672	-0.105151	0.383996	0.71322
Rwdd4a	7.49086	7.04117	-0.0893168	0.459468	0.761406
Dctd_j1	0.114329	0	-1.79769e+308	0.0068129	1
Dctd_j3	0.13503	4.05E-05	-11.7034	0.96995	1
AK032387_j1	0.174266	0.119104	-0.54907	0.37953	0.710908
AK032387_j6	0.0473432	0	-1.79769e+308	0.0120646	1
AK032387_j8	0.0780582	0.0402706	-0.954823	0.399848	1
AK032387_j11	0.0796587	0	-1.79769e+308	0.002608	1
Aga	8.10458	7.4097	-0.129323	0.394284	0.719811
Vegfc_j1	0.201402	0.120153	-0.745203	0.283145	0.631632
Gpm6a_j1	6.3442	5.21325	0	1	1
Gpm6a_j2	4.98577	3.96408	0	1	1
Hpgd	1.45977	2.45091	0.747577	0.0011351	0.0158259
Fbxo8	2.59127	2.44411	0	1	1
Fbxo8_j1	2.4915	2.73492	0	1	1
AW046200_j1	0.133848	0.170729	0.351113	0.64026	0.860953
AW046200_j2	0.200785	0.0556781	-1.85047	0.100837	0.393219
Mfap3l	2.34611	3.5335	0	1	1
Mfap3l	8.66348	8.30592	0	1	1
2700029M09Rik	14.1609	13.4434	-0.0750178	0.580606	0.831639
Nek1	9.24882	8.6334	0	1	1
Nek1_j2	3.41056	4.98235	0	1	1
Nek1_j4	3.12449	2.63288	0	1	1
Sh3rf1	1.20858	1.39359	0.20549	0.288952	0.636716
Sh3rf1_j1	0.399453	0	-1.79769e+308	1.56E-12	2.16E-10
Sh3rf1_j2	0.96395	1.39619	0.534466	0.0168507	0.124999
Cbr4	3.24699	3.24049	-0.00289076	0.982676	0.9947
Ddx60_j4	0.175585	0.0299398	-2.55203	0.0079244	0.0721158
Ddx60_j3	0.070213	0	-1.79769e+308	0.0004087	1
Spock3	2.34803	1.37757	-0.769324	0.0263694	0.1706
Spock3	7.91288	7.76691	-0.0268638	0.877759	0.96086
Tmem192	5.717	5.38486	-0.086349	0.486501	0.777652
March1	0.158115	0	-1.79769e+308	4.80E-07	2.17E-05
March1	0	0.170025	1.79769e+308	0.0001326	0.0027168
Npy1r	4.1462	5.84513	0	1	1
Npy1r_j3	2.74872	4.37032	0	1	1
Npy1r_j1	1.54317	2.17977	0	1	1
Naf1_j4	0.570661	0.674795	0.241816	0.553552	0.81725
Nat2	0.910319	0.900036	-0.0163897	0.961745	0.98919
Sh2d4a	0.753498	0.426832	-0.819935	0.0206833	0.144188
Ints10_j4	0.565188	0.829534	0	1	1
Lpl	0.959005	1.01951	0.0882675	0.688197	0.884104
Atp6v1b2	240.953	229.086	-0.0728598	0.411518	0.730729
Zfp930	1.48131	1.33422	0	1	1
Zfp930_j3	0.0583599	0	0	1	1
D130040H23Rik_j1	0.162804	0.0549867	-1.56598	0.15079	0.481561

Atp13a1_j6	4.51708	4.70264	0	1	1
Pbx4	1.14103	1.06298	-0.102211	0.735308	0.906704
Pbx4	0.479874	0.229777	-1.06242	0.0695941	0.316357
Pbx4_j1	1.04956	0.979314	-0.099939	0.764609	0.919286
Sugp1	1.21375	1.67726	0	1	1
Tm6sf2_j6	0.103657	0.193349	0	1	1
Tm6sf2_j13	0.0622928	0	0	1	1
Hapln4_j1	4.974	1.40799	0	1	1
Hapln4	6.23425	2.42462	0	1	1
Nr2c2ap_j1	8.0578	8.84922	0.135164	0.422127	0.738238
Mef2b_j1	18.2483	18.2564	0.000644323	0.995913	0.998864
2310045N01Rik	2.31019	2.47521	0.0995382	0.583398	0.833129
Tmem161a	13.8546	13.9195	0.00673678	0.951586	0.986024
Sugp2_j5	0.454879	0.165293	0	1	1
Cope	39.5785	41.4221	0.0656851	0.473484	0.770096
Lass1	1.70513	1.37195	-0.313656	0.0177221	0.129434
Crlf1_j6	0.4577	0.458007	0.000970066	0.99853	0.999371
Crlf1_j5	0.249403	0.0156976	-3.98986	0.133143	0.454156
Crlf1	0	1.11843	1.79769e+308	3.64E-07	1.68E-05
Fkbp8_j4	24.8803	25.5007	0	1	1
Fkbp8	153.631	165.999	0	1	1
Eil	3.34413	3.25101	-0.040746	0.799638	0.933125
Lrrc25_j1	0.0353315	0.307385	3.12102	0.0208752	0.145215
Lrrc25	0.377775	0.781044	1.04788	0.0043314	0.045586
Lsm4	30.0768	32.5956	0.116024	0.326232	0.669409
Pde4c_j5	0.351548	0.0915598	-1.94094	0.0082479	0.0743039
Pde4c_j12	0.210582	0.0375605	-2.48709	0.0455242	0.244264
Pde4c_j16	0.296826	0.0708712	-2.06635	0.034705	0.204618
Rab3a	66.4728	53.9014	0	1	1
Rab3a_j1	110.157	81.2526	0	1	1
Mtap1s	19.88	21.2195	0.0940696	0.322842	0.665895
XLOC_032360	0.232881	0.149997	-0.634659	0.526971	0.801327
XLOC_032360	0.146176	0.046088	-1.66525	0.380078	0.711123
Myo9b_j2	0.0765467	0.0601103	-0.348729	0.634511	1
Myo9b_j1	0.356412	0.0186304	-4.25782	0.0002235	0.0042041
Myo9b_j10	0.122118	0.092704	-0.397569	0.633928	1
Myo9b_j19	0.564498	1.10589	0.970174	0.0440425	0.239045
Use1	17.702	16.5837	-0.0941502	0.478959	0.773348
Use1_j2	0.556447	0.466082	-0.255661	0.689401	0.884848
Ocel1	0.924131	0.966315	0	1	1
Ocel1	1.14776	1.1837	0	1	1
5430437P03Rik	25.9599	24.1418	-0.104753	0.311931	0.656418
Mrpl34	13.733	14.4721	0.0756332	0.564473	0.823391
Gtpbp3_j1	1.85998	1.5365	-0.275637	0.277056	0.626132
Gtpbp3	0.110028	0	-1.79769e+308	2.11E-07	1
Fam125a	18.9962	19.5754	0.0433285	0.737331	0.907482
Pgls_j1	12.1817	16.4881	0.436702	0.0170093	0.125773

Jak3_j3	0.177854	0.166352	-0.0964541	0.782103	0.926378
Zfp709	0.691044	0.662805	-0.0601935	0.758113	0.916768
Zfp617_j2	0.128963	0.0555948	0	1	1
Zfp617_j1	0.398135	0.25687	0	1	1
Zfp617_j8	3.70653	4.33141	0	1	1
Zfp961	0.659419	0.341117	-0.950929	0.0340164	0.201923
Zfp961_j1	0.775585	0.108681	-2.83519	0.0002843	0.0051126
Tpm4_j1	8.21099	11.7852	0.521347	1.78E-05	0.0005038
Rab8a	5.5209	6.12142	0.148963	0.174106	0.512143
Fam32a	16.7949	16.38	-0.0360838	0.709529	0.894303
Ap1m1	68.0361	70.1486	0.044113	0.615722	0.848504
1700030K09Rik	1.29714	1.27746	-0.0220637	0.876166	0.960645
XLOC_032385	0.113305	0.0835403	-0.439671	0.327596	1
Tmem38a	0.393527	0.323226	-0.283922	0.389482	0.716664
Nwd1_j1	0.055322	0 -1.79769e+308		0.0001474	1
Hmgxb4_j1	0.25498	0.0644466	0	1	1
Hmgxb4	0.830065	0.132121	0	1	1
Hmgxb4_j7	1.76032	1.42925	0	1	1
Tom1_j1	0.0542989	0.100867	0.893465	0.550232	1
Tom1_j10	0.449765	0.353136	-0.348948	0.671757	0.876082
Tom1_j14	0.249206	0.170855	-0.544564	0.421828	0.737912
Hmox1	12.5136	10.7522	-0.218865	0.0979565	0.386817
Mcm5	0.272183	0.167159	-0.703358	0.259132	0.607838
Rasd2	2.71698	1.48427	-0.872252	3.52E-06	0.0001244
1700007B14Rik_j1	0.155615	0.127719	-0.285014	0.717369	0.898075
Nr3c2_j1	0.529229	0.190334	0	1	1
Prmt10	7.75288	6.05495	0	1	1
Prmt10_j2	4.62139	4.28325	0	1	1
Ttc29_j4	0.143638	0.0941114	-0.609998	0.570256	0.826188
Zfp827_j1	0.143463	0.186153	0.37581	0.487495	0.778377
Zfp827	3.93052	4.1196	0.0677856	0.534756	0.80586
Zfp827	0.0663411	0.0336879	-0.977674	0.381392	1
Otud4	0.684658	0.57697	0	1	1
Otud4_j5	4.99973	5.34141	0	1	1
Inpp4b_j1	0.259244	0 -1.79769e+308		0.001823	0.0232179
Inpp4b_j4	0.124592	0.104432	-0.254646	0.747255	1
Tbc1d9_j2	11.3016	5.76644	-0.970767	4.44E-16	1.02E-13
XLOC_032410	0.525374	0.536096	0.029147	0.903274	0.969087
Clgn	10.1535	7.32727	0	1	1
Clgn_j5	3.02586	3.87886	0	1	1
Gipc1	15.2302	14.5423	0	1	1
Gipc1_j2	20.5833	28.108	0	1	1
Ddx39	1.17289	1.57345	0.423873	0.0137213	0.107947
Lphn1_j1	2.27547	2.50562	0	1	1
Lphn1	6.86555	5.01927	0	1	1
Lphn1_j4	8.87706	8.42211	0	1	1
Asf1b	0.700518	0.373059	-0.909019	0.0297358	0.184678

Samd1	7.54272	8.98429	0.25232	0.0974016	0.385751
Palm3_j2	4.84911	2.07613	0	1	1
Palm3_j1	0.732192	0.649779	0	1	1
Rfx1	0.110207	0.0812376	-0.439992	0.277279	1
4930432K21Rik_j1	0.167587	0.0192093	-3.12504	0.0564676	0.278053
4930432K21Rik	0.324779	0.126684	-1.35822	0.0456038	0.244415
Cacna1a	4.32787	2.00071	0	1	1
Cacna1a_j6	0.176795	0.161057	0	1	1
Lyl1	0.144423	0.20571	0.510307	0.287109	0.635532
Lyl1_j3	0.0438032	0.273102	2.64033	0.0145192	0.11232
Lyl1_j5	0.113967	0.32459	1.51	0.0672482	0.310074
Gadd45gip1	0.933243	0.91539	-0.0278656	0.897206	0.967319
Farsa	14.5959	16.6877	0.193223	0.0760051	0.332943
Syce2_j3	0.075614	0.187297	0	1	1
Prdx2	25.9698	28.2309	0	1	1
Hook2_j2	0.0711053	0.23767	1.74093	0.0218937	0.150018
Hook2_j4	0.0824501	0 -1.79769e+308	0.0137929		1
2310036O22Rik	42.2385	49.7916	0.237344	0.0219541	0.150334
Tnpo2_j3	0.0913525	0.139105	0.606658	0.339183	1
Tnpo2	10.8969	7.59719	-0.520376	4.41E-06	0.0001513
Tnpo2_j5	0.288666	0.114706	-1.33146	0.0232642	0.1563
Dhps	3.8955	4.40189	0.176314	0.22668	0.573724
Dhps_j1	13.5578	15.1458	0.159792	0.271419	0.620302
Man2b1_j3	1.99586	2.3332	0.2253	0.182	0.522379
Gpt2	4.9593	4.76483	0	1	1
Gpt2_j3	11.99	11.3497	0	1	1
Lonp2	20.6498	19.7668	-0.0630484	0.522227	0.798757
Gm2694	0.66284	0.26881	-1.30207	0.274811	0.623805
Gm2694_j1	0.199592	0.1878	-0.0878635	0.944495	0.983497
Gm2694_j4	0.427722	0.130469	-1.71297	0.218678	0.564944
Gm2694_j5	0.740073	0.484156	-0.612198	0.4536	0.758086
Tmem188_j1	1.99448	1.29489	-0.623181	0.302579	0.648559
Tmem188	17.0578	17.0405	-0.00146525	0.989595	0.996774
Heatr3	6.04344	5.68672	-0.0877733	0.486005	0.777413
Papd5	0.794125	0.24997	0	1	1
Adcy7	0.460996	0.456678	-0.0135767	0.956032	0.987435
Nkd1	1.04385	0.891972	-0.226848	0.33493	0.675691
Nod2_j1	0.0511771	0.0150776	-1.76309	0.230057	1
Nod2_j5	0.142707	0 -1.79769e+308		7.35E-06	0.0002371
Nod2_j8	0.143426	0 -1.79769e+308		0.0003005	0.0053492
Cyld_j2	0.277085	0	0	1	1
Cyld	1.92688	1.37999	0	1	1
Cyld_j5	0.739292	0.505728	0	1	1
Cyld_j6	1.66133	1.0952	0	1	1
XLOC_032460	0.0639653	0 -1.79769e+308		0.0262721	1
Chd9	1.515	1.95138	0.365176	0.137708	0.461575
Chd9_j7	0.0711191	0 -1.79769e+308		2.04E-06	1

Chd9_j15	0.744481	1.51721	1.02711	3.06E-09	2.34E-07
Rbl2_j1	3.3838	3.01396	0	1	1
Rbl2_j2	0.806525	0.752964	0	1	1
Fto	24.081	23.1927	0	1	1
BC100534_j1	0.129965	0.0595368	-1.12627	0.319274	1
Mmp2	1.64152	2.72898	0.73333	7.89E-05	0.0017546
Mmp2_j1	1.5911	3.3486	1.07354	1.03E-06	4.23E-05
Lpcat2	1.21793	2.00861	0.721758	0.0012283	0.0168601
XLOC_032468	0.127624	0.0784008	-0.70296	0.556401	1
Gnao1_j3	16.1966	14.1191	0	1	1
Gnao1_j7	0.157385	0	0	1	1
Ogfod1	5.78334	5.60118	0	1	1
Mt3	170.738	180.318	0.0787594	0.378164	0.709762
Mt2_j2	3.85758	3.04835	-0.33967	0.427489	0.741759
Mt1	39.9224	46.8692	0.231442	0.0334071	0.199595
Nup93	13.9252	13.4926	0	1	1
Slc12a3_j3	0.168342	8.29E-05	0	1	1
Herpud1	19.7805	18.932	-0.0632552	0.566481	0.824486
Herpud1_j2	4.78185	6.68633	0.483644	0.0110897	0.0925168
Ap3s1-ps2	15.9184	15.8146	-0.00943632	0.940062	0.981805
Nlrc5_j6	0.0852623	0.0606318	-0.491834	0.496768	1
Nlrc5_j9	0.0989347	0.0400279	-1.30547	0.220495	1
Cpne2	14.9706	16.7371	0.160918	0.113612	0.419374
Rspry1	9.019	8.70495	-0.0511313	0.633373	0.857531
Arl2bp	6.99988	7.95173	0	1	1
Arl2bp_j3	0.0810027	0.0397335	0	1	1
Cx3cl1	2.25115	2.40188	0.0935058	0.559995	0.820988
Ccl17_j1	0.160681	0.127476	-0.333966	0.673121	0.876767
Coq9	8.8828	8.12461	0	1	1
Polr2c_j2	0.0584147	0.155966	1.41683	0.0316504	1
Gpr56	6.98502	5.87405	0	1	1
Gpr56_j3	0.0744925	0.676975	0	1	1
Katnb1	15.7184	15.5915	-0.011694	0.910809	0.972008
AA960436	0.970788	1.0215	0	1	1
Mmp15	14.2195	12.223	0	1	1
Gins3	0.565865	0.539869	-0.0678483	0.820326	0.941821
Ndr4_j2	374.506	329.018	0	1	1
Ndr4_j7	2.34919	24.9485	0	1	1
Ndr4_j10	8.89936	0	0	1	1
Setd6	0.0416881	0.0548638	0	1	1
Gm10094	54.8658	56.0738	0.0314193	0.754738	0.915405
Gm15210	22.509	26.1283	0.215113	0.0361549	0.209962
XLOC_032505	0.113419	0 -1.79769e+308		0.0004202	1
XLOC_032505	0.122138	0.0424418	-1.52495	0.139781	1
XLOC_032505	0.0915267	0.0193682	-2.2405	0.167373	1
Cdh5	3.60502	3.1109	-0.212677	0.13446	0.456328
Bean1_j3	27.1533	33.9238	0	1	1

Bean1	3.71801	3.00371	0	1	1
XLOC_032507	0.206373	0.186081	0	1	1
CKLF6_j2	0.58303	0.518503	-0.169216	0.599332	0.841178
CKLF6_j1	0.299486	0 -1.79769e+308		4.67E-12	6.01E-10
Cmtm3_j3	1.04887	0.268242	-1.96722	0.0031594	0.0359372
Car7	0.231106	0.132333	-0.804377	0.321418	0.664505
Car7	0.819882	0.258926	-1.66287	0.0077126	0.0708039
Car7_j3	0.271609	0.0461747	-2.55636	0.0841224	0.353898
Pdp2	1.44785	1.46272	0.014735	0.93059	0.978776
Ces2g_j5	0.175952	0 -1.79769e+308		0.0001105	0.0023408
D230025D16Rik	5.81865	5.62229	-0.0495262	0.661942	0.871832
E2f4	5.07354	5.67165	0.160777	0.228826	0.575849
Elmo3_j8	0.304843	0.39263	0.365103	0.425474	0.74056
Elmo3_j9	0.0771423	0.0183734	-2.0699	0.11822	1
Tmem208	11.7912	11.8214	0	1	1
Tmem208_j2	8.77176	8.1473	0	1	1
Slc9a5_j3	0.146765	0 -1.79769e+308		0.0002313	0.0043239
Slc9a5_j1	0.156637	0 -1.79769e+308		8.32E-05	0.0018329
Slc9a5_j2	0.273223	0.330077	0.272723	0.54545	0.81235
XLOC_032521	0.131328	0.0636968	-1.04388	0.352106	1
Plekhg4_j4	0.101597	0.039939	-1.34699	0.255074	1
Plekhg4_j11	0.210083	0.0452157	-2.21606	0.0525657	0.266344
Fam65a_j2	4.70752	3.5112	0	1	1
Rltpr_j3	0.152172	0.0011151	0	1	1
Rltpr_j2	12.9157	12.705	0	1	1
Rltpr_j4	0.873984	0	0	1	1
Nutf2_j2	1.00532	0.941671	-0.0943631	0.782397	0.926474
Edc4_j4	0.0504489	0.0598021	0.245372	0.789421	1
Edc4_j3	0.198606	0.190707	-0.058547	0.902795	0.968994
Nrn1l	6.52796	6.64939	0.0265895	0.901922	0.968734
Nrn1l_j2	5.42764	5.26469	-0.0439755	0.83227	0.945814
Nrn1l	1.61821	1.41489	-0.19371	0.662911	0.872283
Pskh1	3.18644	3.24421	0.0259195	0.869368	0.958432
Dus2l_j1	0.227813	0.116687	0	1	1
Dus2l	0.464982	0.608076	0	1	1
Dus2l	2.27712	2.7831	0	1	1
Nfatc3	0.564549	1.04748	0	1	1
Nfatc3	1.60866	1.67154	0	1	1
Pla2g15	7.39873	9.00626	0.283652	0.019824	0.13996
Slc7a6	3.25571	3.55777	0.128004	0.2521	0.600154
Prmt7	8.35279	8.73225	0.0640958	0.510459	0.791113
Zfp90_j1	1.69308	1.80885	0	1	1
Zfp90	1.09556	1.42251	0	1	1
Cdh3	0.0571697	0.102117	0.836907	0.315136	1
Cdh1_j1	14.3825	9.37397	0	1	1
Cdh1_j4	10.0378	11.9736	0	1	1
Tmco7_j3	0.332847	0.33539	0.0109786	0.980283	0.994006

Tmco7	0.707199	0.570801	-0.309129	0.22422	0.571444
Has3_j3	0.394984	0.398409	0.0124526	0.965033	0.990054
Cirh1a	5.33865	4.89023	0	1	1
Sntb2_j2	0.0649885	0 -1.79769e+308		5.39E-05	1
Sntb2	0.959464	0.928461	-0.0473871	0.79583	0.931999
Vps4a	43.0635	46.1993	0.101403	0.259004	0.607774
Cyb5b	29.8047	27.6858	0	1	1
Cyb5b_j1	17.6848	22.772	0	1	1
AK015813_j1	0.437762	0.000734923	-9.21834	0.842293	0.950233
AK015813_j6	0.107572	0.0832829	-0.369217	0.85298	1
XLOC_032547	0.138586	0.0445766	-1.63642	0.169662	0.506699
Nfat5_j1	0.164847	0.0887008	-0.894112	0.0379683	0.216418
Nfat5_j9	0.737937	0.3508	-1.07285	7.65E-06	0.0002451
Wwp2	1.55737	1.55978	0.00222911	0.989005	0.996607
Zfhx3_j1	0.603864	0.643968	0	1	1
Zfhx3_j4	2.50386	2.31477	0	1	1
Pmfbp1_j1	0.15229	0.0431651	-1.81889	0.0379805	0.216437
Pmfbp1_j2	0.078512	0 -1.79769e+308		0.0005174	1
Pmfbp1_j5	2.17E-05	0.129824	12.5493	0.945762	1
Pkd1l3_j1	0.151147	0.109354	-0.466947	0.518448	0.796491
Zfp821	0.114976	0	0	1	1
Ap1g1	8.27271	6.78428	0	1	1
Phlpp2	1.32116	1.1082	0	1	1
Phlpp2_j3	0.116312	0.0187318	0	1	1
Zfp612	1.79329	1.86713	0	1	1
Zfp612	1.68218	1.41864	0	1	1
Zfp612_j2	0.376107	0.298069	0	1	1
Ftsjd1	2.10842	1.88274	-0.163328	0.318924	0.662268
Vac14	11.4211	11.6919	0.0338065	0.746527	0.911752
Mtss1l_j2	0.769151	0.551218	0	1	1
Cog4	30.699	31.3769	0.0315102	0.728286	0.903676
St3gal2	4.02494	3.04299	0	1	1
St3gal2_j1	0.105056	0.0882862	0	1	1
Aars	26.1496	28.5004	0	1	1
Pdpr	0.438007	0.329569	0	1	1
Znrf1_j1	0.741235	0.468962	0	1	1
Znrf1	3.62143	4.97471	0	1	1
Zfp1	0.783086	0.716415	-0.128375	0.678784	0.879317
Zfp1	0.251304	0.15563	-0.691314	0.260675	0.609434
Gabarapl2	6.38007	5.93109	-0.105276	0.432162	0.744128
Gabarapl2_j1	0.0725673	0.116161	0.678739	0.390594	1
Terf2ip	5.71606	6.21092	0.119785	0.335569	0.676259
XLOC_032577	0.146413	0 -1.79769e+308		0.0052531	0.052605
Cntnap4	4.40966	3.77406	-0.22455	0.0811276	0.34681
Mon1b	0.346576	0.462469	0	1	1
Mon1b	5.98251	4.99581	0	1	1
Nudt7	1.63225	1.623	-0.00820357	0.963428	0.989786

Vat1l	11.3162	10.8339	0	1	1
Wwox_j4	0.172529	0.229519	0.411776	0.587258	0.834951
Atmin	21.8265	20.5647	-0.0859066	0.336543	0.676991
Gan	1.83092	2.40764	0	1	1
XLOC_032587	0.5908	0.104121	0	1	1
4933407C03Rik	28.3236	27.0719	0	1	1
4933407C03Rik_j2	10.339	9.26679	0	1	1
4933407C03Rik_j4	8.9032	12.5654	0	1	1
Plcg2	0.149348	0.187714	0.329861	0.523211	0.799177
Plcg2_j4	0.137374	0.0355469	-1.95032	0.0725425	0.324146
Plcg2_j5	1.46376	0.800458	-0.870785	0.0059964	0.0585098
Cdh13	2.23053	2.26038	0.0191738	0.902	0.968734
Hsbp1	71.1433	79.4158	0.158698	0.0735667	0.326919
Mlycd	7.32657	7.4828	0.0304404	0.827099	0.944289
Osgin1	0.863582	0.132916	-2.69982	0.0001592	0.0031706
Necab2	8.60677	6.48456	-0.408463	0.003863	0.041831
Wfdc1	1.54721	1.22058	-0.342102	0.196215	0.538985
Klhl36	0.573781	0.555643	-0.0463419	0.841311	0.949906
Usp10	7.94088	6.94509	0	1	1
Usp10	4.72953	4.35991	0	1	1
Crispld2	0.85989	0.606652	0	1	1
Crispld2	0.465598	0.870283	0	1	1
Gse1_j5	0.104364	0.27007	1.37171	0.0027448	0.0321441
Gse1_j8	3.21574	2.37548	-0.43693	0.0029831	0.0342832
Gm10614	0.138651	0.0876273	-0.662004	0.381678	0.711997
XLOC_032603	0.168194	0.11133	-0.595279	0.446049	0.75332
Cox4i1	50.3216	52.7742	0	1	1
Cox4i1_j2	115.76	185.706	0	1	1
Irf8_j3	0.19089	0 -1.79769e+308	0.0042457	0.0447999	
Map1lc3b_j1	125.511	165.365	0	1	1
Jph3	5.63159	4.82545	0	1	1
Jph3_j3	17.9348	15.5953	0	1	1
Banp_j7	0.111569	0 -1.79769e+308	1.98E-05	1	1
Banp_j6	0.236279	0.0189174	-3.6427	0.0032832	0.037034
Banp	0.000108252	0.282972	11.3521	0.701845	0.890467
Banp_j10	0.338955	0.0919749	-1.88178	0.0012813	0.0174408
XLOC_032613	0.147986	0.0809743	-0.869926	0.16182	0.496808
Zfpm1	0.175955	0.263004	0.579874	1	1
Zc3h18	3.8962	4.6817	0.264962	0.0435016	0.236848
AK209590	0.872983	0.847599	-0.0425713	0.874473	0.960101
Ctu2_j1	3.29215	3.49462	0.0861056	0.724482	0.901947
Ctu2	1.55168	1.99992	0.366108	0.0194609	0.138318
Cdt1	0.203736	0.429359	1.07549	0.0060578	0.0590149
Trappc2l	44.9471	47.1788	0.0699135	0.540174	0.808768
Acsf3	6.15347	4.4885	0	1	1
Acsf3_j3	2.71847	4.6618	0	1	1
XLOC_032621	0.0882045	0.0600645	-0.554341	0.574772	1

Cdh15	1.93197	1.97443	0.0313606	0.868334	0.958268
Cdh15_j2	4.82912	3.90663	-0.305838	0.17492	0.513197
Spg7_j1	12.4271	11.7363	0	1	1
Spg7_j2	1.99815	1.67457	0	1	1
Rpl13_j2	3.81669	3.43473	0	1	1
Cpne7_j1	0.126127	0.0956826	-0.398545	0.671358	1
Dpep1_j2	0.177229	0 -1.79769e+308		0.0003787	0.0064846
Dpep1	0.416572	0.713878	0.77711	0.0114543	0.0946995
Cdk10	5.55057	5.84128	0	1	1
Zfp276	2.24273	2.63388	0.231932	0.142612	0.469297
Zfp276_j1	0.722951	0.868735	0.265017	0.318903	0.662268
Spire2	24.3089	19.4497	0	1	1
Tcf25_j4	50.2178	53.4381	0	1	1
Tubb3	142.069	177.604	0.322073	0.0002589	0.0047543
Def8	0.779737	0.605305	-0.365326	0.0955716	0.381629
Def8	21.5907	21.0107	-0.0392876	0.683281	0.881397
Afg3l1	0.713358	0.860144	0	1	1
Afg3l1_j1	0.653631	0.512402	0	1	1
Afg3l1_j4	0.6305	0.544844	0	1	1
Gas8	11.1556	13.4271	0.267385	0.0237685	0.158595
Rhou	6.36501	6.67788	0	1	1
Rab4a_j1	0.243391	0.0656463	0	1	1
Gm4342	11.5539	14.7801	0	1	1
mKIAA0133_j1	0	0.121207	0	1	1
mKIAA0133_j3	1.43423	0.930131	0	1	1
Galnt2	7.50757	7.25416	0	1	1
Cog2	2.09984	2.25159	0	1	1
Capn9_j1	2.73039	2.57823	0	1	1
Trim67	0.987796	0.645976	-0.612731	0.002761	0.0322486
Gnpat	3.57709	4.00678	0.163658	0.130461	0.449719
Gm505	1.82214	1.53507	-0.247327	0.0970734	0.385109
Tsnax	5.53984	5.14564	0	1	1
XLOC_032650	0.132372	0.075227	0	1	1
Disc1_j4	0.195366	0.221596	0.181753	0.676266	0.878159
4933403G14Rik	0.655267	0.832815	0.345915	0.106189	0.404635
XLOC_032653	0.196602	0.100161	-0.972951	0.0702163	0.318226
Ntpcr	10.4916	10.5487	0	1	1
BC021891	0.669574	0.603296	-0.150379	0.550556	0.815393
Kcnk1_j1	7.11408	3.73394	-0.929977	6.38E-07	2.80E-05
Kcnk1	5.19347	3.33057	-0.64093	0.0005846	0.0092745
Kcnk1_j2	0.485319	0.181417	-1.41962	0.103653	0.399185
Slc35f3	1.49863	0.81003	-0.887597	0.0031004	0.0353565
Slc35f3_j7	0.131733	0 -1.79769e+308		0.0042583	1
1810063B05Rik	1.75468	1.76366	0.0073633	0.959562	0.988456
Pard3	0.633576	0.420575	-0.591154	0.0669975	0.309452
Pard3	0.0421639	0.0485297	0.20286	0.828204	1
Pard3	0.211686	0 -1.79769e+308		2.89E-09	2.22E-07

Pard3	0.111688	0.000510435	-7.77353	0.290994	1
Pard3_j10	0.47419	0.73693	0.63606	0.130231	0.449278
XLOC_032660	0.138483	0.0512736	-1.43342	0.411074	0.730561
Nrp1_j2	0.13823	0.107576	0	1	1
Nrp1_j4	1.91734	1.86158	0	1	1
Itgb1	8.41559	9.11959	0.115905	0.314986	0.659067
Itgb1_j3	0.080017	0.0889538	0.152749	0.882987	1
Insr	1.18784	1.08446	-0.131358	0.431556	0.743686
Pex11c	0.591579	0.266359	-1.1512	0.00899	0.0790315
Xab2	8.85966	8.69379	-0.0272653	0.820279	0.941821
AK019114	0.0876052	0.0808012	-0.11664	0.903848	1
AK019114_j1	0.0956666	0.0302104	-1.66297	0.384535	1
AK019114_j2	0.0623745	0.0449579	-0.472383	0.760154	1
Cd209a	0.232927	0.381189	0.710627	0.159884	0.494385
Gm17605	21.0615	21.0009	-0.0041544	0.969565	0.991454
Timm44_j3	0.0676612	0	0	1	1
Timm44	0.0721496	0.0259622	0	1	1
Elavl1_j1	3.29815	3.78088	0	1	1
Shcbp1	0.3886	0.326576	-0.250865	0.511571	0.791678
Efnb2_j1	3.4872	2.32843	0	1	1
Efnb2	3.1746	1.85046	0	1	1
Arglu1	3.47957	3.5783	0	1	1
Arglu1_j1	9.51316	8.80679	0	1	1
XLOC_032681	0.0768905	0 -1.79769e+308		0.0347249	1
XLOC_032681	0.233083	0.109774	-1.08631	0.251532	0.599417
Fam155a_j2	1.1251	0.115566	0	1	1
Fam155a_j1	0.862676	1.62058	0	1	1
Lig4	2.31629	1.95068	0	1	1
Lig4_j1	0.92188	0.973086	0	1	1
Irs2_j1	16.7987	27.5813	0	1	1
Irs2	4.68228	6.06623	0	1	1
Col4a1	8.56524	9.99873	0	1	1
Rab20	0.682034	0.627005	-0.121366	0.745879	0.911456
Cars2_j1	0.604518	0 -1.79769e+308		6.53E-09	4.76E-07
Cars2	5.977	5.57092	-0.101506	0.514352	0.793394
Ankrd10_j6	1.29318	1.69954	0	1	1
Ankrd10	0.320029	0.274457	0	1	1
Ankrd10_j3	0.644211	0.873127	0	1	1
Tubgcp3_j2	5.67809	5.71713	0	1	1
Tubgcp3	2.98234	2.73097	0	1	1
Pcid2	1.4348	1.30478	0	1	1
Pcid2_j3	1.25034	1.08054	0	1	1
Grtp1	0.374827	0.387963	0	1	1
Adprhl1	0.425893	0.273401	-0.639473	0.205874	0.550399
Dcun1d2	5.32435	4.40194	0	1	1
Gas6	74.4747	59.7804	-0.317077	0.0002483	0.0045976
Rasa3_j1	3.8858	4.96159	0.352593	0.0230378	0.155364

Rasa3	3.53681	3.39564	-0.0587671	0.680512	0.879921
2410022L05Rik	21.2132	19.5884	-0.114962	0.341658	0.681558
2610019F03Rik_j7	0.039445	0.717982	0	1	1
2610019F03Rik_j6	1.17057	0.000473303	0	1	1
Erich1_j2	0.682991	1.52793	0	1	1
Erich1	1.56972	0.616867	0	1	1
Csmd1_j7	0.237639	0.281981	0.246826	0.329305	0.67155
XLOC_032707	0.169055	0.159546	-0.0835193	0.916228	0.973929
Angpt2	6.31678	6.16179	-0.0358383	0.775591	0.923873
XLOC_032713	0.0592794	0.0419837	-0.497703	0.74368	1
6820431F20Rik_j2	1.30367	0.716828	-0.862878	0.0001313	0.0026978
Nek3	3.05876	2.83277	-0.110733	0.544307	0.811356
Ckap2_j1	0	0.238474	1.79769e+308	0.0010532	0.0148838
Ckap2_j2	0.120061	0.0474476	-1.33936	0.30335	1
Ckap2	0.427908	0.0127882	-5.06442	0.0154286	0.117303
Slc25a15_j3	0.461813	0.343044	0	1	1
Slc25a15_j4	0.185283	0	0	1	1
Slc25a15	0.946302	0.678034	0	1	1
Al316807	15.5465	15.1646	-0.0358846	0.778882	0.925554
Vdac3_j2	0.649179	0.488092	0	1	1
Polb	13.9405	15.6057	0.162796	0.210456	0.55502
Ikbkb_j1	0.0736874	0	0	1	1
Ap3m2	6.3971	9.09628	0	1	1
Agpat6	29.4782	33.2033	0.171679	0.0570836	0.279916
Gins4	7.9413	7.6085	-0.0617623	0.677419	0.878715
Golga7_j5	0.0643612	0	0	1	1
Ido2_j1	0.127552	0.0996178	-0.356614	0.640404	1
Adam5_j2	0.0960137	8.45E-06	-13.4722	0.991901	1
Adam5_j5	0.169013	0	-1.79769e+308	0.0002637	0.0048156
Adam9	4.59345	5.9181	0	1	1
Plekha2_j2	3.84516	4.25409	0	1	1
Plekha2	1.58381	0.968966	0	1	1
Tacc1_j2	0.56728	0.608818	0	1	1
Tacc1_j1	0.258093	0	0	1	1
Ddhd2_j1	1.2542	1.30945	0.0621922	0.717949	0.898424
Bag4	6.27935	5.80614	-0.113038	0.311863	0.656405
Ash2l_j1	9.30402	8.65061	-0.105052	0.44183	0.750327
Hgsnat	6.00848	5.81795	0	1	1
4930444A02Rik_j4	5.45614	5.17884	-0.0752516	0.727994	0.903627
Fnta_j2	35.3613	34.038	0	1	1
Fnta	20.544	17.6933	0	1	1
XLOC_032747	0.188797	0.0825095	-1.1942	0.363876	0.698002
Brf2	3.92569	4.58607	0.224312	0.0835427	0.352338
Chrna6	0.60806	0.306337	0	1	1
Chrna6_j1	0.227299	0.228	0	1	1
Unc5d_j1	0.133032	9.27E-06	-13.8083	0.970737	1
XLOC_032755	0.0512513	0	-1.79769e+308	0.0714886	1

XLOC_032755	0.110603	0.0429049	-1.36617	0.456442	1
Mak16	6.83002	7.2924	0.0945044	0.487658	0.77841
Gm6877	2.01287	1.79509	-0.165196	0.478875	0.773346
Wrn_j1	0.682248	0.541753	0	1	1
Wrn	0.842364	0.960783	0	1	1
Ubxn8	0.753584	0.684899	-0.137879	0.485834	0.777375
AK012595	7.04118	6.71049	-0.0693973	0.736611	0.907287
Rbpms	0.0474703	0 -1.79769e+308		0.0013815	1
Rbpms	0.218981	0.169771	-0.367209	0.33275	0.673866
Dctn6	7.322	7.62806	0	1	1
Dctn6_j1	3.04671	2.18892	0	1	1
Leprot1_j4	35.2754	50.9747	0	1	1
Leprot1	8.22079	7.84851	0	1	1
B930018H19_j3	0.0673731	0 -1.79769e+308		0.0367893	1
B930018H19_j4	0.120621	0.0558677	-1.11039	0.351271	1
Tnks_j5	0.0781654	0	0	1	1
Tnks	5.07422	3.75717	0	1	1
Eri1_j1	0.118902	0.163833	0.462452	0.425961	0.74082
Eri1	0.285386	0.308736	0.11346	0.746338	0.911646
Cldn23	0.177435	0.316239	0.833721	0.0578816	0.28236
Lonrf1	0.509178	0.574239	0.173481	0.379514	0.710908
Dlc1	2.66498	2.00153	0	1	1
Dlc1	1.25939	0.835962	0	1	1
Sgcj_j1	0.177709	0 -1.79769e+308		2.12E-08	1.39E-06
Msr1	0.183842	0.468478	1.34952	0.0028255	0.0328445
Mtmr7_j1	0.0636636	0.0918637	0.529026	0.299199	1
Mtmr7	16.3155	15.2989	-0.0928109	0.280795	0.629242
Mtus1	4.04765	4.92076	0	1	1
Mtus1	3.47905	1.86123	0	1	1
Mtus1	5.64926	3.36854	0	1	1
Mtus1_j1	1.48953	1.35271	0	1	1
Fgl1	0.59084	0.287767	-1.03786	0.0927747	0.374764
Asah1_j5	7.32398	9.60601	0	1	1
Asah1_j6	16.0623	15.0862	0	1	1
Frg1_j1	11.1953	10.8717	0	1	1
Cyp4v3	3.51617	3.47361	-0.0175695	0.903976	0.969335
Fam149a	8.28557	6.55731	-0.337496	0.001984	0.0248178
Tlr3_j1	0.0652224	0 -1.79769e+308		0.0045606	1
Tlr3	0.368561	0.427686	0.214648	0.550373	0.815351
1700029J07Rik	0.275405	0.21503	-0.357021	0.489721	0.779571
1700029J07Rik	0.560168	0.335487	-0.739603	0.175747	0.514267
Snx25_j2	6.5181	6.20374	0	1	1
Slc25a4_j1	343.62	324.981	0	1	1
Slc25a4	354.391	315.022	0	1	1
Ccdc111	1.39117	0.880356	-0.66014	0.0058747	0.0575644
Stox2_j3	0.524026	0.341233	0	1	1
Stox2	0.860439	0.863304	0	1	1

D030016E14Rik	14.5736	12.7134	-0.197001	0.0436136	0.237298
Gm8623	15.2706	17.0799	0.161542	0.316601	0.660102
Ing2	0.0750089	0 -1.79769e+308		0.030245	1
Ing2	1.28349	1.22534	-0.0668865	0.774836	0.923737
Cdkn2aip	1.74179	1.81639	0.0605004	0.76404	0.918964
Cdkn2aip	0.936716	0.929218	-0.0115951	0.967316	0.990716
Wwc2_j1	0.778985	0.631128	0	1	1
Wwc2	1.29941	1.36535	0	1	1
Odz3_j6	0.199808	0 -1.79769e+308		9.63E-13	1.38E-10
Odz3_j5	0.319243	0.0506386	-2.65634	3.06E-06	0.0001109
Odz3_j4	0.490664	0.55662	0.181957	0.43474	0.745796
Spcs3	3.58132	3.0102	0	1	1
Spcs3_j2	4.71091	4.06193	0	1	1
Wdr17_j10	0.248279	0.244969	-0.0193641	0.965981	0.990266
Wdr17_j9	0.146005	0 -1.79769e+308		1.27E-05	0.0003803
Sap30	1.60604	2.12741	0.405596	0.072819	0.324707
Galnt7	0.638154	0.790139	0.308201	0.23143	0.578473
Galnt7_j1	0.0873554	0 -1.79769e+308		0.0010157	1
Galntl6_j1	0.130595	0 -1.79769e+308		0.0008892	1
Galntl6_j3	0.0713548	0.00562122	-3.66606	0.513195	1
Galntl6_j4	0.0948231	0.0263134	-1.84944	0.142816	1
Clcn3_j1	15.925	15.9698	0	1	1
Clcn3_j3	1.20454	0.821268	0	1	1
Clcn3	3.94681	3.68305	0	1	1
Palld_j4	1.46978	1.75473	0	1	1
Palld	0.417203	0.449829	0	1	1
Palld_j5	0.0662295	0	0	1	1
Palld_j3	1.60627	0.903463	0	1	1
Palld	0.372704	0.525599	0	1	1
Anxa10	0.320257	4.68214	3.86987	0	0
Anxa10_j3	0.143433	0.165264	0.204397	0.832527	0.945929
Tll1	0.770654	0.409096	-0.913643	2.39E-05	0.0006406
Tll1_j2	0.161513	0 -1.79769e+308		4.00E-08	2.42E-06
Cpe	87.4839	73.221	-0.25676	0.0035667	0.0395363
Sc4mol_j1	59.9074	52.3867	0	1	1
Sc4mol	44.2317	45.1209	0	1	1
Klhl2	13.0655	12.3132	-0.0855491	0.418648	0.735429
1810029B16Rik	1.67902	2.0962	0.32016	0.0412926	0.228575
Gm9755	11.7683	7.9113	-0.572918	0.0002092	0.0039835
Psd3	0.682535	0.377873	0	1	1
Psd3_j2	0	0.174449	0	1	1
Csgalnact1	0.943533	1.62906	0	1	1
Csgalnact1_j4	0.48339	0.188914	0	1	1
Slc18a1	0.750037	0.465727	-0.687478	0.0390919	0.220578
Slc18a1_j3	0.371843	0.207768	-0.839719	0.0425031	0.233027
Lzts1_j3	0.656488	0.183459	0	1	1
Lzts1_j1	6.01737	3.64602	0	1	1

AK034302_j2	0.771072	0.859131	0	1	1
AK034302	2.54076	1.59888	0	1	1
Zfp866	0.173614	0.0912144	-0.928551	0.0910835	0.371031
Ndufa13_j2	15.3347	15.7941	0.0425802	0.708811	0.893906
Gatad2a_j2	0.314589	0.0909272	0	1	1
Gatad2a_j4	1.97633	2.21726	0	1	1
Gatad2a_j3	1.01808	0.966677	0	1	1
Gatad2a_j5	2.3231	1.48459	0	1	1
Mau2	3.46982	3.0651	0	1	1
Mau2_j3	6.0684	6.50425	0	1	1
Ncan_j2	0.169502	5.87E-05	0	1	1
Ncan	1.03584	1.03505	0	1	1
Rfxank	3.14863	2.90645	-0.115469	0.476905	0.772482
Slc25a42	3.56335	3.02848	-0.234642	0.148602	0.477466
Armc6_j3	0.924774	0.862988	0	1	1
Armc6	3.21195	4.31818	0	1	1
Ddx49	8.93348	9.10226	0.0270026	0.805051	0.935568
Upf1	0.150748	0.131367	-0.198537	0.570167	0.826162
Crtc1	6.19071	4.2014	0	1	1
Klhl26_j3	6.45023	6.58709	0	1	1
Klhl26	3.70476	3.81014	0	1	1
Tmem59l_j2	15.3189	14.5178	0	1	1
Tmem59l	69.519	49.8347	0	1	1
2810428l15Rik_j1	13.5219	13.8319	0.0326997	0.8633	0.956634
2810428l15Rik	31.8994	33.3197	0.062846	0.597574	0.840317
2810428l15Rik_j2	1.32908	2.79829	1.07411	0.0206051	0.143858
Ssbp4_j7	9.3083	8.77422	0	1	1
Ssbp4	5.79044	5.93778	0	1	1
Pgpep1	3.19856	3.47893	0.121224	0.348252	0.686627
Mpv17l2	0.227586	0.303842	0	1	1
Mast3_j1	0.197691	0.144596	-0.451219	0.209156	0.553362
Mast3_j2	0.430936	0.229649	-0.908044	0.0041451	0.044054
Arrdc2_j1	0.956882	1.32486	0	1	1
Arrdc2	1.0797	0.897784	0	1	1
Arrdc2_j5	0.508867	0.134231	0	1	1
Kcnn1	4.26813	3.21207	0	1	1
Kcnn1_j1	0.331132	0.138707	0	1	1
Ccdc124_j1	4.94419	7.61582	0	1	1
Ccdc124_j3	0.571279	0.823192	0	1	1
Slc5a5_j3	7.74393	6.99157	0	1	1
Gm15427_j1	0.0836802	0.0349879	-1.25803	0.432477	1
Gm15427_j2	0	0.0878593	1.79769e+308	0.0527143	1
Gm15427_j3	0.288856	0	-1.79769e+308	9.51E-06	0.000297
Haus8_j2	0.431517	0.000266347	-10.6619	0.819147	0.94142
Haus8_j1	0.881839	0.744186	-0.244852	0.517723	0.795965
Haus8	4.16194	4.74475	0.189074	0.240071	0.587436
Nr2f6	3.42987	2.97645	0	1	1

Ushbp1_j6	0.490894	0.394644	-0.314861	0.507557	0.789728
Ushbp1	0.211603	0.293791	0.473433	0.390169	0.717194
Ushbp1_j2	0.0336592	0.0533504	0.664497	0.546365	1
Ushbp1_j8	0.162853	0.0154339	-3.39939	0.0723297	0.323621
Abhd8	46.9819	41.2842	-0.186514	0.0386369	0.218949
Ano8_j1	0.251428	0.177562	0	1	1
Ano8_j8	5.92658	5.42276	0	1	1
Plvap	1.16611	1.22824	0.0748909	0.597462	0.840295
Bst2	8.0386	12.8127	0.67256	1.63E-05	0.0004695
Tmem221	0.226969	0.275377	0.278914	0.636009	0.858939
Tmem221_j3	0.132495	0.0507723	-1.38383	0.397369	1
Unc13a_j4	3.56485	1.15375	0	1	1
Unc13a_j3	1.47093	0.757153	0	1	1
Fcho1_j2	0.142675	0.277839	0	1	1
Fcho1	0.524682	0.0680607	0	1	1
Fcho1_j1	2.39989	1.78563	0	1	1
Eps15l1_j8	2.5315	2.79659	0	1	1
Eps15l1_j7	8.54082	7.66741	0	1	1
Cherp	0.523319	0.430892	-0.280365	0.349944	0.687527
Slc35e1	8.27033	6.17848	-0.420692	5.87E-05	0.0013639
Med26	2.11151	2.04415	-0.0467694	0.791136	0.930371
9130011J15Rik_j3	0.812217	0.573391	-0.502347	0.212322	0.557306
Large_j2	0.320766	0.319084	0	1	1
Large	1.6728	1.51405	0	1	1
Gm7901	14.3358	17.0374	0.249086	0.0229525	0.154886
Arhgap10	1.03519	1.05574	0.0283638	0.901353	0.968662
Tmem184c	41.8002	33.5225	0	1	1
Tmem184c_j1	3.80768	2.25735	0	1	1
Ednra	1.16328	0.810919	-0.520567	0.0338336	0.201353
Pou4f2	0.643102	0.467521	-0.460017	0.0856732	0.357343
Rbmxrt_j1	6.00083	2.552	0	1	1
Lsm6_j6	2.69226	2.83127	0.0726339	0.658919	0.870368
1700011L22Rik_j3	0.3345	0.402967	0.268657	0.554376	0.817472
Mmaa_j3	0.143374	0.0351464	0	1	1
Mmaa_j7	0.305693	0.190646	0	1	1
Mmaa_j16	0.240562	0.0831005	0	1	1
Smad1_j3	9.49101	7.92432	0	1	1
Smad1	3.55578	4.45463	0	1	1
Abce1	10.0843	9.08194	0	1	1
Gm5909	22.4641	23.4136	0.0597274	0.572049	0.827134
Smarca5_j2	0	0.0972668	1.79769e+308	0.0992454	1
Gab1_j2	2.32329	0.940679	0	1	1
Gab1	0.409965	0.103138	0	1	1
Usp38_j2	4.50989	5.11878	0	1	1
Usp38	4.58508	3.56416	0	1	1
Il15_j3	0.273291	0.147794	-0.88685	1	1
Zfp330_j1	1.01168	0	-1.79769e+308	7.84E-08	4.36E-06

Zfp330_j7	0.0472707	0	-1.79769e+308	0.193921	1
Elmod2	5.185	4.74088	-0.12919	0.310995	0.655811
Scoc_j3	1.55192	0.592717	0	1	1
Scoc	39.4926	42.211	0	1	1
Scoc_j4	0.19089	0.0188709	0	1	1
Tecr_j1	113.197	129.392	0	1	1
Tecr_j8	44.0086	51.1315	0	1	1
Tecr	12.0913	20.2821	0	1	1
Pkn1_j1	5.67665	4.93318	0	1	1
Cd97	0.182354	0.00500628	-5.18686	0.0114674	0.094775
AK134933_j4	0.113121	0	-1.79769e+308	0.0298688	1
AK008705_j1	0.428331	0.229219	-0.902001	0.129911	0.448911
AK008705	0.998375	0.514405	-0.956678	0.0064867	0.0621152
AK008705_j2	0.388844	0.274709	-0.501285	0.422727	0.738516
Dcaf15_j5	0.358908	0.0327739	-3.45299	0.0009472	0.0136887
Dcaf15_j10	0.132408	0	-1.79769e+308	0.0151642	1
Cc2d1a_j1	5.77633	6.13462	0	1	1
Cc2d1a	4.89251	4.71184	0	1	1
Nanos3_j2	0.364297	0.182399	-0.998019	0.266377	0.615515
Zswim4	1.375	1.58801	0	1	1
Mri1_j1	17.2792	23.7851	0	1	1
Mri1_j3	8.47	7.41683	0	1	1
Ccdc130	2.91991	3.03522	0.0558772	0.762868	0.918329
Ier2	2.8859	3.33611	0.209144	0.223838	0.571034
Nacc1_j2	0.659809	0.570011	0	1	1
Nfix_j4	0.286831	0.121386	-1.2406	0.0014681	0.0194035
Calr	135.147	155.759	0.20478	0.0167326	0.124426
Gcdh_j2	0.292955	0.241276	0	1	1
Gcdh	3.19976	2.39885	0	1	1
Mast1_j1	30.095	35.754	0	1	1
Mast1	49.3697	43.1988	0	1	1
Mast1_j2	5.35702	3.44987	0	1	1
Rnaseh2a_j1	2.52091	2.29988	0	1	1
Asna1	45.3799	45.4243	0.00140866	0.988078	0.996422
Wdr83_j2	0.944825	0.772476	-0.290557	0.188949	0.530559
Vps35_j1	4.11761	1.38978	-1.56695	4.05E-11	4.46E-09
Vps35	1.18291	1.03346	-0.194861	0.231684	0.578783
4921524J17Rik	0.616197	0.338351	-0.864873	0.188537	0.530139
4921524J17Rik	3.13785	2.76844	-0.1807	0.434322	0.74545
Dnaja2	58.5023	57.6804	-0.0204125	0.813031	0.938881
Neto2_j1	0.660921	0.732919	0	1	1
Neto2	1.22736	0.525806	0	1	1
Itfg1	34.7036	29.2405	0	1	1
Itfg1_j2	8.29069	8.78111	0	1	1
Siah1a_j1	1.96951	1.81545	-0.11751	0.681216	0.880213
Siah1a	1.37451	1.11751	-0.298635	0.161142	0.496039
N4bp1_j3	1.60602	1.63683	0	1	1

N4bp1_j2	0.0907992	0.0235961	0	1	1
N4bp1_j1	0.216275	0.0267098	0	1	1
Cbln1	1.16904	1.35959	0.217846	0.333356	0.674392
Zfp423_j4	0.980148	0.000303748	0	1	1
Zfp423_j5	0.549637	0.347542	0	1	1
Zfp423	0.972355	0.67903	0	1	1
Brd7	0.791167	0.859807	0.12003	0.526603	0.801166
Brd7_j2	1.42237	1.41863	-0.00379985	0.989268	0.996615
Tox3_j2	0.813115	0.662117	0	1	1
XLOC_032955	0.260957	0.207836	-0.328366	0.740991	0.909195
Aktip	10.7504	11.3947	0	1	1
Irx3	0.933511	0.783122	-0.25343	0.292408	0.639388
Gm16615_j1	0.282691	0.22185	-0.349642	0.445186	0.752854
Amfr	0.180066	0.377951	0	1	1
Nudt21_j2	1.64065	0.346958	0	1	1
Bbs2_j3	1.46625	1.63379	0	1	1
Bbs2	2.99513	2.2622	0	1	1
Fam192a_j3	0.902228	0.877548	0	1	1
Fam192a	9.50643	9.28364	0	1	1
Pllp	1.93323	2.48515	0	1	1
Ciapi1	5.73465	7.04595	0	1	1
Dok4_j1	98.6739	86.4232	0	1	1
Dok4	27.8122	22.0578	0	1	1
Ccdc102a_j1	1.29729	0.768577	-0.755236	0.0675316	0.310965
Ccdc102a_j4	0.89372	0.691614	-0.369855	0.140996	0.466982
Ccdc102a	0.77241	0.636983	-0.278113	0.43579	0.746551
Kifc3	0.636285	0.535804	-0.247968	0.28039	0.629067
Zfp319_j1	0.248736	0.476155	0	1	1
Zfp319	1.22853	0.97038	0	1	1
Gtl3_j2	5.18656	6.37709	0	1	1
Gtl3	5.73166	5.46043	0	1	1
Csnk2a2	12.3431	13.4307	0.121837	0.360584	0.695475
XLOC_032981	0.153453	0 -1.79769e+308		0.0048834	0.0498247
Cnot1_j2	0.0677482	0	0	1	1
Cnot1_j3	0.111925	0.157211	0	1	1
Slc38a7	9.54625	9.83026	0	1	1
Got2_j5	1.02723	1.05898	0	1	1
Got2	17.659	18.0509	0	1	1
Gm5913	0.282137	0 -1.79769e+308		5.45E-05	0.0012835
Cdh8_j1	0.360327	0.0999477	0	1	1
Cdh11_j4	0.0969807	0.0436771	0	1	1
Cdh11	0.86912	0.632534	0	1	1
Gm8730	123.8	138.33	0.160103	0.0650355	0.303642
XLOC_032992	0.0919471	0.0286842	-1.68055	0.304881	1
XLOC_032992	0.140303	4.97E-06	-14.7856	0.996065	0.998914
XLOC_032992	0.256934	0.162114	-0.664385	0.525405	0.800757
Cmtm4	5.37997	4.01887	-0.420808	0.0001315	0.0027009

Dync1li2	24.6581	21.5428	0	1	1
Nae1	18.1626	17.6167	-0.0440294	0.665234	0.873092
Fam96b	5.6003	6.35976	0.18347	0.373424	0.706279
Fam96b_j1	10.8579	10.3565	-0.0682146	0.660805	0.871365
B3gnt9-ps_j1	0.166866	0.138767	-0.266022	0.485955	0.777391
Tradd_j3	3.60572	2.98574	0	1	1
Kctd19	0.190857	0.130334	-0.550276	0.317194	0.66048
Tppp3_j1	971.563	1048.81	0.110379	0.230107	0.57715
Acd_j1	0.183523	0.265988	0	1	1
Gfod2	10.6141	12.4368	0.228627	0.0649296	0.303264
Gfod2_j1	2.03888	2.09383	0.0383708	0.877177	0.96086
Ctrl_j2	0.114541	0.0837316	-0.452026	0.677293	1
Psmb10_j7	2.89895	2.35193	-0.301683	0.183474	0.524089
Slc12a4_j5	0.617035	0.517326	-0.254279	0.440273	0.749566
Slc12a4_j3	2.87176	2.16161	-0.409827	0.0096198	0.0832762
Smpd3	0.133204	0.454416	1.77037	1.80E-05	0.0005095
Chtf8	15.5711	17.2934	0	1	1
Cog8_j1	0.885287	1.5318	0.791014	1.37E-07	7.08E-06
Cog8_j2	3.87079	3.57619	-0.114205	0.232282	0.579355
Terf2_j2	0.0511175	0.141191	0	1	1
Terf2_j1	3.05299	2.64026	0	1	1
Nqo1	3.44369	2.9519	-0.222309	0.175542	0.514061
Nqo1_j1	0.730181	0.50451	-0.53337	0.215727	0.561549
Nob1	7.43042	8.92522	0.264444	0.057148	0.280101
Rps26-ps1	169.948	208.906	0.297763	0.0013621	0.0183251
Psm7	47.0537	44.434	0	1	1
AK042944_j2	0.516427	0.262365	-0.976989	0.0236939	0.15827
AK042944	1.2136	0.917067	-0.404191	0.143561	0.470705
Gm1943	6.71108	7.5587	0.171592	0.275419	0.624497
Dhx38	2.47368	2.35093	0	1	1
Dhx38_j2	1.42604	1.35372	0	1	1
Hp	0.13482	0.216651	0.684333	0.382166	0.712302
Dhodh	3.0787	2.69386	0	1	1
Dhodh_j2	0.925328	1.1239	0	1	1
2400003C14Rik_j1	7.17056	7.64629	0	1	1
2400003C14Rik	7.00135	7.16896	0	1	1
Atxn1l_j2	0.233925	0.152804	0	1	1
Atxn1l	1.57462	0.539861	0	1	1
Atxn1l	1.02869	0.872541	0	1	1
Marveld3	0.217753	0.197806	-0.138609	0.830866	0.945436
Marveld3	0.462668	0.298888	-0.630372	0.128753	0.447154
Calb2	12.2292	4.45579	-1.45658	0	0
Il34_j1	0.102739	0.429386	0	1	1
Sf3b3	10.8897	12.7789	0.2308	0.0188232	0.135304
Fuk	2.14491	1.72091	-0.317746	0.0287425	0.180466
Ddx19b	4.63016	4.16925	0	1	1
Mrc1_j2	0.0637632	0 -1.79769e+308	0.0286629		1

Mrc1_j6	0.182916	0.307114	0.747588	0.211435	0.556171
AK020517_j1	0.322223	0.429972	0	1	1
Glg1	13.103	9.39831	0	1	1
Rfwd3_j2	0.109036	0.047488	-1.19916	0.338819	1
Mkl_j1	0.275265	0.163222	-0.75399	0.231603	0.578702
Mkl_j2	0.0228734	0.0665041	1.53977	0.287996	1
Fa2h	1.77485	2.50011	0.494294	0.0146709	0.113117
Wdr59	3.66705	3.31776	0	1	1
Ldhd	4.05365	3.97855	0	1	1
Bcar1	3.34598	2.34565	0	1	1
Bcar1	8.81137	7.24393	0	1	1
Cfdp1	46.0202	51.165	0.15289	0.10864	0.409839
Chst5	1.17012	1.07247	-0.125726	0.640634	0.861195
Tmem231_j3	1.42425	0.937751	0	1	1
Tmem231	2.65076	2.73364	0	1	1
Adat1	0.676731	0.537824	-0.331447	0.28055	0.629156
Kars	3.48676	3.9456	0.178355	0.281854	0.630397
Kars	1.33954	1.52172	0.183964	0.433691	0.744965
Maf	5.72379	5.11248	-0.162948	0.255837	0.604593
Cdyl2	1.17134	1.24326	0.0859707	0.61132	0.846879
2310061C15Rik	3.56623	2.58174	-0.466057	0.0011997	0.0165463
Gcsh_j3	0.537184	0.316205	0	1	1
Gcsh	15.4392	16.0477	0	1	1
Pkd1l2_j14	0.0684472	0.0118078	-2.53525	0.317896	1
Pkd1l2_j15	0.372012	0 -1.79769e+308		7.56E-08	4.23E-06
Pkd1l2_j23	0.262022	0 -1.79769e+308		0.0155557	0.117796
Sdr42e1_j2	0.573119	0.635366	0.148754	0.671325	0.875757
Sdr42e1	0.9909	1.02223	0.0449132	0.868225	0.958254
Mlycd	1.23208	0.950018	-0.375071	0.184978	0.525175
Mbtps1_j1	2.12514	2.65093	0	1	1
Mbtps1_j2	2.53799	3.10121	0	1	1
Mbtps1	5.59597	4.44165	0	1	1
Hsd1_j3	3.22273	1.59744	0	1	1
Hsd1_j4	0.276006	0.000491464	0	1	1
Hsd1	26.5434	22.8159	0	1	1
Taf1c_j3	0.0646445	0 -1.79769e+308		0.0153125	1
Taf1c	2.3391	2.37913	0.02448	0.889868	0.965024
Kcng4	0.768142	0.384642	-0.997855	0.0050521	0.0510969
4632415K11Rik_j1	2.01927	1.84136	0	1	1
4632415K11Rik	3.61987	3.77044	0	1	1
Cot1	26.7081	28.6982	0.103681	0.304505	0.650023
Fam92b_j1	0.339328	0.0289862	-3.54924	0.0003744	0.0064223
AK039624_j1	0.0563268	0.0156822	0	1	1
AK039624_j2	2.45636	1.81434	0	1	1
Gins2	3.18835	3.39818	0.0919492	0.554145	0.817354
XLOC_033092	0.17853	0.113089	-0.658711	0.365204	0.699035
1190005I06Rik_j1	0.788948	0 -1.79769e+308		0.000116	0.0024361

1190005I06Rik	2.59552	2.33861	-0.15037	0.605905	0.844806
Cox4nb	7.02155	7.02263	0	1	1
AK087264_j7	0.0514013	0 -1.79769e+308		0.0199288	1
AK087264_j6	0.0719149	0.0358799	-1.00312	0.392836	1
Mthfsd_j5	8.84575	7.98786	0	1	1
Mthfsd_j7	0.232636	0	0	1	1
Fbxo31_j1	4.61245	0.662583	0	1	1
Fbxo31	37.3336	24.9317	0	1	1
Zcchc14_j1	2.66924	3.0086	0	1	1
Zcchc14_j3	0.0828552	0.000258921	0	1	1
Zcchc14	0.614097	0.220878	0	1	1
Klhdc4	5.50515	5.51344	0.00217043	0.988617	0.996598
Slc7a5	9.65639	10.9232	0	1	1
Cyba	3.25852	5.88705	0.853328	1.89E-05	0.0005316
Mvd	32.4945	35.9019	0.143863	0.134253	0.456007
Rnf166_j1	0.64656	1.36122	1.07404	0.0056062	0.0554282
Rnf166	6.90189	6.46469	-0.0944089	0.523003	0.799177
Fam38a_j9	0.146174	0.0266972	-2.45292	0.225586	0.572642
Fam38a_j11	0.0739176	0.136915	0.889292	0.478645	1
Fam38a_j12	0.112874	0.148862	0.399263	0.659901	1
Aprt	21.8664	32.7507	0.582812	1.46E-06	5.76E-05
Galns	0.137962	0.133503	-0.0473937	0.955281	0.987125
Galns	1.19378	1.35441	0.182127	0.446399	0.753343
Cbfa2t3	0.241812	0.271944	0.169425	0.607004	0.845186
Cbfa2t3_j3	1.28417	1.14371	-0.167113	0.46236	0.763237
Cbfa2t3_j4	0.237683	0.117771	-1.01306	0.0887302	0.365059
AK032654_j4	0.110777	0 -1.79769e+308		0.0057226	1
Ankrd11	12.496	12.6067	0	1	1
Ankrd11_j3	0.157049	0.144575	0	1	1
Chmp1a	14.4619	14.8761	0.0407321	0.658115	0.869911
Spata2L	0.763141	0.876187	0	1	1
Spata2L	0.569408	0.483259	0	1	1
1300018I17Rik	9.33696	9.53611	0.0304478	0.799755	0.933125
1300018I17Rik_j1	0.802138	0.178457	-2.16828	0.000289	0.0051804
Fanca_j3	0.548028	0.442384	-0.30895	0.287268	0.635532
Dbn1dd1	2.51575	2.24434	0	1	1
XLOC_033123	0.132919	0.0614827	-1.11229	0.486394	1
XLOC_033123	0.155871	0 -1.79769e+308		0.0507124	0.260788
Nup133	2.6309	2.41073	0	1	1
Abcb10	3.69854	3.39898	0	1	1
Taf5l	4.58737	4.85436	0	1	1
Pgbd5	10.7545	9.26563	0	1	1
Agt	0.63607	0.644327	0	1	1
Agt_j1	1.27364	0.892973	0	1	1
2310022B05Rik	6.68865	5.22993	0	1	1
Fam89a	19.8835	21.0246	0	1	1
2810004N23Rik	5.12869	5.73564	0.161363	0.166467	0.502925

Egln1	10.9378	10.0384	0	1	1
Sipa1l2_j1	3.015	4.02235	0.415881	0.0526427	0.266489
Sipa1l2	2.26336	1.80922	-0.323096	0.0325457	0.196107
Pcnxl2_j6	5.28235	5.62749	0	1	1
Pcnxl2_j2	1.37061	0.509589	0	1	1
Pcnxl2	3.01547	2.31289	0	1	1
Irf2bp2	3.56512	3.54833	0	1	1
Rbm34	3.23687	2.19585	0	1	1
Pnpla6_j8	0.538255	1.62494	0	1	1
2900053A13Rik_j5	2.59591	1.92972	0	1	1
Stxbp2	0.367453	0.391056	0	1	1
Stxbp2	0.327308	0.365729	0	1	1
Stxbp2_j4	0.814042	0.528952	0	1	1
XLOC_032144	0.0802524	0.323242	2.01	0.0038439	0.0416841
Evi5l_j3	4.38723	5.42736	0	1	1
Evi5l_j8	0.459945	0.405413	0	1	1
Map2k7_j8	3.92439	4.29509	0.13022	0.331559	0.673024
Snpc2_j1	7.54193	10.5041	0	1	1
Lass4_j3	6.72606	7.6973	0	1	1
Abhd13	0.634252	0.40748	0	1	1
Myo16_j3	0.527682	0.748253	0.503858	0.0540039	0.270834
Myo16_j4	0.343855	0.704132	1.03405	0.0651447	0.303974
Carkd	10.5604	9.83072	0	1	1
Arhgef7_j1	2.50263	2.73086	0.125914	0.459911	0.761686
Mcf2l_j4	5.82168	5.10652	-0.189094	0.126268	0.442495
Mcf2l_j5	3.49677	3.01139	-0.215593	0.185652	0.525938
Cul4a	0	0.864381	0	1	1
Cul4a_j2	10.4869	10.4233	0	1	1
Cul4a_j4	4.62086	6.19046	0	1	1
Upf3a_j2	1.93893	2.00436	0.0478856	0.909024	0.971253
Fbxo25_j3	9.85255	10.0338	0.0262959	0.864853	0.956985
Cln8_j1	0.000891436	1.41135	0	1	1
Arhgef10_j7	0.0850515	0	0	1	1
Kbtbd11	1.19084	0.65054	0	1	1
XLOC_032187	0.1704	0.13327	-0.354579	0.713627	0.896209
XLOC_032189	0.0701254	0.0662594	-0.0818131	0.942654	1
Mcp1_j4	1.12568	1.23229	0.130535	0.668459	0.874474
XLOC_032199	1.24534	1.40291	0.171886	0.752657	0.914482
Thsd1_j3	0.102384	0.115947	0.179474	0.804908	1
Thsd1	0.913409	1.04963	0.200553	0.391834	0.718161
Mrps31_j1	4.41178	4.41169	-2.88E-05	0.999823	0.999918
Myst3_j1	0.466571	0.308692	0	1	1
Myst3_j4	1.59913	1.43063	0	1	1
Ank1_j3	0.647579	0.550191	0	1	1
Ank1_j5	3.6476	6.0564	0	1	1
Ank1_j11	1.73034	2.15839	0	1	1
Fgfr1	12.2782	9.73059	0	1	1

Whsc1l1_j3	1.53538	1.85718	0.274522	0.19241	0.534598
Whsc1l1_j11	1.93174	2.05843	0.0916386	0.571991	0.827134
Ppapdc1b	1.75122	1.92215	0.134359	0.459392	0.761406
ENSMUSG00000054427	0.861228	0.899603	0.0628943	0.829162	0.944887
Lsm1	14.9028	15.0163	0.010949	0.931872	0.979283
Prosc	1.35024	1.17801	-0.196855	0.653449	0.867469
Chrn3_j4	0.247257	0.113729	0	1	1
BC019943_j2	0.744858	0.961546	0.36839	0.106992	0.406455
Fut10_j1	0.0272704	0.205965	2.91699	0.0089265	0.078672
XLOC_032244	0	0.0964312	1.79769e+308	0.0579415	1
Tmem66	52.114	59.2199	0	1	1
Dusp4_j1	0.437849	0.326921	0	1	1
Dusp4_j3	0	0.406511	0	1	1
XLOC_032260	0.722702	0.531127	-0.444345	0.459173	0.761406
XLOC_032261	0.0347548	0.118739	1.77251	0.199251	1
Kiaa1456_j3	0.711072	0.603802	-0.235919	0.364127	0.698291
AI429214	0.827103	0.893855	0.111973	0.648258	0.864551
Tusc3_j5	13.5299	9.04269	0	1	1
Tusc3_j1	3.14888	1.91659	0	1	1
AK080223_j1	0.286353	0.11765	-1.28329	0.307759	0.652771
Slc7a2_j3	1.85428	2.18357	0	1	1
Fat1_j4	0.474547	0.514559	0.116787	0.6617	0.871766
Sorbs2_j8	0.269491	0.404021	0	1	1
Sorbs2_j16	0.476512	0.424885	0	1	1
Ufsp2	24.9085	22.8551	-0.124125	0.257364	0.606261
Acs1_j2	0.99264	2.53179	0	1	1
Irf2_j2	0.378147	0.490989	0.376742	0.50793	0.789986
Rwdd4a_j1	0.0204203	0.154107	2.91586	0.0486734	1
Dctd	0	0.209228	1.79769e+308	0.002292	0.027803
Gpm6a	2.5015	1.17067	0	1	1
Hpgd_j3	0.776915	0.80255	0.0468345	0.921472	0.975376
AK141659	0.156582	0.162155	0.0504543	0.933125	0.979673
AK141659_j5	0.152288	0	-1.79769e+308	0.0454047	0.243949
2700029M09Rik_j1	1.04115	1.00572	-0.0499493	0.926881	0.977384
Nek1_j3	0.649923	0	0	1	1
Nek1_j5	0.544949	0.625572	0	1	1
Ddx60_j6	0	0.0999328	1.79769e+308	0.0966687	1
March1_j1	0.0809542	0.10609	0.39011	0.753827	1
Ints10_j6	0.375133	0.269515	0	1	1
Atp13a1	1.86918	1.95792	0	1	1
Gmip_j1	4.04E-05	0.298966	12.8531	0.905486	0.969961
Gmip_j6	0.416577	0.675175	0.696678	0.0762073	0.333558
Lpar2_j2	0.0726525	0	-1.79769e+308	0.0085933	1
Tm6sf2_j12	0.158252	0.289639	0	1	1
Hapln4_j2	6.07063	3.93885	0	1	1
Nr2c2ap_j2	5.22005	8.17066	0.646388	0.0003378	0.005888
Sugp2_j6	0.174687	0.525959	0	1	1

Sugp2	2.22713	1.90532	0	1	1
Sugp2_j8	1.64242	1.80644	0	1	1
Lass1_j1	8.35725	7.38638	-0.17816	0.200951	0.544315
Comp	4.15374	4.22519	0	1	1
Crlf1_j2	1.49299	1.72144	0.205411	0.254313	0.602656
Crlf1_j4	0.340182	1.70942	2.32913	4.86E-08	2.87E-06
Isyna1_j3	0.386808	0.642052	0.731071	0.116533	0.424567
XLOC_032353	0.203279	0.165613	-0.295647	0.668079	0.874424
Pde4c_j14	0.230313	0.207792	-0.148457	0.850255	0.952363
Pde4c_j20	0	0.388986	1.79769e+308	0.0019096	0.0240817
Myo9b_j6	0.021354	0.0893968	2.06571	0.0248547	1
Myo9b_j9	0.875347	0.807383	-0.116601	0.671554	0.875915
XLOC_032364	0.0780618	0.039292	-0.990381	0.648468	1
Dda1	8.74568	9.73333	0	1	1
Gtpbp3_j2	1.57197	1.1796	-0.41428	0.107165	0.406827
Fam125a_j1	0	0.0749047	1.79769e+308	0.178982	1
Slc27a1_j1	0.206669	0	-1.79769e+308	0.0008009	0.0119976
Slc27a1_j13	4.04924	3.77336	-0.101804	0.576052	0.828686
Jak3_j7	0.099978	0.372776	1.89863	6.94E-05	0.0015737
Jak3_j13	0.0500383	0	-1.79769e+308	0.0339895	1
Zfp617_j5	3.75017	3.5957	0	1	1
Fam32a_j1	2.74852	2.23516	-0.298274	0.117331	0.426071
Klf2	1.00074	1.55421	0.635109	0.0296488	0.184356
XLOC_032386	0.0437667	0.0626131	0.516632	0.803941	1
Sin3b	15.1648	15.3789	0.0202259	0.882121	0.962591
Sin3b	9.09121	10.5545	0.215317	0.04004	0.223971
Hmgxb4_j3	0	0.14615	0	1	1
Hmgxb4	0.717707	0.836182	0	1	1
XLOC_032389	0.125247	0.123297	0	1	1
Tom1_j3	0	0.0572915	1.79769e+308	0.104082	1
Tom1_j8	0.0685936	0	-1.79769e+308	0.0361308	1
Tom1_j13	0.0778631	0.0338902	-1.20007	0.449722	1
Mcm5	0.223678	0.0743845	-1.58835	0.0788077	0.340449
Mcm5_j3	1.52042	1.77535	0.223639	0.559731	0.820875
XLOC_032393	0.265414	0.173309	-0.614897	0.612679	0.847359
Nr3c2	1.16734	1.19724	0	1	1
Prmt10_j3	0.282582	0.150323	0	1	1
Ttc29_j5	0.301915	0.145413	-1.05398	0.0584199	0.283823
Slc10a7	2.62381	2.48334	0	1	1
Slc10a7_j3	0.158312	0.409049	0	1	1
Otud4_j2	0.474152	0.36077	0	1	1
Rnf150	1.71077	1.78389	0.0603871	0.678859	0.879317
Tbc1d9	7.58151	7.37841	-0.0391753	0.723552	0.901531
Tbc1d9_j4	15.1349	24.9213	0.719498	1.15E-14	2.18E-12
Clgn	4.59166	3.31239	0	1	1
Dnajb1_j1	0.789694	0.915401	0.21311	0.439196	0.748796
Gipc1_j1	1.24226	1.94232	0	1	1

Ptger1_j2	0.462231	0.559035	0	1	1
Ptger1_j1	0.138683	0.124855	0	1	1
Ddx39_j1	1.91532	1.9539	0.0287765	0.912984	0.972688
Prkaca	38.4932	31.8138	0	1	1
Palm3_j4	1.22518	6.89747	0	1	1
Palm3_j5	0.0868077	0.16478	0	1	1
Rfx1_j5	0.58243	0.677083	0.217248	0.400323	0.723811
4930432K21Rik_j3	0.0923423	0.115296	0.320279	0.71718	1
Cacna1a_j5	10.2884	9.33661	0	1	1
Cacna1a_j12	1.28666	1.62358	0	1	1
Trmt1	12.5509	14.2124	0.179366	0.135657	0.458263
Trmt1	4.33771	4.42166	0.0276561	0.874532	0.960123
Lyl1_j2	0.0473099	0.232171	2.29498	0.0005495	0.0088307
Lyl1_j6	0	0.109426	1.79769e+308	0.0026432	1
Gadd45gip1_j1	5.0593	4.79509	-0.0773815	0.5739	0.827829
Syce2_j1	0.284958	0.261195	0	1	1
Dnase2a_j2	5.54635	5.3045	0	1	1
Prdx2_j2	17.0619	18.3648	0	1	1
Hook2_j7	0.389245	0.121954	-1.67434	0.0227304	0.153944
Hook2_j6	0.216554	0.532806	1.29888	0.0068224	0.0645405
Hook2_j8	0.542943	0.561424	0.0482878	0.935551	0.980308
Hook2_j9	0.769163	1.08541	0.496875	0.228351	0.575412
2310036O22Rik_j1	3.80037	5.36697	0.49797	0.0321752	0.194538
Tnpo2_j7	0.68147	1.05694	0.633168	0.0167478	0.124482
Fbxw9	8.93309	9.8976	0.14792	0.229221	0.576313
BC056474_j1	2.9228	3.30053	0.175347	0.380716	0.711564
Man2b1	7.23861	6.6475	-0.1229	0.351004	0.688205
Man2b1_j6	0.323579	0.743082	1.1994	0.0083211	0.0747414
Gpt2_j4	1.78076	2.12992	0	1	1
Lonp2_j1	2.41991	2.12553	-0.187132	0.254374	0.602713
Gm2694_j3	0.618912	1.37885	1.15566	0.0444605	0.240553
Papd5_j1	0.000204764	0.384881	0	1	1
Cyld_j3	0.558596	0.454698	0	1	1
XLOC_032460	0.0906306	0.0227651	-1.99317	0.236288	1
Chd9_j1	4.67568	7.70546	0.720706	0.0519828	0.264551
Fto_j2	1.74981	1.54132	0	1	1
Lpcat2_j2	0.0934114	0.0907753	-0.0412984	0.967159	1
Lpcat2_j4	0.343216	0.410957	0.259871	0.783662	0.9271
Gnao1_j2	91.2334	83.3521	0	1	1
Gnao1_j1	84.2969	75.6243	0	1	1
Mt2	2.94934	3.35458	0.185737	0.598362	0.840761
Nup93_j8	3.49875	4.5243	0	1	1
Slc12a3_j6	0.338952	0.208012	0	1	1
Slc12a3_j5	0.456014	0.582938	0	1	1
Nlrc5_j8	0.0608622	0.013801	-2.14077	0.399044	1
Nlrc5_j11	0	0.0670566	1.79769e+308	0.0662686	1
Nlrc5_j14	0.511015	0.234912	-1.12124	0.0365831	0.211473

Nlrc5_j16	0.30747	0.111814	-1.45935	0.173587	0.511473
Polr2c_j3	0.340861	0.361909	0.0864455	0.85495	0.954077
Polr2c_j4	0.453566	0.24501	-0.88847	0.156909	0.490727
Gpr56_j4	0.969468	0.0413786	0	1	1
Mmp15_j1	3.5332	3.45594	0	1	1
Ccdc113	0.123965	0.183438	0.565356	0.401159	0.724522
XLOC_032497	0.0664821	1.38E-05	-12.2355	0.995253	1
XLOC_032497	0.0618935	0.0822055	0.409447	0.792731	1
Ndr4_j6	357.617	298.546	0	1	1
Setd6_j1	1.12053	1.59783	0	1	1
4930513N10Rik_j1	0.0541397	0.117273	0	1	1
XLOC_032505	0.0791826	0.00391494	-4.33812	0.514069	1
Bean1_j6	0	0.0477881	0	1	1
Bean1_j5	0.383146	0.390875	0	1	1
Cmtm3_j1	0.0337886	0.276075	3.03045	0.0103168	0.0875526
Car7_j5	0.00689895	0.202693	4.87678	0.190775	0.533074
Ces4a_j1	0.0885587	0.0353682	-1.32418	0.372324	1
Cbfb_j1	0.052813	0.315102	0	1	1
Cbfb_j5	0.0454442	0.0722782	0	1	1
Cbfb	2.6118	5.15098	0	1	1
Cbfb_j8	0.057165	0.132363	0	1	1
Fbxl8	2.12753	2.03816	0	1	1
Hsf4_j2	23.2263	22.7956	0	1	1
Nol3_j2	0	1.05599	0	1	1
Elmo3_j1	0.0609582	0.0568317	-0.101124	0.912953	1
Slc9a5	0.385205	0.310528	-0.310905	0.414768	0.73287
Slc9a5_j7	0.116366	0 -1.79769e+308		0.0041871	1
Ctcf_j2	2.54419	2.88998	0	1	1
Rltpr_j5	17.5469	19.4957	0	1	1
Rltpr_j7	16.6345	17.6317	0	1	1
XLOC_032528	0.104098	0.115866	0.15451	0.826511	1
Nutf2_j3	0.0895256	0.231952	1.37345	0.0164632	0.122854
Nutf2_j4	0.492676	0.475679	-0.0506523	0.935996	0.980349
Nutf2_j6	0.229304	0.175688	-0.384248	0.438135	0.747937
Nutf2_j8	0.0610327	0 -1.79769e+308		0.006844	1
Ecd4_j9	0.485879	0.327645	-0.568466	0.105957	0.404152
Ecd4_j11	2.76466	3.38523	0.292151	0.0905506	0.3696
Lpla2	0.924412	2.3755	1.36162	1.82E-07	9.08E-06
Zfp90	0.670409	0.761341	0	1	1
Cdh1	1.49088	1.11542	0	1	1
Has3_j2	0.0866712	0.122233	0.496007	0.537269	1
Cirh1a_j1	4.22763	4.44471	0	1	1
Nip7	8.11433	9.42864	0.216577	0.165027	0.501347
Nfat5_j11	0.435771	1.04192	1.2576	1.37E-09	1.13E-07
Pmfbp1_j3	0.106866	0 -1.79769e+308		0.0797101	1
XLOC_032552	0.314775	0.173366	-0.860498	0.0953265	0.381208
Txn14b	2.06361	2.08735	0	1	1

Zfp821_j2	5.23651	6.62198	0	1	1
Zfp821	1.78522	2.63272	0	1	1
Ap1g1_j3	0	0.131602	0	1	1
Phlpp2_j2	0.149646	0.0591772	0	1	1
Zfp612_j3	1.09782	0.816988	0	1	1
Mtss1l_j1	0.138962	0.284816	0	1	1
Mtss1l	9.35173	7.82663	0	1	1
Aars_j3	31.8893	37.0609	0	1	1
mKIAA1990_j2	0.400252	0.29822	0	1	1
mKIAA1990_j1	2.11203	1.63214	0	1	1
Znrf1	1.6316	1.84742	0	1	1
Znrf1_j2	3.18961	4.73477	0	1	1
Zfp1_j1	0.628353	0.661938	0.0751223	0.825075	0.943645
Cntnap4_j3	0.285753	0 -1.79769e+308		2.57E-09	1.99E-07
Nudt7_j1	9.35725	9.61943	0.0398665	0.818783	0.94129
Nudt7_j2	2.05962	2.59134	0.331316	0.379118	0.710597
Vat1l_j3	43.3589	46.0104	0	1	1
Vat1l_j4	0.119927	0.259789	0	1	1
Wwox	0.597277	0.342503	-0.802283	0.454945	0.758773
Dynlrb2	0.337279	0.275216	-0.293379	0.690501	0.885335
Bcmo1_j2	0.0522401	0 -1.79769e+308		0.105409	1
Bcmo1_j5	0.0742356	0.0531444	-0.482193	0.848694	1
4933407C03Rik_j1	21.8937	21.0891	0	1	1
4933407C03Rik_j7	0.408235	0.178022	0	1	1
Klhl36_j3	0.0575771	0.0560524	-0.038719	0.961794	1
6430548M08Rik	40.918	39.0068	-0.0690105	0.4242	0.739564
Gse1_j2	0.438048	0.232676	-0.912767	0.0065548	0.0625462
XLOC_032601	0.122356	0.194266	0.666953	0.340538	0.680526
Cox4i1_j3	8.99812	9.20305	0	1	1
Foxf1a	0.185639	0.23416	0.334992	0.520076	0.797685
Map1lc3b_j2	1.38379	1.52836	0	1	1
XLOC_032610	0.102437	0.060679	-0.755465	0.645308	1
Jph3_j2	3.9218	3.78061	0	1	1
Banp	0.609121	0.640746	0.0730234	0.783101	0.926859
Banp_j11	0.803842	1.57787	0.972991	1.49E-06	5.84E-05
Zfpm1_j7	4.84E-05	0.132484	11.4181	0.912952	1
Zc3h18_j3	0.175168	0.349173	0.995207	0.0610412	0.291472
Acsf3_j1	1.15808	1.21854	0	1	1
Cdh15_j1	0.333159	0.262469	-0.344065	0.720892	0.900127
Spg7	2.46717	2.66516	0	1	1
4732415M23Rik_j2	3.80618	4.55732	0.259842	0.0173222	0.127449
Cdk10_j3	6.33189	7.68725	0	1	1
Tcf25_j2	14.6417	15.9081	0	1	1
Tcf25_j1	12.9265	12.5273	0	1	1
Tcf25_j5	15.4816	21.0691	0	1	1
Def8_j1	3.20366	2.17497	-0.558723	0.0042081	0.0444811
Rab4a	6.66704	5.41757	0	1	1

mKIAA0133_j4	1.86938	1.52052	0	1	1
Cog2_j2	5.76446	5.7751	0	1	1
Arv1_j3	0.373902	0.621077	0	1	1
Arv1_j8	0.991869	1.13451	0	1	1
Arv1_j6	0.256539	0.291955	0	1	1
Gm505_j3	0.888474	0.453172	-0.971272	0.004746	0.0487697
Disc1_j2	0.0857638	0.0689213	-0.31542	0.752503	1
Ntpcr_j1	3.43126	3.45877	0	1	1
Kcnk1_j3	1.35438	1.58569	0.227478	0.642412	0.862006
XLOC_032660	0.207676	0.110868	-0.905496	0.388218	0.715758
Nrp1_j3	4.76815	3.69327	0	1	1
Itgb1_j5	86.825	113.075	0.381094	1.01E-05	0.000313
Insr_j5	3.00172	3.31843	0.144712	0.289974	0.63736
Pex11c_j3	1.06052	0.731369	-0.536098	0.315251	0.659219
Xab2_j1	0.36845	0.210933	-0.804687	0.0643463	0.301233
Elavl1	4.75877	3.94469	0	1	1
XLOC_032680	0.181835	0.196126	0.109151	0.908131	0.971038
Col4a1_j1	5.97149	8.27378	0	1	1
Ankrd10_j2	1.6358	2.10716	0	1	1
Ankrd10_j1	5.22148	5.34444	0	1	1
Tubgcp3_j1	0.447979	0.664489	0	1	1
Pcid2_j1	7.04511	6.41283	0	1	1
Grtp1_j1	0.423991	0.171088	0	1	1
Dcun1d2_j1	9.04615	7.63017	0	1	1
Csmd1_j5	0.0984863	0.236317	1.26273	0.0002744	0.0049697
Csmd1_j4	0.0209943	0.0707421	1.75257	0.0095675	1
Slc25a15_j6	0.105112	0	0	1	1
Vdac3_j4	0.000262462	0.262485	0	1	1
Polb_j2	5.21825	6.17377	0.242584	0.262887	0.611724
Ikbkb	3.3656	3.22281	0	1	1
Ap3m2_j1	0.000432688	0.333909	0	1	1
Ap3m2	3.20657	3.66429	0	1	1
Agpat6_j3	1.74592	2.45288	0.490492	0.223216	0.570235
Agpat6_j2	0.672572	0.508433	-0.403632	0.352324	0.68925
Golga7_j1	17.3137	19.4104	0	1	1
Golga7_j2	17.7857	20.3267	0	1	1
Adam5_j3	0.135695	0 -1.79769e+308	0.0022063		1
Htra4	1.32871	0.839083	0	1	1
Plekha2	1.03226	1.26912	0	1	1
Tacc1_j8	0.433034	0.735953	0	1	1
Tacc1	1.07531	0.962715	0	1	1
C330021F23Rik	1.73413	1.98288	0.193386	0.653373	0.867469
Letm2_j2	0.658655	0.600616	0	1	1
Letm2_j4	0.660355	0.746589	0	1	1
Letm2_j6	1.55094	1.35363	0	1	1
Ddhd2_j3	2.30031	1.88224	-0.289379	0.0511771	0.262111
Ash2l	4.59722	5.41813	0.237034	0.034314	0.202972

4930444A02Rik_j2	1.31645	1.16601	-0.175074	0.436262	0.746935
Hook3_j2	1.34229	1.44266	0	1	1
Hook3	2.53981	2.48946	0	1	1
XLOC_032748	0.0528573	0.00381018	-3.79417	0.690522	1
Brf2_j1	0.345286	0.0594556	-2.53791	0.0013847	0.0185724
Chrna6_j2	3.28173	3.42614	0	1	1
XLOC_032755	0.134733	0.0677447	-0.991923	0.55341	1
XLOC_032755	0.0361306	0.174104	2.26866	0.350167	0.687731
Nrg1_j2	1.80244	0.488017	0	1	1
Nrg1	4.1171	4.93533	0	1	1
Nrg1_j3	0.991879	1.06693	0	1	1
Wrn_j2	0.479439	0.69851	0	1	1
Wrn_j4	0.100847	0.118421	0	1	1
Dctn6_j3	32.7751	38.2558	0	1	1
Leprot1_j1	19.0206	3.13987	0	1	1
B930018H19_j5	0	0.0522132	1.79769e+308	0.0597572	1
Tnks_j3	0.0046092	0.722526	0	1	1
Lonrf1_j2	9.00365	10.0103	0.15291	0.173633	0.511484
Dlc1_j2	0.338716	0.0767503	0	1	1
Mtus1_j2	6.33359	6.73141	0	1	1
Mtus1_j3	3.60464	6.04493	0	1	1
Mtus1_j4	4.42661	4.21675	0	1	1
Fgl1_j1	0.213915	0.163886	-0.384348	0.689815	0.885115
Asah1_j3	0.601572	0.660778	0	1	1
Fam149a_j1	1.91112	1.66367	-0.200049	0.403926	0.72656
Tlr3_j3	0.352266	0.59025	0.74466	0.0508149	0.261088
Tlr3_j4	0.162193	0.11535	-0.491695	0.468022	0.766788
1700029J07Rik_j3	0.187327	0.318585	0.766124	0.367905	0.701229
Snx25_j1	7.76641	8.51845	0	1	1
Ccdc111_j1	0.205912	8.07E-05	-11.3166	0.909118	0.971253
BC088983	0.118732	0	-1.79769e+308	0.0023453	1
BC088983_j5	0.308247	0.261321	-0.238265	0.731317	0.904922
Clcn3_j2	0	0.247354	0	1	1
Clcn3	12.494	11.4006	0	1	1
Palld_j2	0.151231	0.0489935	0	1	1
Sc4mol_j2	1.81009	12.217	0	1	1
Klhl2_j1	2.18055	2.12912	-0.0344306	0.883805	0.963164
Csgalnact1_j3	0.598373	0.318454	0	1	1
Slc18a1_j2	0.146971	0.0612427	-1.26292	0.252491	0.6005
Lzts1_j4	1.39555	2.503	0	1	1
AK034302_j1	0.059458	0.235023	0	1	1
XLOC_032832	0.159387	0.321326	1.0115	0.363001	0.697185
XLOC_032832	0.292673	0.374385	0.355232	0.537763	0.80777
Zfp868	4.51143	3.81766	-0.240896	0.135837	0.458585
Zfp868_j1	1.1221	1.70571	0.604168	0.0573791	0.280663
Zfp869	0.45549	0.491268	0.109093	0.737626	0.907523
Zfp866_j1	0.38551	0.568505	0.560404	0.211676	0.556532

Zfp963	1.10468	0.714771	-0.62808	0.0645932	0.302098
Zfp866_j3	0.238168	0.165074	-0.528862	0.202617	0.546273
Zfp866_j4	0.115284	0.199419	0.790614	0.0832593	0.351738
Gatad2a	4.99432	4.43062	0	1	1
Mau2_j2	0.511107	0.567275	0	1	1
Armc6_j1	4.35178	8.6101	0	1	1
Armc6_j2	10.3927	9.02345	0	1	1
Crtc1_j5	0.405473	1.02697	0	1	1
Crtc1_j4	0.301533	0.255849	0	1	1
Klhl26	0.0939857	0	0	1	1
Ssbp4_j6	1.56621	0.789594	0	1	1
Gdf15	0.148776	0.336371	1.17691	0.052361	0.265698
Pik3r2_j6	13.3313	14.3756	0.108805	0.335019	0.675709
Mast3_j5	1.15806	0.910178	-0.347486	0.1399	0.465344
Mast3_j6	2.08676	2.24261	0.103919	0.530344	0.803051
Arrdc2	1.52683	1.45998	0	1	1
Kcnn1_j2	4.17012	3.80826	0	1	1
Kcnn1_j3	0.637118	0.856263	0	1	1
Gm15427_j4	0.504222	0.769338	0.609558	0.118123	0.427862
Ushbp1	1.23745	1.19457	-0.0508757	0.841634	0.949957
Ano8_j3	16.5182	17.4365	0	1	1
Ano8_j7	6.32446	5.91827	0	1	1
Unc13a_j7	1.11465	1.62702	0	1	1
B3gnt3_j3	0.0580516	0.011134	-2.38237	0.4012	1
Fcho1_j7	0.361914	0.113777	0	1	1
Eps15l1_j3	3.13416	2.9511	0	1	1
Eps15l1_j10	1.91479	1.62796	0	1	1
Eps15l1_j5	0.949788	0.670521	0	1	1
Eps15l1_j4	3.4984	3.46673	0	1	1
Calr3	1.18342	0.785217	-0.591796	0.0963965	0.383422
Calr3_j2	1.46468	0.893942	-0.71233	0.034041	0.202044
9130011J15Rik_j1	0.350793	0.306102	-0.196606	0.67728	0.878715
Arhgap10_j2	0.408302	0.807243	0.983365	0.0930681	0.37533
Arhgap10_j1	0.0603638	0	-1.79769e+308	0.0246382	1
Rbmxrt_j1	7.16485	10.4837	0	1	1
Lsm6_j5	0.326238	0.204562	-0.673385	0.12676	0.443457
1700011L22Rik_j4	0.079423	0.0472956	-0.74785	0.568737	1
Mmaa_j15	1.61771	1.56003	0	1	1
Mmaa_j14	2.61031	2.96173	0	1	1
Smad1_j2	1.58211	5.67061	0	1	1
Smad1_j4	0.130526	0.672679	0	1	1
Abce1_j2	19.3982	23.0186	0	1	1
Smarca5_j5	1.45272	2.23898	0.624084	0.031307	0.191005
Gab1	1.11051	1.20419	0	1	1
Usp38_j1	0.395392	0.705344	0	1	1
Il15_j4	0	0.0523852	1.79769e+308	0.173833	1
Zfp330_j2	0.392367	0.316621	-0.309446	0.59931	0.841178

Cd97_j4	0.177791	0.15101	-0.235541	0.628817	0.855673
Nanos3_j1	0.0613566	0.393321	2.68042	0.145755	0.473736
Zswim4_j2	4.09608	3.91374	0	1	1
Mri1_j2	6.97452	7.44092	0	1	1
Mri1_j4	0.413878	0.265362	0	1	1
Nfix_j1	0.133842	0.134261	0.0045111	0.993726	1
Rad23a	25.5498	25.3204	-0.0130142	0.891504	0.965687
Rad23a	0.272568	0.0343876	-2.98666	0.0095328	0.0826555
Mast1_j4	2.03136	2.44342	0	1	1
Gm5741	0.0495798	0 -1.79769e+308		0.0452532	1
Wdr83	1.72987	1.83315	0.0836636	0.571558	0.826943
Zfp791_j2	0.137933	0.0783525	-0.815912	0.330228	0.672176
4921524J17Rik_j1	3.46957	3.49146	0.00907105	0.973593	0.99239
Neto2	0.622762	0.832678	0	1	1
N4bp1	4.46071	4.59066	0	1	1
Zfp423_j6	1.26276	0.711531	0	1	1
Snx20	0.179241	0.416597	1.21675	0.130994	0.450516
Gm5356	0.985528	0.752726	-0.388772	0.361109	0.695733
Tox3	1.84042	1.20714	0	1	1
Aktip_j1	12.0331	9.68794	0	1	1
Aktip	12.4833	10.5637	0	1	1
Rpgrip1_j5	0.338912	0.328222	-0.0462429	0.959832	0.988566
4933436C20Rik_j1	0.101411	0.0745503	-0.443922	0.734485	1
XLOC_032964	0.0130571	0.0614032	2.23348	0.56409	1
Nudt21_j1	0.000137034	0.757887	0	1	1
Fam192a_j1	3.17094	5.85994	0	1	1
Fam192a_j2	3.04474	2.38488	0	1	1
Ciapi1_j2	27.664	28.3905	0	1	1
Ccdc102a_j2	0.139525	0.319155	1.19374	0.025174	0.165035
Gtl3	0.890513	0.951248	0	1	1
Csnk2a2_j2	0.194499	0.530322	1.44711	0.0503967	0.259651
Cnot1_j1	2.26372	2.5216	0	1	1
Cnot1_j9	2.82452	2.28853	0	1	1
Cnot1_j12	0.127728	0.0407709	0	1	1
Got2_j1	1.07099	2.01646	0	1	1
Cdh8	0.368284	0.472256	0	1	1
Cdh8	0.807045	0.833183	0	1	1
XLOC_032992	0.20083	0 -1.79769e+308		0.0383676	0.217904
Tk2_j1	0.954428	1.01255	0	1	1
Tk2	7.23911	7.72134	0	1	1
Dync1li2_j1	0	0.0723063	0	1	1
Nae1_j1	17.5374	20.3409	0.213945	0.209049	0.553253
Rrad	0.195483	0.30361	0.635175	0.252463	0.600491
Tradd_j2	1.24173	1.55233	0	1	1
Tradd_j4	2.0312	2.80477	0	1	1
Tradd	2.48218	4.24754	0	1	1
Lrrc29_j4	0.106532	0.180434	0.76018	0.406957	0.727764

Lrrc29_j5	0.118973		0 -1.79769e+308	0.008673		1
Kctd19_j4	0.207827	0.0689521		-1.59172	0.10101	0.393603
Tppp3_j2	7.76438	10.5766		0.445935	0.0147917	0.11376
Atp6v0d1_j2	105.453	112.466		0	1	1
Atp6v0d1	41.3055	40.146		0	1	1
Ranbp10_j1	4.8902	3.91227		0	1	1
Cenpt_j1	3.3546	4.06834		0.278297	0.0972746	0.385499
Psmb10_j8	0.113804	0.0991475		-0.198898	0.862	1
Slc12a4_j1	0.911556	1.86374		1.0318	3.08E-07	1.46E-05
Chtf8_j1	1.30595	2.17626		0	1	1
Terf2	3.07091	4.17503		0	1	1
Terf2_j4	0.976234	0.896514		0	1	1
Nob1_j2	1.34668	1.8092		0.425953	0.312157	0.656585
AK042944_j1	0.0910953	0.000474016		-7.5863	0.765735	1
AK042944_j3	0.30902	0.173196		-0.835297	0.290311	0.637693
2400003C14Rik_j2	22.3758	26.3558		0	1	1
Ddx19a	4.89893	5.546		0	1	1
Mrc1_j8	0.68251	0.48859		-0.482226	0.51263	0.792284
Mrc1_j9	0.10605	0.301478		1.50731	0.164506	0.500528
Mrc1_j4	0.20643	0.26242		0.346224	0.528993	0.802307
AK053982	0.56191	0.467196		0	1	1
Rfwd3_j1	0.614567	0.748559		0.284547	0.399446	0.723014
Mikl_j5	0.219291	0.0777591		-1.49576	0.13921	0.463926
Mikl_j6	0.280501	0.410859		0.550637	0.27092	0.620012
Bcar1_j1	0	0.111715		0	1	1
Tmem231_j2	2.70676	2.70907		0	1	1
Gcsh_j1	0.781637	1.44665		0	1	1
Gcsh_j4	1.20435	1.93529		0	1	1
Pkd1l2_j17	0	0.054242	1.79769e+308		0.0965713	1
Pkd1l2_j22	0.300179	0.251623		-0.25456	0.76152	0.917949
Mphosph6_j1	3.21973	3.12556		-0.0428256	0.884113	0.963322
Mphosph6	2.0316	2.28655		0.170555	0.551174	0.815748
Taf1c_j1	0.895285	0.854507		-0.0672553	0.821681	0.942532
Kcng4_j3	0.0678471		0 -1.79769e+308		0.007946	1
Kcng4_j4	3.15972	1.95984		-0.689065	0.0002088	0.0039788
Zdhhc7_j6	3.71142	5.44754		0	1	1
AK039624_j3	0	0.363501		0	1	1
Mthfsd_j1	0.0576419	0		0	1	1
Zcchc14_j2	0.108228	0.191588		0	1	1
Zcchc14_j4	0.149685	0		0	1	1
Klhdc4_j1	1.08558	2.72508		1.32783	3.59E-05	0.0008992
Klhdc4_j4	0.887431	0.727035		-0.287609	0.448028	0.754671
Fam38a_j10	0.0574585	0.115436		1.0065	0.391461	1
Cbfa2t3_j2	0.242006	0.259269		0.0994093	0.836413	0.947564
AK032654_j3	0.194166	0.142641		-0.444902	0.486708	0.777764
AK032654_j2	0.175659	0.198342		0.175215	0.79298	0.931024
Ankrd11_j1	8.118	6.42461		0	1	1

Fanca_j5	0.260298	0.398451	0.614238	0.0733086	0.326174
XLOC_033119	0.170864	0.226015	0	1	1
XLOC_033119	0.314815	0.141076	0	1	1
XLOC_033119	0.113808	0.0848236	0	1	1
XLOC_033123	0	0.060049	1.79769e+308	0.205814	1
1700054N08Rik_j4	0.698836	0.73815	0	1	1
1700054N08Rik	0.16185	0.138819	0	1	1
Acta1_j1	0.643163	1.21761	0.920792	0.0150073	0.115008
Taf5l	1.57414	1.48186	0	1	1
Agt_j3	1.15387	1.286	0	1	1
Ttc13_j3	0.97758	1.11667	0	1	1
XLOC_033134	0.00939437	0.0805719	3.10041	0.481328	1
XLOC_033140	0	0.0483052	1.79769e+308	0.152737	1
Tomm20_j1	16.4934	16.0796	0	1	1
Rbm34	1.72357	1.53082	0	1	1
Zfp358_j1	8.05564	8.23816	0	1	1
Pnpla6_j7	11.5672	11.2866	0	1	1
2310057J16Rik_j8	0.21449	0.0977393	0	1	1
2900053A13Rik_j1	0.210558	0.310743	0	1	1
2900053A13Rik_j4	0.345951	0.169529	0	1	1
Map2k7_j4	0.325048	0.200817	-0.694769	0.10754	0.407699
Ccl25_j5	0.450225	0.576523	0.356733	0.551587	0.815853
Ccl25_j3	0.268203	0.0549511	-2.28711	0.112034	0.416581
Ccl25_j4	0.219425	0.350959	0.67757	0.390121	0.717194
Ccl25_j1	0.413416	0.395897	-0.0624721	0.926057	0.977045
Lass4_j5	1.53979	1.72772	0	1	1
Lass4_j4	0.0855441	0.0857105	0	1	1
Zfp958_j1	1.14636	0.00112477	0	1	1
Zfp958	1.74005	2.29903	0	1	1
Col4a2_j2	2.32288	3.37817	0	1	1
4931415C17Rik_j1	0.117718	0.0023684	0	1	1
Mcf2l_j1	2.33351	2.67349	0.196221	0.232114	0.579168
Mcf2l_j6	13.4678	13.9954	0.0554486	0.64593	0.863424
Lamp1_j1	4.86456	7.75263	0	1	1
Tmco3	7.74968	8.06579	0	1	1
Tfdp1_j5	6.28505	7.37976	0.23165	0.0829694	0.350926
Fam70b	0.156855	0.266523	0.764834	0.206641	0.551278
Zfp828	5.29682	4.82422	0	1	1
Arhgef10	1.21708	1.39043	0	1	1
Arhgef10_j5	0.0941484	0.0837755	0	1	1
Arhgef10_j8	0.0914351	0	0	1	1
Kbtbd11_j4	8.73126	4.4847	0	1	1
Myom2_j2	0.103807	0.0476935	-1.12204	0.463066	1
XLOC_032189	0.124936	0.0740218	-0.755173	0.489485	1
Thsd1_j1	0.0566526	0.0345427	-0.713762	0.465226	1
Thsd1	0.314066	0.373858	0.251422	0.482754	0.77583
Slc20a2_j2	0.375754	0	-1.79769e+308	1.24E-08	8.56E-07

Slc20a2_j5	1.59566	1.68458	0.0782376	0.754949	0.915506
Ank1	3.91598	4.40471	0	1	1
Ank1_j6	0.0573066	0	0	1	1
Ank1_j4	7.59327	6.03141	0	1	1
Ank1_j9	2.65271	2.11064	0	1	1
Zmat4_j2	0.205119	0.190015	0	1	1
Zmat4_j5	0.252172	0	0	1	1
Fgfr1	1.60979	0.495497	0	1	1
Fgfr1_j5	0.746409	0.144567	0	1	1
Fgfr1_j7	11.6212	7.98762	0	1	1
Kcnu1_j1	0.824781	0.620867	-0.409728	0.422749	0.738516
Rnf170_j1	0.259357	0.173754	-0.577893	0.729306	0.904065
Rnf170_j2	0.170033	0.148138	-0.198872	0.844858	0.950919
Thap1_j3	0.228076	0 -1.79769e+308		0.0005063	0.0082262
Dusp26_j2	47.5261	65.6068	0	1	1
Fut10	0.317347	0.207519	-0.612816	0.213393	0.558539
Fut10	0.302619	0.258575	-0.226921	0.672892	0.876557
XLOC_032243	0.182422	0.119077	-0.615384	0.349192	0.687028
XLOC_032243	0.161934	0.106592	-0.603306	0.518366	0.796452
Purg_j1	5.19521	5.91413	0.186983	0.238735	0.585819
XLOC_032248	0.149379	0.0387419	-1.94701	0.135632	0.458263
Dusp4_j2	1.08653	0.647392	0	1	1
XLOC_032263	0.2053	0.112001	-0.874221	0.129916	0.448911
Tusc3_j6	5.49045	4.17284	0	1	1
Tusc3	17.7048	21.0499	0	1	1
Efha2_j2	0.140225	0.134006	-0.0654445	0.937934	0.980993
Sorbs2_j12	0.300455	0.213134	0	1	1
Ufsp2_j4	1.30016	0 -1.79769e+308		1.47E-11	1.73E-09
4933411K20Rik_j1	3.78774	3.05562	0	1	1
Acsl1_j4	1.96523	3.79494	0	1	1
Dctd_j2	0.09648	0.227444	1.23721	0.155132	0.488311
XLOC_032293	0.166123	0.0809252	-1.03759	0.217621	0.563618
Aga_j1	0.493864	0 -1.79769e+308		0.000231	0.00432
AK141659_j1	0.207854	0.294568	0.503031	0.603573	0.843413
Hmgb2_j1	0.220068	0.25566	0.216277	0.783915	0.927222
AW046200_j3	0.0608801	0.043627	-0.480749	0.775754	1
Aadat_j1	0.0535345	0 -1.79769e+308		0.097828	1
XLOC_032307	0.197351	0.0650405	-1.60135	0.281879	0.630425
XLOC_032307	0.252811	0.0664668	-1.92736	0.130231	0.449278
Nek1_j6	9.08591	8.61482	0	1	1
Ddx60_j5	0.0489002	0.152803	1.64376	0.0126841	1
Ddx60_j7	0.0772039	0.0369665	-1.06245	0.398348	1
Sh2d4a_j2	0.60353	0.523093	-0.206358	0.562733	0.822297
Ints10_j9	1.06774	0.4035	0	1	1
Zfp930_j1	0.554956	0.130194	0	1	1
Gmip_j4	0.395667	0.358074	-0.144029	0.740131	0.908917
Gmip_j5	0.311469	0.081343	-1.937	0.0341034	0.202242

Gmip_j7	1.86546	2.40689	0.367637	0.0566079	0.27835
Sugp1_j1	10.0167	9.68477	0	1	1
Sugp1_j2	1.96407	1.66569	0	1	1
Sugp1_j3	1.66987	1.98698	0	1	1
Tmem161a	0.49963	0.482218	-0.0511747	0.93653	0.980501
Sugp2_j2	1.72468	1.30473	0	1	1
Comp_j1	3.01991	2.86672	0	1	1
Crlf1_j3	0.019864	0.341223	4.10249	0.0384289	0.218074
Fkbp8_j2	33.7172	45.36	0	1	1
Eil_j1	0.35616	0.218163	-0.707121	0.220625	0.567463
Isyna1	0.884596	0.855558	-0.0481529	0.8924	0.965921
Lsm4_j1	8.1783	9.26204	0.179529	0.484125	0.776298
Pde4c_j4	0.398399	0.406152	0.0278049	0.935213	0.980233
Pde4c_j3	0.17029	0.0346338	-2.29774	0.0472544	0.249533
Pde4c_j15	0.284264	0.186996	-0.604225	0.243783	0.591081
Pde4c_j17	0.0914888	0.384986	2.07314	0.0002041	0.0039024
Pde4c_j23	1.5215	1.31985	-0.205128	0.487498	0.778377
Mtap1s_j1	0.279528	0 -1.79769e+308		2.19E-06	8.26E-05
Myo9b_j3	1.35815	1.91627	0.496656	0.0005587	0.0089443
Myo9b_j16	1.29358	1.43253	0.147199	0.356307	0.692255
Myo9b_j15	0.424114	0.748214	0.819	0.000254	0.0046803
Use1_j3	8.42077	8.86641	0.0743981	0.713511	0.896209
Gtpbp3_j4	1.37719	1.22896	-0.164294	0.35227	0.68925
Fam125a_j4	7.01357	6.16408	-0.186264	0.385929	0.714331
Slc27a1_j2	1.61968	0.986942	-0.714674	0.0368371	0.212311
Slc27a1_j11	1.24507	0.733117	-0.764108	0.0088891	0.0784217
Slc27a1_j12	0.447124	0.389895	-0.197587	0.673851	0.877026
Slc27a1_j16	1.75597	1.83735	0.0653574	0.81272	0.938836
Glt25d1	9.63632	10.0859	0.065787	0.490746	0.780087
Jak3_j5	0.450911	0.405099	-0.15457	0.667927	0.87439
Jak3_j9	0.687774	0.695536	0.0161898	0.949587	0.985371
Jak3_j15	0.380188	0.25845	-0.556831	0.26908	0.618001
Zfp617_j3	0.0680831	0.10936	0	1	1
Tpm4_j2	0.654419	0.371471	-0.816963	0.0059054	0.0578066
Nwd1_j4	0.081735	0.0770472	-0.0852109	0.871032	1
Nwd1_j5	0.173664	0.0414473	-2.06695	0.0099369	0.0853084
Sin3b_j2	0.0411672	0.0500602	0.282167	0.811737	1
Tom1_j5	0.298752	0.235286	-0.34453	0.691436	0.885712
Nr3c2_j3	0.460058	0.00181653	0	1	1
Nr3c2_j4	1.89731	1.57172	0	1	1
Ttc29_j1	0.0666038	0.025235	-1.40018	0.392828	1
Ttc29_j3	0.106017	0.0926097	-0.195067	0.830141	1
Zfp827_j5	0.0629598	0.0965757	0.61723	0.347894	1
AK041972	0.133345	0.130318	-0.0331197	0.970961	1
Otud4_j3	1.66541	0.987372	0	1	1
Anapc10_j1	2.14355	2.19469	0	1	1
Anapc10_j2	2.27983	2.56788	0	1	1

Anapc10	0.537944	0.29929	0	1	1
Anapc10_j3	0.652857	0.495945	0	1	1
Rnf150_j1	0.104748	0 -1.79769e+308		6.31E-07	1
Clgn_j2	2.04359	1.84152	0	1	1
Gipc1_j4	0.0955646	0	0	1	1
Ptger1	4.03904	4.39385	0	1	1
Lphn1_j2	5.75307	4.34425	0	1	1
Prkaca_j2	77.8693	72.407	0	1	1
Samd1_j1	2.69929	3.77625	0.484374	0.0416603	0.230288
Podnl1_j4	0.0681773	0 -1.79769e+308		0.0061809	1
Podnl1_j3	0.0601472	0.11129	0.887751	0.324483	1
4930432K21Rik_j2	0.0661836	0 -1.79769e+308		0.0253004	1
Cacna1a_j2	3.54537	3.63119	0	1	1
Cacna1a_j4	1.03514	1.06159	0	1	1
Cacna1a_j10	3.52857	3.90692	0	1	1
Trmt1_j1	0.699105	0 -1.79769e+308		1.37E-09	1.13E-07
Lyl1_j4	0.13258	0.00929192	-3.83475	0.375331	1
Dnase2a_j1	0.0607172	0.115059	0	1	1
Hook2_j5	0.957253	0.305048	-1.64986	0.000299	0.0053343
Tnpo2_j4	32.4611	38.3337	0.2399	0.0061936	0.0600497
XLOC_032444	0.0668883	0.0358941	-0.898007	0.574566	1
Dhps	9.91067	11.4277	0.205478	0.213749	0.558982
Man2b1_j1	0.10819	0.106196	-0.0268311	0.969919	1
Gpt2_j1	4.04935	3.72956	0	1	1
XLOC_032446	0.061742	0.0139574	-2.14522	0.254043	1
Gm2694_j2	0.0927587	0 -1.79769e+308		0.13642	1
Adcy7_j7	0.224798	0.471031	1.06719	0.0113604	0.0942269
Nod2_j3	0.0482458	0 -1.79769e+308		0.0082431	1
Nod2	0.258682	0.359403	0.474423	0.2076	0.55198
XLOC_032460	0.23018	0.161366	-0.512424	0.51751	0.795789
XLOC_032460	0.112874	0 -1.79769e+308		0.0115068	1
XLOC_032460	0.0577585	0.0494392	-0.224378	0.874798	1
Chd9_j5	0.119888	0 -1.79769e+308		5.13E-10	1
Chd9_j10	0.512017	0.148785	-1.78297	6.88E-07	3.00E-05
Chd9_j14	1.90437	1.02839	-0.888924	8.00E-08	4.43E-06
XLOC_032461	0.12664	0.112257	-0.173932	0.770992	1
Fto_j1	2.13272	4.27211	0	1	1
Fto_j3	16.3503	16.3386	0	1	1
Lpcat2	0.157846	0.00481831	-5.03385	0.230217	0.577283
Lpcat2_j1	0.0970326	0.0403501	-1.2659	0.394607	1
Ces7_j1	0.510793	0.118499	-2.10786	0.0551704	0.274103
Gnao1_j8	36.0374	34.1658	0	1	1
Nup93_j6	15.0661	17.4026	0	1	1
Slc12a3_j1	0.188995	0.32038	0	1	1
Herpud1_j1	0.0561384	0 -1.79769e+308		0.116981	1
Nlrc5_j2	0.264214	0.0792355	-1.73749	0.0005071	0.0082367
Nlrc5_j13	0.286207	0 -1.79769e+308		0.0003083	0.0054628

XLOC_032481	0.174622	0.189472	0	1	1
Ccl22	0.181032	0.104094	-0.798357	0.357579	0.693483
Polr2c_j1	0.167585	0.06649	-1.33368	0.0719562	0.322462
Gpr56_j6	0.527098	0.0082973	0	1	1
Gpr97_j3	0.152359	0.0179632	-3.08436	0.321224	0.664299
Gpr97_j6	0.0649846	0 -1.79769e+308	0.0472881		1
Gpr97_j8	0.0898772	0.116184	0.370387	0.750326	1
Katnb1_j2	0.15992	0.124284	-0.363712	0.386445	0.714571
XLOC_032497	0.108021	0 -1.79769e+308	0.0086479		1
Gins3_j2	0.469259	0.250297	-0.906746	0.15209	0.483538
Ndr4_j1	1.48483	0.958549	0	1	1
Ndr4_j9	0.0540487	0.00832233	0	1	1
Ndr4_j8	0.674052	0.396118	0	1	1
XLOC_032505	0.213113	0 -1.79769e+308	4.11E-07		1.87E-05
XLOC_032505	0.0658801	0 -1.79769e+308	0.0072268		1
XLOC_032505	0.274179	0.0709708	-1.94982	0.122374	0.435497
XLOC_032505	0.000203838	0.280209	10.4249	0.728297	0.903676
Bean1_j2	0.544562	0.526353	0	1	1
Bean1	3.28217	3.43691	0	1	1
XLOC_032507	0.146625	0.158247	0	1	1
CKLF6_j3	0.00144236	0.216867	7.23223	0.0383101	0.217704
CKLF6_j5	0.489705	0.412504	-0.247503	0.458153	0.7608
XLOC_032508	0.111899	0.147582	0.399328	0.619934	1
Cmtm3	2.85618	3.38229	0.243911	0.287254	0.635532
Pdp2_j2	0.241307	9.51E-05	-11.3087	0.792379	0.930832
Cbfb_j3	72.4762	60.2168	0	1	1
Cbfb_j9	8.3452	5.87673	0	1	1
Nol3_j1	13.9304	17.5853	0	1	1
E2f4_j1	1.67627	1.92644	0.200689	0.50176	0.785778
Elmo3_j6	0.534306	0.37479	-0.511582	0.145204	0.473001
Plekhg4_j7	0.125701	0.0170276	-2.88405	0.0220345	1
Lrrc36_j2	0.116546	0.0624412	-0.900325	0.297517	1
Rltpr_j1	0	0.179155	0	1	1
Nutf2_j7	0.0670082	0 -1.79769e+308	0.0025373		1
Edc4_j2	0.154138	0.536426	1.79916	1.70E-05	0.0004851
Edc4_j1	1.05409	0.425493	-1.30878	3.99E-05	0.0009853
Nfatc3_j1	0.29271	0.0837417	0	1	1
Nfatc3_j3	4.65132	4.61216	0	1	1
Cdh3_j1	0.188584	0 -1.79769e+308	0.0003335		0.0058306
Cdh3_j2	0.241595	0.0884357	-1.44989	0.0633394	0.298501
Cdh1_j2	0.829949	0.293527	0	1	1
Cdh1_j5	0.0949003	0.0583	0	1	1
Tmco7_j2	0.50566	0.791271	0.646004	0.0099556	0.0853736
Tmco7_j1	0.111902	0 -1.79769e+308	2.69E-05		1
Has3	0.329815	0.173146	-0.929672	0.0134221	0.106366
Sntb2_j1	0.491224	0.727449	0.566465	0.047724	0.250976
Nfat5_j10	1.9341	1.30542	-0.567144	0.000132	0.0027094

Zfhx3	0.78332	0.288266	0	1	1
XLOC_032551	0.126848	0.0574073	-1.1438	0.496857	1
XLOC_032552	0.0779988	0 -1.79769e+308		0.0579967	1
Pmfbp1_j6	0.186677	0 -1.79769e+308		1.53E-06	5.97E-05
Pmfbp1_j7	0.183191	0.118169	-0.632493	0.250451	0.598188
Zfp821	0.988814	1.22089	0	1	1
Ap1g1_j1	7.55124	7.24722	0	1	1
Zfp612_j1	0.151855	0	0	1	1
Hydin_j1	0.162035	0.0839402	-0.948876	0.286959	0.635532
mKIAA1990_j5	0.640855	0.702257	0	1	1
XLOC_032577	0.112751	0.00260252	-5.43709	0.503808	1
Cntnap4_j2	0.121335	0 -1.79769e+308		8.27E-05	1
Wwox_j3	0.137625	0.0646885	-1.08916	0.392229	0.718577
Bcmo1_j3	0.0560963	0.0145151	-1.95035	1	1
Gan_j1	7.65075	9.2308	0	1	1
4933407C03Rik_j5	0.447588	0	0	1	1
Mlycd_j1	0.361737	0.303212	-0.254616	0.455469	0.759228
Klhl36_j2	0.229098	0.0268006	-3.09563	0.0018003	0.0229889
Usp10_j1	4.30478	4.16995	0	1	1
Gse1_j9	0.0836909	0 -1.79769e+308		7.40E-05	1
Gse1_j10	0.0755838	0 -1.79769e+308		0.0002357	1
Irf8_j4	0.236115	0.0674903	-1.80674	0.0936651	0.377114
Banp_j1	2.61882	2.28872	-0.194378	0.417056	0.734202
Banp_j3	0.0870012	0.0145874	-2.57631	0.158227	1
Zfpm1_j4	0.237797	0.0923915	-1.3639	0.0167455	0.124482
Zc3h18_j1	0.353555	0.000175608	-10.9754	0.784464	0.927523
Zc3h18_j2	0.526601	0.350689	-0.586516	0.158957	0.493426
Cdt1_j1	0.142453	0 -1.79769e+308		2.46E-05	0.000654
Cdt1_j4	0.285757	0.220041	-0.37702	0.642888	0.862213
Acsf3_j2	0.586802	0.0802079	0	1	1
XLOC_032620	0.155212	0.127476	0	1	1
Rpl13_j3	0.623223	0.56127	0	1	1
Rpl13_j1	0	0.834974	0	1	1
Cdk10_j2	5.20245	4.16284	0	1	1
Zfp276_j2	0.628306	0.928559	0.563525	0.100251	0.391937
Tcf25	10.6118	12.2271	0	1	1
Tubb3_j1	1641.33	2279.94	0.474132	8.66E-05	0.0018968
XLOC_032635	0.0715073	0.0480719	-0.572896	0.63278	1
Rab4a_j3	2.18157	0.120991	0	1	1
mKIAA0133_j2	0.734225	0.934021	0	1	1
Cog2_j1	0.765202	0.62286	0	1	1
Arv1_j1	0.807722	0.883215	0	1	1
Arv1_j7	2.20681	1.88976	0	1	1
XLOC_032648	0.186438	0.108458	0	1	1
Disc1_j7	0.071144	0.0498205	-0.514002	0.731487	1
XLOC_032657	0.230049	0.131485	-0.80705	0.206284	0.550764
Slc35f3_j2	1.73262	1.0596	-0.709443	0.0074887	0.0692743

Slc35f3_j6	0.219651	0.0632255	-1.79663	0.132934	0.453791
Pard3_j6	0.249977	0	-1.79769e+308	3.03E-10	2.78E-08
XLOC_032660	0.179184	0.148612	-0.269896	0.766447	0.920335
Nrp1_j1	0.20168	0.0608406	0	1	1
Nrp1_j5	0.663052	1.34929	0	1	1
Insr_j1	0.117437	0.0378901	-1.632	0.020158	1
Xab2_j3	0.658303	0.892777	0.43955	0.260877	0.609759
Timm44_j5	0.568336	0.0459202	0	1	1
Gm7461	0.0658894	0.0392226	-0.748362	0.709785	1
Slc10a2	0.200891	0.0594166	-1.75747	0.0703112	0.318545
Efnb2_j2	1.97858	2.25533	0	1	1
XLOC_032681	0.081308	0	-1.79769e+308	0.0282204	1
Fam155a_j7	3.58262	2.84898	0	1	1
Cars2_j2	0.17545	0.658158	1.90737	0.0033315	0.037423
Ankrd10_j7	1.68855	1.09231	0	1	1
Ankrd10_j8	0.277741	0.243827	0	1	1
Adprhl1_j1	0.916489	0.880641	-0.0575645	0.867974	0.958191
Dcun1d2_j2	4.3667	4.58462	0	1	1
Rasa3_j2	0.345105	0.13481	-1.35611	0.0409272	0.227301
2610019F03Rik_j3	7.68604	6.08282	0	1	1
2610019F03Rik_j1	5.92737	6.39845	0	1	1
Csmd1_j2	0.141314	0	-1.79769e+308	8.70E-08	4.74E-06
Csmd1_j9	0.0348381	0.084598	1.27996	0.294964	1
Csmd1_j14	0.18762	0.15661	-0.260639	0.728885	0.903872
Csmd1_j15	0.263979	0.31021	0.232822	0.585445	0.833935
XLOC_032707	0.236576	0.104828	-1.17427	0.196685	0.539469
XLOC_032713	0.202137	0.110295	-0.873967	0.431524	0.743686
6820431F20Rik_j3	14.6649	11.7925	-0.314491	0.003859	0.0417966
Atp7b_j1	0.0871047	0	-1.79769e+308	0.0064864	1
Nek3_j3	0.310249	0.0531729	-2.54466	0.0404929	0.225635
Ckap2_j4	0.314705	0.0662993	-2.24693	0.0370538	0.213175
Slc25a15_j2	0.0975486	0.0321263	0	1	1
Vdac3_j10	0.167274	0.269303	0	1	1
Vdac3_j9	3.41072	3.52562	0	1	1
Vdac3_j11	4.43551	5.79857	0	1	1
Ikbkb_j3	0.815003	0.842405	0	1	1
Ikbkb	1.7217	2.17505	0	1	1
Ap3m2_j2	0.416021	0.000270577	0	1	1
Adam9_j6	0.431141	0.828603	0	1	1
Adam9_j7	5.53157	1.37497	0	1	1
Tacc1_j5	2.54783	1.70109	0	1	1
Tacc1_j6	0.949165	0.751248	0	1	1
Ddhd2_j4	3.20466	2.81895	-0.185015	0.222545	0.56956
4930444A02Rik_j1	0.419249	0.438832	0.06586	0.842598	0.950263
Hook3_j1	0.270646	0.0916961	0	1	1
Chrna6_j3	6.43886	5.43511	0	1	1
Nrg1_j6	2.43355	1.29594	0	1	1

Wrn_j3	0.106508	0.168013	0	1	1
Leprot1_j3	1.37751	0.825386	0	1	1
B930018H19_j2	0.182426	0.0177609	-3.36053	0.0325648	0.196198
Tnks_j2	15.9977	15.5525	0	1	1
Dlc1_j1	3.39206	3.89435	0	1	1
Mtus1_j6	0.611185	2.21252	0	1	1
Tlr3_j5	0.0879807	0.0682214	-0.366961	0.677548	1
Tlr3_j6	0.271046	0.166546	-0.702616	0.177503	0.516863
4930448N21Rik_j1	0.511983	0.266039	0	1	1
D030016E14Rik_j1	0.12101	0.142798	0.238848	0.693853	1
Odz3_j2	0.343135	0.0972067	-1.81965	2.53E-05	0.0006711
Odz3_j1	0.477685	0.00577653	-6.36972	1.89E-05	0.0005303
Odz3_j3	0.653017	0.538158	-0.279092	0.23101	0.57801
Wdr17_j8	2.0667	1.84011	-0.167538	0.558987	0.820325
BC088983_j3	0.0847896	0.0445663	-0.927936	0.474242	1
BC088983_j4	0.0875136	0.0173558	-2.33409	0.163406	1
Galnt7	0.133419	0.298591	1.1622	0.0209141	0.145317
Galnt16_j2	0.230366	0.109651	-1.07101	0.0888529	0.365281
Clcn3	2.66842	2.52275	0	1	1
Palld_j6	1.53392	2.25881	0	1	1
Tll1_j1	0.0927784	0 -1.79769e+308		2.81E-05	1
Npy5r	0.0875098	0 -1.79769e+308		0.0146961	1
Psd3_j4	0.0646241	0.0232635	0	1	1
Lzts1_j2	0.772104	0.733101	0	1	1
Ndufa13_j1	1.0921	0.937403	-0.220367	0.520076	0.797685
Gatad2a_j11	0.236709	0.246525	0	1	1
Ncan_j3	0.129007	0.096732	0	1	1
Slc25a42	1.59208	1.79581	0.173722	0.409711	0.729962
Upf1_j1	0.321855	0.279342	-0.204382	0.43759	0.747793
Tmem59l_j1	3.1376	5.22378	0	1	1
Pgpep1_j1	0.187852	0.124217	-0.596736	0.309663	0.654275
Pik3r2_j3	2.4536	2.83941	0.21069	0.163162	0.498477
Pik3r2_j5	0.134933	0.15114	0.163648	0.782996	1
Pik3r2_j7	0.291532	0.148566	-0.97255	0.13839	0.462556
Mast3_j3	0.248573	0.07254	-1.77682	0.0037331	0.0408592
Kcnn1_j4	1.34332	0.844035	0	1	1
Kcnn1_j5	0.134862	0.117504	0	1	1
Ccdc124	15.6621	18.837	0	1	1
Slc5a5_j2	0.106584	0.160115	0	1	1
Gm15427_j9	7.19041	8.37929	0.220755	0.373505	0.706378
Gm15427_j11	0.319945	0 -1.79769e+308		0.0112319	0.0934633
Ushbp1_j7	0.244113	0.269561	0.143065	0.780028	0.925824
Ano8_j2	0.674628	0.792791	0	1	1
Tmem221_j2	0.0779873	0.00807972	-3.27086	0.347241	1
Unc13a_j5	3.843	4.96777	0	1	1
Unc13a_j2	1.6409	1.75904	0	1	1
B3gnt3	0.145596	0.209345	0.52391	0.160183	0.49471

Eps15l1	0.247105	0.225093	0	1	1
Cherp_j1	6.54449	7.1953	0.136775	0.431014	0.743428
Cherp_j2	6.88134	6.51291	-0.079387	0.5245	0.800074
9130011J15Rik_j2	0.533112	0.0227836	-4.54837	0.0027483	0.0321689
9130011J15Rik	2.1631	2.31887	0.100319	0.530374	0.803051
Large_j3	18.4167	18.9045	0	1	1
Rbmxrt	0.746123	0.95459	0	1	1
Rbmxrt	1.86187	2.03403	0	1	1
Lsm6_j7	2.91564	2.64121	-0.142616	0.415113	0.733098
1700011L22Rik_j5	0.143549	0 -1.79769e+308		0.000814	0.012134
Gab1_j1	5.5875	5.19373	0	1	1
Il15_j1	0.117724	0.086202	-0.449618	0.703682	1
Zfp330_j5	0.298132	0.120153	-1.31108	0.119001	0.42917
Tecr_j5	8.16118	10.1641	0	1	1
Tecr_j7	15.07	14.6523	0	1	1
Cd97	0.33947	0.277	-0.293395	0.396206	0.721006
AK134933_j1	0.192614	0.23853	0.308454	0.679088	0.879469
AK134933_j2	0.166749	0.060333	-1.46666	0.190076	0.531884
AK134933_j3	0.130341	0.0447592	-1.54204	0.178619	1
Dcaf15_j6	0.929394	1.24587	0.422796	0.106617	0.405655
Cc2d1a_j2	0.0587459	0.00939874	0	1	1
Ccdc130	1.58831	1.94592	0.292959	0.339753	0.679994
Nacc1_j4	1.88478	0	0	1	1
Nfix_j3	0.221797	0.0691561	-1.68131	0.0153932	0.117147
Nfix	0.56054	0.433458	-0.370926	0.213625	0.558821
Nfix	0.409758	0.626528	0.612605	0.0305791	0.188095
Gcdh_j1	1.62713	1.3854	0	1	1
Gcdh	2.44237	2.95167	0	1	1
Wdr83_j1	0.231837	0.145819	-0.668933	0.111754	0.41608
Zfp791_j1	0.0748311	0.127743	0.771531	0.249767	1
Vps35_j2	70.7608	69.7602	-0.020545	0.811231	0.938053
Abcc12_j7	0.126344	0.177146	0.48758	0.479892	0.773893
Zfp423_j7	1.53555	0	0	1	1
Brd7_j1	6.48337	7.45799	0.202044	0.116787	0.425014
XLOC_032956	0.196886	0.111767	-0.816871	0.124598	0.439858
Rpgrip1_j4	1.03277	1.11289	0.107789	0.599701	0.841292
Rpgrip1l	0.383534	0.250954	-0.611934	0.0836383	0.352592
Ces5a_j2	0.061175	0 -1.79769e+308		0.0249339	1
Ces5a_j1	0.184065	0.0768931	-1.25929	0.1882	0.529448
XLOC_032964	0.156046	0.0181766	-3.10181	0.285825	0.634576
XLOC_032964	0.0731221	0.0418483	-0.805141	0.425164	1
XLOC_032964	0.0967022	0.0862478	-0.165061	0.842978	1
XLOC_032964	0.18141	0.0971946	-0.900309	0.16755	0.504076
Amfr_j1	6.66205	5.98096	0	1	1
Fam192a_j4	0.40053	0	0	1	1
Dok4_j4	8.43271	15.3865	0	1	1
Kifc3_j3	0.638344	0.464456	-0.458792	0.26065	0.609434

Cnot1_j10	5.67778	6.10533	0	1	1
Cnot1_j11	0.31411	0.282145	0	1	1
Slc38a7_j1	2.44927	3.19551	0	1	1
Slc38a7_j2	3.75511	4.37544	0	1	1
Got2_j2	0.394272	0.299282	0	1	1
Cdh8	1.02462	0.644419	0	1	1
Cdh8_j2	0.120489	0.0319155	0	1	1
Cdh8_j3	2.46845	2.19871	0	1	1
Cdh11_j6	0.713827	0.373869	0	1	1
XLOC_032992	0.0840641	0.0450949	-0.898526	0.570614	1
Dync1li2_j6	1.22105	0.116118	0	1	1
Dync1li2_j7	0.182346	0.131999	0	1	1
Ccdc79_j3	0.0635042	0.00986411	-2.68659	0.313745	1
Rrad_j1	0.0832371	0.0441722	-0.914088	0.566352	1
Fam96b_j2	5.67495	4.68954	-0.275162	0.28236	0.630923
B3gnt9-ps	0.0874388	0.0784969	-0.155637	0.775016	1
Tradd_j1	0.788796	0.0342487	0	1	1
Tradd_j5	0.0596879	0	0	1	1
Lrrc29_j6	0.16677	0.0602615	-1.46855	0.229677	0.576806
Lrrc29_j8	0.199657	0.0724813	-1.46184	0.102972	0.397663
Lrrc29_j9	0.0652155	0	-1.79769e+308	0.0326384	1
Lrrc29_j10	0.109561	0.111948	0.031094	0.975886	1
Tppp3	262.489	290.123	0.144408	0.0984789	0.388
Ranbp10	3.83457	3.80602	0	1	1
Slc7a6os_j1	0.968214	1.00105	0.0481224	0.833079	0.946305
Smpd3	5.26112	4.23949	-0.311477	0.0082748	0.074505
Nob1_j1	3.58494	3.31614	-0.112444	0.6975	0.888592
Psmc7_j2	27.3894	33.0132	0	1	1
Dhodh_j3	0.977976	0.765818	0	1	1
2400003C14Rik_j3	0.0728844	0.370035	0	1	1
Atxn1_j1	0.446075	0.443188	0	1	1
Marveld3_j1	0.171847	0	-1.79769e+308	0.001039	0.0147256
XLOC_033041	0.258458	0.0840537	-1.62055	0.0300313	0.185899
Il34_j3	3.81166	2.1783	0	1	1
Il34_j2	3.37453	3.50403	0	1	1
Clec18a	0.668713	0.642063	-0.0586742	0.881669	0.962494
Mrc1_j7	0.326432	0	-1.79769e+308	5.07E-06	0.0001713
Glg1_j1	14.5372	12.3043	0	1	1
Mkl_j4	0.0686728	0	-1.79769e+308	0.0148906	1
Mkl	0	0.134852	1.79769e+308	0.0063234	1
Wdr59_j2	0.725338	0.580413	0	1	1
Chst5_j1	1.4965	0.923857	-0.695851	0.0270198	0.173494
Adat1_j3	1.29489	0.834313	-0.63417	0.0270358	0.173551
Adat1	0.894668	1.01532	0.182503	0.548501	0.814203
Kars_j1	2.15726	1.38157	-0.642896	0.028137	0.177981
Cdyl2_j1	0.0555189	0	-1.79769e+308	0.0007169	1
2310061C15Rik_j1	0.470242	0.0920249	-2.35331	2.42E-05	0.0006468

Gcsh_j2	32.8829	33.3629	0	1	1
Pkd1l2_j9	0.0745741	0.0297712	-1.32476	0.356637	1
Pkd1l2_j11	0.0976485	0.0866692	-0.172078	0.869042	1
Slc38a8_j1	0.22111	0.0506889	-2.12502	0.0735979	0.326983
Hsd1l_j1	2.46826	2.07309	0	1	1
Zdhhc7_j2	3.11156	1.99111	0	1	1
Zdhhc7_j1	1.49892	1.33608	0	1	1
AK039624	1.91835	0.677429	0	1	1
XLOC_033092	0.0991306	0 -1.79769e+308	0.0084053		1
AK087264_j5	0.144006	0.025545	-2.49502	0.173357	0.511133
Fbxo31_j2	2.42467	0	0	1	1
Fbxo31_j3	6.47603	5.12412	0	1	1
Zcchc14_j8	0.181798	0.31306	0	1	1
Fam38a_j3	0.512639	0.52534	0.0353066	0.889506	0.964965
Galns_j4	0.272367	0 -1.79769e+308	0.0028013	0.0326175	0.991858
Galns_j5	0.280163	0.284547	0.0224011	0.970996	0.991858
Ankrd11_j2	13.0074	13.1246	0	1	1
Sult5a1_j3	0.258871	0.0905545	-1.51538	0.351695	0.688957
Fanca_j4	0.376229	0.276592	-0.443853	0.116396	0.424447
XLOC_033123	0.0545224	0 -1.79769e+308	0.1559		1
XLOC_033123	0.127372	0.0695426	-0.873078	0.365413	1
2310022B05Rik_j1	14.0839	14.0923	0	1	1
Ttc13_j2	2.27182	1.75515	0	1	1
Ttc13_j1	0.949611	0.513438	0	1	1
Pcnxl2_j5	3.80918	2.52813	0	1	1
Tarbp1_j2	0.607299	0.440523	-0.463189	0.191733	0.533938
Pnpla6_j2	0.289805	0	0	1	1
Pnpla6_j3	2.11061	1.92322	0	1	1
2310057J16Rik_j1	1.89742	1.58535	0	1	1
2310057J16Rik_j6	6.14202	6.66808	0	1	1
Stxbp2_j5	0.104774	0.124589	0	1	1
Evi5l_j1	13.0013	16.159	0	1	1
Lass4_j6	10.6293	11.0978	0	1	1
Ing1	0.443986	0.635781	0.518016	0.305048	0.65013
4931415C17Rik_j2	0	0.0829848	0	1	1
Atp11a_j1	8.5717	6.45983	0	1	1
Cul4a_j3	3.74598	3.71509	0	1	1
XLOC_032169	0.0898112	0.054865	0	1	1
Lamp1_j3	62.9153	57.1307	0	1	1
Tfdp1_j11	0.0920463	0.165554	0.846873	0.250669	0.598474
Fbxo25_j1	0.329035	0.303865	-0.114811	0.725436	0.902457
Arhgef10_j3	0.0825212	0.0420587	0	1	1
Kbtbd11_j1	0.103745	2.18522	0	1	1
Myom2_j1	0.102253	0.201127	0.975967	0.209595	0.553869
XLOC_032189	0.0601619	0.110713	0.879902	0.301364	1
XLOC_032189	0.0539133	0.167144	1.63238	0.192215	0.534433
XLOC_032197	0.776535	1.09983	0.502158	0.321228	0.664299

BC035532_j1	0	0.119103	1.79769e+308	0.0846583	1
Myst3_j5	6.86E-05	0.226848		0 1	1
Ank1_j1	11.1317	4.99788		0 1	1
Ank1_j10	30.1534	24.3714		0 1	1
Zmat4_j3	1.11635	1.90181		0 1	1
Fgfr1_j6	0.608706	0.733885		0 1	1
Fgfr1_j8	13.6537	15.0758		0 1	1
Whsc1l1_j4	0.0165149	0.047065	1.51089	0.0943462	1
Star	0.625547	1.46818	1.23084	4.73E-11	5.15E-09
Rnf170_j1	0.328077	0.316079	-0.0537493	0.959487	0.988456
Rnf170_j4	0.0776499	0.129819	0.741445	0.331143	1
XLOC_032229	0.0812604	0.161478	0.990713	0.179649	0.519346
BC019943_j1	0.314707	0.403319	0.357913	0.456781	0.760049
BC019943	0.352694	0.262005	-0.428819	0.226586	0.573689
Tmem66_j3	0.0853018	0.137701	0	1	1
Tmem66_j2	0.584045	1.40322	0	1	1
Tusc3_j8	0.0561415	3.95026	0	1	1
Tusc3_j9	0.511182	0.353103	0	1	1
Zdhhc2_j1	4.24685	4.2893	0.014352	0.934522	0.979958
Pcm1_j2	1.8527	2.64029	0	1	1
Sorbs2_j13	1.95864	1.79808	0	1	1
Irf2_j1	0.0751776	0.635217	3.07887	0.0191993	0.137057
Enpp6	0.116962	0.420311	1.84542	0.19409	0.536428
AK032387_j5	0.027996	0.0601602	1.10359	0.505459	1
Vegfc_j2	0.031584	0.0666017	1.07637	0.50934	1
Vegfc	0.0240209	0.0476558	0.98836	0.617753	1
Hpgd_j1	0.068933	0.16006	1.21535	0.303254	0.64898
AK141659_j2	0.0442432	0.0837022	0.919809	0.458696	1
Mfap3l_j1	2.69536	7.13272	0	1	1
XLOC_032307	0.0516029	0.30692	2.57234	0.174978	0.513242
2700029M09Rik	1.30654	1.55523	0.251372	0.526951	0.801327
Ddx60_j1	0.0407798	0.118373	1.53741	0.200705	1
Ddx60_j2	0	0.0563742	1.79769e+308	0.0456003	1
Ddx60_j8	0	0.0474789	1.79769e+308	0.0853219	1
Spock3_j2	0.0499366	0.209792	2.07079	0.114115	0.420249
XLOC_032317	0.0835483	0.159418	0.93213	0.324051	0.667132
Ints10_j10	3.86813	4.61122	0	1	1
Ints10_j11	2.22703	2.03324	0	1	1
Zfp930_j2	2.13404	1.98302	0	1	1
Zfp964_j1	0.526256	0.24761	-1.08769	0.0035985	0.0398023
Atp13a1_j8	4.95263	5.26461	0	1	1
Gmip_j3	0.344772	0.578476	0.746615	0.0794826	0.342405
Gmip	0.531544	0.755898	0.508003	0.149367	0.478596
Hapln4_j3	2.86392	1.84142	0	1	1
Sugp2_j4	0.358871	0.436344	0	1	1
Sugp2_j3	0.786765	1.49146	0	1	1
Crlf1_j7	0.0394242	0.239069	2.60028	0.0572674	0.280461

Fkbp8_j1	0.588493	0.492793	0	1	1
Fkbp8_j3	0	0.0973332	0	1	1
Fkbp8_j7	0	0.147074	0	1	1
Isyna1_j1	0.226508	0.175956	-0.364349	0.618361	0.850061
XLOC_032353	0.135922	0.142561	0.0687981	0.86999	1
XLOC_032353	0.0787775	0.0734855	-0.100325	0.924964	1
Pde4c_j6	0.353194	0.334748	-0.0773868	0.847159	0.951638
Pde4c_j13	1.12432	1.23032	0.129988	0.594866	0.838618
Pde4c_j22	0	0.44541	1.79769e+308	1.67E-05	0.000479
Mtap1s_j2	0.940321	0.755519	-0.315685	0.168179	0.504849
Mtap1s_j3	0.771827	0.878009	0.185959	0.567275	0.824855
Myo9b_j5	0.546797	0.578871	0.082238	0.760274	0.917459
Myo9b_j7	0.868029	1.44155	0.731808	0.0011636	0.0161276
Myo9b_j8	0.163426	0.778097	2.25131	1.09E-08	7.57E-07
Myo9b_j13	0.722519	0.738478	0.0315211	0.88477	0.963475
Use1_j1	5.97773	5.56547	-0.103093	0.602513	0.842947
Ankle1_j1	0.0751719	0.12945	0.784124	0.360377	1
Fam125a_j3	1.04428	0.983678	-0.0862541	0.859385	0.955525
Fam125a_j2	0.736088	0.627955	-0.229217	0.664931	0.873063
Slc27a1_j3	0.534636	0.453873	-0.236269	0.626035	0.854009
Slc27a1_j4	1.94607	1.93154	-0.0108073	0.940556	0.981947
Slc27a1_j10	0.511452	1.07491	1.07155	2.70E-07	1.30E-05
Slc27a1_j14	0.0411923	0.0579066	0.491351	0.440646	1
Pgls_j2	19.8023	23.1038	0.222459	0.173444	0.511266
Fam129c_j8	0.0518725	0.178587	1.78359	0.0884624	0.364324
Fam129c_j9	0.109014	0.0911697	-0.257891	0.799109	1
Fam129c_j10	0.161308	0.257236	0.673276	0.427478	0.741759
Glt25d1_j1	0	0.0740773	1.79769e+308	0.0025192	1
Jak3_j8	0.388649	0.412194	0.0848557	0.819327	0.941494
Zfp709_j2	0.214657	0.0869341	-1.30404	0.0419495	0.231266
Zfp882	0.431703	0.254541	0	1	1
Zfp617_j4	0	0.0972451	0	1	1
Zfp617_j6	0	0.165321	0	1	1
XLOC_032374	0.150689	0.209871	0	1	1
mszf37	0.17464	0.376021	1.10643	0.0548354	0.273143
Zfp961_j2	0.153615	0.269465	0.810775	0.158487	0.492691
XLOC_032377	0.0280782	0.0546247	0.960104	0.511664	1
Ap1m1_j1	0.195676	0.123909	-0.659188	0.52309	0.799177
Ap1m1_j2	0	6.9967	1.79769e+308	1.91E-21	5.53E-19
Nwd1_j6	0.0889634	0.0874004	-0.025571	0.961649	1
XLOC_032388	0.00642579	0.0552964	0	1	1
Hmgxb4_j8	0.119711	0.146349	0	1	1
Tom1_j6	0.0993616	0.137585	0.469563	0.326024	1
Nr3c2_j2	0.296834	0.298134	0	1	1
XLOC_032400	0.0723399	0.100531	0.474783	0.5136	1
Slc10a7_j1	1.59423	0.981922	0	1	1
Otud4_j4	1.21298	1.86224	0	1	1

Inpp4b_j2	0	0.186707	1.79769e+308	0.013822	0.108518
Inpp4b_j8	0	0.0601089	1.79769e+308	0.0706337	1
XLOC_032410	0.283149	0.275458	-0.0397251	0.930274	0.978636
Clgn_j1	1.13995	1.17112	0	1	1
Dnajb1	19.0997	20.1633	0.0781785	0.454294	0.75862
Gipc1_j3	9.51751	11.9882	0	1	1
Lphn1_j3	1.88871	2.47281	0	1	1
Asf1b_j1	0.276338	0.412106	0.57658	0.361024	0.695733
Rfx1_j1	0.832137	0.776491	-0.0998524	0.643533	0.862499
Rfx1_j3	0.183409	0.363729	0.987798	0.0022422	0.0272606
Podnl1_j1	0.0272489	0.052087	0.934727	0.552792	1
4930432K21Rik	0.104755	0.220667	1.07486	0.127739	0.445378
Cacna1a_j11	2.52382	3.59576	0	1	1
Syce2_j2	1.61364	1.37771	0	1	1
Dnase2a	0.322721	0.423497	0	1	1
Dnase2a_j1	0.315048	0.31317	0	1	1
Prdx2_j1	57.7128	57.1025	0	1	1
Hook2	0.215089	0.674172	1.64818	0.0003505	0.0060585
Tnpo2	0.0625742	0.0904637	0.531772	0.605644	1
Dhps_j4	0.455394	0.770116	0.75796	0.0552896	0.274555
Heatr3_j1	2.60876	3.19282	0.291467	0.228832	0.575849
Nod2_j2	1.68E-05	0.161655	13.2322	0.962073	0.989381
Nod2_j7	0	0.122006	1.79769e+308	0.0020541	1
Cyld_j1	0.000141348	0.292759	0	1	1
Cyld_j4	0.904041	0.941675	0	1	1
Cyld_j7	0.306562	0.40737	0	1	1
XLOC_032460	0.0119461	0.0570207	2.25494	0.396758	1
Chd9_j3	0.688486	0.6682	-0.043148	0.974596	0.992758
Chd9_j6	0.314884	0.43806	0.476306	0.0601498	0.288809
Chd9_j9	0.0292605	0.11277	1.94636	0.0011414	1
Fto_j4	0.0056869	1.07433	0	1	1
Gnao1	7.76039	6.79094	0	1	1
Gnao1_j6	0	0.0907259	0	1	1
Nup93_j1	0.231748	0.24338	0	1	1
Nup93_j5	2.75363	2.52584	0	1	1
Nup93_j10	0	2.26285	0	1	1
Slc12a3_j2	0.0866105	0.167597	0	1	1
Slc12a3_j4	0.233119	0.880906	0	1	1
XLOC_032475	0.0235887	0.050877	0	1	1
Nlrc5_j1	0	0.19027	1.79769e+308	3.56E-07	1.65E-05
Nlrc5_j12	0.146936	0.32409	1.1412	0.0820931	0.349173
Cpne2_j1	10.0919	13.6547	0.436198	0.0105022	0.0886475
Rspry1	0.1344	0.240597	0.840091	0.269001	0.618001
Arl2bp_j2	19.3472	22.0125	0	1	1
Gins3_j1	2.66403	2.44825	-0.121859	0.525501	0.800798
Ndr4_j3	71.8043	56.1438	0	1	1
Ndr4_j4	1.25125	1.58961	0	1	1

Setd6_j2	0.0396985	0.118388	0	1	1
XLOC_032505	0	0.113932 1.79769e+308	0.0039723		1
Bean1_j1	9.12303	10.4889	0	1	1
Bean1_j8	4.98003	5.4676	0	1	1
XLOC_032507	0.0479626	0.0698357	0	1	1
Car7_j1	0.312105	0.636279	1.02763	0.0468286	0.248242
Pdp2_j1	0.119699	0.502999	2.07114	1.15E-06	4.63E-05
Cbfb_j2	0.435263	0.416331	0	1	1
Cbfb_j7	1.03276	1.2501	0	1	1
Cbfb_j10	11.109	10.6158	0	1	1
Cbfb_j11	0.108074	0.562763	0	1	1
Hsf4_j1	0.295462	0.178969	0	1	1
Tmem208_j1	13.569	13.949	0	1	1
Slc9a5_j6	0.811674	0.612863	-0.405336	0.1627	0.498065
Slc9a5_j5	1.29472	0.92568	-0.484055	0.048902	0.254717
Plekhg4_j1	0.0493912	0.109861	1.15336	0.0776857	1
Fam65a_j1	7.83126	8.35673	0	1	1
Rltpr_j6	9.80237	9.12595	0	1	1
Nrn1_l_j1	0.109444	0.108049	-0.01852	0.988547	1
Dus2_l_j2	0.282679	0.732797	0	1	1
AK015813	0.168207	0.370965	1.14105	0.367636	0.701064
Nfat5_j2	0	0.160559 1.79769e+308	3.84E-07	1.76E-05	
Pmfbp1_j4	0.131554	0.0495665	-1.40822	0.240304	1
Pmfbp1_j10	0.505247	0.0843886	-2.58187	0.0272549	0.174421
Zfp821	0.493119	0.695404	0	1	1
Ap1g1_j2	3.67231	4.4522	0	1	1
Phlpp2_j1	0	0.147818	0	1	1
XLOC_032558	0.0989993	0.0994735	0.00689359	0.996101	1
St3gal2_j2	12.6436	11.3771	0	1	1
mKIAA1990_j3	0	0.090418	0	1	1
Gabarapl2_j2	0.202908	0.166465	-0.285613	0.624004	0.853123
Cntnap4_j1	0	0.289787 1.79769e+308	8.10E-05	0.0017926	
XLOC_032577	0.0791164	0.208553	1.39836	0.0586772	0.284705
Vat1_l_j2	0.0120475	0.0728139	0	1	1
Bcmo1_j4	0.0297794	0.0925975	1.63666	0.361539	1
4933407C03Rik_j3	0	0.638247	0	1	1
4933407C03Rik_j6	13.4321	17.1861	0	1	1
Plcg2_j7	0	0.302762 1.79769e+308	0.0038906	0.042075	
Osgin1_j1	0.0291767	0.872824	4.9028	9.18E-05	0.0019972
Wfdc1_j1	0.061326	0.403862	2.71929	0.0145866	0.112631
Crispld2_j2	1.02769	1.94234	0	1	1
Gse1_j1	0.280788	0.147384	-0.929902	0.0231653	0.155908
Gse1_j7	0.000454235	0.110128	7.92153	0.198372	1
Cox4i1	43.7146	56.7377	0	1	1
Banp_j8	0.482793	1.11555	1.20828	0.004432	0.046424
Zfpm1_j1	1.04705	0.893605	-0.228619	0.353114	0.689667
Ctu2_j2	2.85982	3.08756	0.110543	0.645843	0.863424

Acsf3_j1	0.307783	0.309667	0	1	1
XLOC_032621	0.10486	0.115088	0.134272	0.882731	1
Spg7_j3	7.58803	11.1791	0	1	1
Zfp276_j5	0.0612734	0.0255548	-1.26167	0.177646	1
Tcf25_j3	80.2443	81.1106	0	1	1
XLOC_032636	0.0670054	0.0707391	0	1	1
Afg3l1_j2	0.07411	0.422638	0	1	1
AK086660_j1	0.05695	0.0884389	0.634987	0.588943	1
Rab4a_j4	17.9974	17.7045	0	1	1
Galnt2_j2	0.673392	0.918282	0	1	1
Galnt2_j3	0.913461	2.83897	0	1	1
Capn9_j2	0.340963	0.428558	0	1	1
Gnpat_j1	2.78073	2.56567	-0.116132	0.361492	0.696104
Gm505_j1	0.0419893	0.0742398	0.822173	0.399596	1
Tsnax_j1	4.53296	5.5969	0	1	1
Kcnk1_j4	26.2711	14.5588	-0.85159	4.24E-14	7.46E-12
Slc35f3_j5	1.04621	0.492601	-1.08668	0.0101528	0.0864621
Pard3_j4	0.265626	0.371559	0.484191	0.175355	0.51373
XLOC_032660	0.221012	0.130406	-0.761116	0.222272	0.569443
XLOC_032660	1.25E-05	0.052038	12.021	0.984967	1
Nrp1	1.68811	1.83147	0	1	1
Itgb1_j1	0.178035	0.300357	0.754516	0.175946	0.514547
Cd209a_j1	0.162232	0.425424	1.39084	0.133252	0.454201
Ankrd10_j4	0.141379	0.76195	0	1	1
Ankrd10_j5	1.24561	1.68087	0	1	1
Gm6524	0.543826	0.65771	0.274306	0.417693	0.734715
Tubgcp3_j4	1.13925	1.29483	0	1	1
Tubgcp3_j3	0	0.19555	0	1	1
Tubgcp3_j5	2.76676	2.59087	0	1	1
2610019F03Rik_j2	0.896139	1.25418	0	1	1
Erich1_j1	0.660628	1.04366	0	1	1
Nek3_j2	0.960792	1.1794	0.295751	0.485936	0.777386
Slc25a15_j1	0.67758	0.937331	0	1	1
Vdac3_j3	0.127429	0.226814	0	1	1
Adam5_j4	0	0.280208	1.79769e+308	4.36E-05	0.0010623
Adam32_j1	0.158255	0.0904384	-0.807245	0.450323	0.756063
Adam32_j2	0.080323	0.117105	0.543922	0.620711	1
Adam9_j3	0.470783	0.673848	0	1	1
Adam9_j4	0.101412	0.0837823	0	1	1
Plekha2_j3	0	0.75697	0	1	1
Tacc1_j7	1.15267	1.08854	0	1	1
Tacc1_j4	0.13042	0.139502	0	1	1
Letm2	0.196441	0	0	1	1
Letm2_j7	1.06615	0.862998	0	1	1
Hgsnat_j2	22.5875	19.4902	0	1	1
4930444A02Rik_j3	9.50524	9.2307	-0.0422828	0.733214	0.905831
XLOC_032747	0.181737	0.162518	-0.161259	0.847598	0.951788

Adrb3_j2	0.035476	0.198476	2.48405	0.162837	0.498174
Chrna6_j8	0.482382	0.976975	0	1	1
Chrna6_j9	0.915126	0.816423	0	1	1
Unc5d_j2	0.0966022	0.16915	0.808173	0.210475	0.55502
XLOC_032755	0.0856512	0.111609	0.38191	0.748974	1
XLOC_032757	0.132042	0.133232	0.0129362	0.987225	1
Rbpms	0.187165	0.598327	1.67663	0.0297545	0.18472
Tnks_j1	1.07671	1.23079	0	1	1
Sgcz_j2	0.902871	0.748046	-0.271392	0.162646	0.498056
Fgl1_j3	0.0491703	0.201022	2.0315	0.257102	0.605894
Asah1_j1	0.0448036	0.169388	0	1	1
Asah1_j2	0.420675	0.490415	0	1	1
Tlr3_j2	0	0.0908626	1.79769e+308	0.0113521	1
1700029J07Rik_j1	0	0.0597037	1.79769e+308	0.112878	1
Snx25_j4	0	0.0770176	0	1	1
Snx25_j3	0.0228758	0.154779	0	1	1
Ccdc111_j3	0	0.351394	1.79769e+308	5.36E-05	0.0012663
Stox2_j1	0.000478412	0.40039	0	1	1
Stox2_j2	1.45152	1.49364	0	1	1
D030016E14Rik_j2	7.9493	9.5073	0.258209	0.148734	0.477543
Ing2_j2	2.27058	2.76602	0.284751	0.198536	0.541683
Wwc2_j2	0.35331	0.621509	0	1	1
BC088983_j2	0.282563	0.281161	-0.00717976	0.988819	0.996606
Pald_j1	0	0.689294	0	1	1
Psd3_j1	1.70901	1.35013	0	1	1
Csgalnact1_j1	1.88653	1.77625	0	1	1
Csgalnact1_j2	0	0.400317	0	1	1
Slc18a1_j1	0.133602	0.31522	1.23842	0.0373344	0.214212
XLOC_032828	0.0904394	0.16138	0.835443	0.398888	0.72264
XLOC_032830	0	0.238829	1.79769e+308	0.0528088	0.267012
Zfp866_j2	0.385859	0.574001	0.572981	0.220132	0.56698
Gatad2a_j1	0	0.107747	0	1	1
Ncan_j1	0.774753	1.58224	0	1	1
Rfxank_j1	0.26309	0.248144	-0.0843748	0.808045	0.936871
Crtc1_j3	3.12474	3.53155	0	1	1
Crtc1_j6	1.50468	1.62643	0	1	1
Ssbp4_j1	0.13084	0.149443	0	1	1
Mpv17l2_j2	5.98089	6.62454	0	1	1
Mast3_j7	0.757381	0.742126	-0.0293556	0.915718	0.973698
Arrdc2_j3	0.284652	0.417324	0	1	1
Arrdc2_j4	1.08881	0.994516	0	1	1
Kcnn1	2.22691	1.78609	0	1	1
Gm15427_j6	1.51085	1.42254	-0.0868993	0.827057	0.944289
Gm15427_j8	0.572841	0.795947	0.474538	0.403765	0.726553
Haus8_j3	1.51941	1.76321	0.214697	0.445575	0.753014
Nr2f6_j1	0.107759	0.0929001	0	1	1
Nr2f6_j2	2.38236	1.63235	0	1	1

Ushbp1_j5	0.0598983	0.031802	-0.913396	0.461173	1
Ushbp1_j3	0.0520037	0.18644	1.84203	0.0073026	0.0680402
Tmem221_j1	0.209991	0.135706	-0.629838	0.523453	0.799328
Fcho1_j6	0.0127116	0.601556	0	1	1
Cyp4f18_j2	0.117726	0.222337	0.91731	0.171442	0.508472
Cyp4f18_j1	0.0313522	0.104894	1.74229	0.185061	1
Cib3_j1	0.116819	0.273767	1.22868	0.327786	0.670398
Eps15l1_j6	0.283514	0.46188	0	1	1
Eps15l1_j9	0	0.07947	0	1	1
Cherp_j4	1.49994	2.10956	0.49204	0.125697	0.441571
Cherp_j5	1.84752	1.94488	0.0740901	0.681444	0.880308
9130011J15Rik_j4	25.8316	25.6032	-0.0128121	0.893647	0.966325
Tmem184c_j2	17.6639	18.0881	0	1	1
1700011L22Rik_j1	0.537815	0.844666	0.651271	0.0364758	0.211122
Mmaa_j2	0.369807	0.431709	0	1	1
Mmaa_j6	0.0218085	0.418911	0	1	1
Mmaa_j8	0.295506	0.00098276	0	1	1
Smad1_j1	0.163379	4.51217	0	1	1
Smarca5_j4	0.106936	0.0705076	-0.600902	0.632703	1
Gab1_j4	1.82932	3.67777	0	1	1
Gab1_j5	0.0440241	0.129663	0	1	1
Zfp330_j6	0.248058	0.418143	0.753317	0.228781	0.57584
Scoc	7.29177	7.88652	0	1	1
Tecr	15.1573	7.05343	0	1	1
Pkn1	1.26713	1.79887	0	1	1
Cd97_j3	0	0.439128	1.79769e+308	1.45E-09	1.18E-07
Cd97_j6	1.29141	1.39346	0.109728	0.666453	0.873739
Dcaf15_j7	5.22614	6.27179	0.263132	0.0838364	0.353091
Dcaf15_j8	2.0346	2.24932	0.144741	0.560081	0.821011
Cc2d1a_j6	0.110965	0.114996	0	1	1
Nacc1_j1	16.7995	18.3803	0	1	1
Rad23a_j4	0.0911837	0.0859623	-0.0850717	0.928341	1
AK039159_j1	0.843943	0.656478	-0.362399	0.178457	0.517953
Zfp791_j5	0	0.0730884	1.79769e+308	0.0366509	1
Neto2_j2	0.136196	0.125691	0	1	1
Zfp423_j2	0.00166753	2.22739	0	1	1
Zfp423_j3	0	0.443966	0	1	1
Aktip_j5	10.8608	9.68296	0	1	1
Aktip	5.41471	4.16446	0	1	1
Ces5a_j3	0	0.194431	1.79769e+308	0.0231992	0.156057
XLOC_032964	0.0388164	0.093664	1.27083	0.298122	1
XLOC_032964	0	0.131875	1.79769e+308	0.0410673	1
AK039837_j1	0.163175	0.138786	-0.233559	0.831748	0.945814
Ciapi1_j3	0.0631486	0.219205	0	1	1
Dok4_j2	0	0.486271	0	1	1
Dok4_j3	26.3915	20.3413	0	1	1
Csnk2a2_j1	0	0.279529	1.79769e+308	0.0250466	0.164508

Cnot1_j13	4.04754	4.13152	0	1	1
Got2_j6	0.262529	0.433073	0	1	1
Cdh11_j2	0.023927	0.15415	0	1	1
Cdh11_j3	9.66669	7.64591	0	1	1
XLOC_032992	0.0516243	0.176367	1.77246	0.08036	0.344797
Tk2	5.05473	4.99481	0	1	1
Dync1li2_j3	44.3545	41.6293	0	1	1
Dync1li2_j4	0.121806	0.5647	0	1	1
Rrad_j2	0	0.0545298	1.79769e+308	0.108748	1
Lrrc29_j1	0.0977123	0.11583	0.245401	0.787919	1
Lrrc29	0.332526	0.515909	0.633648	0.0719462	0.322462
Kctd19_j1	0	0.0796043	1.79769e+308	0.0088342	1
Agrp	0.561963	0.617887	0.136868	0.746414	0.911671
Acd_j3	2.03069	1.94704	0	1	1
Gfod2_j2	0	0.877891	1.79769e+308	4.24E-05	0.001037
Gfod2_j3	1.43086	1.44402	0.0132021	0.960797	0.988902
Ranbp10_j4	0.0461288	0.0684782	0	1	1
Cenpt_j3	0	0.369191	1.79769e+308	0.0009715	0.0139682
Psemb10_j3	1.53192	1.94154	0.341857	0.143003	0.469978
Slc12a4_j4	1.01108	1.19705	0.243578	0.326641	0.669796
Slc7a6os	2.94841	4.09113	0.472561	0.0005519	0.0088637
Terf2_j3	0.0479382	0.0597357	0	1	1
Dhx38_j1	3.79779	3.96669	0	1	1
Dhodh_j1	0	0.428665	0	1	1
Atxn1l_j3	0.235819	1.46591	0	1	1
Atxn1l_j4	0.000239638	0.405315	0	1	1
AK076897_j1	0.0746107	0.218108	1.54759	0.204961	0.549271
Ddx19b_j1	1.64179	1.37381	0	1	1
Mrc1_j11	0	0.125819	1.79769e+308	0.0878	1
Rfwd3_j3	0.292338	0.716154	1.29263	0.125021	0.440439
Fa2h_j2	0	0.0709433	1.79769e+308	0.0763297	1
Wdr59_j1	1.16587	1.71151	0	1	1
Bcar1_j2	2.2852	5.71436	0	1	1
Tmem231_j1	0.341594	0.614883	0	1	1
Adat1_j4	6.04E-05	0.596971	13.2717	0.9148	0.97341
XLOC_033064	0.0938772	0.163093	0.79685	0.272568	0.621353
2310061C15Rik_j5	0.747255	1.26546	0.759984	0.0009309	0.013508
1700030J22Rik	0.46963	0.314979	-0.576267	0.0552073	0.274204
Pkd1l2_j1	0.0318712	0.213774	2.74576	0.100124	0.391694
Pkd1l2_j10	0.013424	0.0817602	2.60658	0.233433	1
Pkd1l2_j18	0.359597	0.469112	0.38355	0.46093	0.762256
Pkd1l2_j20	0.0756516	0.140472	0.892842	0.308427	1
Sdr42e1_j1	0	0.135136	1.79769e+308	0.0116828	1
Mphosph6_j2	0.11575	0.260328	1.16931	0.321902	0.664958
Zdhhc7_j4	0.937709	0.771215	0	1	1
Zdhhc7_j5	1.20231	1.38754	0	1	1
Zdhhc7	1.59493	1.40458	0	1	1

AK087264_j1	0.0715476	0.0853637	0.25472	0.811263	1
AK087264_j8	0	0.0981296 1.79769e+308		0.0168427	1
Mthfsd_j6	7.4313	6.69687	0	1	1
Mthfsd_j9	1.20455	1.20554	0	1	1
Fbxo31_j7	9.06965	13.0324	0	1	1
Zcchc14_j5	0.0886707	0.0932569	0	1	1
Klhdc4_j5	0.529728	0.255565	-1.05156	0.148885	0.477837
Slc7a5_j1	12.7245	18.3163	0	1	1
Fam38a_j7	0.0168259	0.0648907	1.94733	0.102589	1
Galns_j3	0	0.375023 1.79769e+308		0.0001683	0.0033218
AK032654_j1	0	0.19404 1.79769e+308		0.0035839	0.039682
Sult5a1_j2	0	0.0716133 1.79769e+308		0.0975267	1
Spata2L_j1	0.340469	0.424914	0	1	1
XLOC_033123	0	0.0580158 1.79769e+308		0.10652	1
Pgbd5_j4	4.43819	4.75562	0	1	1
Pgbd5_j5	0	0.120375	0	1	1
Ttc13_j4	1.53822	2.75201	0	1	1
Ttc13	3.0695	3.43031	0	1	1
Fam89a_j1	19.1838	21.2987	0	1	1
Egln1_j1	1.14406	1.60784	0	1	1
Sipa1l2_j5	3.90E-05	0.268515	12.7475	0.865346	0.957067
Pcnx12_j4	0.1358	0.298334	0	1	1
Tarbp1_j1	0.103072	0.0936248	-0.138695	0.843764	1
Tomm20_j4	0.779321	0.689077	0	1	1
Arhgef18	5.08964	2.72147	0	1	1
Arhgef18_j3	1.11847	3.56528	0	1	1
Pnpla6_j10	1.26388	1.07991	0	1	1
Pnpla6_j9	1.82496	1.90939	0	1	1
2310057J16Rik_j5	0.236458	0.203116	0	1	1
2310057J16Rik_j4	0.930705	1.35509	0	1	1
XLOC_032141	0.073321	0.125478	0	1	1
Evi5l_j6	1.19553	1.07751	0	1	1
Evi5l_j4	4.86125	5.74051	0	1	1
Evi5l_j5	9.00843	7.14642	0	1	1
Ccl25_j7	0	0.0700537 1.79769e+308		0.13771	1
Ccl25_j8	0.356679	0.0959024	-1.89499	0.137248	0.460762
Lass4_j1	13.8994	15.3531	0	1	1
Col4a2_j1	3.4508	4.20999	0	1	1
Tfdp1_j2	0.94588	1.13525	0.263286	0.584422	0.833455
Upf3a_j1	2.57092	2.91624	0.181824	0.527127	0.801435
Arhgef10_j4	0.178592	0.333134	0	1	1
Arhgef10_j10	5.39801	6.4278	0	1	1
Kbtbd11_j5	0.0971081	0.555848	0	1	1
Mcp1_j3	0.463178	0.605673	0.386971	0.203309	0.547229
XLOC_032197	0.599404	0.824911	0.460709	0.503344	0.787002
XLOC_032197	0.777345	0.842416	0.115978	0.66033	0.871049
Slc20a2_j3	0	0.402096 1.79769e+308		1.82E-05	0.000514

Plat_j1	8.65E-05	0.702226	12.9868	0.887286	0.964241
Fgfr1_j9	3.38488	2.93399	0	1	1
Whsc11l_j6	0.469477	0.524579	0.160105	0.490934	0.780156
Rnf170_j7	0.994861	1.2531	0.33294	0.233495	0.580776
Rnf170_j9	0.665537	0.597203	-0.156299	0.66989	0.875139
Rnf170_j11	0.748049	0.665832	-0.167975	0.639889	0.860804
Thap1_j1	0	0.1855	1.79769e+308	0.0152201	0.116137
Chrn3_j3	0.101094	0.112238	0	1	1
Dusp26_j1	0.622768	0.356927	0	1	1
XLOC_032248	0.0581951	0.0424688	-0.454496	0.79351	1
Ppp2cb_j1	57.2741	55.4194	-0.0474897	0.620017	0.850928
Gsr_j2	1.23639	4.44869	1.84725	8.85E-10	7.48E-08
Mboat4_j4	0	0.0485223	0	1	1
Tmem66_j4	28.4309	31.9465	0	1	1
Mfhas1_j1	4.31107	5.16503	0	1	1
Mfhas1_j2	14.2857	19.3492	0	1	1
XLOC_032261	0	0.0702066	1.79769e+308	0.0428241	1
Tusc3_j4	0	0.0867484	0	1	1
Efha2_j1	31.3016	29.5902	-0.0811139	0.385778	0.714232
Slc7a2_j2	0	0.107718	0	1	1
Pcm1_j1	3.43589	2.64821	0	1	1
Pcm1_j3	1.98772	1.96063	0	1	1
Fat1_j2	0.0346111	0.0777347	1.16732	0.0702476	1
Fat1_j3	0.0825541	0	-1.79769e+308	7.48E-07	1
Ufsp2_j1	0.191549	0.181028	-0.0815007	0.880845	0.962091
Ufsp2_j3	1.60769	2.08484	0.374949	0.21256	0.557606
Acsl1_j5	1.91174	0.567069	0	1	1
Casp3_j1	0.000207661	1.23815	0	1	1
AK032387_j10	0.294553	0.22999	-0.356953	0.623215	0.852781
Hpgd_j2	0	0.210658	1.79769e+308	0.0305134	0.187857
AK141659_j3	0.077602	0.0622966	-0.316941	0.862253	1
AK141659_j4	0.101826	0.10528	0.048124	0.965919	1
XLOC_032306	0.126054	0.243212	0	1	1
XLOC_032307	0.12672	0.219082	0.789824	0.262955	0.611799
Nek1_j7	0.000604046	0.563956	0	1	1
Ddx60_j9	0.0956895	0.200593	1.06784	0.459541	0.761406
March1	0.16528	0.2808	0.764634	0.0469879	0.24858
Npy1r_j2	0.703288	1.50474	0	1	1
Naf1_j1	0.0522109	0.36298	2.79747	0.0252487	0.165458
Nat2_j1	0.695067	0.829252	0.254658	0.545209	0.812114
Sh2d4a_j1	0	0.0628509	1.79769e+308	0.0719452	1
Ints10_j1	0.108133	0.190807	0	1	1
XLOC_032329	0.178137	0.673336	1.91834	0.0714581	0.321458
Atp13a1_j4	0.295273	0.279572	0	1	1
Lpar2	0.0589334	0.147447	1.32304	0.081614	1
Lpar2_j1	0	0.110952	1.79769e+308	0.0129472	1
Pbx4_j2	0.424732	0.3558	-0.255487	0.638203	0.859943

Sugp2_j1	1.94762	2.00649	0	1	1
Fkbp8_j5	0.0220593	0.0614396	0	1	1
Fkbp8_j6	0.535533	0.728101	0	1	1
Ell_j2	1.58492	2.32182	0.550841	0.0190021	0.136135
Isyna1	10.0628	8.82187	-0.18987	0.127423	0.444832
Pde4c_j2	0	0.186625	1.79769e+308	0.001475	0.0194733
Pde4c_j1	0.0591934	0.205223	1.79368	0.0210701	0.14607
Pde4c_j11	0.54744	0.313606	-0.803747	0.0283697	0.179048
Pde4c_j18	0.448188	0.125477	-1.83668	0.0022938	0.0278109
Rab3a_j2	73.4246	71.7731	0	1	1
Myo9b_j4	0.241936	0.284232	0.232444	0.535759	0.80631
Myo9b_j11	0.267401	0.365026	0.448994	0.288718	0.636345
Gtpbp3_j3	1.00158	1.44429	0.528088	0.0369558	0.212772
Slc27a1_j8	3.57145	3.30469	-0.111995	0.570956	0.826513
Slc27a1_j9	7.42205	7.29334	-0.0252367	0.856625	0.95467
Slc27a1_j15	1.72477	1.82899	0.0846445	0.660544	0.871208
Fam129c_j1	1.38018	1.75909	0.349974	0.476224	0.77201
Zfp709_j1	0	0.0799527	1.79769e+308	0.0019513	1
Tmem38a_j1	6.3103	5.52385	-0.192035	0.188324	0.529656
Tmem38a_j3	28.0396	29.253	0.0611203	0.546406	0.81297
Nwd1_j3	0.247994	0.150547	-0.720089	0.0448743	0.242104
Nwd1_j2	0.407692	0.23188	-0.814101	0.0061367	0.0596123
Nwd1_j9	1.15121	0.924096	-0.317042	0.0959764	0.382589
Sin3b_j1	1.31915	1.40639	0.0923857	0.638712	0.860184
XLOC_032388	0.0491466	0.0587066	0	1	1
Hmgxb4_j2	0.211189	0.253652	0	1	1
Hmgxb4_j6	4.75E-05	1.0608	0	1	1
Tom1_j7	0.0509852	0.0782199	0.617456	0.464881	1
Tom1_j12	0.0605329	0.259137	2.09792	0.0484651	0.253397
Hmox1_j1	1.46792	3.07695	1.06773	0.000348	0.0060277
Mcm5_j1	0.365228	0.560538	0.618015	0.105059	0.402375
Rasd2_j1	0.546935	0.54487	-0.00545869	0.987504	0.996374
XLOC_032400	0.168393	0.0885178	-0.927791	0.489909	0.779646
Inpp4b_j7	0.029925	0.266428	3.15432	0.129032	0.447615
Inpp4b_j12	0.0571996	0.164576	1.52467	0.140113	0.465626
Rnf150_j2	0.000466099	0.39378	9.72254	0.0643994	0.301423
Tbc1d9_j1	0	0.0810962	1.79769e+308	0.0566334	1
Ucp1	0.104231	0.123853	0.248853	0.763303	1
Clgn_j3	8.87858	8.49966	0	1	1
Dnajb1_j2	0.063756	0.238495	1.90332	0.05947	0.2868
Palm3_j6	11.0651	10.5543	0	1	1
Podnl1_j6	0.0148053	0.0518858	1.80923	0.352728	1
Podnl1_j5	0	0.199102	1.79769e+308	0.0013834	0.0185608
Cacna1a_j7	5.28839	5.52141	0	1	1
Farsa_j1	0	0.183175	1.79769e+308	0.0254193	0.166262
Hook2	0	0.0576431	1.79769e+308	0.0923971	1
Tnpo2_j1	1.4817	1.28802	-0.202104	0.352749	0.689566

Tnpo2_j6	0.147837	0.900147	2.60616	2.11E-10	1.99E-08
Man2b1_j4	1.50322	2.64724	0.816433	0.0003701	0.0063553
XLOC_032445	0.288663	0.307061	0.089139	0.779362	0.925607
Gpt2_j2	0.0343238	0.0813898	0	1	1
Lonp2_j2	0.669426	1.71983	1.36127	2.65E-05	0.0006975
Adcy7_j4	0.0890017	0.101572	0.190595	0.729615	1
Nkd1_j1	0.842481	0.904086	0.101817	0.678891	0.879317
Nod2_j4	0.0404227	0.0991247	1.29408	0.130132	1
XLOC_032460	0.0490509	0.0193128	-1.34473	0.623606	1
XLOC_032460	0.135827	0.12229	-0.151463	0.832118	1
Chd9_j2	0	0.0975287	1.79769e+308	0.189685	1
Chd9_j8	0.0945098	0.158713	0.747886	0.0844975	0.354833
Chd9_j13	9.42E-05	0.502875	12.382	0.53315	0.804879
Gnao1	55.9652	47.0823	0	1	1
Gnao1_j5	7.30432	6.23628	0	1	1
Mt2_j1	24.5618	33.1228	0.431409	0.0044468	0.0465096
Herpud1_j3	1.22179	1.58563	0.376067	0.342282	0.68209
Ccl22_j1	1.72E-05	0.111953	12.6723	0.986143	1
Polr2c_j5	0	0.0522376	1.79769e+308	0.0966301	1
Polr2c_j6	1.65188	1.34436	0	1	1
Gpr56_j2	44.7337	37.4692	0	1	1
Gpr56_j7	13.7728	15.614	0	1	1
Gpr97_j1	0	0.113501	1.79769e+308	0.0124278	1
Gpr97_j2	0	0.0518291	1.79769e+308	0.0786494	1
Katnb1_j4	0.412641	0.501567	0.281555	0.530405	0.803061
Katnb1_j5	0.289442	0.441166	0.608048	0.0299015	0.185331
AA960436_j1	2.67348	3.17683	0	1	1
Mmp15_j2	15.6351	14.8801	0	1	1
XLOC_032499	0.904961	0.851064	0	1	1
CKLF6_j4	0.150128	0.341935	1.18753	0.0068295	0.0645822
Cmtm3_j6	0.846479	2.26142	1.41768	2.46E-05	0.000654
Ces2g_j3	0.191289	0.137052	-0.481032	0.467624	0.766717
Cbfb_j6	16.0571	16.185	0	1	1
Cbfb	8.16471	5.647	0	1	1
Hsf4_j3	1.54234	1.13646	0	1	1
Elmo3_j5	0.0167669	0.079977	2.25397	0.0314355	1
Elmo3_j7	0.178403	0.2676	0.584939	0.156386	0.4898
Slc9a5_j10	0.000372697	0.105408	8.14377	0.645533	1
Plekhg4_j2	0.0779519	0.121909	0.645152	0.413036	1
Plekhg4_j6	0.0439805	0.0631461	0.521831	0.652767	1
Plekhg4_j10	0	0.114031	1.79769e+308	0.0307227	1
Plekhg4_j15	0	0.0466996	1.79769e+308	0.209181	1
Fam65a_j3	1.09016	1.52037	0	1	1
Rltpr_j8	1.87912	1.44537	0	1	1
Nutf2_j9	20.2715	21.7933	0.104436	0.330774	0.67252
Edc4_j8	4.88045	4.9234	0.0126402	0.917075	0.97399
Edc4_j10	0.538084	0.422908	-0.347487	0.349144	0.687028

Pskh1_j1	0.000168997	0.806382	12.2203	0.831244	0.945533
Nfatc3_j2	0.853829	0.575308	0	1	1
Prmt7_j1	0.876233	3.16203	1.85147	0	0
AK015813_j2	0.0519864	0.289624	2.47798	0.236187	0.583411
Nfat5_j6	0.093818	0.158245	0.754224	0.0573673	0.280663
Nfat5_j5	6.59469	6.00388	-0.135408	0.185293	0.525537
Wwp2_j1	9.42063	8.34529	-0.174862	0.160241	0.494798
Wwp2_j2	0.102457	0.834833	3.02647	1.37E-05	0.0004045
Zfhx3_j2	0.509089	0.407717	0	1	1
Zfhx3_j3	0	0.0968175	0	1	1
Pmfbp1_j9	0	0.0975595	1.79769e+308	0.0703992	1
Txnl4b_j1	10.6706	10.61	0	1	1
Pkd1l3_j3	0	0.0691913	1.79769e+308	0.0441156	1
Phlpp2_j5	3.66756	3.52104	0	1	1
XLOC_032558	0.0917733	0.205543	1.16329	0.0322914	0.195009
Aars_j1	4.85726	9.8996	0	1	1
XLOC_032570	0.159972	0.402732	1.332	0.215609	0.561479
XLOC_032571	0.161928	0.196116	0.276357	0.80083	0.93371
Gabarapl2_j3	29.5266	27.7258	-0.090789	0.328944	0.671264
Mon1b_j1	2.13738	2.43749	0	1	1
Vat1l_j1	1.89414	2.28853	0	1	1
Wwox_j2	0	0.0697023	1.79769e+308	0.114062	1
XLOC_032582	0.0300263	0.121083	2.0117	0.344833	1
Plcg2_j3	0.119618	0.029144	-2.03716	0.428535	1
Cdh13_j2	0	0.23459	1.79769e+308	0.0006168	0.0097111
Klhl36_j1	0.063096	0.208975	1.72771	0.001612	0.0209639
Gse1	0.665472	0.861883	0.373114	0.101583	0.394864
Cox4i1_j1	256.042	185.272	0	1	1
Irf8_j1	0	0.0532549	1.79769e+308	0.0749359	1
Irf8	1.01E-05	1.10653	16.7408	0.980865	0.994152
XLOC_032607	0.128416	0.108177	-0.247429	0.835366	1
Map1lc3b_j3	111.797	113.507	0	1	1
Jph3_j1	8.04396	5.53485	0	1	1
Banp_j4	0	0.156727	1.79769e+308	0.0258963	1
Banp_j9	0.837499	0.86486	0.0463788	0.911422	0.972265
Zfpm1_j6	0.45326	0.199396	-1.1847	0.134071	0.455747
Cdt1_j2	0	0.0681149	1.79769e+308	0.0657296	1
XLOC_032621	0.144741	0.166205	0.199494	0.695761	0.887819
XLOC_032621	0.239853	0.219452	-0.128246	0.757744	0.916527
Rpl13_j4	3.13063	5.00779	0	1	1
Cdk10_j1	2.82903	2.89507	0	1	1
XLOC_032635	0.188859	0.200731	0.0879525	0.863803	0.956651
XLOC_032636	0.0876172	0.158996	0	1	1
Rab4a_j2	6.74988	6.36584	0	1	1
Galnt2_j1	0	1.14082	0	1	1
Arv1_j2	0.212791	0.173971	0	1	1
Gnpat_j3	8.99638	8.48415	-0.0845744	0.546088	0.812874

Gm505_j2	0.340963	1.15347	1.75829	2.03E-08	1.34E-06
XLOC_032650	0.0960081	0.195835	0	1	1
Disc1_j1	0.0884481	0.114529	0.372814	0.694739	1
Disc1_j3	0	0.0951571	1.79769e+308	0.0317001	1
Slc35f3_j3	0.398849	0.335331	-0.250257	0.63012	0.856283
Slc35f3_j4	6.76E-05	0.143691	11.0531	0.926133	1
Slc35f3_j8	0	0.184995	1.79769e+308	0.0088847	0.0784132
Pard3_j5	0.443328	0.298808	-0.569155	0.112383	0.417243
Pard3_j7	0.33034	0.70047	1.08437	0.0002125	0.0040346
Pard3_j8	1.2258	0.720037	-0.767585	0.0224501	0.152768
XLOC_032660	0	0.0567078	1.79769e+308	0.0538962	1
Itgb1_j2	0	0.482495	1.79769e+308	1.04E-05	0.0003185
Insr_j2	0.2325	0.297893	0.357566	0.38853	0.716008
Pex11c_j2	0.205409	0.584098	1.50771	0.0010238	0.0145661
Xab2_j2	1.47175	2.64831	0.847538	0.0012899	0.0175184
Timm44_j1	7.73649	13.2672	0	1	1
Timm44_j2	14.847	15.1546	0	1	1
Fam155a_j4	0.178789	2.2289	0	1	1
Fam155a_j3	3.36153	0.0300595	0	1	1
Pcid2_j2	0.368144	0.995084	0	1	1
Csmd1_j6	0.0605467	0.0704116	0.217766	0.671954	1
Csmd1_j13	0.890916	0.993327	0.15698	0.866626	0.957738
Csmd1_j18	0.65321	0.0959865	-2.76664	0.0624464	0.295747
6820431F20Rik_j1	4.35584	5.99988	0.461983	0.0002885	0.0051761
Atp7b_j2	0	0.117863	1.79769e+308	0.0367297	1
Vdac3_j6	0.279454	0.273464	0	1	1
Vdac3_j5	4.03556	7.54771	0	1	1
Polb_j1	0	0.120189	1.79769e+308	0.0868567	1
Polb_j4	0.274942	0.315757	0.199686	0.801167	0.933726
Polb_j3	0	0.174927	1.79769e+308	0.057413	0.28075
Ikbkb_j4	2.1495	3.39546	0	1	1
Agpat6_j1	0.125541	0.0593615	-1.08056	0.369829	1
Golga7_j6	0.190489	0.175745	0	1	1
Adam9_j1	13.9044	13.9719	0	1	1
Adam9_j2	4.74286	3.99262	0	1	1
Adam9	4.58105	5.94636	0	1	1
Plekha2_j1	0	0.122355	0	1	1
XLOC_032738	0.0776865	0.0824141	0.0852273	0.952987	1
Letm2_j1	0.10468	0.514723	0	1	1
Letm2_j5	0.516704	1.01665	0	1	1
XLOC_032755	0	0.128375	1.79769e+308	0.0565765	1
XLOC_032756	0.147754	0.290442	0.975055	0.159971	0.494558
Nrg1_j1	12.6128	8.4283	0	1	1
Nrg1_j4	1.08253	0.235576	0	1	1
Nrg1_j5	1.03664	0.664514	0	1	1
Ubxn8_j1	1.11643	1.04102	-0.10089	0.570242	0.826188
Rbpms_j1	0.209132	0.425988	1.0264	0.0079196	0.0720932

Dctn6_j2	26.6709	29.1887	0	1	1
Tnks_j4	0	0.196214	0	1	1
Eri1_j4	0	0.0582643	1.79769e+308	0.0311584	1
Dlc1_j3	0.368236	0.181717	-1.01894	0.0685706	0.313715
Dlc1_j4	0	0.165606	1.79769e+308	0.0082995	0.0746588
Cnot7	27.4526	28.2042	0.0389643	0.6799	0.879585
Mtus1_j5	1.08633	1.72582	0	1	1
Asah1_j4	0.628693	0.522244	0	1	1
Asah1_j7	8.06013	6.51056	0	1	1
Ccdc111_j4	0.157107	0.240039	0.611519	0.273284	0.62238
Wwc2_j3	0.487515	0.717001	0	1	1
Odz3_j8	3.40818	3.31481	-0.0400763	0.765499	0.919802
Odz3_j9	0	0.428524	1.79769e+308	2.20E-12	2.97E-10
Odz3_j10	0	0.241522	1.79769e+308	3.48E-08	2.15E-06
Spcs3_j3	3.18385	4.33187	0	1	1
Wdr17_j6	0.107379	0.0623504	-0.784242	0.431373	1
Wdr17_j5	0.0656475	0.17538	1.41768	0.0392672	0.221259
BC088983_j6	0.511946	0.859383	0.747309	0.0634951	0.298841
BC088983_j7	0.437479	0.411194	-0.0893914	0.877865	0.96086
Galnt7_j2	0	0.0929189	1.79769e+308	0.0092088	1
Psd3	0.700182	0.634787	0	1	1
Csgalnact1_j5	0.928802	0.991309	0	1	1
AK034302_j3	0.162829	0.00946814	0	1	1
Gm7697_j1	0.213595	0.210003	-0.0244631	0.97404	0.992534
Ndufa13_j3	106.453	109.171	0.0363766	0.740519	0.909073
Gatad2a_j6	0	0.114158	0	1	1
Gatad2a_j7	0.785536	0.333714	0	1	1
Crtc1_j7	0.499005	0.554313	0	1	1
Klhl26_j2	4.32681	4.84183	0	1	1
Klhl26_j1	1.33162	2.22517	0	1	1
XLOC_032849	0.126669	0.0667994	-0.923152	0.377173	1
Ssbp4_j5	4.42242	4.8029	0	1	1
Pik3r2_j2	2.18382	4.25753	0.96316	2.67E-08	1.70E-06
Pik3r2_j8	6.22665	4.36914	-0.511105	0.0022129	0.0270185
Gm15427_j5	5.67214	5.50632	-0.0428051	0.859544	0.95553
Ushbp1_j9	0.21794	0.215157	-0.0185403	0.97903	0.99392
Ano8_j6	2.25994	2.58396	0	1	1
Fcho1_j3	0.134642	0.156334	0	1	1
Fcho1_j4	0.29789	0.418103	0	1	1
Eps15l1_j1	0.294774	0.0854692	0	1	1
Large	8.32332	7.61666	0	1	1
Arhgap10_j3	0.287393	0.217421	-0.402532	0.476254	0.77201
Ednra_j1	1.12541	0.818153	-0.460007	0.163019	0.498208
Ednra_j2	0.187313	0.176363	-0.086908	0.883495	0.963029
Lsm6_j2	2.32869	2.47415	0.0874114	0.742684	0.909947
Lsm6_j1	0.197586	0.206163	0.0613114	0.945494	0.983783
Mmaa_j13	0.0795728	0.146863	0	1	1

Smarca5_j1	9.48146	8.70472	-0.123312	0.394641	0.719811
Gab1_j3	0.00040633	0.402638	0	1	1
Il15	0.0249487	0.0897889	1.84757	0.363268	1
Zfp330_j3	1.22452	1.12886	-0.117345	0.78069	0.925867
Zfp330	0.298216	0.655475	1.13618	0.0374796	0.214637
Scoc_j1	5.50986	11.7727	0	1	1
Tecr_j2	62.633	69.0256	0	1	1
Tecr_j3	163.103	146.662	0	1	1
Pkn1_j2	1.46884	2.36246	0	1	1
Pkn1_j3	0.333992	0.531966	0	1	1
Cd97_j2	0.166916	0.160522	-0.0563498	0.888638	0.964658
Nacc1_j3	7.5162	7.17676	0	1	1
Nfix	0.0839336	0.256104	1.60941	0.0015104	0.0198432
Rad23a_j2	3.26682	3.32624	0.0260034	0.849734	0.952228
Mast1_j3	0.972496	0.675737	0	1	1
Rnaseh2a_j2	0	0.243384	0	1	1
Siah1a_j2	10.8204	10.2927	-0.0721449	0.594214	0.83843
Zfp423_j1	4.20789	3.3831	0	1	1
Rpgrip1_j3	0.109232	0.175282	0.682278	0.209988	0.554517
XLOC_032964	0.0806877	0.119287	0.564011	0.650131	1
XLOC_032964	0.125075	0.26576	1.08733	0.2519	0.599884
Nudt21_j3	9.07126	8.92381	0	1	1
Bbs2_j2	2.52028	3.28143	0	1	1
Ciapin1_j1	8.06348	9.65888	0	1	1
Kifc3_j2	0.000222864	0.296609	10.3782	0.569378	0.825874
Gtl3_j1	10.6381	9.95829	0	1	1
Csnk2a2_j3	8.49389	10.384	0.289866	0.100046	0.391665
Cnot1_j6	0.161772	0.163264	0	1	1
Got2_j4	42.7843	51.8645	0	1	1
Ccdc79_j2	0.122174	0.147105	0.267904	0.687926	1
Tradd_j6	0.920011	0.367178	0	1	1
4931428F04Rik_j1	0.0697621	0.0558817	0	1	1
Lrrc29_j2	0.135058	0.197701	0.549745	0.394424	0.719811
Lrrc29_j11	0.0540178	0.280689	2.37747	0.0558449	0.276193
Fhod1_j1	1.04249	1.18681	0.18705	0.292494	0.639479
Kctd19_j5	0	0.173918	1.79769e+308	0.0179178	0.13055
Atp6v0d1_j1	19.7837	20.8959	0	1	1
Acd_j2	2.88961	2.93896	0	1	1
E130303B06Rik_j2	0.30137	0.242993	0	1	1
E130303B06Rik	0.0526711	0.122482	0	1	1
Ranbp10_j5	2.06526	4.31914	0	1	1
Ranbp10_j6	0	0.360702	0	1	1
Cenpt_j2	0.479614	0.585971	0.288955	0.520999	0.798005
Ctrl_j1	0.0331367	0.100058	1.59433	0.189036	1
Psmb10_j9	7.07931	9.9847	0.496112	0.102038	0.395836
Chtf8	0	0.316639	0	1	1
AK042944_j4	0.280704	0.622317	1.1486	0.0125066	0.101218

AK042944_j5	0.0232345	0.0492625	1.08422	0.50631	1
2400003C14Rik_j5	0.961871	1.06369	0	1	1
Atxn1l_j5	1.32773	1.04338	0	1	1
Chst4_j1	0.0176365	0.221868	3.65306	0.0244672	0.161866
Mrc1_j1	0	0.334387	1.79769e+308	0.0008054	0.0120371
Mrc1_j3	0	0.0551915	1.79769e+308	0.0791425	1
Bcar1_j3	3.94503	7.46929	0	1	1
Kars_j2	30.8637	35.8729	0.216983	0.0219724	0.150378
Pkd1l2_j7	0.088056	0.0740431	-0.250056	0.787022	1
Pkd1l2_j21	0.0349333	0.138173	1.98381	0.377016	1
Mphosph6_j3	0.242971	0.378243	0.638528	0.419933	0.73648
Slc38a8_j2	0.0709003	0.0745643	0.0726952	0.961656	1
Mbtps1_j4	6.5253	6.7835	0	1	1
Hsd1l_j5	0.714299	1.36544	0	1	1
Zdhhc7_j7	8.79075	10.4262	0	1	1
AK039624_j4	0.233951	0.141835	0	1	1
AK087264_j3	0.00487816	0.0819201	4.06981	0.196175	1
Mthfsd_j2	0.0895951	0.022994	0	1	1
Mthfsd_j4	3.64035	3.46274	0	1	1
Fbxo31_j4	7.65658	5.50865	0	1	1
Fbxo31_j5	0.111442	2.62504	0	1	1
Fbxo31_j6	1.86014	1.89147	0	1	1
Klhdc4_j2	1.81211	1.56406	-0.212373	0.661054	0.871471
Klhdc4_j3	0.205761	0.181398	-0.181816	0.817687	0.940908
Fam38a_j2	0.210544	0.246469	0.227286	0.502256	0.786303
Fam38a_j1	0.0397353	0.121538	1.61291	0.0125967	1
Aprt_j1	12.2795	14.3164	0.221426	0.195456	0.537888
Cbfa2t3	0.149605	0.29252	0.967376	0.0490675	0.255341
XLOC_033112	0.134138	0.227766	0.76383	0.272169	0.620962
Sult5a1_j1	0	0.114002	1.79769e+308	0.0805235	1
Sult5a1	0.0914177	0.267123	1.54696	0.0974797	0.385892
Fanca_j1	0.0544724	0.0442383	-0.300229	0.678876	1
XLOC_033123	0.0987919	0.130419	0.400686	0.752698	1
1700054N08Rik_j1	0.130556	0.15864	0	1	1
1700054N08Rik_j2	0.451389	0.444377	0	1	1
Abcb10_j1	1.18284	1.4176	0	1	1
Pgbd5_j2	2.36739	0.805799	0	1	1
Pgbd5_j3	0.160697	0.136779	0	1	1
Ttc13_j5	0	0.0479929	0	1	1
Egln1_j2	3.46082	3.87517	0	1	1
Sipa1l2_j3	0.299702	1.25028	2.06065	1.55E-15	3.32E-13
Pcnx12_j3	1.93217	1.29615	0	1	1
Tarbp1_j4	0	0.129679	1.79769e+308	0.0007917	1
Irf2bp2_j1	2.75798	2.67636	0	1	1
Arhgef18_j2	0.10771	0.316911	0	1	1
Pnpla6_j1	1.57643	1.35796	0	1	1
Pnpla6_j6	3.67401	3.62422	0	1	1

2310057J16Rik	0.549075	0.503855	0	1	1
Stxbp2_j1	2.0422	2.63842	0	1	1
2900053A13Rik_j3	0.613711	0.751358	0	1	1
Map2k7_j5	0.0533139	0.0814947	0.612195	0.357654	1
Ccl25_j2	0.307767	0.269517	-0.191463	0.825666	0.943781
Tnfsf13b_j1	0.0378936	0.0917676	1.27603	0.460766	1
Myo16_j2	0.168641	0.213972	0.343461	0.691307	0.885699
AK162519_j1	1.65853	2.13077	0	1	1
Carkd_j1	2.2051	2.61635	0	1	1
Atp11a_j3	0.460975	0.321249	0	1	1
Atp11a_j4	3.05855	1.75739	0	1	1
Tfdp1_j1	0.103371	0.146107	0.499199	0.730131	1
Tfdp1_j3	0.0322227	0.0671772	1.0599	0.621084	1
Tfdp1_j7	0.0229701	0.114927	2.32289	0.348975	1
Tfdp1_j6	0.372143	0.277087	-0.425517	0.61609	0.848645
Tfdp1_j15	0.00726857	0.0645806	3.15136	0.214766	1
Arhgef10_j1	2.51796	2.86763	0	1	1
Kbtbd11_j2	0	0.163591	0	1	1
XLOC_032199	0.30951	0.396527	0.357434	0.624317	0.853348
Zmat4_j4	0.00134747	0.279907	0	1	1
Zmat4_j6	0.975227	1.7252	0	1	1
Fgfr1_j2	5.68263	3.91971	0	1	1
Fgfr1_j1	16.1865	14.2702	0	1	1
Fgfr1_j4	6.12063	4.95699	0	1	1
Whsc1l1_j2	0.375418	0.395979	0.0769259	0.763276	0.918453
Whsc1l1_j10	1.13595	1.22929	0.113923	0.475547	0.771428
Kcnu1_j2	0.229306	0.776151	1.75906	0.0096641	0.0835564
Rnf170_j6	0	0.637405	1.79769e+308	2.22E-05	0.0006037
Erlin2_j2	6.31402	6.35377	0.0090528	0.941016	0.98215
XLOC_032238	0.0666189	0.161439	1.27699	0.212093	0.556966
XLOC_032260	0.0182009	0.609602	5.06579	0.0012385	0.0169529
Zdhhc2_j2	94.0745	101.078	0.103599	0.22727	0.574435
XLOC_032271	0.0879051	0.158217	0.847888	0.272015	0.620843
Sorbs2_j1	0.528461	0.502591	0	1	1
Sorbs2_j6	1.16469	0.699936	0	1	1
Sorbs2_j11	0.402953	0.926959	0	1	1
Sorbs2_j15	1.16379	0.849793	0	1	1
Sorbs2_j17	1.08035	0.876	0	1	1
4933411K20Rik_j2	0.504197	0.702447	0	1	1
AK032387_j3	0.0388865	0.136402	1.81052	0.0318405	1
Asb5_j2	0.0854539	0.163724	0.938052	0.546157	0.812888
AK141659_j7	0.000120449	0.186004	10.5927	0.963709	0.989789
Aadat	0.106076	0.131796	0.313204	0.717501	1
2700029M09Rik_j2	5.18788	5.43799	0.0679266	0.805115	0.935575
Nek1_j1	2.43969	2.34758	0	1	1
AK084432_j1	0.0499389	0.0927893	0.893796	0.616842	1
AK084432_j2	0.0135475	0.0760627	2.48916	0.318595	1

Ddx60_j11	0.124304	0.272414	1.13193	0.105057	0.402375
Spock3_j1	0	0.077061	1.79769e+308	0.281598	1
Spock3_j3	3.77919	2.56421	-0.559564	0.206504	0.55102
Naf1_j3	0	0.114269	1.79769e+308	0.0525722	1
Naf1_j2	0.112517	0	-1.79769e+308	0.0227878	1
Ints10_j3	0.450389	0.379142	0	1	1
Ints10_j2	0.0739181	0.13359	0	1	1
XLOC_032329	0.428001	0.437338	0.0311338	0.973284	0.992283
Atp13a1_j1	0.477474	0.431382	0	1	1
Atp13a1_j3	0.0819499	0.0314318	0	1	1
Gmip_j2	0.213559	0.0881923	-1.27591	0.124778	0.440123
Nr2c2ap	1.11798	0.739871	-0.595542	0.224652	0.571783
Sugp2_j7	2.84312	2.75483	0	1	1
XLOC_032354	0.305521	0.175836	-0.797042	0.125913	0.441872
Mtap1s_j4	0.150132	0.317353	1.07986	0.0681557	0.312536
Myo9b_j18	1.38657	1.49139	0.105144	0.754578	0.915367
Use1_j4	15.2132	16.2039	0.0910198	0.681246	0.880213
Gtpbp3_j5	0.579157	0.842407	0.540563	0.0840357	0.353682
Slc27a1_j5	0	0.469084	1.79769e+308	0.0002012	0.0038565
Slc27a1_j7	0.380418	0.325118	-0.226624	0.440639	0.749739
Slc27a1_j6	1.21113	1.11203	-0.123151	0.494058	0.782369
Fam129c_j2	0.115015	0.162512	0.49872	0.509322	0.790813
Fam129c_j3	0.165739	0.247088	0.576115	0.448921	0.755264
Fam129c_j4	0	0.151354	1.79769e+308	0.0173827	1
AK085371_j1	0.0981293	0.248077	1.33803	0.0400517	0.223996
Tmem38a_j2	11.178	10.5917	-0.0777293	0.543907	0.811113
Nwd1_j8	0.0119553	0.102992	3.1068	0.0009056	1
Nwd1_j7	0.0171158	0.0562847	1.71741	0.0497389	1
Hmgxb4_j4	0.211438	0.115303	0	1	1
Hmgxb4_j5	0	0.133814	0	1	1
Tom1_j2	0.184465	0.190412	0.0457734	0.962553	0.989507
Mcm5_j2	0.309472	0.404241	0.385406	0.426471	0.741234
Prmt10_j1	0.112957	0.2321	0	1	1
Slc10a7_j2	0.641623	0.570744	0	1	1
Zfp827_j6	1.20789	0.627036	-0.945875	0.0063014	0.0608641
AK041972_j1	0.155166	0.18528	0.255894	0.753182	0.914687
Otud4_j1	0.816246	0.847274	0	1	1
Tbc1d9_j5	0.128485	0.153836	0.259796	0.747505	1
Ndufb7_j1	67.2837	66.946	0	1	1
Dnajb1	6.07386	8.90326	0.55172	0.0052846	0.0528232
1700067K01Rik_j2	0.447069	0.256985	-0.798813	0.195296	0.537661
Rfx1_j4	0.531937	0.507108	-0.0689627	0.78782	0.929394
Podnl1_j2	0.0642936	0.148584	1.20853	0.28279	1
4930432K21Rik_j7	3.25E-05	0.105518	11.6656	0.963963	1
Cacna1a_j8	0.0826068	0.291133	0	1	1
XLOC_032430	0.189431	0.221396	0.224951	0.563341	0.822528
Dnase2a_j3	0	0.136714	0	1	1

Prdx2_j3	25.2674	44.3977	0	1	1
Hook2_j1	0.212115	0.399592	0.91368	0.0453847	0.243912
Dhps_j3	0.0264386	0.143904	2.44439	0.0683967	1
Man2b1_j5	0.399	0.619619	0.63499	0.163499	0.498839
Lonp2_j3	7.35536	8.32215	0.178161	0.467022	0.766531
Tmem188_j2	0.154448	0.512656	1.73086	0.0334299	0.199658
Papd5_j2	3.0482	2.89316	0	1	1
Adcy7_j1	0.492668	0.633475	0.362673	0.172097	0.509298
Adcy7_j6	0.361288	0.379325	0.0702856	0.834799	0.946943
Nod2_j6	0.191071	0.477466	1.32129	0.0085832	0.0764909
Cyld	0.471022	0.46496	0	1	1
XLOC_032460	0	0.0752664	1.79769e+308	0.0785998	1
XLOC_032460	0.0197223	0.0595239	1.59364	0.309798	1
XLOC_032460	0.225285	0	-1.79769e+308	0.0181693	0.131811
Chd9_j12	0	0.0494617	1.79769e+308	0.192887	1
Lpcat2_j3	0	0.241457	1.79769e+308	0.0087408	0.0775264
Gnao1_j4	0.181444	0.169767	0	1	1
Nup93_j3	4.57447	5.8005	0	1	1
Nup93_j4	6.03812	5.78823	0	1	1
Nup93_j9	1.16076	4.96748	0	1	1
Nlrc5_j4	0.0593958	0.0736841	0.310991	0.831483	1
Nlrc5_j10	0.283405	0.230441	-0.298468	0.5521	0.816191
Arl2bp_j1	23.8424	21.9038	0	1	1
Gpr56_j1	2.23018	12.563	0	1	1
Gpr97_j4	0	0.0697001	1.79769e+308	0.0596645	1
Gpr97_j5	0.0784021	0.244378	1.64015	0.0512137	0.262124
Katnb1_j1	0.0830757	0.0680147	-0.28858	0.810711	1
Katnb1_j6	2.40509	3.83325	0.672478	0.0279406	0.177235
A330008L17Rik_j1	0.271608	0.217606	0	1	1
XLOC_032505	0	0.114664	1.79769e+308	0.0511101	1
Cdh5_j1	0	0.137682	1.79769e+308	0.0031547	1
Bean1_j7	4.63154	2.51024	0	1	1
Cmtm3_j2	0	0.578851	1.79769e+308	0.0002568	0.0047223
Cmtm3_j4	0	0.301861	1.79769e+308	0.0063574	0.0612842
Cmtm3_j5	0	0.28742	1.79769e+308	0.0135218	0.106878
Car7_j4	0	0.253857	1.79769e+308	0.008586	0.0765018
Ces2g_j4	0.244663	0.123413	-0.987304	0.253714	0.601839
Cbfb_j4	0	0.486084	0	1	1
Slc9a5_j9	1.71489	1.02014	-0.749341	0.006736	0.0638843
Plekhg4_j8	0.06466	0.0901121	0.478847	0.732038	1
Plekhg4_j9	0.0811333	0.0420464	-0.948314	0.484901	1
Plekhg4_j14	0.00757069	0.114703	3.92133	0.279021	1
Lrrc36_j1	0.133646	0.251407	0.91161	0.27617	0.624941
Fam65a_j4	0.162658	0.0819528	0	1	1
Ctcf	4.26812	4.33055	0	1	1
Ctcf_j1	1.08437	1.28856	0	1	1
Nutf2_j1	0	0.0493411	1.79769e+308	0.0479002	1

Nutf2_j5	0.834269	0.920371	0.141703	0.575157	0.828142
Has3_j1	0.153839	0.0986384	-0.641203	0.534341	0.805503
AK015813_j4	1.76E-05	0.309145	14.1003	0.993735	0.998222
AK015813_j3	0	0.501277	1.79769e+308	0.0047153	0.0485464
Wwp2	3.74842	4.20275	0.165053	0.455447	0.759218
XLOC_032552	0.175601	0.185083	0.0758751	0.93126	0.979039
Pmfbp1_j11	0.417685	0.18385	-1.18388	0.23016	0.577255
Zfp821_j1	2.32607	2.2009	0	1	1
Phlpp2_j4	0	0.151633	0	1	1
Hydin_j2	0.0773054	0.176644	1.1922	0.319679	0.662991
Aars_j2	4.59004	5.5983	0	1	1
XLOC_032571	0.118513	0.208832	0.817301	0.364813	0.698781
Cntnap4_j4	4.32304	4.26221	-0.0204426	0.932816	0.979616
Wwox_j1	5.73657	5.89593	0.039532	0.814897	0.939661
XLOC_032582	2.19E-05	0.0644827	11.5222	0.980307	1
Bcmo1_j1	0	0.150653	1.79769e+308	0.0127309	1
Plcg2_j1	0.0790101	0.136823	0.792202	0.57862	1
XLOC_032601	0.159602	0.232216	0.540992	0.444223	0.752052
Gse1	0.537031	0.509598	-0.0756465	0.786595	0.928645
Foxc2	0.393927	0.558308	0.503131	0.101085	0.39362
Map1lc3b	0.282651	0.439549	0	1	1
Banp_j5	0	0.214106	1.79769e+308	0.0123709	0.100403
Zfpm1_j5	0.22965	0.239356	0.0597233	0.926542	0.977218
XLOC_032618	0.0732824	0.201324	1.45798	0.19115	0.533267
Cdt1_j3	0.0786142	0.250598	1.67251	0.0608153	0.29079
4732415M23Rik_j4	0.191383	0.18903	-0.0178494	0.982306	0.994634
4732415M23Rik	0	0.192851	1.79769e+308	0.0223317	0.152214
Zfp276_j3	0.104419	0.0417176	-1.32366	0.283016	1
Zfp276_j4	0.32421	0.404417	0.318915	0.249291	0.596796
Tcf25_j6	46.8708	50.3156	0	1	1
Afg3l1_j3	4.9537	6.05958	0	1	1
Rhou_j1	13.519	16.389	0	1	1
AK013187_j1	2.46126	2.46635	0	1	1
mKIAA0133_j5	0.456109	1.19007	0	1	1
Arv1_j5	0	0.0759224	0	1	1
Tsnax_j2	35.4717	34.0087	0	1	1
BC021891_j1	0	0.0478445	1.79769e+308	0.038327	1
BC021891_j2	0.109373	0.14208	0.377453	0.545014	1
Slc35f3_j1	0	0.146486	1.79769e+308	0.0105332	1
Pard3_j1	0.299439	0.340158	0.183947	0.646292	0.86363
Pard3_j2	0.274617	0.273178	-0.00757615	0.984483	0.995386
Pard3_j9	0.155879	0.637132	2.03116	0.0003578	0.0061567
XLOC_032660	0.0233624	0.0975034	2.06126	0.106384	1
Itgb1_j6	0	0.0722797	1.79769e+308	0.0418213	1
Insr_j3	0.0249876	0.0818939	1.71254	0.0210879	1
AK019114_j3	0.974363	1.22501	0.330266	0.43167	0.743752
Cd209f_j1	0.0557818	0.154751	1.47208	0.0987881	1

Shcbp1_j1	0.155101	0.151697	-0.032007	0.982433	0.994652
Arglu1_j2	12.9225	13.4937	0	1	1
Fam155a_j6	0.97379	0.187087	0	1	1
Fam155a_j5	2.96036	5.5664	0	1	1
Lig4_j2	0	0.379736	0	1	1
Rab20_j1	0.107841	0.238933	1.1477	0.156959	0.490784
Cars2	0.258881	0.998964	1.94815	0.0002119	0.0040269
Grtp1_j2	0	0.196634	0	1	1
Adprhl1_j2	0.204058	0.114801	-0.829837	0.533741	0.805247
Dcun1d2_j3	1.9143	3.25843	0	1	1
Dcun1d2_j4	0.894772	0.886752	0	1	1
Csmd1_j1	0.886038	0.813437	-0.123337	0.583779	0.83315
Csmd1_j8	0.32353	0.32858	0.0223434	0.969193	0.991369
Csmd1_j11	1.27128	0.934205	-0.444475	0.396892	0.721325
Csmd1_j17	0.48052	0.733283	0.609775	0.337088	0.6775
Nek3_j1	0	0.168077	1.79769e+308	0.0130963	0.104584
Ckap2_j6	0.118478	0.530053	2.16151	0.0006435	0.010019
Ckap2_j5	0.00034477	0.160964	8.86689	0.72771	0.903503
Slc25a15_j7	0.727992	1.37046	0	1	1
Vdac3_j8	11.4463	13.5923	0	1	1
Vdac3_j7	14.3624	20.7645	0	1	1
Ikbkb_j2	0	0.190513	0	1	1
Golga7_j7	0.241816	0.709577	0	1	1
Golga7_j8	1.27307	1.24976	0	1	1
Adam5_j8	0	0.0832082	1.79769e+308	0.0658938	1
Adam32_j3	0.140574	0.0780497	-0.848868	0.462541	0.763366
Adam9_j5	0.0989802	0.0114355	0	1	1
Tacc1_j3	0.208554	0.291962	0	1	1
XLOC_032738	0.0440925	0.0747679	0.761887	0.688477	1
Letm2_j3	0.872603	0.707777	0	1	1
Ddhd2_j5	6.53751	7.32995	0.165061	0.258266	0.60698
Hgsnat_j1	5.25581	5.8335	0	1	1
Fnta_j1	9.4721	11.2094	0	1	1
Adrb3_j1	0.0247908	0.134201	2.43652	0.0865343	1
Chrna6_j6	0.0700728	0.0550923	0	1	1
Chrna6_j4	0.035055	0.0690785	0	1	1
Chrna6_j5	1.25771	1.31844	0	1	1
Chrna6_j7	1.00662	0.205837	0	1	1
Leprotl1_j2	2.40604	2.70174	0	1	1
Eri1_j5	1.89969	2.00656	0.0789598	0.642039	0.86192
XLOC_032776	0	0.111704	1.79769e+308	0.0266733	1
Fgl1_j4	0	0.0681731	1.79769e+308	0.197995	1
Asah1_j8	0.281174	0.499629	0	1	1
Tlr3	0	0.0581195	1.79769e+308	0.0400394	1
1700029J07Rik_j2	0	0.0638662	1.79769e+308	0.0975759	1
Ccdc111_j2	0.00360851	0.369228	6.67697	0.0087937	0.0778536
Odz3_j7	0.350007	0.419745	0.262129	0.304935	0.65013

Spcs3_j1	1.31586	0.267084	0	1	1
Wdr17_j1	1.68542	1.37488	-0.293809	0.159619	0.494017
Wdr17_j3	0.175761	0.0416711	-2.07649	0.0482739	0.252722
Wdr17_j2	1.20355	1.15748	-0.0563139	0.818728	0.941272
BC088983_j1	0.119156	0.148059	0.313317	0.736317	1
Anxa10_j1	0	0.112034	1.79769e+308	0.0395553	1
Anxa10_j2	0	0.607456	1.79769e+308	0.0001992	0.0038249
Cpe_j1	300.592	270.289	-0.153304	0.0789919	0.341029
1810029B16Rik_j1	1.19003	1.16586	-0.0295991	0.946722	0.984263
Npy5r_j1	0.0621368	0.120213	0.952068	0.369778	1
Psd3_j3	0	0.225889	0	1	1
XLOC_032830	0.178372	0.962643	2.43211	0.0029713	0.0342128
XLOC_032830	0.434223	0.483736	0.155784	0.836295	0.947519
XLOC_032830	1.65233	1.65133	-0.000874312	0.997973	0.999228
XLOC_032832	0.113166	0.240786	1.08931	0.361694	0.696116
Zfp869_j1	1.28889	1.33198	0.047443	0.853064	0.953424
Zfp869_j2	4.02367	4.15915	0.047777	0.74912	0.912835
Zfp866_j5	2.53784	2.74588	0.113669	0.391299	0.717886
Gatad2a_j9	0.297226	1.36836	0	1	1
Gatad2a_j10	1.53037	4.67317	0	1	1
Upf1_j3	0.44861	1.22497	1.44921	1.27E-10	1.26E-08
Upf1_j4	6.81878	6.73103	-0.0186874	0.844582	0.950847
Crtc1_j1	0.186772	0.411578	0	1	1
Crtc1_j2	0	0.118293	0	1	1
2810422J05Rik_j1	5.62004	5.81378	0	1	1
Ssbp4_j2	1.96325	2.48082	0	1	1
Ssbp4_j3	0	0.42453	0	1	1
Ifi30_j1	0.949473	1.32312	0.47875	0.415367	0.733216
Arrdc2_j2	0.890913	1.32206	0	1	1
Kcnn1_j6	0.434208	0.514151	0	1	1
Kcnn1_j7	0.669639	0.375582	0	1	1
Kcnn1_j8	0.433517	0.321968	0	1	1
Ccdc124_j2	48.1865	53.8053	0	1	1
Slc5a5_j1	4.85608	5.1071	0	1	1
Gm15427_j12	0	0.218667	1.79769e+308	0.0953225	0.381208
Gm15427_j13	0.151577	1.18193	2.96302	0.0046308	0.0478793
Unc13a_j6	2.07075	2.71059	0	1	1
Fcho1_j8	4.47876	3.39751	0	1	1
Cyp4f18_j3	0.0597607	0.143416	1.26294	0.210153	1
Cib3_j2	0.204698	0.0930063	-1.1381	1	1
Eps15l1_j2	10.4279	11.7397	0	1	1
Calr3_j1	0.364506	0.463442	0.346447	0.462362	0.763237
Large_j1	1.16859	1.56775	0	1	1
Pou4f2_j1	2.29127	1.32216	-0.793247	0.0136467	0.107551
Smad1_j5	5.92675	10.5451	0	1	1
Abce1_j1	14.8624	14.5312	0	1	1
Smarca5_j6	0.0850351	0.11344	0.415802	0.742537	1

Il15	0	0.226634	1.79769e+308	0.0243258	0.161275
Zfp330_j4	2.10002	2.81697	0.423742	0.11857	0.428587
Elmod2_j1	0.151436	0.303484	1.00291	0.0491024	0.255389
Elmod2_j2	0.111452	0.21086	0.919858	0.12957	0.448468
Scoc_j2	40.0656	29.4307	0	1	1
Tecr_j4	0.23798	0.746822	0	1	1
Il27ra_j1	0.088638	0.0459111	0	1	1
Il27ra_j2	0.109383	0.10297	0	1	1
Dcaf15_j1	0.0582615	0.26559	2.18859	0.0014375	0.0190767
Cc2d1a_j4	0.00856102	0.15839	0	1	1
Zswim4_j1	2.4212	3.67169	0	1	1
Ccdc130_j1	0	0.565067	1.79769e+308	3.68E-05	0.0009197
AK039159_j2	0.490732	0.586306	0.256716	0.39039	0.717228
Neto2_j3	1.04976	1.56057	0	1	1
Neto2	0.518218	1.32974	0	1	1
Itfg1_j1	56.9343	50.4022	0	1	1
Abcc12_j3	0.0315513	0.318135	3.33386	0.0095506	0.0827658
Cbln1_j1	0.120037	0.171666	0.516128	0.522098	0.79866
Tox3_j1	4.01066	3.09112	0	1	1
Rpgrip1_j2	0.0406863	0.154173	1.92194	0.0051326	1
Rpgrip1_j1	0.0681711	0.0788858	0.210605	0.751248	1
Amfr_j2	39.9136	45.7578	0	1	1
Bbs2_j1	0.752328	0.749994	0	1	1
Dok4_j5	0.319348	0.500757	0	1	1
Ccdc102a_j3	1.81764	2.10775	0.213634	0.563055	0.822343
Kifc3_j1	4.88315	4.56703	-0.0965565	0.432509	0.744252
Cngb1_j1	0.0378083	0.139312	1.88154	0.186972	1
Cdh11_j7	12.1837	11.9985	0	1	1
Cdh11_j8	4.70529	4.01808	0	1	1
Cdh11_j9	5.06976	3.85873	0	1	1
Dync1li2_j5	12.2725	12.8681	0	1	1
Kctd19_j3	0	0.0527755	1.79769e+308	0.0590018	1
Kctd19_j2	0.168739	0.0697934	-1.27363	0.158056	0.492267
Zdhhc1_j1	1.52719	1.87628	0	1	1
Zdhhc1_j5	2.90596	2.54214	0	1	1
Zdhhc1_j2	2.36523	2.52122	0	1	1
Zdhhc1_j3	1.48858	1.41688	0	1	1
Zdhhc1_j4	6.12557	5.52499	0	1	1
AK086852	0.514458	0.636847	0	1	1
Ranbp10_j3	1.76659	1.29448	0	1	1
Psmb10_j5	14.4181	14.7517	0.0329958	0.814172	0.939438
Slc12a4_j2	1.12043	0.991964	-0.175699	0.481013	0.774698
Dpep2_j1	0.0470019	0.135556	1.5281	0.126007	1
XLOC_033021	0	0.0923244	1.79769e+308	0.0568669	1
2400003C14Rik_j4	7.7573	8.04279	0	1	1
AK038784	0	0.111352	0	1	1
AK076897_j2	0	0.174561	1.79769e+308	0.0618894	0.294254

Il34_j4	2.00446	4.49046	0	1	1
Fuk_j2	0	0.239952	1.79769e+308	3.31E-06	0.0001186
Mrcl_j5	0.157454	0.317241	1.01064	0.24782	0.595123
AK020517_j2	0	0.0702967	0	1	1
Mlkl_j3	0	0.0841253	1.79769e+308	0.0549855	1
Fa2h_j1	0.845935	1.16982	0.467666	0.143868	0.470876
Wdr59_j3	1.97551	2.27006	0	1	1
2310061C15Rik_j4	0	0.460525	1.79769e+308	1.17E-07	6.15E-06
1700030J22Rik_j5	0.0907593	0.0510028	-0.831468	0.468327	1
Pkd1l2_j2	0.0638298	0.100983	0.661811	0.549547	1
Pkd1l2_j6	0.0249166	0.130053	2.38392	0.0738811	1
Pkd1l2_j16	0.186598	0.379879	1.02561	1	1
Slc38a8_j3	0.0454755	0.0952603	1.06679	0.546623	1
Mbtps1_j3	5.72161	6.84167	0	1	1
Hsdl1_j2	7.05196	8.80323	0	1	1
Taf1c_j2	0.93027	1.21201	0.381685	0.237363	0.584096
Kcng4_j2	1.81187	0.707663	-1.35635	1.99E-07	9.83E-06
Kcng4_j1	0.0578982	0.22144	1.93533	0.0070876	0.0665069
AK087264_j2	0.0787991	0.15443	0.970702	0.351341	1
Mthfsd_j3	0.424507	0.401279	0	1	1
Mthfsd_j8	1.1612	1.30631	0	1	1
Zcchc14_j7	1.06882	1.76997	0	1	1
Fam38a_j4	0.512402	1.25602	1.29351	0.0348997	0.205266
Fam38a_j5	0.0234252	0.0743017	1.66533	0.336971	1
Galns_j6	0.181348	0.66256	1.86929	0.0142985	0.111143
AK032654_j5	0.0636296	0.110425	0.795301	0.453498	1
Sult5a1_j4	0.0281215	0.155761	2.46959	0.233719	1
1300018l17Rik	0.355223	0.228811	-0.634565	0.269974	0.619086
1300018l17Rik_j2	2.1183	3.37908	0.673725	0.0007985	0.011973
Fanca_j2	0	0.0778448	1.79769e+308	0.0048402	1
XLOC_033119	0	0.134164	0	1	1
XLOC_033123	0	0.099762	1.79769e+308	0.0821707	1
1700054N08Rik_j3	0.321291	0.162816	0	1	1
Nup133_j1	1.28865	1.28161	0	1	1
Taf5l_j1	0.421946	0.315458	0	1	1
Pgbd5_j1	7.0485	6.38346	0	1	1
Agt_j2	0	0.139526	0	1	1
Ttc13_j6	1.3185	1.73952	0	1	1
Ttc13_j7	1.46218	1.09992	0	1	1
Sipa1l2_j4	0.405482	0.254341	-0.672875	0.383791	0.71322
Pcnxl2_j1	0.0395992	0.0604066	0	1	1
Tomm20_j3	0.533944	0.258541	0	1	1
Rbm34_j1	0.754098	2.08714	0	1	1
Alkbh8	0.419184	0.0550511	0	1	1
Alkbh8_j5	0.31016	0.0435042	0	1	1
Alkbh8	0.605306	0.410211	0	1	1
Cwf19l2	2.49163	2.0939	0	1	1

Cwf19l2_j2	1.72281	0.932691	0	1	1
Gucy1a2	0.564818	0.524125	-0.107874	0.606264	0.844912
Kbtbd3	1.48581	1.32414	-0.16619	0.343154	0.683042
Kbtbd3_j1	0.104155	0.0465948	-1.16049	0.221742	1
8430410K20Rik	9.13867	8.66484	0	1	1
Casp1	1.15768	1.24779	0	1	1
Casp1_j1	0.980226	1.27436	0	1	1
Casp4_j1	0.071485	0.0272072	-1.39365	0.487234	1
Casp4_j4	0.186964	0.167634	-0.157445	0.870138	0.958679
Casp12	2.01869	1.52631	-0.403375	0.0459332	0.245257
Pdgfd	0.0912431	0.0930408	0.0281476	0.972199	1
Dcun1d5	1.66319	1.58999	-0.064935	0.611731	0.847112
Tmem123	1.81692	2.08708	0	1	1
Tmem123_j1	0.228563	0.412391	0	1	1
Trpc6_j1	2.5362	1.79671	-0.497308	0.0041575	0.0441183
Pgr	0.970537	0.704289	-0.462615	0.0079416	0.0721859
Gm16485	0.630317	0.495159	-0.348185	0.136204	0.45922
XLOC_034135	0.204249	0 -1.79769e+308		0.012488	0.101118
Maml2	0.842026	0.681308	-0.305557	0.1772	0.516404
Mttr2_j1	8.63056	6.7131	0	1	1
Fam76b	1.3437	1.19185	0	1	1
Sesn3	1.91863	1.83312	0	1	1
Sesn3_j2	0.853084	3.34359	0	1	1
Cwc15	44.2663	47.3119	0.0959956	0.335154	0.675781
Cwc15_j2	5.80829	5.78053	-0.00691178	0.978517	0.993756
Mre11a	0.882111	0.715399	0	1	1
Mre11a_j1	0.0797017	0.177533	0	1	1
Gpr83	1.00775	0.646843	-0.639649	0.0169297	0.12535
Gpr83	0.177223	0.067073	-1.40176	0.114446	0.420956
2200002K05Rik	1.15217	0.824387	0	1	1
Fn5	0.947778	1.67208	0.81902	0.0400596	0.224015
BC017612_j1	0.7634	1.0938	0.518834	0.247434	0.594947
BC017612_j3	0.870487	0.612534	-0.507035	0.436044	0.746749
BC017612	1.17607	0.300078	-1.97057	0.0197751	0.139756
Slc36a4	0.561023	0.360443	0	1	1
Slc36a4_j4	2.10108	1.88921	0	1	1
Slc36a4_j5	4.67096	3.18579	0	1	1
Chordc1	7.9891	7.01526	-0.187538	0.0791651	0.341535
Zfp317_j9	1.52557	1.43666	0	1	1
Zfp317_j8	0.730315	1.39297	0	1	1
Zfp317_j10	1.17759	0.671426	0	1	1
Zfp846	0.198538	0.0611032	0	1	1
Zfp846_j2	0.212251	0.140046	0	1	1
Ubl5_j4	49.4559	52.6243	0	1	1
Ubl5_j6	56.7519	63.0431	0	1	1
Pin1	10.735	9.81858	-0.128729	0.184827	0.525128
A230050P20Rik_j1	0.160808	0.165145	0.0383955	0.959176	0.988355

A230050P20Rik	4.08487	3.77521	-0.113734	0.602915	0.843195
Ppan	4.56449	5.42825	0.250033	0.135121	0.457301
Mrpl4	16.5367	17.7586	0	1	1
Icam5_j1	0.319771	0 -1.79769e+308		0.0038086	0.0414262
Pde4a	1.58152	0.833959	-0.923264	0.0001249	0.0025829
Atg4d	4.47938	4.04111	-0.148547	0.179231	0.518846
Slc44a2_j1	5.74042	6.45065	0.168288	0.160871	0.495486
Ilf3	6.37783	6.41566	0	1	1
Ilf3	4.8068	4.87227	0	1	1
Qtrt1	0.58624	0.306353	-0.936296	0.113751	0.419374
Dnm2_j1	1.55017	3.44207	0	1	1
Dnm2_j4	4.52737	3.93404	0	1	1
Dnm2_j7	2.7491	2.24414	0	1	1
AB124611	0.169664	0.262146	0.62769	0.262643	0.611657
Hide1_j1	0.241606	0.112898	-1.09763	0.228317	0.575412
Carm1	15.44	16.9993	0	1	1
Smarca4_j2	0.514149	0.118945	0	1	1
Ldlr	55.9654	66.0661	0.239376	0.0052445	0.0525411
Ccdc159_j3	2.09803	1.96228	0	1	1
Ccdc159_j4	5.0161	6.01193	0	1	1
2310047B19Rik	2.11069	1.85316	-0.187731	0.423179	0.738683
Prkcsh_j1	2.11487	2.38634	0.174232	0.197366	0.540247
Prkcsh	17.8758	21.2087	0.246649	0.0210791	0.14609
Pigyl	11.8269	12.3591	0.0635045	0.660522	0.871208
Zfp809	2.09759	1.65355	0	1	1
9530077C05Rik	6.36456	5.75833	-0.144409	0.279151	0.627839
Bbs9_j4	0.997633	1.41832	0.507607	0.0330874	0.198267
Bbs9_j1	0.210342	0 -1.79769e+308		5.93E-06	0.0001966
Bbs9_j7	0.440785	0.775998	0.81598	0.0366339	0.211661
Bbs9_j9	0.000130116	0.203	10.6075	0.911413	0.972265
Bmper	1.26257	1.14286	0	1	1
Bmper_j1	1.35142	1.43218	0	1	1
Sept7_j4	87.6279	82.3593	-0.0894573	0.299361	0.646208
Eepd1_j1	12.2946	12.2873	0	1	1
Eepd1	32.6653	28.7814	0	1	1
B3gat1_j1	0.145939	0 -1.79769e+308		0.0001903	0.0036803
B3gat1	0.94994	0.603103	-0.655431	0.0146555	0.113052
Thyn1	14.273	15.1373	0.0848184	0.574929	0.828142
Thyn1_j2	5.4171	5.52836	0.0293297	0.898487	0.967622
Igsf9b_j2	0.574602	0.445458	0	1	1
Opcml_j4	0	0.105721 1.79769e+308		0.0017949	1
XLOC_034190	0.193399	0.120718	-0.679942	0.198498	0.541655
Snx19	13.4522	11.6814	0	1	1
Adamts8	1.13138	1.07327	-0.0760711	0.682824	0.881179
Zbtb44	0	0.0792065 1.79769e+308		0.0015735	1
Zbtb44	1.27132	1.09547	-0.214771	0.215643	0.561479
Nfrkb_j1	0.191725	0.259828	0.438521	0.183691	0.524376

Nfrkb_j7	0.310783	0.369125	0.248204	0.44304	0.751132
XLOC_034198	0.26334	0.113349	-1.21616	0.109072	0.410772
Arhgap32_j4	0.499866	0.236879	-1.0774	0.000554	0.008889
Arhgap32	0.179702	0.0205098	-3.13122	0.000952	0.0137445
Ets1_j1	0.612396	0.405199	0	1	1
Ets1	1.40322	1.19755	0	1	1
Kirrel3_j4	3.99376	3.25882	0	1	1
Srpr_j2	1.34583	0	0	1	1
Srpr	12.5276	12.6773	0	1	1
Rpusd4_j1	0.569254	0.575161	0	1	1
Cdon_j3	0.275566	0.172041	-0.679646	0.221488	0.568639
Pate2_j3	0.210717	0.132476	-0.669577	0.386927	0.714832
Fez1_j1	0.378656	0	0	1	1
Fez1_j3	1.27452	1.48993	0	1	1
Fez1_j8	22.6148	16.427	0	1	1
Tmem218_j2	5.21198	4.2015	-0.310925	0.0317491	0.192954
Hepacam_j1	0.115009	0	-1.79769e+308	0.0005049	1
Hepacam	1.26273	1.45101	0.20051	0.328779	0.671184
Robo4_j3	0.101566	0	-1.79769e+308	0.0009183	1
Robo4	0.992525	0.349959	-1.50392	2.59E-05	0.0006841
XLOC_034217	0.0723587	0.098635	0.446934	0.601648	1
BC024479_j2	0.243527	0.209515	-0.21703	0.565549	0.8239
BC024479_j6	1.13544	0.754506	-0.589647	0.130103	0.449122
Esam_j3	0.142507	0.0316231	-2.17199	0.0113756	0.0943363
Esam_j4	0.703861	0.772586	0.134405	0.787194	0.929019
Esam_j7	7.93073	8.19371	0.0470635	0.739336	0.908509
Siae	0.685388	0.587544	-0.222224	0.272123	0.620886
Vwa5a_j5	39.5017	36.3654	-0.119347	0.230028	0.577072
Zfp202_j3	0.124506	0	-1.79769e+308	0.0003804	1
Zfp202_j5	0.172069	0.194198	0.174537	0.769663	0.921491
Scn3b_j2	5.59166	4.79302	0	1	1
Scn3b	3.07582	2.24168	0	1	1
9030425E11Rik_j2	2.53225	1.92267	-0.397312	0.270905	0.620012
XLOC_034229	0.164332	0.12984	-0.339873	0.664218	0.87286
XLOC_034229	0.117962	0.173648	0.557849	0.414701	0.732864
AK014147_j3	0.123572	0.02783	-2.15063	0.0620796	1
2610203C20Rik	3.18667	3.15803	-0.0130246	0.942711	0.982647
XLOC_034230	0.313219	0.159951	-0.969546	0.0525276	0.266239
XLOC_034230	0.156712	0.0479732	-1.70781	0.0623318	0.295579
XLOC_034235	0.221594	0.118794	-0.899461	0.0664915	0.30809
XLOC_034236	0.0881798	0.0245985	-1.84188	0.347055	1
Pvrl1	3.76772	3.91337	0	1	1
XLOC_034240	0.186636	0.0938872	-0.991225	0.16968	0.506699
Thy1	143.023	187.632	0	1	1
Usp2	1.31934	1.08432	0	1	1
C1qtnf5	1.25777	1.02134	-0.300407	0.352796	0.689574
C1qtnf5	4.11396	4.13566	0.00758986	0.970167	0.991582

AK134203_j1	6.53216	7.10361	0	1	1
Mcam_j4	10.0752	10.0811	0	1	1
Dpagt1	10.0252	10.1511	0.0180033	0.85991	0.955708
Hyou1	12.6587	13.1607	0.056114	0.58661	0.834523
Slc37a4_j1	4.20031	3.93667	-0.093519	0.645372	0.863342
Rps25_j1	0.494242	0.521464	0	1	1
Gm9830	21.1247	18.1299	-0.220561	0.0558462	0.276193
AK078316	0.253176	0.206051	-0.297135	0.492563	0.781115
AK078316_j2	0.830435	0.437107	-0.925879	0.167857	0.50444
Bcl9l_j2	0.673097	0.81421	0	1	1
Bcl9l	0.418441	0.357909	0	1	1
Ddx6	1.77059	0.715813	-1.30658	1.28E-07	6.70E-06
Ift46_j4	0.981384	0.720003	0	1	1
Ift46_j6	4.96296	6.97612	0	1	1
Mpzl3	2.8103	2.55219	-0.138987	0.350103	0.687688
Scn4b	0.0773131	0	0	1	1
Scn4b_j6	17.9728	7.8888	0	1	1
BC049352	0.806587	0.420355	-0.940222	0.0002674	0.0048662
Fxyd6	1.58735	1.78467	0	1	1
Fxyd6	2.67876	2.87224	0	1	1
Fxyd6_j2	2.79869	0.548183	0	1	1
Fxyd2	478.236	423.516	-0.175306	0.0410299	0.227643
Dscaml1_j4	0.0881051	0	-1.79769e+308	0.0070304	1
Sik3_j3	1.21562	0.593727	0	1	1
Sik3	1.80858	1.68776	0	1	1
Sik3_j5	0	0.629701	0	1	1
Zfp259	11.3984	13.9265	0.289007	0.0056815	0.0560207
Bud13	0.333495	0.266132	-0.325524	0.432614	0.744302
2900052N01Rik	1.5327	1.39962	-0.131042	0.420054	0.736553
2900052N01Rik_j5	0.438203	0.199868	-1.13255	0.109432	0.411747
Cadm1	4.6684	4.06635	0	1	1
Cadm1_j4	0.346057	0	0	1	1
Cadm1_j8	5.78646	7.41318	0	1	1
Fam55d_j2	2.18137	2.91155	0.416551	0.012595	0.101765
Usp28_j1	1.17166	1.13959	-0.0400361	0.861001	0.956054
Usp28	1.02454	1.23715	0.272039	0.16013	0.49462
Zw10	3.67465	3.89572	0.0842843	0.59045	0.83664
Tmprss5_j7	1.34335	1.05556	-0.347823	0.27825	0.627143
Drd2_j1	0.116589	0.129598	0.152608	0.854102	1
Drd2	0.231752	0.108021	-1.10126	0.15737	0.491377
Drd2_j8	0.24909	0.218947	-0.186084	0.749679	0.913026
1600029D21Rik_j1	0.163215	0.175688	0.106241	0.885464	0.963679
Ii18_j1	1.59552	2.00221	0.327563	0.221389	0.568571
Cryab	2.47869	2.13381	-0.216147	0.253402	0.601435
Alg9	1.14498	1.21724	0.0882825	0.602378	0.842855
Ppp2r1b	0.590247	1.01885	0.787555	0.0019137	0.0241153
Arhgap20_j2	0.260537	0	0	1	1

Arhgap20	1.21949	0.254201	0	1	1
Rdx	25.8189	24.774	-0.0596052	0.501226	0.785345
Kdelc2	4.16282	3.54586	-0.231426	0.113278	0.418908
Kdelc2_j2	0.755222	0.737713	-0.0338398	0.926895	0.977384
4930550C14Rik	0.200069	0.0340321	-2.55553	0.13225	0.452557
Slc35f2_j1	0.0987044	0.0486421	0	1	1
Slc35f2_j5	0.646532	0.047053	0	1	1
Gldn_j1	0.71161	0.297403	-1.25866	0.0008759	0.0128557
Gldn	1.52974	2.8426	0.893921	4.86E-09	3.62E-07
Idh3a	26.7549	25.1467	0	1	1
Idh3a_j1	12.3865	8.39437	0	1	1
Dnaja4	14.8346	12.9211	0	1	1
Crabp1	4.47955	3.84241	-0.221343	0.289686	0.637033
Ireb2_j1	0.315841	0.071391	0	1	1
Agphd1	0.477465	0.246239	-0.955338	0.0088456	0.0782138
Agphd1_j3	0.334871	0.558901	0.738989	0.0213363	0.147266
Psm4	27.5217	28.6214	0.056523	0.608241	0.84562
Psm4_j7	1.63396	1.55386	-0.0725119	0.846967	0.951557
Ube2q2_j3	0.381012	0.198101	-0.943601	0.123877	0.438501
Ube2q2_j4	0.667244	0.0701714	-3.24926	0.0308493	0.189256
Fbxo22	5.16257	4.34117	-0.250004	0.0840394	0.353682
Al118078_j2	0.496908	0.071233	-2.80236	0.0012584	0.0171859
Isl2	7.79139	6.2179	-0.325453	0.000969	0.0139384
XLOC_034312	0.889405	0.472417	-0.91278	0.181223	0.521107
Rcn2	22.0587	20.4412	-0.109865	0.300672	0.647263
Pstpip1	2.32024	2.25856	-0.0388681	0.859165	0.955489
Pstpip1_j1	4.50408	4.00582	-0.169135	0.412867	0.731852
Hmg20a	10.5008	9.81572	-0.0973298	0.370001	0.703535
Cspg4	1.39689	1.57476	0.17291	0.215523	0.561474
Snupn	1.16444	1.1145	-0.0632377	0.741638	0.90937
Ptpn9	4.51492	3.76095	0	1	1
Sin3a_j1	0.518138	0.385566	0	1	1
Sin3a	0.340993	0.14945	0	1	1
Man2c1_j5	1.20795	0.875682	0	1	1
Man2c1_j9	10.4656	11.3305	0	1	1
Gm6166	108.304	147.783	0.448395	9.46E-07	3.95E-05
Cox5a_j1	110.471	110.793	0	1	1
Cox5a_j2	0.480663	0.160387	0	1	1
2310046O06Rik_j1	3.5453	3.74253	0	1	1
Scamp2	8.81893	9.5662	0.117344	0.331528	0.673024
Ulk3	4.36397	4.21985	-0.0484512	0.728195	0.903669
Ulk3_j3	0.504007	0.539547	0.0983062	0.798289	0.933029
Ulk3_j4	1.42455	1.39827	-0.0268581	0.937299	0.980746
Ubl7	1.99723	2.87636	0.526245	0.0909964	0.370936
Ubl7_j1	0.0511901	0	-1.79769e+308	0.128227	1
Ubl7_j2	3.55211	4.06441	0.194369	0.419995	0.736529
Ubl7_j4	1.72666	0.988171	-0.805153	0.0639588	0.30009

Sema7a_j1	27.0908	14.9425	-0.858385	0	0
1600029O15Rik	0.0919362	0.102929	0.162945	0.848985	1
Stoml1	52.3588	56.3701	0.106496	0.24039	0.587785
6030419C18Rik	45.3033	37.4802	-0.273486	0.0020348	0.0253133
Nptn_j1	18.0099	2.82852	0	1	1
Nptn_j4	98.6325	73.7408	0	1	1
Nptn_j3	26.3844	31.4742	0	1	1
Hcn4	1.39948	1.29425	0	1	1
Adpgk	1.35378	0.283925	-2.25341	5.19E-06	0.0001748
Adpgk	4.72538	5.99746	0.343923	0.0194391	0.138224
Hexa	15.0462	15.5648	0	1	1
Hexa_j3	14.0408	18.7055	0	1	1
Celf6	15.7281	15.3081	-0.0390473	0.711069	0.894971
Parp6	15.5631	15.6437	0	1	1
Parp6_j1	12.0707	15.887	0	1	1
Pkm2_j7	67.7207	64.8232	0	1	1
Pkm2_j8	373.887	390.211	0	1	1
Gramd2_j1	1.3195	1.03183	0	1	1
Myo9a_j1	0.815107	0.886752	0	1	1
Larp6	5.22869	4.71103	-0.150407	0.309979	0.654546
Uaca	2.25716	2.10414	0	1	1
Uaca_j4	3.33567	2.56381	0	1	1
Uaca_j5	0.0660512	0	0	1	1
Uaca_j12	0.155848	0.166877	0	1	1
Tle3_j6	1.71266	1.86248	0	1	1
Tle3_j9	0.929313	0.853577	0	1	1
Tle3_j10	0.40591	0.392376	0	1	1
XLOC_034355	0.206266	4.19E-06	-15.586	0.995357	0.998726
Anp32a	7.45091	8.07364	0	1	1
Anp32a_j3	4.4957	5.64626	0	1	1
Itga11	0.326873	0.292089	-0.16232	0.610526	0.846532
Cln6	9.81402	8.49665	-0.20795	0.10261	0.396864
Calml4	7.62533	7.35754	-0.0515774	0.752888	0.914617
Aagab_j1	1.58772	0.909036	-0.804544	0.0001764	0.0034626
Rpl4	37.6448	36.0263	0	1	1
Snopc5	21.8897	19.0579	-0.199864	0.118259	0.428203
Tipin_j1	0.672676	0.855221	0	1	1
Tipin	1.18855	0.838997	0	1	1
Dennd4a_j3	6.14347	6.28951	0	1	1
2010321M09Rik	0.538364	0.47154	0	1	1
Dpp8	9.74133	7.35394	0	1	1
Dpp8_j1	28.1482	27.2938	0	1	1
Igdcc4	0.825261	0.280312	0	1	1
Igdcc4	0.583932	0.162623	0	1	1
Igdcc4_j7	1.70616	1.36793	0	1	1
Igdcc3_j4	0.214114	0	-1.79769e+308	0.0037841	0.0412514
Igdcc3_j5	0.0894558	0.0426044	-1.07017	0.331352	1

Parp16_j1	0.278411	0.00223993	-6.95762	0.288988	0.63673
Parp16	1.03487	1.73131	0.742414	0.0016022	0.0208645
Cilp	0.527616	0.190198	-1.47198	0.00031	0.0054898
Clpx	6.86392	4.89647	0	1	1
Clpx	4.1199	6.08074	0	1	1
Pdcd7	6.29736	5.61405	-0.165706	0.232331	0.57939
Gm514_j1	0.346705	0.383446	0.145314	0.656907	0.869093
Gm514_j6	0.258459	0.29348	0.183326	0.699017	0.889085
Gm514_j7	0.308183	0.323379	0.0694373	0.880537	0.961981
Rasl12	0.962736	1.24765	0.374004	0.148401	0.477304
Rasl12_j2	0.449161	0.276732	-0.698746	0.210372	0.554929
Mtfmt	0.257261	0.180023	-0.515053	0.177515	0.516863
Oaz2-ps_j1	87.8622	97.1652	0.145198	0.0939502	0.377669
Csnk1g1_j1	0.505374	0.372096	-0.441676	0.146703	0.475075
Csnk1g1_j11	4.3046	4.25015	-0.018367	0.88225	0.962629
Ppib	93.6216	103.302	0	1	1
Dapk2	3.14968	2.5541	-0.302394	0.0378255	0.215882
Herc1_j3	2.19318	1.83286	0	1	1
Herc1_j9	20.185	19.443	0	1	1
Car12	0.164049	0.198532	0.275247	0.548031	0.813978
Car12_j1	0.13544	0.0879838	-0.622342	0.416979	1
Rps27l	10.4483	11.6345	0.155145	0.402215	0.725446
Vps13c_j2	0.362627	0.15714	-1.20644	0.0001325	0.0027158
Vps13c_j5	1.60118	1.88686	0.236854	0.0630492	0.297504
Rora	1.436	1.14815	-0.322747	0.0234256	0.156951
Narg2_j3	0.224705	0.0593079	-1.92173	0.0229401	0.154827
Narg2	0.345969	6.76E-05	-12.3212	0.879847	0.961539
Narg2_j2	0.18792	0.149487	-0.330097	0.581074	0.832041
Anxa2	515.772	617.402	0	1	1
Anxa2_j1	168.124	278.793	0	1	1
Bnip2	2.71523	2.73225	0.00901719	0.949267	0.985343
Bnip2_j3	1.15991	1.09895	-0.0778963	0.786292	0.92855
Gtf2a2	2.0408	1.58495	-0.364702	0.27028	0.619522
Myo1e	22.2595	17.4492	-0.351262	0.0001325	0.0027158
Myo1e_j1	1.62843	0.49093	-1.72989	1.17E-07	6.15E-06
Sltm	1.47142	1.33708	0	1	1
Sltm_j3	0.847777	0.897515	0	1	1
Sltm_j4	7.16542	7.52876	0	1	1
Adam10	1.43663	1.39494	0	1	1
Gm3436	15.1002	15.3917	0.0275925	0.800049	0.933295
Zfp280d	0.467903	0.349572	-0.420618	0.325993	0.669299
Zfp280d	2.26939	2.43966	0.104376	0.531888	0.80382
Mns1_j1	0.440987	0.459387	0.0589761	0.857263	0.954789
Rfx7_j1	0.164522	0.231639	0.4936	0.184784	0.525127
Rfx7	0.226798	0.228144	0.00853338	0.981298	0.994152
Nedd4_j3	0.0581039	0	0	1	1
Nedd4_j1	0.0636851	0.0361444	0	1	1

Nedd4_j6	4.67821	1.65175	0	1	1
Pygo1	1.17129	0.710574	-0.721045	6.42E-05	0.0014759
Dyx1c1	0.162263	0.108029	-0.586916	0.482059	0.775384
Ccpg1_j4	5.97609	6.18035	0	1	1
Rab27a	2.56144	2.28227	0	1	1
Rab27a_j3	0.461385	0.077317	0	1	1
Rsl24d1_j2	0.0958391	0.117966	0.299681	0.779565	1
Wdr72_j1	1.23329	0.511196	-1.27056	1.39E-05	0.0004098
Onecut1	4.45138	1.43447	0	1	1
Onecut1	0.986749	0.471326	-1.06596	5.77E-06	0.0001915
BC031353_j2	0.573121	0.343306	0	1	1
BC031353_j3	0.303586	0.028827	0	1	1
Arpp19	0.541879	0.499513	0	1	1
Myo5a_j1	21.1372	18.5631	0	1	1
Myo5a_j3	10.0042	9.76303	0	1	1
Gnb5	0.867902	0 -1.79769e+308		1.79E-10	1.72E-08
Gnb5	38.2043	36.3612	-0.0713382	0.450375	0.756119
Leo1	2.19827	2.39795	0.125429	0.529156	0.802396
XLOC_034422	0.106908	0.385016	1.84855	0.0040289	0.0431197
Lysmd2	9.41582	7.79236	0	1	1
Bmp5	0.784419	0.747946	-0.068691	0.785445	0.928169
Hmgcl1_j1	0.17596	0.206789	0	1	1
Hmgcl1	1.87353	1.60583	0	1	1
Gclc	9.66407	7.31828	0	1	1
Elovl5	76.3754	65.9922	-0.210812	0.0151139	0.115491
Elovl5_j5	2.88022	7.44458	1.37001	1.31E-14	2.46E-12
Ick	2.64959	2.62931	0	1	1
AK050586_j5	0.374238	0.312726	-0.259055	0.676456	0.878288
AK050586_j8	0.314007	0.10502	-1.58013	0.0684926	0.313436
Gsta4	9.13908	8.36122	-0.128336	0.405277	0.726998
Gsta4_j1	4.52905	3.26736	-0.471082	0.200244	0.543512
Mto1	3.80981	3.5542	-0.100195	0.542845	0.810532
Cd109_j1	0.298555	0.142675	0	1	1
Cd109	0.894963	1.20727	0	1	1
Senp6_j8	3.05736	3.38412	0	1	1
Myo6_j4	0.287363	0.330701	0.202651	0.527394	0.801552
Myo6_j1	0.0533148	0 -1.79769e+308		0.0004412	1
Myo6_j11	0.243753	0.424305	0.799682	0.046207	0.246429
XLOC_034442	0.282076	0.164029	-0.78213	0.0633401	0.298501
AK082555	0.605614	0.926942	0	1	1
AK052495	0.544744	0.907552	0	1	1
AK052495_j1	0.443529	0.382906	0	1	1
Mei4_j2	0.0880578	5.86E-06	-13.8757	0.99678	1
Irak1bp1	1.99582	1.86223	-0.0999558	0.649643	0.865404
Irak1bp1_j1	0.749808	0 -1.79769e+308		2.32E-07	1.13E-05
Sh3bgrl2	9.38979	7.39144	-0.345237	0.0008445	0.0125117
Bckdhb	7.53881	5.82194	0	1	1

Dopey1_j2	3.00136	2.9184	0	1	1
Dopey1_j1	1.22118	0.744215	0	1	1
Rwdd2a	1.43372	0.936375	-0.614609	0.0430898	0.235421
Rwdd2a	0.645411	0.625339	-0.0455785	0.910007	0.971581
Prss35_j1	12.5387	12.3686	-0.0197102	0.860263	0.955778
Cyb5r4_j7	0.737126	0.34276	-1.10471	0.148485	0.477336
XLOC_034460	0.0602396	0.0605534	0.00749472	0.995887	1
Mrap2	0.672691	0.391336	-0.781538	0.0943445	0.378567
Mrap2	0.643233	0.180802	-1.83093	0.0036205	0.0400049
XLOC_034461	0.132427	0.0721119	-0.876891	0.319003	1
Nt5e	5.87161	4.59504	-0.353678	0.0087704	0.0777037
Zfp949	1.84022	1.55057	0	1	1
Bcl2a1b	0.841211	1.80727	1.10327	0.0004989	0.0081286
Mthfs	1.4505	1.83895	0.342328	0.339984	0.680094
Mthfs_j2	0.0958093	0 -1.79769e+308		0.106686	1
Rasgrf1_j4	1.19346	0.843613	0	1	1
Rasgrf1_j3	1.39224	0.918965	0	1	1
Ctsh	1.30703	2.16949	0.731065	0.0043735	0.0459107
Adamts7_j2	0.302234	0.178937	-0.756212	0.0748256	0.330017
Plscr2	3.00592	2.91059	-0.0464964	0.820969	0.942071
Plscr4	2.28808	2.40709	0.0731557	0.69148	0.885712
Plod2	0.236705	0.169817	-0.479114	0.195861	0.538405
Slc9a9_j1	29.1799	26.2139	0	1	1
Slc9a9_j2	21.19	17.1084	0	1	1
Pcolce2_j1	0.744288	0.647693	-0.20055	0.328505	0.671065
Atr_j1	0.579111	0.420428	-0.461981	0.0869506	0.360474
Xrn1_j6	0.22387	0	0	1	1
Gk5_j1	0.0725111	0 -1.79769e+308		0.0001342	1
Gk5_j6	0.264735	0.254201	-0.0585799	0.873295	0.959842
Tfdp2_j10	0.000713474	0.324692	0	1	1
Tfdp2_j11	0.704177	0.445383	0	1	1
AK089981_j3	0.220204	0.43948	0.996953	0.0225973	0.153384
Gm10123	1585.08	1751.97	0.144426	0.132308	0.452583
Rbp1	6.70206	7.72175	0.204324	0.236911	0.583799
Copb2	0.700291	0.773349	0.143165	0.634829	0.858251
Faim	13.2327	13.7351	0.0537519	0.697193	0.888506
Faim	1.87865	2.28018	0.279451	0.407651	0.728185
Cep70	1.11745	1.31314	0.232816	0.390907	0.717624
Cep70_j2	0.534785	0.450658	-0.246927	0.546524	0.813004
Cep70_j1	1.0951	0.817075	-0.422528	0.156152	0.489534
Dbr1	1.68627	1.54293	-0.128163	0.547707	0.813819
Dzip1l_j2	0.114374	0.0989762	-0.208607	0.742554	1
Dzip1l_j12	0.290071	0.17233	-0.751236	0.224842	0.572013
Stag1_j1	0.434527	0.412024	0	1	1
Stag1_j2	1.36433	1.14861	0	1	1
Stag1_j4	1.25656	1.99125	0	1	1
Msl2	2.38778	2.34691	0	1	1

Ky	0.0910351	0.0547806	-0.732758	0.348657	1
Anapc13	1.36027	1.39685	0	1	1
Amotl2	1.64517	1.94755	0	1	1
Amotl2_j1	1.19774	1.63338	0	1	1
Ryk	1.20766	1.22167	0	1	1
Ryk	2.71805	2.74266	0	1	1
Slco2a1_j4	0.122831	0.0411531	-1.5776	0.128689	1
XLOC_034514	0.225488	0.165292	0	1	1
Rab6b	97.8847	74.7834	0	1	1
Rab6b_j2	0.223105	0	0	1	1
Topbp1	2.59768	2.9842	0.200122	0.144642	0.471991
Topbp1_j2	2.75531	3.00893	0.127039	0.652984	0.867224
Nphp3_j1	0.398901	0.396867	-0.00737397	0.980014	0.994006
Nphp3_j2	0.38123	0.301698	-0.337559	0.307532	0.652546
Nphp3_j8	0.357208	0.293817	-0.281845	0.560976	0.82146
Acad11	2.26911	2.02909	-0.161296	0.222531	0.56956
Cpne4_j3	1.70635	0.97994	0	1	1
Cpne4_j4	0.617452	0	0	1	1
Mrpl3	16.4563	14.6492	-0.167815	0.189817	0.531646
Pik3r4_j1	5.81606	5.44603	0	1	1
Pik3r4	5.03382	4.01706	0	1	1
Wdr82	7.41624	7.61039	0	1	1
Twf2	13.8368	20.6949	0.580765	1.69E-07	8.51E-06
Poc1a	0.406595	0.297171	-0.452301	0.364979	0.698835
Dusp7	6.17016	7.36008	0.254412	0.0330913	0.198267
Rpl29_j2	1.37534	1.30437	-0.0764332	0.882153	0.962591
Pcbp4_j4	0.814939	0.782335	0	1	1
Rrp9	5.08863	5.23044	0.0396529	0.802246	0.934265
Rrp9_j2	2.16815	3.09839	0.515054	0.0923932	0.37398
Vprbp_j2	2.48162	2.29147	0	1	1
Cish	5.49175	6.76203	0.30019	0.0279675	0.177379
6430571L13Rik	5.23826	2.87713	-0.864455	1.26E-08	8.65E-07
Cacna2d2	1.09693	0.961372	0	1	1
Cacna2d2_j7	0.826072	2.30504	0	1	1
Tmem115	12.7003	13.3508	0.0720712	0.495954	0.783002
Nprl2	11.597	11.9796	0.0468242	0.736349	0.907153
Rassf1_j1	2.07694	2.26575	0.125527	0.662328	0.871966
Rassf1	4.57191	5.54688	0.278881	0.0984211	0.387897
Tusc2	59.8745	57.6805	-0.0538576	0.54379	0.811058
Hyal2	1.41208	1.60222	0.182256	0.475438	0.77138
Ifrd2_j1	0.560897	0.522454	-0.102429	0.809896	0.937853
Ifrd2	0.830417	1.14151	0.459037	0.11306	0.418521
Mon1a	12.3529	13.1867	0.0942301	0.403895	0.72656
Mst1r_j1	0.280526	0.105517	-1.41066	0.030697	0.188606
Mst1r_j3	0.448042	0.319081	-0.489713	0.175818	0.514341
Mst1r_j2	0.0501395	0	-1.79769e+308	0.0133422	1
Mst1r_j9	1.2757	1.36244	0.0948993	0.779572	0.925607

Traip	0.329996	0.143629	-1.2001	0.0443916	0.240351
Uba7_j4	0.400612	0.751503	0.907573	0.0092109	0.0806249
Uba7_j3	0.0619625	0 -1.79769e+308		0.0091544	1
Ip6k1_j1	0.160821	0.121975	-0.398873	0.406783	0.727764
Ip6k1	27.634	24.1821	0	1	1
Gmppb	1.39624	1.16694	0	1	1
Gmppb_j3	0.12964	0.241848	0	1	1
Amt_j1	9.94726	10.9316	0	1	1
Rhoa	29.1069	34.9203	0	1	1
Gpx1	39.1932	42.7936	0.126791	0.190064	0.531884
Usp4_j1	5.73572	4.89615	-0.228327	0.160636	0.495357
Usp4_j2	7.88764	8.75362	0.150286	0.146191	0.474483
Ccdc71	5.45745	6.19429	0	1	1
Lamb2_j7	0.606183	0.000566376	0	1	1
Lamb2_j8	5.27738	7.17214	0	1	1
Usp19_j6	0.168155	0.153193	0	1	1
Qars_j4	8.87626	9.6568	0	1	1
Qrich1_j3	13.2428	12.6249	0	1	1
Impdh2_j2	0.0148918	0.0587873	0	1	1
Slc25a20	11.212	13.1923	0.234659	0.0428487	0.234446
Prkar2a	21.9018	17.9624	0	1	1
Ip6k2_j2	16.1107	17.114	0	1	1
Nckipsd	15.6351	16.0289	0.0358886	0.729339	0.904065
Nckipsd_j5	8.16238	8.67319	0.0875728	0.622437	0.852322
Celsr3_j3	0.761291	0.540822	0	1	1
Celsr3_j15	1.56489	1.29345	0	1	1
Slc26a6_j8	0.456313	0.314901	-0.535125	0.314109	0.658333
Uqcrc1	56.1827	53.6716	0	1	1
Uqcrc1_j1	90.0292	98.4117	0	1	1
Col7a1_j2	0.228085	0.0903644	-1.33574	0.0060406	0.0588586
Col7a1_j10	0.891439	2.0086	1.17198	0.0062669	0.0606156
Pfkfb4	5.09757	7.2457	0.507315	8.11E-06	0.0002576
Shisa5	6.15936	7.2911	0.243357	0.2303	0.577332
Shisa5	0.371379	0.465397	0.32557	0.167582	0.504088
Shisa5	0.610299	0.597787	-0.0298845	0.884921	0.963475
Ccdc51	0.368367	0.43427	0	1	1
Nme6	0.266192	0.397817	0.579639	0.118533	0.428543
Nme6_j3	0.210695	0.206599	-0.028328	0.977798	0.993579
Cdc25a_j1	0.307209	0.180117	0	1	1
Cdc25a	1.64403	1.37506	0	1	1
Mtap4	41.9858	38.5723	0	1	1
Mtap4_j5	17.3092	19.0949	0	1	1
Cspg5	3.07421	2.79038	-0.139757	0.446715	0.753504
2610002I17Rik	4.80212	5.43337	0.178175	0.224328	0.571479
Scap_j1	1.11924	0.646199	0	1	1
Ngp	1.65779	0.775158	-1.0967	0.0002663	0.0048534
Kif9_j8	8.93E-05	0.139504	10.6101	0.870957	1

Kif9_j9	0.158577	0	-1.79769e+308	0.0001762	0.0034613
Setd2	3.94278	3.97753	0.0126606	0.908619	0.971192
Ccdc12_j4	2.568	4.72433	0.879465	0.0073596	0.0683622
Als2cl_j2	0.0672502	0.0539661	-0.317486	0.680543	1
Als2cl_j1	0.0691663	0.00705325	-3.29371	0.0724257	1
Als2cl_j10	0.0635146	0.0225315	-1.49514	0.246023	1
Lrrfip2_j2	1.74546	1.73646	0	1	1
Lrrfip2_j1	8.57388	8.88973	0	1	1
Epm2aip1	23.873	21.4129	-0.156903	0.0708455	0.319947
Trank1_j1	0.0722257	0.0386984	-0.90024	0.24321	1
Dclk3	8.96641	8.71381	-0.0412262	0.709248	0.894136
Dclk3_j1	3.91304	2.07909	-0.912338	0.0013372	0.0180544
2900079G21Rik	3.65699	3.00835	-0.281684	0.149143	0.478226
Clasp2_j8	31.2451	32.2733	0	1	1
Ubp1_j1	11.6532	12.9415	0	1	1
Glb1	4.8069	3.85422	-0.318666	0.0634705	0.298841
XLOC_034595	0.249205	0.162913	-0.613232	0.122418	0.43555
Dync1li1	30.0148	27.88	-0.106445	0.263281	0.612179
Cmtm6	7.158	6.0047	0	1	1
Osbpl10_j1	0.26169	0.136227	0	1	1
Osbpl10_j4	4.48122	0.00335086	0	1	1
Osbpl10_j8	0.730186	0	0	1	1
XLOC_034599	0.134917	0.0132494	-3.34807	0.222081	1
XLOC_034601	0.129257	0.179416	0	1	1
XLOC_034601	0.165246	0.0355208	0	1	1
XLOC_034603	0.137123	0	0	1	1
Azi2	2.87313	2.89123	0	1	1
XLOC_034607	0.109823	0.104996	-0.0648546	0.935719	1
Golga4_j2	0.104299	0.12747	0.289425	0.565921	1
Golga4_j1	0.185938	0	-1.79769e+308	2.22E-10	2.08E-08
Itga9	0.297824	0.310276	0.0590934	0.847547	0.951788
Ctdspl	1.96054	1.71964	0	1	1
Ctdspl	0.841275	0.685766	0	1	1
Vill_j10	0.0292639	0.0568673	0.958475	0.532871	1
Acaa1a_j3	6.14276	7.86411	0	1	1
Acaa1a_j5	0.113059	0.526247	0	1	1
Xylb	0.358616	0.315026	-0.186971	0.657552	0.869529
Acvr2b_j3	0.0953903	0.0447421	-1.09221	0.355389	1
Exog	0.533712	0.547793	0	1	1
Exog	1.45663	1.57624	0	1	1
Wdr48	2.29168	2.28113	0	1	1
Wdr48_j2	0.278621	0.232376	0	1	1
Ttc21a_j1	0.195591	0.111305	-0.813317	0.302122	0.648272
Ttc21a_j2	0.0767843	0.0646477	-0.248212	0.830314	1
Slc25a38	22.8098	26.677	0.225943	0.0206173	0.143907
Rpsa_j1	0.450004	0.305754	0	1	1
Rpsa_j4	0.188311	0.107445	0	1	1

Myrip	0.920735	0.346155	0	1	1
Eif1b	6.04618	6.85499	0.181131	0.312835	0.657266
Eif1b_j3	6.25312	8.81958	0.496134	0.0997455	0.390957
Entpd3	25.9276	17.4676	0	1	1
Entpd3_j1	17.4092	15.7521	0	1	1
Rpl14_j5	0.37811	0.370871	0	1	1
Ctnnb1	65.4345	58.3126	0	1	1
XLOC_034632	0.112509	0.168975	0.586771	0.584576	0.833464
Trak1_j2	10.6024	8.95057	0	1	1
Trak1_j9	1.9402	2.01545	0	1	1
Trak1_j11	0.205246	0.110014	0	1	1
Trak1_j10	0.143018	0.0364049	0	1	1
XLOC_034635	0.274672	0.273832	-0.00441986	0.992087	0.997582
Deb1_j2	8.33094	8.49015	0.0273106	0.89325	0.966313
Deb1_j1	13.5522	14.8672	0.133602	0.48334	0.775959
Nktr_j2	0.0565939	0 -1.79769e+308		1.62E-05	1
Nktr_j1	0.195713	0.178262	-0.134739	0.685881	0.882922
Kbtbd5	0.150158	0.170907	0.186733	0.714766	0.896683
1700048O20Rik_j1	0.380838	0.507841	0.4152	0.553368	0.817173
1700048O20Rik	0.440098	0.740813	0.751285	0.0511808	0.262111
1700048O20Rik_j2	0.133244	1.88E-05	-12.7949	0.985095	1
Snrk	1.91041	1.2942	0	1	1
Snrk	4.71053	3.45858	0	1	1
Snrk_j2	0.409324	1.67716	0	1	1
Snrk_j6	5.25858	6.66069	0	1	1
Abhd5_j1	0.628815	0.0655117	0	1	1
XLOC_034643	1.14845	1.13473	-0.0173398	0.948919	0.985323
9530059O14Rik_j3	2.07366	1.99733	-0.054107	0.745697	0.911379
D9Ertd402e	1.19838	1.14401	0	1	1
D9Ertd402e_j2	0.395837	0.199434	0	1	1
D9Ertd402e_j3	3.77916	3.43148	0	1	1
Zfp105	1.83715	1.67881	-0.130028	0.52933	0.802396
Zfp105_j2	0.117218	0 -1.79769e+308		0.0058586	1
Kif15_j5	0.0689434	0 -1.79769e+308		0.0334254	1
Kif15_j7	0.0323129	0.0739643	1.19472	0.434255	1
Lars2	185.97	234.446	0.334183	0.0003936	0.006689
Limd1	2.76184	3.24501	0.232593	0.0574671	0.280902
Sacm1l	52.8695	45.8344	-0.206005	0.0173746	0.12774
Ccr2_j1	0.335211	0.950423	0	1	1
Ccr2	0.353989	0.64118	0	1	1
Aasdhppt	0.452055	0.424985	-0.0890863	0.684157	0.881956
Gria4	2.52622	3.22759	0	1	1
Gria4	6.5439	4.42695	0	1	1
Dync2h1_j3	3.64086	3.21641	-0.178828	0.440405	0.749633
Dync2h1_j4	0.192145	0 -1.79769e+308		8.52E-15	1.62E-12
Birc2_j3	3.85972	3.34433	-0.206782	0.193006	0.535377
Yap1_j1	2.70608	2.80509	0	1	1

Yap1	1.23819	1.24415	0	1	1
9230110C19Rik_j1	0.999429	1.15293	0	1	1
9230110C19Rik	4.28211	3.68126	0	1	1
AK129341	0.358354	0.373614	0	1	1
AK129341_j6	0.19675	0.0735764	0	1	1
AK054106_j1	0.243573	0.222646	-0.129601	0.889012	0.964761
Arhgap42_j4	1.24831	0.59917	0	1	1
Arhgap42_j1	0.462759	0.561832	0	1	1
Cntn5_j7	0.291476	0.147019	-0.987372	0.292633	0.639621
Cep57	1.53657	1.44651	0	1	1
Endod1_j1	112.052	90.7426	0	1	1
Endod1	33.0187	22.706	0	1	1
Amotl1	4.44325	4.6484	0	1	1
Fut4	0.577938	0.630812	0.126296	0.578204	0.830224
Ankrd49_j1	1.32793	1.19724	-0.149464	0.629683	0.85615
Ankrd49	4.37509	4.67401	0.0953475	0.54697	0.813296
Panx1_j1	14.4615	16.7188	0	1	1
Panx1_j5	1.01169	0	0	1	1
Panx1	6.39515	7.00498	0	1	1
Med17	2.23486	2.13598	0	1	1
4931406C07Rik	6.44817	6.22327	-0.0512167	0.686596	0.883287
5830418K08Rik_j6	0.701527	0.763773	0.122645	0.592789	0.8379
Ccdc67_j1	0.129588	0.0495423	-1.3872	0.181008	1
Fat3_j3	0.171171	0.114464	0	1	1
Fat3_j8	0.106901	0.0441851	0	1	1
Fat3_j7	0.223989	0.0638114	0	1	1
Zfp558_j7	0.0839098	0 -1.79769e+308	0.0024766		1
Zfp558_j5	0.0893578	0 -1.79769e+308	0.0018903		1
Zfp558_j6	0.0916161	0 -1.79769e+308	0.0016326		1
Zfp560_j4	4.84581	5.23576	0.111661	0.531854	0.803818
Zfp26_j3	0.286165	0.224239	0	1	1
Zfp426_j7	0.858124	0.534983	0	1	1
Zfp426_j5	2.53224	2.79924	0	1	1
Olfm2_j1	2.14116	1.56222	-0.454789	0.0039216	0.0422961
Col5a3_j4	15.8118	35.6126	0	1	1
Col5a3_j7	0.10427	0.291051	0	1	1
Col5a3_j6	0.642793	0	0	1	1
Col5a3_j5	1.9383	0	0	1	1
Angptl6_j4	5.10017	5.35443	0.0701862	0.73174	0.905137
Eif3g	58.5752	66.8362	0.19034	0.040729	0.226536
Dnmt1	1.71604	1.69161	0	1	1
Dnmt1	1.96189	2.27358	0	1	1
S1pr2	0.952748	1.53682	0	1	1
S1pr2_j1	1.40154	1.82843	0	1	1
Raver1_j5	7.26046	8.71467	0.263385	0.208797	0.552841
Raver1_j3	2.09254	2.11573	0.0158986	0.929408	0.978343
Raver1_j2	2.28325	2.5446	0.156349	0.351174	0.688321

Tyk2_j1	2.40837	2.22869	0	1	1
Tyk2	0.795977	0.533581	0	1	1
Tyk2_j4	1.02224	0.589983	0	1	1
Cdc37_j8	0.0600402	0 -1.79769e+308	0.0724698		1
Keap1	12.4985	12.4188	0	1	1
Keap1	3.49978	3.27443	0	1	1
Keap1	5.13184	4.12075	0	1	1
Tmed1	2.61491	2.93499	0	1	1
Yipf2	3.53193	3.47787	0	1	1
Yipf2_j1	2.01089	1.47018	0	1	1
Yipf2	3.31271	3.36849	0	1	1
Spc24	0.275298	0.187594	-0.553386	0.425786	0.740669
Kank2	0.319096	0.462678	0	1	1
Dock6_j3	1.4525	0.772982	0	1	1
Dock6_j4	0.417032	0.35181	0	1	1
Dock6	0.478701	0.112854	0	1	1
Rab3d	39.6758	42.7439	0.10746	0.21387	0.559043
Rgl3_j5	0.182047	0.0310121	-2.55341	0.111442	0.415505
Rgl3_j6	0.345337	0.0723708	-2.25452	0.0072943	0.0680276
Rgl3_j12	0.242372	0 -1.79769e+308	0.0023154	0.0280248	
Ccdc151	0.315997	0.446834	0.499831	0.212634	0.557695
Ccdc151	0.292704	0.118154	-1.30877	0.0715833	0.321711
Elavl3_j2	4.8173	4.65726	-0.0487433	0.69895	0.889085
Elavl3_j4	2.15136	1.88638	-0.18963	0.301554	0.647902
Zfp653_j4	0.000226341	0.682607	11.5583	0.643433	0.862412
Zfp653_j5	0.330354	0.215399	-0.617	0.171174	0.507955
Ecsit_j1	13.7859	14.9308	0.115095	0.384886	0.713573
Elof1	27.6295	34.0364	0.300868	0.0082894	0.0745957
Zfp810_j4	0.236551	0.271154	0	1	1
Anln_j7	0.812791	0.787348	-0.0458835	0.88223	0.962629
Anln_j1	1.15757	0.734491	-0.656279	0.0120986	0.0988019
rp9	11.6596	13.7595	0.238911	0.062239	0.295391
Dpy19l1_j1	4.23918	3.56747	0	1	1
Dpy19l1	2.55676	2.35649	0	1	1
Herpud2	4.64602	4.40281	-0.0775693	0.521833	0.798431
Glb1l2_j3	0.36038	0 -1.79769e+308	2.36E-09	1.85E-07	
Glb1l2	1.67471	0.747541	-1.16369	4.64E-06	0.0001579
Glb1l2_j4	1.24568	0.742764	-0.745957	0.0107465	0.0902403
Acad8_j1	6.55151	7.39659	0.175031	0.248864	0.596364
Acad8	5.57819	5.04841	-0.143967	0.323619	0.666652
Vps26b	15.0991	15.1859	0.00826575	0.925853	0.976962
Jam3	17.5764	18.4656	0.0712046	0.503244	0.78696
Ntm_j1	0.129961	0 -1.79769e+308	0.0003688		1
Ntm	1.19277	0.483534	-1.30262	4.21E-05	0.0010299
Adamts15	0.000220727	0.106735	0	1	1
St14_j2	0.145853	0 -1.79769e+308	0.014543	0.112415	
Ap1p2_j2	31.3974	4.92296	0	1	1

Aplp2_j3	0.438255	0.127598	0	1	1
Aplp2	86.8604	68.748	0	1	1
Tmem45b	18.0014	17.3348	-0.0544374	0.672157	0.87616
Fli1	1.45329	1.45782	0.00449556	0.980703	0.994152
St3gal4_j1	4.00638	4.28399	0	1	1
St3gal4_j2	0.558201	0.566814	0	1	1
Tirap	0.198153	0.273087	0.462743	0.26954	0.618722
Tirap_j4	0.188184	0.000408874	-8.84627	0.459745	0.761615
Foxred1_j1	0.973609	1.62015	0	1	1
Foxred1	5.03698	4.13238	0	1	1
Ddx25	6.13827	5.46482	-0.167659	0.102889	0.397405
Chek1_j5	0.0468636	0.0937101	0.999736	0.363112	1
Chek1	0	0.0560002	1.79769e+308	0.0595116	1
Chek1_j4	0.0719802	0	-1.79769e+308	0.0108074	1
Stt3a	10.3094	10.0694	-0.03398	0.726121	0.902816
Ei24	6.91779	4.88144	0	1	1
Ei24	21.2508	15.5301	0	1	1
Pknox2_j8	0.722765	0.45446	0	1	1
Slc37a2_j1	0.426705	0.370694	-0.203011	0.634941	0.858349
Slc37a2	0.464732	0.421557	-0.14067	0.608006	0.845477
Ccdc15_j4	0.0198393	0.0494203	1.31674	0.608779	1
Ccdc15_j12	0.0562324	0.0403618	-0.478411	0.727484	1
Tbrg1	12.5199	13.1408	0.0698215	0.466224	0.765969
AW551984	0.9763	0.404094	-1.27263	4.84E-05	0.0011618
Gramd1b_j5	0.138388	0	0	1	1
Gramd1b_j6	0.689639	0	0	1	1
Gramd1b_j9	5.0606	3.04913	0	1	1
Gramd1b_j8	3.06493	1.82873	0	1	1
XLOC_034759	0.0706281	0.147	1.0575	0.206704	1
XLOC_034759	0.0955689	0	-1.79769e+308	0.0019753	1
XLOC_034759	0.185103	0.0246437	-2.90904	0.0304773	0.187682
4931429I11Rik_j2	0.126831	0	-1.79769e+308	1.86E-06	1
4931429I11Rik_j3	4.11254	3.24074	-0.343706	0.0382067	0.217268
Ubash3b_j8	0.340882	0.349117	0	1	1
Ubash3b	8.60347	6.26881	0	1	1
Sor1_j2	7.97558	5.83025	0	1	1
Sor1	11.2545	6.94656	0	1	1
Sc5d	25.2194	20.6601	0	1	1
Tecta_j4	0.111944	0.103845	-0.108343	0.847891	1
Tecta_j3	0.235941	0.357955	0.601354	0.0794014	0.342156
Tbcel_j2	6.52728	4.67208	0	1	1
Tbcel	2.25596	1.8269	0	1	1
Grik4_j1	1.54516	0.691559	0	1	1
Grik4	2.15311	2.05947	0	1	1
Arhgef12_j5	13.5738	13.2786	0	1	1
Arhgef12_j7	0.349236	0.258016	0	1	1
Arhgef12	3.63825	2.99688	0	1	1

Tmem136	0.56884	0.72117	0	1	1
Tmem136_j3	0.147389	2.70E-05	0	1	1
Pou2f3_j1	0.204376	0.164541	-0.31278	0.576141	0.828702
Oaf	0.832589	0.899834	0.112055	0.715333	0.897128
XLOC_034776	0.410704	0.528908	0.364918	0.301178	0.647609
XLOC_034776	0.064479	0.122747	0.928791	0.462665	1
Cbl	0.109387	0.0396427	0	1	1
Cbl	0.842054	0.725191	0	1	1
Nlrx1_j3	0.593352	0.619182	0	1	1
Nlrx1_j4	2.42387	1.85018	0	1	1
Nlrx1_j2	0.556473	0.545067	0	1	1
Abcg4_j1	0.190209	0.187314	0	1	1
Abcg4	7.72978	6.36833	0	1	1
Hinfp_j1	0.057285	0	0	1	1
Hinfp_j2	0.168856	0.0444959	0	1	1
Hinfp_j3	0.41017	9.09E-05	0	1	1
C2cd2l_j2	0.148055	0 -1.79769e+308	0.0001522	0.0030553	
C2cd2l	18.0175	19.7783	0.134523	0.159227	0.49392
Hmbs	0.889414	1.0955	0.300666	0.290278	0.637671
Vps11_j3	6.56769	5.4623	0	1	1
Trappc4_j1	34.6685	44.4278	0	1	1
Trappc4	53.6055	56.4399	0	1	1
Phldb1_j3	0.917939	1.10496	0	1	1
Phldb1_j4	1.42593	1.52402	0	1	1
Phldb1_j19	0.287005	0	0	1	1
Arcn1	13.392	12.8238	0	1	1
Tmem25_j6	16.1414	16.9188	0	1	1
Mll1_j1	6.41163	6.16007	0	1	1
Mll1_j5	0.682727	0.65847	0	1	1
Ube4a_j1	1.82714	0.869144	0	1	1
Ube4a_j3	0.074057	0.0831494	0	1	1
Gm10684_j2	0.203517	0.10732	0	1	1
Il10ra	0.542265	0.829998	0.614108	0.0255246	0.166683
Cep164_j4	0.401583	0.0709528	-2.50077	3.75E-06	0.0001319
Pafah1b2	34.4611	33.9131	0	1	1
XLOC_034805	0.129814	0 -1.79769e+308	0.0256484	1	
XLOC_034806	0.215506	0 -1.79769e+308	1.41E-06	5.55E-05	
XLOC_034806	0.138597	0.0701898	-0.981557	0.230813	0.577845
Fam55b_j3	0.544264	0.55997	0.0410409	1	1
Fam55b_j4	0.0552459	0 -1.79769e+308	0.0405411	1	
Rexo2_j1	8.85779	11.613	0.390726	0.0433134	0.236191
Rexo2	70.8063	74.6486	0.0762387	0.412294	0.731382
Rbm7	1.23043	1.3005	0.0799097	0.772048	0.922643
Rbm7	4.8148	4.68943	-0.0380636	0.799345	0.933125
Zbtb16_j1	0.265371	0.36859	0.474006	0.135025	0.457301
Zbtb16_j2	0.179191	0.00902054	-4.31214	0.0078117	0.0713527
Zbtb16	0.0729802	0 -1.79769e+308	8.36E-05	1	

Zbtb16	0.303898	0.217611	-0.481832	0.138782	0.463293
Htr3a_j2	54.3316	39.9392	0	1	1
Htr3a	21.1042	15.006	0	1	1
Htr3b_j1	0.456523	0.0182416	-4.64539	0.0109889	0.0918645
Htr3b	4.81523	3.9766	-0.27607	0.0926633	0.374566
Ttc12_j1	0.568427	0.304264	0	1	1
Ttc12	0.356717	0.923552	0	1	1
Ncam1_j4	1.5542	5.00905	0	1	1
Ncam1_j6	6.52616	8.24105	0	1	1
Ncam1	3.89141	3.32164	0	1	1
Pts_j3	1.90896	1.99864	0	1	1
Pts	8.39121	10.4624	0	1	1
Sdhd	11.0041	8.4647	-0.378508	0.0114267	0.0945674
AU019823_j3	0.35476	0.358556	0.0153551	0.96933	0.991415
Dlat	19.1337	16.6819	0	1	1
1110032A03Rik	0.48529	0.0962775	-2.33358	0.0328593	0.197425
SIK2_j3	0.285783	0.170094	-0.748589	0.0626284	0.296264
Layn_j2	0.112816	0.312917	1.47181	0.0050295	0.0509717
Gm684_j1	0.0638097	0.116883	0.873216	0.514245	1
Gm684	0.24935	0 -1.79769e+308		0.0003348	0.0058496
AK086943_j2	0.20698	0.172971	-0.258961	0.804338	0.935135
AK086943_j3	0.223591	0 -1.79769e+308		0.001909	0.0240802
AK086943_j1	0.185029	0 -1.79769e+308		0.0044836	0.0467784
Fdx1	5.93497	4.70753	-0.33427	0.0615976	0.293296
Gapdh	0.29758	0.161845	-0.878665	0.142187	0.46882
Zc3h12c_j1	1.97239	2.01641	0.0318507	0.89331	0.966325
Zc3h12c_j3	0.30448	0.0690535	-2.14056	0.0001159	0.0024351
AI593442_j2	0.795122	0.902531	0	1	1
AI593442_j1	11.5287	8.00247	0	1	1
XLOC_034836	0.0942861	0.066445	-0.504884	0.60682	1
Ddx10	7.28683	6.88799	-0.0812084	0.505933	0.78857
Atm_j1	0.315576	0.11591	0	1	1
Atm_j2	0.352888	0.463985	0	1	1
Cul5_j2	1.41475	1.27708	-0.147699	0.540017	0.808741
Rab39	3.20383	3.48164	0.119967	0.454903	0.758773
Elmod1	5.82056	6.56238	0.17306	0.209076	0.553253
Tnfaip8l3	1.18861	0.953397	-0.318123	0.15225	0.4837
Dmxl2_j2	0.887846	0.313349	0	1	1
Dmxl2_j7	0.879856	0.00291626	0	1	1
Dmxl2_j6	3.10506	2.23066	0	1	1
Cib2	16.6013	15.3149	-0.116362	0.318573	0.662003
Acsbg1	11.3823	10.7316	0	1	1
Wdr61	6.01159	5.2757	0	1	1
Wdr61	2.20226	2.40352	0	1	1
Chrna3_j1	3.88098	4.23251	0.125093	0.4176	0.734655
Chrna3	0.528012	0.81397	0.624405	0.0016666	0.0215699
Chrn4	0.842064	1.04015	0.304785	0.18454	0.524945

Etfa_j1	22.3204	20.6353	0	1	1
Etfa_j2	0.790836	3.48244	0	1	1
Etfa	16.8513	11.9633	0	1	1
Scaper_j1	0.403628	0.318054	-0.343754	0.149756	0.479467
Tspan3	122.314	115.247	-0.085871	0.316646	0.660102
C230081A13Rik_j3	0.0743713	0	-1.79769e+308	0.0002163	1
Lingo1	8.28572	6.80658	0	1	1
Lingo1_j4	3.96303	0.00146291	0	1	1
Snx33	0.686329	0.762237	0.151339	0.477859	0.77269
Neil1_j8	0.327738	0.276963	-0.242854	0.663745	0.872653
Neil1_j5	0.462663	0.415451	-0.155283	0.75805	0.916747
Neil1	0.418846	0.395598	-0.0823858	0.872552	0.959686
Neil1_j11	0.601361	0.566523	-0.0860954	0.818302	0.941038
Commd4	31.3235	34.4515	0.137321	0.219119	0.565521
1700017B05Rik_j2	0.170031	0.0538856	-1.65783	0.0579105	0.282427
1700017B05Rik_j3	0.0849475	0	-1.79769e+308	0.0012468	1
1700017B05Rik	0.617201	0.988702	0.679795	0.0048604	0.0496527
Scamp5_j1	1.83739	1.84832	0	1	1
Scamp5	12.0827	7.75737	0	1	1
Csk_j3	1.59865	2.04583	0.355836	0.0623723	0.295598
Clk3_j3	0.946521	0	-1.79769e+308	4.37E-22	1.29E-19
Clk3_j2	0	0.0651123	1.79769e+308	0.0214081	1
Clk3	3.23176	2.99461	-0.109953	0.391298	0.717886
Clk3_j10	0.0464248	0.569972	3.61792	0.0030118	0.0345327
Arid3b_j3	1.0186	0.294063	-1.7924	8.77E-07	3.70E-05
Islr	6.0466	8.20789	0.440888	0.0012899	0.0175184
Islr	0.604253	0.600685	-0.00854418	0.982588	0.994692
Islr2	0.460348	0.10632	-2.11432	0.0010205	0.0145269
Islr2_j1	0.174943	0.28443	0.701189	0.181688	0.521867
Islr2	0.445994	0.11992	-1.89496	0.0025615	0.0304205
Pml	0.304765	0.89256	0	1	1
Pml_j3	0.403496	0.0719175	0	1	1
Loxl1	0.96554	0.995229	0.0436931	0.832156	0.945814
2410076I21Rik_j4	0.250889	0.0560196	0	1	1
2410076I21Rik_j5	0.199922	0.300618	0	1	1
Neo1_j3	2.35078	2.47477	0	1	1
Neo1_j4	0.106767	0.0412495	0	1	1
Bbs4_j3	0.850871	0	0	1	1
Bbs4	9.52263	9.15567	0	1	1
Arih1_j4	7.76181	5.71749	0	1	1
Arih1	1.28337	1.11348	0	1	1
Senp8	0.748357	0.508527	0	1	1
Senp8	1.81407	1.92964	0	1	1
Lrrc49_j1	0.0631538	0	-1.79769e+308	0.0031275	1
Lrrc49_j6	5.29541	4.37158	-0.276587	0.18916	0.530721
Rplp1_j1	148.331	183.273	0.305175	0.0019414	0.0244011
Rplp1	19.5238	18.6705	-0.0644723	0.73131	0.904922

Kif23_j5	0.105452	0.0606452	-0.798123	0.248449	1
Paqr5_j2	1.13093	0.907777	-0.317106	0.0731961	0.325768
Glce	7.74593	6.99848	0	1	1
XLOC_034893	0.315382	0.243146	-0.375282	0.602822	0.843195
Coro2b	12.0848	9.47701	0	1	1
Fem1b	18.8878	19.1812	0.0222435	0.799748	0.933125
Pias1_j2	0.36207	8.73E-05	0	1	1
Pias1	3.34316	2.1682	0	1	1
Skor1_j1	0.137888	0.0379696	-1.86058	0.101863	0.395416
Map2k5_j3	1.59809	0 -1.79769e+308		9.12E-07	3.82E-05
Map2k5_j8	0.984183	0.276804	-1.83006	0.0012172	0.0167409
2300009A05Rik	3.20579	2.89133	-0.148944	0.572305	0.827134
Gm6257	4.47078	5.20747	0.220056	0.238259	0.585128
Smad3_j1	0.105525	0 -1.79769e+308		7.17E-05	1
Smad6	0.714343	0.614686	-0.216767	0.41117	0.730583
Map2k1_j2	34.2743	37.6037	0	1	1
Map2k1	1.60715	4.25617	0	1	1
Map2k1_j5	27.9874	30.8439	0	1	1
Dis3l	5.70368	3.35301	0	1	1
Dis3l	2.38631	2.3742	0	1	1
Rab11a	17.3702	18.07	0.056982	0.510066	0.790929
Rab11a_j4	0.280293	0 -1.79769e+308		0.0140381	0.109696
Ptplad1	58.5583	54.7995	0	1	1
Plekho2_j1	1.19026	2.28548	0.941223	6.62E-05	0.0015128
Plekho2	5.55436	8.41431	0.599226	5.64E-07	2.51E-05
Zfp609_j1	0.0733991	0	0	1	1
Zfp609	2.25118	2.16796	0	1	1
Trip4_j5	0.579611	0.779408	0.427294	0.10491	0.402088
Trip4_j6	0.603931	0.151056	-1.9993	1.15E-05	0.0003498
Snx22	0.339896	0.16812	0	1	1
Snx1	26.725	28.2488	0.0799998	0.416015	0.733677
Fbxl22	0.189215	0.195439	0	1	1
Usp3_j5	0.18602	0	0	1	1
Usp3	0.742662	0.712084	0	1	1
Aph1c_j1	0.973813	1.48801	0	1	1
Aph1c	1.20719	0.960526	0	1	1
Lactb	3.67149	4.02865	0.133932	0.436825	0.747343
Lactb	0.658144	0.951803	0.532261	0.167155	0.50345
Tpm1	95.5088	93.7659	-0.0265701	0.756261	0.91596
Tln2_j6	1.44552	0.750122	0	1	1
Tln2_j9	1.12766	0.6272	0	1	1
Tln2_j11	8.41394	6.59829	0	1	1
Tln2_j15	0.735337	0.560731	0	1	1
Tln2_j14	4.63154	3.28015	0	1	1
Fam81a	4.55238	2.5266	0	1	1
Ccnb2_j3	0.0777253	0.141628	0.865652	0.264662	1
Rnf111_j8	3.36216	3.22733	0	1	1

Fam63b	5.34463	4.32259	0	1	1
Grinl1a	47.4468	47.1243	-0.00984179	0.912606	0.972469
Gcom1_j3	0.196061	0.178432	-0.135929	0.812492	0.938633
Gcom1	0.212261	0.173365	-0.292026	0.600362	0.841653
Gcom1_j1	0.10429	0 -1.79769e+308		0.0018838	1
Cgnl1_j5	0.0707017	0.0506936	0	1	1
Cgnl1	4.4161	3.72298	0	1	1
Tcf12_j5	0.129819	0	0	1	1
Tcf12	0.640503	0.52453	0	1	1
Tcf12_j6	0.394574	0.470794	0	1	1
Tcf12_j7	0.295589	0.0278567	0	1	1
Tcf12_j4	1.16378	1.10528	0	1	1
Tex9	0.232817	0.673766	1.53305	3.95E-05	0.0009761
Pigb_j1	1.53683	1.95419	0	1	1
Unc13c_j1	1.7181	1.78244	0	1	1
Unc13c_j2	0.949818	0.947932	0	1	1
Unc13c_j3	0.90915	1.00373	0	1	1
Mapk6_j3	1.57802	2.38721	0	1	1
Mapk6	4.22852	5.19759	0	1	1
Tmod2	3.74863	3.98041	0	1	1
Tmod2	5.22549	4.63962	0	1	1
Scg3	9.47001	9.45109	0	1	1
Scg3	43.0953	37.6167	0	1	1
Hcrtr2	1.75151	1.37852	-0.345477	0.0624991	0.295796
Hcrtr2_j1	0.901335	0.539762	-0.739741	0.203947	0.548098
2310046A06Rik_j2	1.08796	0.925556	-0.233239	0.636004	0.858939
2310046A06Rik_j5	0.703	0.457182	-0.620755	0.388065	0.715611
2310046A06Rik_j6	0.418504	0 -1.79769e+308		3.41E-05	0.000863
2310046A06Rik_j11	1.08963	0.89232	-0.288205	0.68348	0.881549
Lrrc1	0.583359	0.619832	0.0874941	0.788295	0.929506
Lrrc1_j6	0.0661827	0.195236	1.5607	0.0581776	0.2832
Lrrc1_j5	0.183603	0.15632	-0.232087	0.731039	0.904911
Fbxo9_j1	0.414494	0 -1.79769e+308		0.0027421	0.0321277
Fbxo9	8.26157	6.40372	-0.367506	0.004751	0.0488114
7SK	17.962	23.6935	0.399544	0.0237512	0.158523
Ooep	0.682682	0.717258	0.071277	0.810038	0.937853
Eef1a1_j1	22.439	22.0978	-0.0221021	0.848876	0.952186
Eef1a1_j2	1.59006	2.55514	0.684319	0.0125778	0.10166
Slc17a5	8.10213	7.09516	-0.191466	0.11003	0.412815
Cox7a2	0.147019	0.178493	0.27987	0.691284	0.885697
Tmem30a	124.415	111.186	0	1	1
Filip1_j3	1.04032	0.766208	-0.441222	0.0400425	0.223971
Filip1	2.69857	1.77227	-0.606597	0.0004032	0.0068165
Phip_j4	0.187607	0.177077	0	1	1
Phip	0.399738	0.651103	0	1	1
Hmgn3_j1	3.32372	3.4923	0	1	1
Hmgn3	1.3479	0.727077	0	1	1

Hmgn3	0.825278	0.96837	0	1	1
Lca5_j4	0.366846	0.508608	0.471377	0.170596	0.507473
Lca5_j6	0.0478499	0.103905	1.11868	0.205144	1
Lca5_j9	0.305213	0.289741	-0.0750517	0.856763	0.954683
Lca5_j8	0.293148	0 -1.79769e+308		1.17E-09	9.68E-08
Elovl4	25.8853	27.6743	0.0964121	0.295421	0.642035
Fam46a	0.421728	0.524584	0.314861	0.258469	0.607218
Ibtk_j1	2.21632	2.04577	0	1	1
Ibtk_j4	1.15762	1.73505	0	1	1
Ibtk	1.29988	1.20907	0	1	1
Ube2cbp_j4	0.375112	0.563027	0.585883	0.248631	0.596089
Ube2cbp	0.180901	0.218871	0.274887	0.673973	0.877027
Pgm3	3.13877	3.11372	0	1	1
Me1_j2	0.260166	0 -1.79769e+308		0.000825	0.0122722
Me1_j7	0.456941	1.3584	1.57183	0.0065508	0.0625462
Snap91_j4	26.7327	34.1188	0	1	1
Snap91_j10	17.5662	16.7582	0	1	1
4922501C03Rik_j4	0.296172	0.202216	-0.55054	0.302506	0.648495
4922501C03Rik	0.818319	0.966196	0.239653	0.191692	0.533938
4922501C03Rik_j5	0.212639	0.079571	-1.41809	0.0080123	0.0726135
Snx14_j1	11.0399	10.1398	-0.122689	0.243196	0.590533
Syncrip_j3	1.56077	1.05883	0	1	1
Syncrip_j2	0.463463	0.997737	0	1	1
Syncrip_j4	1.11642	0.449134	0	1	1
Syncrip_j6	7.49338	8.16846	0	1	1
100039707	2.54597	2.01064	-0.340564	0.376029	0.708112
Gm2382	0.255736	0.00663796	-5.26777	0.367598	0.701064
AF529169_j4	0.764396	0.709296	0	1	1
AF529169_j5	0.605279	0.273523	0	1	1
AF529169_j3	0.484673	0.248877	0	1	1
Tmed3	11.6937	13.0638	0.159847	0.243875	0.591133
Ankrd34c	0.593995	0.258681	-1.19928	0.0002927	0.0052367
Ankrd34c	0.319157	0.0602781	-2.40456	0.0001847	0.0035925
Morf4l1_j1	34.1508	31.7037	-0.107269	0.284453	0.633101
Tbc1d2b	2.04121	1.72558	-0.242338	0.1296	0.448468
Zic1_j1	0.0905308	0.100874	0.156071	0.887856	1
Zic1	0.578717	0.670929	0.213302	0.522688	0.798994
1190002N15Rik	5.39993	4.21202	0	1	1
Chst2	7.72245	16.305	1.07818	0	0
2610101N10Rik_j3	3.82529	3.94024	0	1	1
Trpc1	1.08842	0.90858	0	1	1
Trpc1	3.10892	2.33279	0	1	1
Pls1_j5	3.35139	1.67406	0	1	1
Pls1_j3	1.94815	0.34363	0	1	1
Atp1b3_j8	0.550365	0.313658	0	1	1
Atp1b3	18.497	6.95342	0	1	1
Rnf7_j2	0.282569	0.777806	1.46081	0.0280958	0.177892

Rnf7_j1	12.8144	12.2229	-0.0681749	0.656346	0.868894
XLOC_034997	0.139615	0.0897222	-0.63792	0.495304	0.78277
Rasa2_j1	2.59858	2.31781	0	1	1
Rasa2	2.96174	2.57658	0	1	1
Zbtb38_j3	2.63381	3.20047	0	1	1
Zbtb38_j4	1.87762	2.36849	0	1	1
Acpl2_j2	0.139681	0.0765352	-0.867941	0.394214	0.719811
Acpl2	0.789877	0.784588	-0.00969291	0.972165	0.991962
Spsb4	3.38705	2.19687	-0.624579	0.0003889	0.006625
Slc25a36_j3	0.131864	0.046047	0	1	1
Slc25a36_j8	1.72746	2.27382	0	1	1
Clstn2	2.53771	2.0924	0	1	1
Mrps22	5.1305	5.4571	0.0890342	0.458191	0.7608
Pik3cb_j2	1.19167	1.18046	0	1	1
Mras_j2	1.36383	0 -1.79769e+308		3.71E-24	1.17E-21
Mras	14.9915	16.4891	0.137372	0.162832	0.498174
Armc8_j1	8.72135	8.75343	0.00529562	0.960301	0.988692
Armc8	0	0.0875193 1.79769e+308		0.007096	1
Armc8_j4	0.164645	0 -1.79769e+308		0.000117	0.0024508
Il20rb_j1	0.0879187	0.0788124	-0.157749	0.896093	1
Nck1_j1	6.74081	4.96717	0	1	1
Nck1	1.2123	1.35398	0	1	1
Tmem22	4.85823	4.6467	-0.0642241	0.742795	0.909993
Pccb	21.3194	20.6181	-0.0482591	0.628034	0.855132
Ppp2r3a	1.99463	1.68133	0	1	1
Ephb1	0.146949	0.0557816	-1.39745	0.0637845	0.299552
Cep63_j2	0.473159	0.527048	0	1	1
Cep63_j1	0.11561	0.0354642	0	1	1
Srprb	16.77	17.5982	0.0695397	0.519057	0.796784
Trf	3.06441	5.08468	0.730547	1.80E-05	0.0005095
Cdv3_j8	2.64357	3.11727	0	1	1
Bfsp2_j1	0.151555	0.168337	0.151514	0.802384	0.934274
Tmem108_j2	0.18207	0	0	1	1
Tmem108	2.66059	1.32189	0	1	1
Uba5	3.28895	2.95759	-0.153206	0.386974	0.714844
Acpp_j1	0.197847	0.131254	0	1	1
Acpp_j2	0.171681	0.399126	0	1	1
Nudt16_j1	6.19553	6.29637	0.0232924	0.903977	0.969335
Nudt16	6.62699	6.85552	0.0489104	0.743164	0.910188
Nek11_j1	0.145393	0.0806918	-0.849465	0.43019	0.743027
Nek11_j2	0.0938764	0.0592203	-0.664671	0.489529	1
Atp2c1	23.6079	24.0214	0.0250511	0.780393	0.925835
Atp2c1	3.53941	3.53856	-0.000345885	0.998226	0.99923
Glyctk_j1	0.473554	0.0969819	-2.28774	0.0003002	0.0053464
Glyctk_j2	0.438592	6.06E-05	-12.8204	0.891852	0.965687
Ppm1m	0.838548	1.11501	0.411089	0.226106	0.573388
Alas1	21.3799	23.237	0.120165	0.225269	0.57244

Acy1_j1	0.180439	0.216533	0.263073	0.735411	0.906746
Parp3_j3	2.08086	3.08702	0	1	1
Parp3	0.0819145	1.69691	0	1	1
Parp3	4.18852	4.86356	0	1	1
Tex264_j1	12.2645	12.5663	0	1	1
Tex264	9.99119	11.2355	0	1	1
Tex264_j3	13.2012	16.5168	0	1	1
Tex264	8.01682	8.62117	0	1	1
Tex264	11.5835	12.7789	0	1	1
Rad54l2_j4	0.124896	0 -1.79769e+308		2.58E-08	1
Rad54l2	1.02945	0.95313	-0.111136	0.54084	0.809067
Manf	26.6862	28.064	0.0726258	0.500187	0.785035
Dock3_j8	1.60543	0.79109	-1.02105	2.37E-07	1.15E-05
Dock3_j7	0.507132	0.479303	-0.0814242	0.755204	0.915526
Dock3_j5	1.84606	1.85548	0.0073447	0.96111	0.988976
Mapkapk3_j5	0.0778615	0.0242093	-1.68535	0.301456	1
Mapkapk3	0.271382	0.399841	0.559103	0.206693	0.551333
Mapkapk3	0.136125	0.107145	-0.34537	0.66942	1
Cyb561d2	1.62215	1.49783	-0.115026	0.642103	0.861957
Sema3b_j3	3.05224	3.01682	-0.0168437	0.914899	0.973452
Gnai2	99.5302	116.628	0	1	1
Sema3f_j5	1.19771	1.10801	0	1	1
Sema3f_j6	0.307188	0	0	1	1
Sema3f_j7	0.743096	0.274264	0	1	1
Sema3f	2.61111	1.48711	0	1	1
Rbm5	14.2932	15.3797	0	1	1
Rbm6	2.74478	2.76009	0.00802906	0.9617	0.989186
Rbm6_j11	0.834744	1.2382	0.568842	0.0744961	0.329143
6230427J02Rik_j2	3.72392	3.34059	-0.156716	0.504741	0.787836
Rnf123_j4	10.55	11.6828	0	1	1
Rnf123_j3	7.78788	5.63235	0	1	1
Apeh_j1	0.113521	0.145701	0.360058	0.669328	1
Bsn	1.08865	1.71503	0.655695	1.16E-06	4.70E-05
Dag1_j3	3.95818	3.21998	0	1	1
Dag1_j1	5.62633	6.8555	0	1	1
Dag1	11.8774	9.81742	0	1	1
Dag1	6.43688	6.07936	0	1	1
Tcta_j1	3.65099	3.58505	0	1	1
Klhdc8b_j5	10.4784	8.06937	0	1	1
P4htm_j2	3.18787	3.20727	0	1	1
Arih2_j5	1.63766	1.57585	0	1	1
Atrip_j11	0.193336	0 -1.79769e+308		4.97E-05	0.0011876
Atrip	0.0668233	0.0129286	-2.36979	0.131417	1
Ccdc72_j4	0	0.245842	0	1	1
Camp	1.28132	0.781393	-0.713506	0.0457264	0.244776
Ptpn23_j4	7.15281	9.27739	0	1	1
Klhl18_j1	0.275335	0.000147122	0	1	1

Klh18	1.13238	0.950265	0	1	1
Klh18	1.71966	1.72857	0	1	1
Nbeal2_j4	0.294531	0.319549	0	1	1
Pth1r_j2	3.56833	2.1929	0	1	1
Pth1r	8.13948	6.48669	0	1	1
Ccrl2_j2	0.238981	0.116726	-1.03377	0.17791	0.517237
Mlh1_j1	1.12513	0.948984	-0.245631	0.58676	0.834589
Mlh1	2.89941	2.26616	-0.355512	0.0673538	0.310363
Stac	3.42397	5.14552	0	1	1
Stac	15.3454	22.5994	0	1	1
Arpp21_j6	1.47965	0.623491	-1.24681	7.49E-05	0.0016777
Arpp21_j8	2.26791	2.04174	-0.151567	0.436733	0.747288
Arpp21_j7	1.35554	1.1106	-0.287525	0.180996	0.520897
Pdcd6ip	32.6715	31.7512	-0.0412196	0.631247	0.8565
Fbxl2_j5	1.46573	1.41265	0	1	1
Crtap	6.0118	6.32369	0.0729689	0.607822	0.845351
Cnot10_j4	0.2644	0.304082	0	1	1
Cnot10_j3	0.366503	0.849081	0	1	1
Cmtm7_j1	2.84308	3.41341	0.263756	0.3587	0.694
Cmtm7	1.07214	1.6633	0.633551	0.04454	0.240823
Cmtm8	1.62519	1.6443	0.0168605	0.944818	0.983636
Gpd1l	16.8106	14.2711	0	1	1
Stt3b_j2	0.32956	1.5483	2.23207	2.49E-08	1.60E-06
Stt3b	9.2162	7.63422	-0.271693	0.0108176	0.0906971
Tgfbr2_j2	1.16454	1.76058	0	1	1
Tgfbr2	0.692284	0.521289	0	1	1
Tgfbr2	0.857029	1.1192	0	1	1
Rbms3	7.58763	6.21173	0	1	1
Cmc1	3.45313	3.20747	0	1	1
Plcd1_j1	1.32139	1.74866	0	1	1
Plcd1	0.101117	0.156172	0	1	1
9330176C04Rik_j2	0.0794907	0.0732003	0	1	1
9330176C04Rik_j6	0.129155	0.0771503	0	1	1
Oxsr1_j3	0.137699	0.0160203	0	1	1
Oxsr1	2.1035	2.3201	0	1	1
Myd88	1.51839	1.68085	0	1	1
Scn10a_j8	33.4195	26.075	-0.358022	0.0007642	0.0115368
Scn11a	21.9369	14.98	-0.550322	6.41E-09	4.69E-07
Gorasp1	13.0662	10.8555	0	1	1
Csrnp1_j3	1.06391	1.84891	0	1	1
Csrnp1	0.542233	0.457792	0	1	1
Cx3cr1	1.07894	2.58554	1.26086	2.84E-14	5.15E-12
AK085969	0.226485	0.243931	0.107058	0.794023	0.931286
Ulk4_j17	0.0970836	0 -1.79769e+308	0.0009554		1
Cck	0.608453	0.180217	-1.75541	0.075407	0.331468
Sec22c_j2	0.156611	0.0418362	0	1	1
Sec22c	2.86615	1.82366	0	1	1

AK089135_j1	0.270025	0.0565186	-2.2563	2.46E-05	0.000654
Hhatl_j1	0.699976	0.25468	-1.45862	0.0348138	0.204924
Hhatl	0.887671	0.607615	-0.546868	0.0147622	0.113587
Ccdc13_j2	0.807774	0.742812	-0.120954	0.785762	0.928253
Gm9790	0.312994	0.32142	0.0383237	0.937362	0.980776
C85492	5.006	4.69548	0	1	1
Ano10	4.55427	5.18472	0	1	1
Ano10_j3	18.5204	20.6065	0	1	1
XLOC_035130	2.06059	2.59208	0.331053	0.237518	0.58428
XLOC_035131	0.136015	0.0351718	-1.95127	0.230775	1
XLOC_035131	0.0925813	0.0697791	-0.407925	0.767933	1
Zfp445_j1	7.99881	8.58482	0	1	1
Zfp445_j5	3.14638	3.25136	0	1	1
Zfp445_j4	3.41946	2.43213	0	1	1
1110059G10Rik	12.5014	12.1732	-0.0383798	0.798395	0.933105
Zdhhc3_j1	0.984344	1.19481	0.27955	0.0509612	0.261614
Lztf1_j3	2.88623	2.48054	-0.218532	0.138952	0.463576
Lztf1_j5	0.435846	0.244574	-0.833548	0.289697	0.637033
Fyco1_j5	0.666244	0.414094	-0.686092	0.045994	0.245535
Fyco1	0.0941848	0	-1.79769e+308	1.84E-06	1
Ccr1	0.210013	0.614306	1.54848	6.82E-06	0.0002225
Alkbh8_j2	0	0.140007	0	1	1
Casp12_j1	2.52597	2.42185	-0.0607259	0.773551	0.923145
Pdgfd	0.515331	0.131145	-1.97433	0.0009435	0.0136462
Trpc6	1.72597	1.88063	0.123807	0.589298	0.836005
Mtmr2_j2	1.33958	1.36649	0	1	1
Sesn3_j1	2.26158	0.00952034	0	1	1
Mre11a_j2	1.38647	1.02295	0	1	1
XLOC_034142	0.0889123	0.095625	0.105006	0.930425	1
Taf1d	2.27033	2.3813	0.0688433	0.69625	0.888054
Zfp317	0.081742	0	0	1	1
Zfp846_j4	0.402801	0.485021	0	1	1
Zfp846_j6	1.05992	1.07523	0	1	1
Ubl5_j3	0.801237	0.770625	0	1	1
Ubl5_j2	0.0439705	0.0775349	0	1	1
Pin1_j1	42.7145	42.0621	-0.0222055	0.868286	0.958254
Ppan_j3	0.71587	1.0038	0.487704	0.216712	0.562879
Mrpl4_j1	3.81802	3.16695	0	1	1
Icam1_j2	0.0548273	0.0570522	0.0573883	0.967053	1
Icam5_j2	0.0407972	0.174586	2.0974	0.132453	0.452839
Pde4a	0.341589	0.139112	-1.29601	0.0188408	0.135332
Ilf3_j2	0.211341	0.148448	0	1	1
Ilf3_j1	0.167112	0.104875	0	1	1
Qtrt1_j3	0.607043	0.418029	-0.538196	0.395743	0.720791
Qtrt1_j6	0.285446	0.465221	0.704697	0.287443	0.635587
Dnm2_j3	3.04487	2.76297	0	1	1
Dnm2_j2	0.137323	0.0949767	0	1	1

Dnm2_j8	0.496954	0.867476	0	1	1
XLOC_034167	0.0792359	0.0161634	-2.29342	0.398989	1
AB124611	0.101136	0.486325	2.26563	0.0058038	0.0570402
Carm1_j2	0.179103	0.350067	0	1	1
Smarca4	2.04462	2.80854	0	1	1
Smarca4	8.71749	10.4249	0	1	1
Smarca4_j5	12.9843	13.9478	0	1	1
Prkcsh_j2	7.71883	8.59319	0.154813	0.303462	0.649082
Zfp809_j1	0	0.132152	0	1	1
Zfp809_j3	0.459189	0.556955	0	1	1
Bbs9_j3	0.835786	0.600804	-0.476238	0.146237	0.474497
B3gat1_j2	0.403861	0.156044	-1.37191	0.0150945	0.115397
Igsf9b_j5	0.349694	0.371835	0	1	1
Igsf9b_j7	0.0482363	0.0739988	0	1	1
Opcm1_j6	1.00252	0.725668	-0.466249	0.0526599	0.266521
Opcm1_j9	2.40117	1.64587	-0.54489	0.0022457	0.027296
Snx19_j1	6.99345	8.40303	0	1	1
Adamts8	1.66163	1.51016	-0.137898	0.51481	0.793837
Prdm10	0.0915181	0.135973	0.571194	0.37051	1
Prdm10_j3	0.246531	0.129767	-0.92584	0.267057	0.616066
Nfrkb	1.5054	1.03822	-0.536035	0.0132455	0.105395
Nfrkb_j3	0.590006	1.12145	0.926558	0.0010511	0.0148592
Nfrkb_j6	1.74493	0.953233	-0.872272	0.0013548	0.0182323
XLOC_034199	0.127442	0.0552495	-1.20581	0.272154	1
Arhgap32_j6	0.758319	0.752709	-0.0107118	0.958615	0.988071
Ets1_j2	0.0442936	0.156631	0	1	1
Kirrel3_j6	0.30337	0.550236	0	1	1
Rpusd4	7.19676	8.75741	0	1	1
Fez1	114.136	105.052	0	1	1
Fez1_j6	0.807799	0.958031	0	1	1
Fez1_j7	3.0704	5.9523	0	1	1
XLOC_034212	0.157626	0.0991285	-0.669137	0.583804	0.83315
Hepacam_j2	4.60153	4.1095	-0.163152	0.283807	0.632215
BC024479_j4	0.532195	0.925226	0.797851	0.0745999	0.329482
BC024479_j5	0.0461337	0.145854	1.66063	0.0087361	1
Vsig2_j1	0	0.0556359	1.79769e+308	0.0320669	1
Scn3b_j1	2.94762	2.9231	0	1	1
Scn3b_j4	2.813	3.60271	0	1	1
XLOC_034226	0.0841372	0.0755986	-0.154384	0.86449	1
9030425E11Rik_j1	2.58219	2.69076	0.0594206	0.724048	0.901852
Bsx_j1	0.0507947	0.0626379	0.302359	0.811321	1
2610203C20Rik	0.628608	0.383942	-0.71127	0.115352	0.422416
XLOC_034236	0.0864925	0.0959378	0.149524	0.924666	1
Thy1_j1	294.409	345.111	0	1	1
Usp2	0.714011	0.580177	0	1	1
Mcam_j3	0.213945	0.289027	0	1	1
Slc37a4_j6	0.727175	0.583252	-0.318183	0.485412	0.777011

Slc37a4_j3	0.818955	0.59872	-0.451902	0.314048	0.658298
AK078316_j1	0.250135	0.34005	0.44304	0.521498	0.798243
Bcl9l_j3	0.167428	0	0	1	1
Ddx6_j3	0.283605	0 -1.79769e+308		1.62E-10	1.57E-08
Ift46_j2	2.40161	2.61048	0	1	1
Scn2b	3.80728	2.91024	0	1	1
Scn4b_j5	0	2.87422	0	1	1
Bace1	18.0081	15.3455	0	1	1
Sik3_j2	1.81638	1.56091	0	1	1
Bud13_j5	1.06462	0.980637	-0.118548	0.703507	0.891491
2900052N01Rik_j1	0.904792	0.968901	0.0987629	0.767343	0.920619
2900052N01Rik_j3	5.22182	5.15121	-0.0196411	0.908986	0.971253
Cadm1	27.9946	22.5572	0	1	1
Cadm1	14.4401	13.2374	0	1	1
Fam55d_j4	1.23173	1.39989	0.184633	0.587488	0.835056
Usp28_j3	2.24937	2.34486	0.0599809	0.808769	0.937207
Zw10_j2	1.28685	1.93507	0.588546	0.0652406	0.304309
Tmprss5_j6	0.379508	0.458	0.271216	0.555054	0.817979
Tmprss5_j9	1.03351	1.77301	0.778642	0.0321544	0.194495
Drd2_j9	0.066554	0.22787	1.77561	0.0048447	0.0495131
Timm8b	17.4643	20.6819	0.24396	0.0529266	0.267435
Pih1d2	0.415053	0.309072	-0.425355	0.32032	0.663651
Cryab	0.895246	0.669669	-0.418835	0.265741	0.614701
Fdxacb1	0.331307	0.386865	0.22366	0.485641	0.777195
Arhgap20_j4	1.07233	0.969333	0	1	1
Kdelc2_j1	0.149839	0.204048	0.445492	0.47264	0.769633
4930550C14Rik_j2	0.198778	0.165189	-0.267039	0.647339	0.864073
Npat_j1	0.106	0.0207659	-2.35177	0.0333759	1
Slc35f2	0.618308	0.611497	0	1	1
Dnaja4	7.5782	6.63453	0	1	1
Dnaja4_j1	4.06762	4.06851	0	1	1
Ireb2	6.6641	6.061	0	1	1
Ireb2_j2	0.67033	0.542263	0	1	1
Psma4_j2	0.159405	0.0572964	-1.47618	0.321896	0.664958
Ube2q2_j8	49.1055	46.0239	-0.0935028	0.314354	0.658565
Pstpip1_j2	0	0.210573 1.79769e+308		0.081821	0.348488
XLOC_034318	0.381814	0.408036	0.0958259	0.820364	0.941839
Man2c1_j2	0.0522847	0.0768178	0	1	1
Man2c1_j4	0.028238	0.0501742	0	1	1
Man2c1_j7	5.55802	5.31703	0	1	1
Cox5a	0.222129	0.210658	0	1	1
Cox5a_j3	61.9769	66.0256	0	1	1
2310046O06Rik	0.596304	0.546908	0	1	1
Ubl7	25.1447	26.5588	0.078932	0.496239	0.783139
Ubl7_j3	6.1776	3.31586	-0.89766	0.0013249	0.0179197
Sema7a	4.50171	2.00516	-1.16676	7.70E-10	6.61E-08
Sema7a_j2	0.306617	0 -1.79769e+308		7.18E-07	3.12E-05

Stra6_j5	0.0619011	0.0139559	-2.14909	0.252529	1
Nptn	40.3747	35.9201	0	1	1
Nptn	7.30472	4.75635	0	1	1
Celf6_j2	1.8928	2.04484	0.111465	0.716297	0.897624
Celf6_j1	1.21501	2.03536	0.744322	0.0037283	0.0408166
Celf6_j3	0	0.100204	1.79769e+308	0.116119	1
Parp6_j4	2.15912	2.56452	0	1	1
Parp6_j6	5.68989	6.92585	0	1	1
Pkm2_j6	25.4097	14.6024	0	1	1
Myo9a_j3	9.69316	9.0092	0	1	1
Uaca_j1	0.836049	0.911396	0	1	1
Uaca_j7	0.197775	0.212435	0	1	1
XLOC_034353	0.124896	0.122682	-0.0258085	0.984427	1
Tle3_j3	2.79638	3.79651	0	1	1
Tle3	1.34212	1.58676	0	1	1
Itga11_j3	0.234339	0.0932046	-1.33012	0.141577	0.468105
Calml4	4.41887	3.88149	-0.187065	0.425497	0.74056
Aagab	1.39958	1.97538	0.49714	0.0062697	0.0606301
Igdcc3_j3	0	0.130317	1.79769e+308	0.0923569	1
Parp16	0.233699	0.342356	0.550844	0.262933	0.611778
Clpx_j2	1.26145	1.11953	0	1	1
Gm514_j3	0.081028	0	-1.79769e+308	0.0006806	1
Mtfmt_j4	3.61434	3.75134	0.0536735	0.784084	0.927348
Spg21_j1	14.0672	14.4294	0.036677	0.742838	0.909993
Fam96a	10.2858	11.4042	0.148916	0.269634	0.618744
Herc1_j6	0.26547	0.875704	0	1	1
Herc1_j7	7.04034	5.63638	0	1	1
Rps27l_j1	22.9551	23.5399	0.0362967	0.829293	0.944936
Vps13c_j8	2.37413	3.23118	0.444661	0.0135576	0.107097
Myo1e_j2	0	0.590549	1.79769e+308	5.86E-07	2.60E-05
Sltm_j1	0.114183	0.0528972	0	1	1
Sltm_j2	0.24279	0.14682	0	1	1
Adam10_j2	1.90714	3.54243	0	1	1
Znf280d_j6	0.77044	0.941584	0.289407	0.593904	0.838316
Mns1	0.530808	0.466642	-0.185875	0.510352	0.791044
Dyx1c1_j2	0.0927835	0.0561851	-0.723683	0.588134	1
Dyx1c1_j6	0.143648	0.170682	0.248769	0.834066	0.946622
Ccpg1_j1	0.336577	0.083552	0	1	1
BC031353	1.8254	2.27628	0	1	1
BC031353	3.00211	2.83	0	1	1
Arpp19_j2	0.216888	1.33386	0	1	1
Myo5a_j2	22.4503	21.8406	0	1	1
Gnb5_j1	5.33748	9.87133	0.887086	1.25E-07	6.52E-06
XLOC_034422	0.0628312	0.0984558	0.647996	0.598782	1
XLOC_034422	0.0170754	0.119021	2.80123	0.103389	1
Lysmd2_j1	18.2126	18.2057	0	1	1
Lysmd2	6.36331	4.83139	0	1	1

Gclc_j3	0.43667	0.323295	0	1	1
Gclc_j4	0.665331	0.692683	0	1	1
Ick	0.952271	0.989842	0	1	1
AK050586	0.0558405	0.00987893	-2.49888	0.480606	1
XLOC_034440	0.400951	0.235554	0	1	1
Senp6_j6	0.153632	0.0306568	0	1	1
Senp6_j4	2.99937	1.57285	0	1	1
Senp6_j5	0.165431	1.91622	0	1	1
Myo6_j12	0.490503	0.502961	0.0361842	0.914047	0.973052
XLOC_034444	0.555866	0.628608	0.177424	0.887868	0.964616
AK052495_j3	0.302806	0.243496	0	1	1
Irak1bp1_j2	1.98028	2.27983	0.203225	0.472429	0.769519
XLOC_034451	0.0810997	0.0525827	-0.625109	0.649436	1
Prss35	0.84553	0.354343	-1.25471	0.0051323	0.0517249
Cyb5r4_j1	0.15139	0.129139	-0.229348	0.81837	0.941038
Cyb5r4_j3	0.0783383	0.597711	2.93166	0.0088535	0.0782415
Mrap2_j3	0.0758669	0.280657	1.88727	0.0402275	0.224622
Mrap2_j6	0.277138	0.0806603	-1.78067	0.0754663	0.331566
Zfp949_j1	1.22915	1.53454	0	1	1
Bcl2a1b_j1	0	0.0876608	1.79769e+308	0.134602	1
Mthfs_j1	5.09346	4.32727	-0.23519	0.348022	0.686627
Rasgrf1_j5	1.86278	1.76338	0	1	1
Ctsh_j2	1.45684	2.47467	0.764396	0.0854871	0.357019
Adamts7_j14	0.148846	0.159672	0.101294	0.890698	0.965446
Adamts7_j17	0.377573	0.336036	-0.168143	0.778112	0.925044
Plscr4_j1	0.164613	0.423691	1.36394	0.0117973	0.096959
Plscr4_j2	3.00112	2.89308	-0.052897	0.802261	0.934265
Slc9a9	15.6795	11.9076	0	1	1
Slc9a9_j5	0.0815035	0	0	1	1
Pcolce2_j2	1.55423	1.59644	0.0386549	0.863096	0.956634
Atr_j2	4.28046	2.96867	-0.527952	7.77E-06	0.0002489
Xrn1_j5	0.119132	0.112552	0	1	1
Tfdp2_j9	0.904832	0.8488	0	1	1
XLOC_034490	0.0698632	0.150846	1.11047	0.302439	1
Copb2_j1	21.7825	21.2269	-0.0372732	0.691469	0.885712
Dzip1l_j3	0.413217	0.2238	-0.884688	0.0308287	0.1892
Rab6b_j6	110.534	110.143	0	1	1
Nphp3_j3	0.0681728	0.0167671	-2.02356	0.456698	1
Nphp3_j4	0.0398427	0.135677	1.76779	0.377871	1
Acad11_j1	8.50676	8.55651	0.00841183	0.955438	0.987197
Cpne4_j2	0.354973	0	0	1	1
Cpne4	12.3496	9.08767	0	1	1
Mrpl3_j2	0.383866	0.42132	0.134313	0.863632	0.956634
Mrpl3_j3	10.725	11.1007	0.0496724	0.858749	0.95526
Aste1_j4	0.406137	0.142815	-1.50782	0.0499538	0.258241
Wdr82_j1	0.301361	0.384808	0	1	1
Pcbp4_j5	33.2079	35.4248	0	1	1

Pcbp4_j8	2.2847	2.96513	0	1	1
Cish	0.244743	0.744264	1.60454	0.0022609	0.0274608
Cacna2d2	0.690181	0.616685	0	1	1
Zmynd10_j1	0.082876	0.0984224	0.248032	0.766198	1
Hyal1_j2	1.88447	1.06254	-0.826646	0.0002494	0.0046144
Mst1r_j6	0.0650274	0 -1.79769e+308	0.0043358		1
Camkv_j2	0.206194	0.0476024	-2.11489	0.101043	0.393603
Camkv_j3	0	0.065418 1.79769e+308	0.0793483		1
Traip_j8	0.177928	0.0274959	-2.69401	0.111696	0.415961
Ip6k1_j5	0.0556277	0.062403	0.165812	0.898354	1
Ip6k1_j11	0.0701094	0.0795564	0.18237	0.925654	1
Ip6k1_j12	0.93733	0.617339	0	1	1
Gmppb_j4	7.38986	3.74374	0	1	1
Gmppb	10.0756	8.15653	0	1	1
Rhoa_j3	0	0.27769	0	1	1
Lamb2_j2	0.433211	0.415683	0	1	1
Usp19_j4	3.01142	2.03931	0	1	1
Usp19_j5	10.338	9.06755	0	1	1
Impdh2_j5	0.0919835	0.0241588	0	1	1
Nckipsd_j3	0.575343	0 -1.79769e+308	2.07E-07	1.02E-05	
Celsr3_j7	1.55618	1.52392	0	1	1
Col7a1_j3	0.0914796	0.18393	1.00764	1	1
Col7a1_j4	0.330924	0.368908	0.156763	0.723211	0.90144
Col7a1_j11	0.538767	1.14857	1.09211	0.0535354	0.269413
Ucn2	0.134896	0.245646	0.864733	0.225122	0.572335
Nme6_j4	0.428287	0.464961	0.118533	0.83462	0.946855
Mtap4_j6	45.5129	40.3375	0	1	1
Smarcc1	9.55214	10.7564	0.171301	0.0787688	0.340413
Scap_j2	10.9406	11.2936	0	1	1
Kif9_j5	0.0587079	0 -1.79769e+308	0.0138233		1
Kif9_j13	0.376974	0.441631	0.228376	0.609581	0.846264
Setd2_j3	0.384173	0.841245	1.13077	1.31E-05	0.0003909
Epm2aip1	0.166442	0.145524	-0.193762	0.750769	0.913558
Clasp2_j3	0.486353	0.296433	0	1	1
Clasp2	1.71961	3.05655	0	1	1
Clasp2_j6	8.05566	2.89171	0	1	1
Susd5	0.176351	0.125097	-0.495406	0.407772	0.728185
Glb1_j1	7.92836	8.52957	0.10545	0.435674	0.746463
Osbpl10_j3	4.75357	3.51205	0	1	1
Osbpl10_j2	0.974213	0.63559	0	1	1
Osbpl10_j10	3.11681	3.65241	0	1	1
XLOC_034603	0.156644	0.0696248	0	1	1
Golga4_j10	0.129217	0.0239325	-2.43276	0.0291748	1
Golga4_j12	5.9472	5.94681	-9.58E-05	0.999698	0.999883
Ctdspl_j2	0.475562	0.287034	0	1	1
Vill_j6	0.0799139	0.0888727	0.153292	0.901337	1
Vill_j12	0.194116	0.0407951	-2.25045	0.137363	0.461064

Vill_j14	0.0539177	0.0987473	0.872983	0.661447	1
Dlec1_j7	0.100808	0.0764238	-0.399512	0.711764	1
Dlec1_j12	0.195141	0.156483	-0.318515	0.662086	0.871836
Acaa1a_j1	8.611	9.85245	0	1	1
Acaa1a_j8	2.07088	1.30731	0	1	1
XLOC_034614	0	0.115042	0	1	1
Exog_j3	0.22398	0.0433808	0	1	1
Ttc21a_j5	0.0256672	0.0567133	1.14376	0.447349	1
Rpsa_j3	0.0750332	0.0926984	0	1	1
Rpsa_j5	1.03192	1.06531	0	1	1
Rpl14_j2	0.200224	0.286464	0	1	1
Rpl14_j1	0.45017	0.260862	0	1	1
Ctnnb1_j3	57.9571	66.2438	0	1	1
Trak1_j1	2.13514	1.4603	0	1	1
Trak1_j14	2.42129	2.28395	0	1	1
Trak1_j13	2.2352	2.0725	0	1	1
Deb1_j3	0.615551	0.520216	-0.242765	0.377458	0.70922
Deb1	1.53587	1.5468	0.0102314	0.951158	0.985865
Nktr_j4	5.68915	6.27522	0.141452	0.183764	0.524378
Nktr_j9	2.61019	2.60767	-0.00139408	0.991899	0.997581
Abhd5	10.4924	11.1062	0	1	1
Abhd5_j3	0.0622517	0.12916	0	1	1
XLOC_034644	0	0.0717351	1.79769e+308	0.0713811	1
9530059O14Rik_j1	0.0385505	0.0800268	1.05373	0.351168	1
D9Ert402e_j1	0.00972873	0.17576	0	1	1
Zfp167_j1	0.187369	0.15244	-0.297636	0.546109	0.812874
Kif15_j2	0.0914605	0.0969269	0.0837476	0.930268	1
Tmem42_j1	0.122751	0.102701	-0.257294	0.746397	1
Tmem42	7.48845	6.57102	-0.188549	0.300889	0.647316
Tmem42_j2	3.93221	4.07673	0.0520708	0.846563	0.951509
Exosc7	11.3968	12.0011	0.0745446	0.60815	0.84559
Limd1_j1	0.325151	0.719804	1.1465	0.0002831	0.0050917
Limd1_j2	0	0.106512	1.79769e+308	0.0050948	1
XLOC_034654	0.0820853	0.127088	0.630635	0.545695	1
Aasdhpt_j2	1.76344	1.63201	-0.111737	0.6214	0.851669
Aasdhpt_j3	6.16188	5.84397	-0.0764234	0.572859	0.827318
Gria4_j2	6.69015	6.11342	0	1	1
Gria4_j3	0.594267	0	0	1	1
Gria4	4.73164	3.00068	0	1	1
Birc2_j2	1.07559	0.737463	-0.544485	0.072692	0.324435
AK129341_j1	0.119306	0.462059	0	1	1
AK129341_j2	2.20279	1.81324	0	1	1
AK129341_j4	0.927184	0.509289	0	1	1
Arhgap42_j2	1.93253	2.82621	0	1	1
Kdm4d	0.682491	0.496217	-0.459837	0.114109	0.420249
Amotl1_j3	0.0625991	0.0262215	0	1	1
Amotl1_j2	0.814931	0.743179	0	1	1

5830418K08Rik_j3	0.991237	1.08267	0.127285	0.432004	0.74396
5830418K08Rik_j7	0.152518	0.294601	0.949783	0.458622	0.761199
Fat3_j2	2.62923	2.36046	0	1	1
Naalad2_j4	0	0.0855712	1.79769e+308	0.0443682	1
Zfp560	0.157709	0.194216	0.3004	0.54707	0.813394
Zfp426_j1	1.09365	0.947189	0	1	1
Zfp266_j2	0.20363	0.000367727	0	1	1
Zfp266	0.85797	0.957809	0	1	1
Fbxl12_j1	0.344621	0.570778	0	1	1
Col5a3_j3	3.17825	6.41032	0	1	1
Raver1_j4	9.63722	10.9637	0.18604	0.341867	0.681706
Raver1	4.03686	3.25306	-0.311436	0.0586262	0.284598
Tyk2_j2	0.772883	1.44522	0	1	1
Tyk2_j5	0.0817891	0.0404796	0	1	1
Cdc37_j1	11.5043	14.6588	0.349594	0.0130712	0.104503
Cdc37_j2	0.332898	0.217044	-0.617091	0.262486	0.611578
Kri1_j1	0.0283084	0.124907	2.14155	0.110436	1
Dock6_j5	0.222283	0.169016	0	1	1
Dock6_j6	0.179745	0.265951	0	1	1
Rgl3_j11	0.244389	0.32206	0.398152	0.460572	0.762108
Rgl3_j10	0.281294	0.264595	-0.0882945	0.882104	0.962591
Elavl3_j1	4.19466	11.4811	1.45264	0	0
Zfp653_j2	1.19067	0.793754	-0.585012	0.0199866	0.140761
Zfp653_j1	0.385851	0.462929	0.262744	0.446105	0.75332
Zfp810_j5	0.722287	0.717275	0	1	1
Zfp810	0.964321	0.80826	0	1	1
rp9_j1	0	0.0717784	1.79769e+308	0.214343	1
Glb1l2_j1	0.322195	0.0316621	-3.34711	0.0083225	0.0747414
Ntm_j5	0.127124	0	-1.79769e+308	0.0005771	1
St14_j1	0.407186	0.255841	-0.670438	0.389551	0.716696
Aplp2_j4	42.9651	64.1352	0	1	1
Aplp2	23.476	24.3167	0	1	1
Tmem45b_j2	2.93852	2.09456	-0.488442	0.109675	0.412055
Tmem45b_j1	0.244315	0.254584	0.0594008	0.934183	0.979958
St3gal4_j3	0.715757	0.922731	0	1	1
St3gal4	3.98337	4.16162	0	1	1
Dcps_j1	1.87368	1.73374	0	1	1
Dcps	4.22918	4.65498	0	1	1
Tirap_j1	0.206252	0.196246	-0.0717488	0.889581	0.964965
Foxred1_j4	0.212211	0.322516	0	1	1
Foxred1_j5	0.238217	0.492198	0	1	1
Foxred1_j6	0.72087	0.661807	0	1	1
Foxred1_j7	0.990711	0.883022	0	1	1
Fam118b_j2	13.2054	12.235	0	1	1
Hyls1	1.94142	2.22904	0.199314	0.328708	0.671184
Pknox2_j1	4.18654	4.71991	0	1	1
Pknox2_j2	1.04228	0.000259729	0	1	1

Pknox2	8.7919	5.22016	0	1	1
Slc37a2	0	0.123972	1.79769e+308	0.0007791	1
Nrgn	0.359075	0.422354	0.234167	0.378758	0.710354
Gramd1b_j10	0.329637	0.280021	0	1	1
AK089373_j3	1.14112	1.26476	0.148419	0.535471	0.80631
4931429I11Rik_j1	0.486484	0.647951	0.413493	0.0812636	0.347085
4931429I11Rik_j5	2.1131	2.41389	0.191999	0.449927	0.755805
Ubash3b_j1	26.7923	19.0457	0	1	1
Sorl1_j1	3.87405	1.14385	0	1	1
Tbcel_j1	0.36359	0.280442	0	1	1
Grik4_j3	0.0745408	0.0435157	0	1	1
Grik4_j4	3.59327	3.64775	0	1	1
Hinfp_j4	0.00447462	0.332873	0	1	1
Hinfp	0.0068294	0.961423	0	1	1
Hmbs_j5	2.70506	2.91091	0.105808	0.564611	0.823408
Vps11_j1	11.8615	12.5656	0	1	1
Phldb1_j9	3.87354	5.6071	0	1	1
Phldb1_j10	1.41979	1.50206	0	1	1
Phldb1_j11	2.02604	2.51728	0	1	1
Tmem25_j1	0.0455665	4.11043	0	1	1
Tmem25_j2	20.6825	15.3465	0	1	1
Mll1_j10	0.0620656	0.0225477	0	1	1
Mll1_j11	0.152144	0.128279	0	1	1
Atp5l_j1	2.61678	2.14909	-0.284069	0.314355	0.658565
Ube4a_j2	15.5685	11.7668	0	1	1
Gm10684_j3	0	0.413278	0	1	1
Gm10684_j4	0.539123	0	0	1	1
Gm10684	0.453638	0.162195	0	1	1
Cep164_j1	2.35611	2.07147	-0.18575	0.489872	0.779639
Cep164_j2	0.0681834	0	-1.79769e+308	0.002807	1
Cep164_j3	0.109688	0.188654	0.782328	0.141699	0.468253
Rnf214_j1	4.0508	5.46169	0	1	1
Rnf214	3.47026	2.37563	0	1	1
Sidt2_j1	0.30432	1.02327	0	1	1
Sidt2	1.2484	1.37322	0	1	1
XLOC_034805	0.0819578	0.00271372	-4.91653	0.466121	1
XLOC_034806	0.297916	0.151746	-0.973245	0.343543	0.683592
XLOC_034807	0	0.0559748	1.79769e+308	0.0260235	1
XLOC_034807	0.844118	0.64737	-0.382855	0.0954656	0.381463
Fam55b_j1	0.111002	0.0981029	-0.178215	0.862865	1
Fam55b	0.22791	0.312516	0.455466	0.428075	0.742047
Fam55b	0.286175	0.000215591	-10.3744	0.752999	0.91467
XLOC_034809	0.498044	0.694151	0.478976	0.0564586	0.278053
Rbm7_j1	0.564367	0.352076	-0.680744	0.145139	0.472985
Nnmt	0.0311503	0.176679	2.50381	0.464991	0.764951
Ttc12_j2	1.61873	1.6417	0	1	1
Ncam1_j1	5.76923	2.93838	0	1	1

Ncam1_j7	7.72667	10.3241	0	1	1
Pts_j4	6.85877	8.42705	0	1	1
Dlat_j2	15.9902	14.9012	0	1	1
Dixdc1	0.380988	0.446891	0.230176	0.414476	0.732858
2310030G06Rik_j2	0.56943	0.571106	0.00423806	0.992703	0.997911
2310030G06Rik	0.188043	0.266715	0.504238	0.341327	0.681241
Layn	0.181681	0.0806619	-1.17145	0.114151	0.420315
AK086943_j6	0	0.162979	1.79769e+308	0.0516584	0.26356
AK086943_j7	0.0582014	0.0305851	-0.928226	0.717479	1
Fdx1	2.85058	3.68894	0.371954	0.229997	0.577072
XLOC_034835	0.113447	0.0795515	-0.512064	0.767034	1
XLOC_034836	0.0727578	0.0753523	0.0505488	0.979352	1
Atm_j3	0.203106	0.208846	0	1	1
Cul5_j1	0.0551688	0.0120975	-2.18915	0.14578	1
Cul5_j4	0.330074	0.116238	-1.50571	0.0037086	0.0406743
XLOC_034841	0.1146	0.142993	0	1	1
Dmxl2_j5	3.67289	3.84987	0	1	1
XLOC_034847	0.172601	0.360983	1.06449	0.266414	0.615515
XLOC_034849	69.4323	68.9356	-0.0103574	0.908875	0.971253
Neil1_j1	0	0.478273	1.79769e+308	0.0151687	0.115855
Scamp5_j4	25.9551	24.5889	0	1	1
Mpi_j2	25.8011	22.3582	-0.206624	0.0407363	0.226551
Csk_j1	2.03824	1.98858	-0.0355792	0.842487	0.95025
Islr2_j3	0.450093	0.158157	-1.50886	0.0064549	0.0619057
Pml_j4	0.426949	0.344495	0	1	1
Pml	0.764878	0.417836	0	1	1
Cd276_j1	0.31702	0.305759	-0.0521827	0.930514	0.978738
Cd276_j2	0.21358	0.430536	1.01136	0.0694008	0.315891
Cd276_j3	0.249668	0.229502	-0.121503	0.825285	0.943699
Cd276_j4	0.34075	0.424925	0.318497	0.402823	0.726002
Neo1_j7	0.845659	0.0958346	0	1	1
Bbs4_j1	1.43936	2.20189	0	1	1
Arih1_j1	14.6564	12.9224	0	1	1
AK038653_j9	0.229247	0.109437	-1.06681	0.178631	0.518168
Lrrc49_j3	93.8651	46.8669	-1.00202	0	0
Kif23_j4	0.340772	0.487613	0.51693	0.432263	0.74419
Kif23_j1	0.189254	0.0513711	-1.8813	0.0957777	0.382115
Paqr5_j1	0.0781592	0.0265868	-1.55571	0.0744232	1
Glce_j1	2.76591	2.90434	0	1	1
XLOC_034892	0.121369	0.0315846	-1.94211	0.34902	1
Coro2b_j3	20.1645	20.7324	0	1	1
Coro2b_j4	3.95824	1.90129	0	1	1
Pias1_j3	0.1372	0	0	1	1
Map2k5_j4	0.0510709	0	-1.79769e+308	0.12178	1
Map2k5	6.02771	5.476	-0.138488	0.367869	0.701188
Map2k5_j5	4.36845	4.30933	-0.0196562	0.91013	0.971581
Smad3_j2	0.241227	0.616499	1.35371	0.0002299	0.0043016

Smad3	0.261546	0.343698	0.394078	0.254528	0.602758
Smad6_j2	0	0.086509	1.79769e+308	0.0829648	1
Zwilch	0.891672	0.83904	-0.0877746	0.747902	0.912311
Map2k1_j1	34.9149	32.397	0	1	1
Trip4_j3	0.357871	0.245444	-0.544047	0.162568	0.498014
XLOC_034916	0.230846	0.150582	-0.616383	0.510955	0.79135
Usp3_j3	0.462568	0.460793	0	1	1
Tpm1	4.62809	8.70436	0.911322	1.91E-07	9.45E-06
Tln2_j3	9.65264	7.43855	0	1	1
Tln2_j2	3.82554	2.7446	0	1	1
Rnf111_j2	0.126203	0.192923	0	1	1
Cgnl1_j6	3.70509	3.69404	0	1	1
Tcf12_j1	3.01709	2.744	0	1	1
Tcf12_j2	0.397823	0.384803	0	1	1
Tcf12	0.768162	1.41326	0	1	1
tsec-1	0.907587	0.472215	-0.94259	0.0029891	0.0343447
Pigb	1.96233	1.51244	0	1	1
Unc13c_j5	3.02632	3.36649	0	1	1
Mapk6	0.460534	1.07625	0	1	1
Scg3_j4	168.296	167.335	0	1	1
2310046A06Rik_j1	0.42928	0.649265	0.596889	0.450527	0.756158
2310046A06Rik_j8	0.54905	0.746406	0.443022	0.560502	0.821119
2310046A06Rik_j9	0.342631	0.195474	-0.809682	0.352093	0.689187
Fbxo9_j3	15.062	13.8109	-0.125112	0.417192	0.734301
Gsta2_j1	0.331472	0.271923	-0.285691	0.639158	0.860322
Ooep_j1	0.385086	0.329084	-0.226726	0.728494	0.903756
Eef1a1	300.343	375.592	0.322555	0.0002894	0.0051857
Tmem30a_j1	21.0568	13.9112	0	1	1
Filip1_j5	0	0.0951657	1.79769e+308	0.010699	1
Phip_j8	0.11435	0.194843	0	1	1
Hmgn3_j4	1.38853	1.88525	0	1	1
Hmgn3_j5	2.46259	2.85691	0	1	1
Ibtk_j6	0.578844	0.919121	0	1	1
Ube2cbp_j7	0	0.0595516	1.79769e+308	0.116975	1
Me1_j4	0.238008	0.273189	0.198893	0.732713	0.905691
Me1_j1	5.69155	6.50756	0.193296	0.191586	0.533749
Snap91_j1	21.6783	19.0703	0	1	1
Snap91_j2	13.878	7.06819	0	1	1
Snap91_j3	12.4358	6.58529	0	1	1
Snap91_j11	7.63617	6.44571	0	1	1
Syncrip_j1	1.10878	0.169348	0	1	1
2810026P18Rik	3.10747	3.75306	0.272328	0.247967	0.595267
Gm2382_j4	2.22311	2.07385	-0.100269	0.830593	0.945436
AF529169	1.09313	0.493147	0	1	1
Tmed3_j2	0.371853	0.540101	0.538496	0.404659	0.726779
Ankrd34c_j2	0.604288	0.312864	-0.949702	0.0051943	0.0521987
Trpc1	0.0957676	0.0664897	0	1	1

Pls1_j2	0.181062	0.174553	0	1	1
Atp1b3_j1	168.285	163.794	0	1	1
Rnf7	0.111112	0.191146	0.782661	0.491214	0.780398
Zbtb38_j5	0.0890527	0.207343	0	1	1
Zbtb38_j2	0.975676	0.0764863	0	1	1
Clstn2_j1	3.18751	2.94915	0	1	1
Mras_j1	1.87504	1.04524	-0.843087	0.0010138	0.0144661
Armc8	7.04838	6.36715	-0.146644	0.250514	0.598226
Nck1	2.8711	2.53814	0	1	1
Tmem22_j2	0.171654	0 -1.79769e+308	0.0100765	0.086004	
Cep63_j3	0.378074	0.604607	0	1	1
Cdv3_j7	5.09718	6.18438	0	1	1
AK131742_j1	0.184986	0.054232	-1.7702	0.271559	0.620436
Uba5_j3	0.115215	0.0674751	-0.771899	0.522266	1
Uba5_j4	0.0890832	0 -1.79769e+308	0.0130809	1	
Dnajc13_j2	2.13454	2.27569	0	1	1
Dnajc13	4.31074	3.18729	0	1	1
Acpp	7.98025	6.93849	0	1	1
Atp2c1	0.493971	0.485445	-0.025117	0.943068	0.982807
Ppm1m_j3	0.828875	0.712805	-0.217648	0.591257	0.836932
Acy1_j5	0.0522592	0.16412	1.65099	0.18891	0.530559
Abhd14a_j1	3.11956	3.06372	0	1	1
Parp3_j1	0.903277	1.05849	0	1	1
Parp3_j2	0.702029	0.607581	0	1	1
Rad54l2_j1	3.18608	3.66657	0.202648	0.113628	0.419374
Rad54l2_j5	0	0.0568435 1.79769e+308	0.179572	1	
Dock3_j9	13.38	10.731	-0.318289	0.0039113	0.0422322
Hemk1_j3	0.251747	0.286666	0.187398	0.800409	0.933471
BY080835_j1	0	0.146388 1.79769e+308	0.0050834	1	
Sema3b	1.24805	1.12458	-0.150296	0.652429	0.86684
Rbm6_j7	2.44105	3.7365	0.614186	0.0367966	0.21219
Rbm6_j9	0.320854	0.593346	0.886958	0.0107385	0.0901908
Apeh_j3	3.47669	5.4937	0.660063	0.0075673	0.069825
Apeh_j5	0.439689	0.437134	-0.00840787	0.984793	0.995509
Klhdc8b_j4	1.65315	2.07479	0	1	1
Arih2_j6	3.23449	2.53345	0	1	1
XLOC_035067	0.227742	0.169009	-0.430298	0.578242	0.830242
Atrip_j4	3.42941	4.65998	0.442363	0.007747	0.0709858
Atrip_j5	0.607933	0.0981945	-2.6302	1.44E-06	5.68E-05
Ccdc72_j6	3.8354	5.34046	0	1	1
Dhx30_j2	15.2997	16.4197	0	1	1
Nradd_j1	0.672077	0.973419	0	1	1
Nbeal2_j7	0.353418	0.443808	0	1	1
Nbeal2_j6	0.523395	0.790225	0	1	1
Nbeal2_j8	0	0.0754169	0	1	1
Arpp21_j1	1.6516	1.65746	0.00511105	0.985355	0.995689
Arpp21_j2	0	0.0578589 1.79769e+308	0.0510159	1	

Fbxl2_j3	3.49593	3.12833	0	1	1
Cnot10_j1	4.64273	5.00282	0	1	1
Cnot10	6.99406	6.35828	0	1	1
Stt3b_j1	34.3279	33.664	-0.028174	0.75961	0.91718
Tgfbr2_j1	4.13238	5.00788	0	1	1
Rbms3_j6	1.07034	1.0093	0	1	1
Plcd1_j6	0.756114	1.03431	0	1	1
Scn10a_j9	19.7036	16.7967	-0.230279	0.0216198	0.148707
XLOC_035113	0.287215	0.376283	0.389684	0.463872	0.764346
Scn11a_j4	19.4149	16.1767	-0.263242	0.0056226	0.0555414
Gorasp1_j1	0.0715292	3.1822	0	1	1
Ulk4_j2	0.151493	0 -1.79769e+308	0.0711668	0.320744	
Ulk4_j3	0.0776424	0 -1.79769e+308	0.0819483	1	
Ulk4_j5	0	0.105065 1.79769e+308	0.0651785	1	
Sec22c_j5	0.596293	0.312228	0	1	1
Hhatl	15.1239	8.91066	-0.763224	5.51E-09	4.06E-07
Higd1a	1.04838	0.990981	-0.0812315	0.779341	0.925607
Gm9790_j2	15.2585	13.9431	-0.130063	0.281147	0.629634
Ano10_j1	5.78645	7.74985	0	1	1
Zdhhc3_j2	1.41806	1.12027	-0.340064	0.0802942	0.344616
GODZ	1.3068	1.53043	0.227898	0.214642	0.560036
Lztfl1_j4	1.95343	1.75597	-0.153739	0.479199	0.773541
Lztfl1_j6	0.56631	0.325855	-0.797361	0.171122	0.507955
Fyco1_j6	0.000146051	0.0567712	8.60254	0.670854	1
Alkbh8_j3	0.322535	0.57171	0	1	1
8430410K20Rik_j2	13.8053	13.8028	0	1	1
Pdgfd	0.359833	0.0564952	-2.67113	0.0027317	0.0320372
Mmp8_j1	0.186692	0.0985416	-0.921852	0.170112	0.507178
XLOC_034134	0.125044	0.136718	0.128777	0.841333	1
Fam76b_j2	0.140707	0.0396149	0	1	1
Fam76b	0.279178	0.154101	0	1	1
Cwc15_j1	0.524118	0.730178	0.478357	0.547452	0.813664
2200002K05Rik_j1	1.99475	1.79762	0	1	1
2200002K05Rik_j2	2.3604	4.06714	0	1	1
Zfp317_j5	0.107674	0.165122	0	1	1
Zfp317_j7	1.37982	0.653752	0	1	1
Zfp317_j6	0.171412	0.120999	0	1	1
Ubl5_j1	2.35059	2.5587	0	1	1
A230050P20Rik_j2	0.0744322	0 -1.79769e+308	0.0313239	1	
Icam1_j1	0.243103	0.166895	-0.542622	0.390899	0.717624
Icam1	0.190588	0.587549	1.62425	8.57E-05	0.0018791
Slc44a2_j3	30.0789	32.3382	0.104485	0.256867	0.60573
Slc44a2_j4	35.8227	45.796	0.354346	0.000228	0.0042785
Ilf3	0.863147	0.218447	0	1	1
Qtrt1_j5	2.24364	2.7909	0.31489	0.229214	0.576313
Smarca4_j3	0.151799	0.0187817	0	1	1
Prkcsh	2.63644	1.69393	-0.63822	0.0219281	0.150201

9530077C05Rik_j1	0.543978	0.536234	-0.0206847	0.969974	0.99148
Bbs9_j2	0.254516	0	-1.79769e+308	3.23E-07	1.51E-05
Bbs9_j8	2.21021	2.15798	-0.0345035	0.896115	0.966989
Bmper_j2	0.617702	0.860561	0	1	1
Bmper_j3	1.38018	0.953546	0	1	1
Eepd1_j3	24.5503	21.3199	0	1	1
Ncapd3	1.00727	0.900576	-0.16153	0.249765	0.597201
Opcml_j8	0.0503455	0.0216748	-1.21585	0.361945	1
Zbtb44_j1	0.347676	0.493323	0.504788	0.165011	0.501328
Prdm10_j9	0.201693	0.337357	0.742114	0.0408005	0.226831
Nfrkb	0.717023	0.740903	0.0472667	0.855379	0.954239
Arhgap32_j1	0.765716	0.517295	-0.565822	0.0126215	0.101894
Ets1_j4	0.116512	0	0	1	1
Kirrel3_j7	0.984636	0.863071	0	1	1
Fez1_j5	82.2961	74.0342	0	1	1
XLOC_034212	0.0257773	0.0597605	1.21309	0.339394	1
XLOC_034212	0	0.0740769	1.79769e+308	0.0810802	1
Robo4_j5	0.925394	0.00228063	-8.66449	0.132209	0.452447
Esam_j1	0.320013	0.38981	0.284641	0.33104	0.672787
Esam_j5	0.211753	0.150109	-0.496367	0.394368	0.719811
Vwa5a_j3	0.785849	1.29999	0.726176	2.15E-05	0.0005877
Zfp202_j4	0.142168	0.0327034	-2.12009	0.0840865	0.353808
XLOC_034229	0.338874	0.212171	-0.675523	0.0946598	0.379341
AK014147_j5	0.229889	0	-1.79769e+308	1.26E-05	0.0003777
Gm16322_j1	0.134061	0.231469	0.787931	0.0324782	0.195798
XLOC_034236	0.129532	0.0736468	-0.814617	0.394847	1
Mcam_j2	4.82797	4.71148	0	1	1
Mcam_j5	27.2698	27.1058	0	1	1
Slc37a4_j7	0.540077	0.335832	-0.685424	0.181149	0.521088
Bcl9l_j1	0	0.128089	0	1	1
Bcl9l_j5	1.17366	1.37276	0	1	1
Ddx6	0.751475	0	-1.79769e+308	1.39E-21	4.04E-19
Ddx6	0.154219	0	-1.79769e+308	1.56E-06	6.07E-05
XLOC_034255	0.125213	0.109493	0	1	1
Ift46_j3	11.0358	8.44419	0	1	1
Ift46_j5	2.24885	1.9631	0	1	1
Scn2b_j1	0.196949	0.106725	0	1	1
Scn4b_j4	6.84075	3.48214	0	1	1
Scn4b_j8	0.157676	0.0709236	0	1	1
Dscaml1_j2	0.0607318	0.0693945	0.192369	0.849059	1
Dscaml1_j6	0.191803	0.0959238	-0.999664	0.382063	0.712185
Sik3_j1	0.134992	0.194071	0	1	1
Sik3_j4	1.46722	0.740502	0	1	1
Zfp259_j2	1.99743	2.72883	0.450137	0.279041	0.627737
Bud13_j1	0.0990875	0.0272779	-1.86097	0.225172	1
Cadm1	4.18414	3.02014	0	1	1
Cadm1_j2	10.7121	8.32693	0	1	1

Cadm1_j1	5.71468	3.90477	0	1	1
Zw10_j3	1.03449	0.958532	-0.110015	0.823889	0.943114
Tmprss5_j1	1.03995	1.10481	0.0872897	0.803826	0.934948
Tmprss5_j5	1.01944	1.29048	0.340125	0.245532	0.592921
Tmprss5_j10	0.927672	0.717457	-0.370722	0.422922	0.738606
Fdxacb1_j1	1.43579	1.33238	-0.107835	0.642246	0.862006
Alg9_j2	3.08389	3.8995	0.338538	0.0499142	0.258155
XLOC_034289	0.0741153	0.0694175	-0.0944721	0.949857	1
4930550C14Rik_j6	3.80E-05	0.0772656	10.9907	0.982478	1
4930550C14Rik_j5	0.0675795	0.0388336	-0.799282	0.700073	1
Npat	1.89044	1.9155	0.0190001	0.89493	0.966853
Npat_j2	0.544044	0.489835	-0.151426	0.606893	0.845186
Slc35f2_j3	2.1945	1.20085	0	1	1
Idh3a_j2	32.0112	30.7153	0	1	1
Ireb2_j5	1.39854	0.360344	0	1	1
Psm4_j6	0.772363	0.691645	-0.159247	0.638164	0.859943
Ube2q2_j1	0.154357	0.0805378	-0.938537	0.259801	0.608517
Ube2q2_j2	0.100264	0.260819	1.37925	0.0197947	0.139854
Al118078_j1	0.179409	0.0242166	-2.88918	0.0678145	0.311748
Cspg4_j1	0.189167	0.058639	-1.68973	0.0048353	0.0494268
Man2c1_j6	9.15178	9.76569	0	1	1
Man2c1_j8	1.95157	1.83333	0	1	1
Ulk3_j2	0.381049	0.462336	0.278966	0.575037	0.828142
Ulk3_j1	0.506939	0.138929	-1.86747	0.0384115	0.218048
Ecd3_j1	1.44444	1.37651	-0.0694909	0.642285	0.862006
Stra6_j1	0.27815	0.572051	1.04028	0.0078532	0.0715826
Stra6_j6	0.129617	0 -1.79769e+308	0.0006063	0.0006063	1
XLOC_034335	0.199365	0.166838	-0.256964	0.62125	0.851543
Stoml1_j3	2.17121	0.001421	-10.5774	0.285888	0.634672
Hcn4_j1	2.49314	2.54429	0	1	1
Adpgk_j1	4.48979	5.40473	0.267574	0.126052	0.442123
Hexa_j2	5.04339	7.07548	0	1	1
Parp6_j2	4.95202	4.10717	0	1	1
Myo9a_j2	3.60989	2.87432	0	1	1
Uaca	2.47348	2.0106	0	1	1
Uaca_j9	0.179841	0	0	1	1
Tle3_j1	0.0882112	0.215417	0	1	1
Cln6_j1	5.74145	5.61327	-0.0325739	0.864364	0.956828
AK039256_j3	0.0676488	0 -1.79769e+308	0.0754506	0.0754506	1
AK039256_j2	0.0685378	0 -1.79769e+308	0.0729559	0.0729559	1
AK039256_j4	0.0829747	0.0615275	-0.431441	0.764312	1
Aagab_j2	14.4839	15.0724	0.0574612	0.592437	0.837865
Rpl4_j3	0.61404	0.339118	0	1	1
Megf11_j5	1.19314	0.271457	-2.13596	1.33E-15	2.89E-13
Igdcc4_j3	0.116363	0.01948	0	1	1
Pdcd7_j1	7.59705	7.59989	0.000538705	0.99771	0.999228
Gm514_j4	0.0534253	0 -1.79769e+308	0.0304335	0.0304335	1

Gm514_j5	0.0800282	0.0241782	-1.7268	0.269313	1
Mtfmt_j2	3.24387	3.32288	0.0347207	0.879412	0.961516
Csnk1g1_j4	0.329857	0.142108	-1.21485	0.0054518	0.0541942
Herc1_j1	0.905774	0.64182	0	1	1
Vps13c_j1	1.56544	0.905229	-0.790215	2.32E-07	1.13E-05
Vps13c_j7	1.29136	0.215561	-2.58272	1.83E-06	6.99E-05
Narg2_j1	0.304344	0.412338	0.438126	0.252508	0.600511
Narg2_j9	0.128164	0 -1.79769e+308		0.0206789	1
Aldh1a2_j1	0.0634769	0.0395089	-0.684052	0.641947	1
Rfx7_j2	2.72062	2.48167	-0.132626	0.306337	0.651661
Nedd4	65.6484	59.9207	0	1	1
Ccpg1	4.33371	3.50572	0	1	1
Ccpg1_j2	7.58071	6.92684	0	1	1
BC031353_j1	0.76922	0.317575	0	1	1
Arpp19	8.49653	7.1688	0	1	1
Bmp5_j1	0.347659	0.587394	0.756656	0.0677341	0.311526
Hmgcl1_j3	0.676455	0.602428	0	1	1
Elovl5_j4	0.651669	0 -1.79769e+308		0.0002966	0.0052953
AK050586_j4	0.122826	0.0377302	-1.70283	0.200408	1
Mto1_j1	1.71406	1.70625	-0.00658684	0.97932	0.993977
Senp6_j3	0.0747551	1.28354	0	1	1
Senp6	4.46802	1.71814	0	1	1
Myo6_j13	1.11982	1.3254	0.243163	0.282752	0.631354
XLOC_034443	0.160628	0 -1.79769e+308		0.0121847	0.0993548
Sh3bgrl2_j1	16.3527	12.448	-0.393609	0.0208574	0.145153
Sh3bgrl2_j3	0.149475	0.080387	-0.894868	0.380759	0.711587
Ttk_j1	0.049751	0.0296466	-0.746859	0.779888	1
Bckdhb	7.84531	6.12431	0	1	1
Cyb5r4_j5	4.93831	5.19415	0.072869	0.70925	0.894136
XLOC_034461	0.133497	0.077703	-0.780767	0.525795	1
XLOC_034463	0.200274	0.0487203	-2.03938	0.28034	0.629058
Bcl2a1a	0.200929	0.304649	0.600463	0.359903	0.695038
Rasgrf1_j2	0.10744	0.205544	0	1	1
Adamts7_j7	0.423821	0.327419	-0.372318	0.24742	0.594944
Adamts7_j6	0.0655152	0 -1.79769e+308		0.0016276	1
Adamts7_j15	0.145504	0.188109	0.370509	0.58501	0.833854
Plscr2_j1	1.48535	1.52183	0.0350007	0.92008	0.974938
Plscr2_j2	0.790538	0.994573	0.331244	0.509526	0.790813
Slc9a9_j3	1.79286	0.605621	0	1	1
XLOC_034483	0.133458	0.138563	0.0541635	0.946703	1
Pcolce2	16.9517	16.2486	-0.061113	0.583558	0.833132
Xrn1_j3	0.146745	0.210958	0	1	1
Xrn1_j1	0.279156	0.0693953	0	1	1
Tfdp2_j6	0.425252	0.0738481	0	1	1
Tfdp2_j2	1.33302	1.22341	0	1	1
XLOC_034491	0.295985	0.223092	0	1	1
AK089981_j2	0.109929	0.133577	0.281098	0.689575	1

Nmnat3	0.169109	0.040408	-2.06524	0.0960832	0.382758
Copb2_j2	20.2962	23.2965	0.198903	0.103746	0.399481
Cep70	0.176259	0.227407	0.367581	0.536556	0.80697
Cep70_j4	0.364245	0 -1.79769e+308		2.21E-05	0.0006002
Dzip1l	0.0904075	0.0220087	-2.03837	0.104898	1
Stag1	0.0960649	0.391069	0	1	1
Stag1_j3	0.30171	0.117669	0	1	1
Anapc13_j2	1.20618	0.759341	0	1	1
Amotl2_j2	0.295693	0	0	1	1
Slco2a1_j5	0.473541	0.558436	0.237902	0.510284	0.791044
Rab6b_j5	35.6758	8.95525	0	1	1
Topbp1_j1	0.784313	0.114685	-2.77376	2.00E-07	9.85E-06
Nphp3_j6	0.47602	0.483129	0.0213877	0.953278	0.986435
Nphp3_j9	0.239205	0.0552922	-2.1131	0.0335927	0.200268
Cpne4_j6	1.36694	0.947671	0	1	1
Mrpl3	8.13405	6.87956	-0.241657	0.101034	0.393603
Aste1_j2	0.457054	0.45905	0.00628508	0.98841	0.996486
Aste1_j6	0.757901	0.765807	0.0149719	0.934514	0.979958
Poc1a_j1	0.264344	0.409365	0.630968	0.194859	0.537245
Pcbp4_j1	0.425021	0.415287	0	1	1
Pcbp4_j6	83.2171	90.1873	0	1	1
Cacna2d2_j5	2.08624	8.71E-05	0	1	1
Mst1r_j7	0.609537	0.763123	0.3242	0.295677	0.642384
Uba7_j1	0.254873	0.305513	0.261457	0.558776	0.82019
Ip6k1_j7	0.0721473	0.0239923	-1.58837	0.283427	1
Gmppb_j1	0.149813	0	0	1	1
Amt_j5	0.0938995	0.0595305	0	1	1
Lamb2_j5	0.7427	0.473358	0	1	1
Lamb2_j6	0.603231	0.713842	0	1	1
Usp19_j10	12.8821	11.0578	0	1	1
Usp19_j12	1.89698	1.83822	0	1	1
Qars_j3	0.855381	0.69835	0	1	1
Impdh2_j4	1.3918	1.47754	0	1	1
Nckipsd_j1	0.130839	0 -1.79769e+308		0.005956	1
Nckipsd_j2	0.874234	0.255593	-1.77417	0.0029293	0.0338009
Celsr3_j1	1.3033	1.29407	0	1	1
Celsr3_j8	0.70055	1.13308	0	1	1
Celsr3_j16	4.61301	4.96953	0	1	1
Slc26a6	0.174208	0.0879808	-0.98555	0.258678	0.607449
Col7a1_j8	0.247608	0.190839	-0.375704	0.597381	0.840279
Pfkfb4_j1	0.308492	1.37149	2.15244	5.53E-13	8.21E-11
Pfkfb4_j2	0.954027	0.889684	-0.100737	0.816158	0.940221
Shisa5_j1	31.4641	33.4482	0.0882218	0.401069	0.724485
Ccdc51_j2	0.529253	0.352382	0	1	1
Plxnb1_j1	0.32142	0.364337	0	1	1
Plxnb1_j5	1.67706	2.29955	0	1	1
Nme6_j2	1.68972	0.740198	-1.1908	0.0093638	0.0816259

Nme6	1.50519	1.11849	-0.42839	0.29638	0.643089
Cspg5	0.826602	0.624056	-0.405517	0.317484	0.660796
Scap	0.0887259	0.0264212	0	1	1
Scap	0.242924	0.367108	0	1	1
Kif9_j1	0.320651	0.216872	-0.564156	0.242442	0.589952
Kif9_j2	0.121057	0.0468932	-1.36824	0.233573	1
Kif9_j11	0.178605	0	-1.79769e+308	7.02E-05	0.0015867
Ccdc12_j1	3.11009	3.78146	0.281986	0.357324	0.693209
Ccdc12_j2	0.428717	0.0994076	-2.1086	0.131174	0.450868
Myl3	0.610154	0.520764	-0.228544	0.58257	0.832835
Prss45_j1	0.185044	0.0926675	-0.997732	0.19684	0.539685
Als2cl_j9	0.057936	0	-1.79769e+308	0.005908	1
Als2cl_j13	0.086482	0.0167988	-2.36404	0.118057	1
Als2cl_j14	0.114443	0.0928422	-0.301777	0.709979	1
Ltf_j1	0.0832461	0	-1.79769e+308	0.0081158	1
Ltf	0.215852	0.225138	0.0607679	0.904376	0.96954
Clasp2_j9	0.122391	0.0501086	0	1	1
AK015855	0.110657	0.0863339	-0.358101	0.761992	1
Osbpl10_j6	0.530378	0	0	1	1
XLOC_034603	0.158587	0.0507155	0	1	1
XLOC_034603	0.177112	0.0540294	0	1	1
Azi2_j1	9.83556	10.1184	0	1	1
AK039053	0.139146	0.127749	0	1	1
XLOC_034607	0.140068	0.0625263	-1.16359	0.312128	0.65658
Golga4_j9	2.37779	2.70158	0.184186	0.208663	0.552726
Dlec1_j1	0.0475304	0.0221342	-1.10258	0.448963	1
Dlec1_j10	0.155283	0.110283	-0.493689	0.591768	0.83732
Acaa1a_j2	0.179154	0.255787	0	1	1
XLOC_034614	0.219032	0.0931895	0	1	1
Xylb_j2	0.729346	0.639438	-0.189799	0.557433	0.819674
Acvr2b_j4	0.102548	0.0391608	-1.38881	0.162282	1
Acvr2b_j6	0.0835703	0.0112327	-2.89528	0.665463	1
Exog	0.156954	0.191372	0	1	1
Ttc21a_j3	0.130643	0.105218	-0.312247	0.608323	1
Rpsa_j2	7.92021	9.86802	0	1	1
Myrip_j4	0.489209	0.263579	0	1	1
Ctnnb1_j2	0.840986	0.0618616	0	1	1
Trak1_j12	4.7291	4.36107	0	1	1
XLOC_034635	0.189461	0.102486	-0.886475	0.223848	0.571034
Nktr_j5	0.151813	0	-1.79769e+308	1.14E-11	1.37E-09
Nktr_j6	0.539774	0.286353	-0.914562	0.0005145	0.008334
Fam198a_j1	0.712775	0.744711	0	1	1
XLOC_034640	0.0663276	0.0620438	0	1	1
Snrk_j1	5.00077	3.89407	0	1	1
XLOC_034646	0.80126	1.03505	0.369361	0.057994	0.282571
Zfp167_j3	0.0313342	0.170279	2.44209	0.003705	0.0406529
Zfp167_j5	0.444711	0.324877	-0.452972	0.242657	0.590089

XLOC_034649	0.17316	0.107455	-0.688379	0.329648	0.671845
Kif15_j8	0.19684	0.0602616	-1.70771	0.208418	0.552377
Exosc7_j1	0.927868	1.52867	0.720286	0.0439021	0.238536
Lars2_j1	0.386553	0.294957	-0.390163	0.358481	0.693858
XLOC_034654	0.189048	0.150187	-0.331994	0.511351	0.791501
Gria4_j1	0.398163	0.152384	0	1	1
Dync2h1_j5	0.16699	0.058333	-1.51738	0.0708199	0.319869
Dync2h1_j6	0.57334	0.410362	-0.482494	1	1
Dync2h1_j11	0.087778	0.0312084	-1.49193	0.305646	1
Birc2_j4	0.207051	0 -1.79769e+308		1.02E-05	0.0003147
Birc3_j2	0.284645	0.166742	-0.771541	0.130831	0.450359
Birc3_j3	0.0801836	0 -1.79769e+308		0.0588282	1
Yap1_j2	1.23025	1.33897	0	1	1
Arhgap42_j3	0.55959	1.71571	0	1	1
Cntn5_j1	0.0953953	0 -1.79769e+308		0.0055082	1
Cntn5_j2	0.476746	0.187957	-1.34282	0.0001794	0.0035084
Fat3_j1	0.465825	0.376912	0	1	1
Fat3_j6	0.100943	0	0	1	1
Naalad2	0.127871	4.62E-05	-11.4339	0.919826	1
Zfp558_j8	0.087459	0.0819481	-0.093898	0.926384	1
Zfp560_j1	0.312121	0.320591	0.0386301	0.923393	0.97612
Zfp26_j2	0.374204	0.276892	0	1	1
Zfp426_j4	1.23653	0.8368	0	1	1
Zfp426	1.86837	1.80338	0	1	1
Zfp426	2.94144	2.10401	0	1	1
Zfp266_j1	3.02978	2.95375	0	1	1
Col5a3_j10	2.78065	4.77179	0	1	1
Col5a3	20.0495	39.9658	0	1	1
Angptl6_j1	0.193995	0.195913	0.0141976	0.972428	0.991962
Dnmt1_j1	2.30223	3.06186	0	1	1
Tyk2_j6	0.803754	0.354531	0	1	1
Yipf2_j3	0.289955	0.240431	0	1	1
Yipf2_j2	0.43444	0.278023	0	1	1
Yipf2_j4	0.247937	0.412694	0	1	1
Spc24_j1	0.216468	0.0872094	-1.3116	0.259972	0.608587
Dock6_j7	2.48306	2.22517	0	1	1
Dock6_j8	0.47799	0.662586	0	1	1
Dock6_j2	8.54E-05	0.135307	0	1	1
Epor_j1	0.153982	0.0770303	-0.999263	0.293678	0.640505
Rgl3_j7	0.380512	0.623884	0.713338	0.194208	0.536599
Rgl3	0	0.209153 1.79769e+308		0.0007236	0.0110257
Ecsit	2.02654	2.46603	0.283171	0.19521	0.537515
Acp5	0.0837268	0 -1.79769e+308		0.0329879	1
Acp5	0.155811	1.75E-05	-13.1178	0.990007	0.996938
Anln_j2	0.141488	0.138127	-0.034688	0.944169	0.983317
Adamts15_j2	0.415199	0.363108	0	1	1
Adamts15_j4	1.09577	0.592028	0	1	1

Aplp2_j1	0.126523	0	0	1	1
A130066N16Rik_j1	0.137515	0.0887598	-0.631612	0.486448	0.777646
A130066N16Rik_j2	0.206685	0.0928196	-1.15493	0.0822336	0.349391
Tirap	0.63563	0.844083	0.409197	0.116887	0.425121
Tirap_j5	0.185995	0.151135	-0.299424	0.599095	0.841178
Fam118b_j1	1.17293	1.124	0	1	1
Chek1	0.0823373	0.0420272	-0.970224	0.3987	1
Pknox2_j6	0.175488	0	0	1	1
Ccdc15_j6	0.134229	0 -1.79769e+308		0.0095628	1
Ccdc15_j7	0.0622826	0.0289647	-1.10453	0.446895	1
Ccdc15_j8	0.15656	0.120701	-0.375279	0.498902	0.7842
Gramd1b_j2	4.4981	3.13595	0	1	1
Gramd1b_j13	0.536164	0	0	1	1
Gramd1b	4.21029	2.87811	0	1	1
Gramd1b_j14	0.721485	0.039642	0	1	1
Ubash3b_j7	0.794542	0	0	1	1
Sc5d	7.61105	11.5956	0	1	1
Tecta_j1	0.000138531	0.18257	10.364	0.622371	0.852322
Tecta_j8	0.727197	1.18296	0.701987	0.0007095	0.0108443
Grik4_j5	2.1873	2.35565	0	1	1
Arhgef12_j1	0.968812	0.446197	0	1	1
Arhgef12	1.5962	0.271654	0	1	1
XLOC_034775	0.180801	0.0935529	-0.950549	0.461802	0.762986
XLOC_034775	0.478017	0 -1.79769e+308		1.08E-05	0.000331
XLOC_034776	0.225378	0.0737568	-1.6115	0.224157	0.571444
XLOC_034776	0.0779559	0.0587894	-0.407102	0.647686	1
Gm10687_j1	1.40339	1.47594	0	1	1
Nlrx1_j1	0.489242	0.533904	0	1	1
Hinfp_j5	0.253243	0.208203	0	1	1
Hinfp_j8	0.482735	0.322553	0	1	1
Vps11	6.88238	6.09732	0	1	1
Phldb1_j1	1.03876	0	0	1	1
Phldb1_j6	0.080893	0	0	1	1
Phldb1_j8	0.521957	0.339917	0	1	1
Arcn1_j1	0.0570874	0.0446318	0	1	1
Tmem25_j5	9.68639	10.6469	0	1	1
Tmem25_j3	8.58163	1.90343	0	1	1
Mll1_j2	0.213675	0.332546	0	1	1
Mll1_j3	0.133208	0	0	1	1
Il10ra_j1	0.439946	0.570442	0.374753	0.322262	0.665214
Cep164_j5	0.651183	0.63526	-0.0357176	0.903194	0.969087
Rnf214_j2	6.4769	6.6873	0	1	1
Rnf214	0.774527	0.726415	0	1	1
Sidt2_j5	6.64162	10.1054	0	1	1
Sidt2_j6	0.740294	0.211671	0	1	1
Pafah1b2_j2	0.305227	2.36261	0	1	1
XLOC_034805	0.341047	0.155111	-1.13666	0.151858	0.483219

XLOC_034805	0.175634	0.215777	0.296968	0.623272	0.852781
XLOC_034806	0.224218	0 -1.79769e+308		1.09E-06	4.42E-05
XLOC_034806	0.188157	0.038278	-2.29735	0.0371596	0.213498
Fam55b_j2	0.329457	0.135782	-1.2788	0.0457675	0.24486
Nnmt	0.187203	0.277546	0.568124	0.340647	0.680526
Htr3b_j2	0.163033	0 -1.79769e+308		0.0017237	0.0221971
Ncam1_j2	0.649263	1.68759	0	1	1
Pts_j1	2.76623	0.000725406	0	1	1
Pts_j2	3.15375	4.53441	0	1	1
Dixdc1_j1	0.0323245	0.073594	1.18696	0.160298	1
Dixdc1_j2	0.38567	0.227023	-0.76453	0.0340518	0.202084
SIK2_j1	0.584754	0.481137	-0.281382	0.257161	0.605957
Zc3h12c_j2	0.0736121	0 -1.79769e+308		0.0001143	1
Zc3h12c_j4	0.120767	0.0151743	-2.99252	0.0124375	1
Ddx10_j1	2.26759	0.341494	-2.73123	5.51E-08	3.21E-06
Atm_j5	0.252983	0.179874	0	1	1
Acat1_j1	8.1048	7.48109	-0.115528	0.486213	0.777426
Acat1	36.8044	34.0072	-0.114039	0.225406	0.572498
Rab39_j2	0.406597	0 -1.79769e+308		2.05E-11	2.36E-09
Elmod1_j2	3.01111	5.5648	0.886033	1.45E-05	0.0004252
Acsbg1_j2	2.83593	3.40861	0	1	1
Acsbg1_j3	15.2042	13.7193	0	1	1
Chrn4_j2	0.679184	0.493337	-0.46123	0.153214	0.485433
Snx33_j1	0.325458	0.268604	-0.276992	0.579908	0.83125
Neil1_j9	0.501515	0.302773	-0.728056	0.223371	0.570386
Neil1_j10	0.471694	0.521496	0.144803	0.721113	0.90017
Mpi	0.0999315	0.432919	2.11509	3.02E-08	1.89E-06
XLOC_034869	0.22101	0.316519	0.518184	0.36853	0.701791
Csk_j4	30.4824	33.5642	0.138944	0.148176	0.477008
Clk3_j4	0.860784	2.46174	1.51596	1.35E-12	1.89E-10
Clk3_j9	3.51694	3.13339	-0.166598	0.481661	0.775249
Arid3b_j4	0.352028	0.281965	-0.320174	0.496138	0.783139
2410076I21Rik_j1	0.414019	0.216604	0	1	1
Bbs4_j4	0.0376686	0.11633	0	1	1
Bbs4_j5	5.69576	4.43706	0	1	1
Senp8	0.274262	0.164469	0	1	1
Thsd4_j1	0.501134	0.382571	-0.389469	0.142687	0.469414
AK038653_j11	0.275452	0.161251	-0.772497	0.24797	0.595267
Lrrc49_j4	2.69912	1.64677	-0.712849	0.0099385	0.0853084
Lrrc49_j5	1.64261	12.8108	2.96331	0	0
Kif23_j3	0.753507	0.447976	-0.750198	0.0055364	0.0548342
Paqr5_j4	1.44017	1.51718	0.0751575	0.758285	0.916885
2300009A05Rik_j1	0.560659	0 -1.79769e+308		0.0407089	0.22645
Smad6_j1	0.292395	0.275422	-0.0862773	0.916209	0.973929
Zwilch_j2	0.144799	0 -1.79769e+308		0.0004674	0.0076978
Rab11a_j1	1.46282	0.888746	-0.718908	0.0103826	0.0879275
Rab11a_j3	4.45972	2.20424	-1.01667	1.78E-15	3.74E-13

Snx22_j4	0.342946	0	0	1	1
Usp3_j1	0.821004	0.615722	0	1	1
Aph1b	1.76564	1.83871	0	1	1
Aph1c	1.84778	1.2395	0	1	1
Rab8b_j2	2.02913	1.60145	0	1	1
Lactb_j1	0.728674	0.58695	-0.312035	0.477987	0.77269
Tln2_j8	0.169149	0	0	1	1
Tln2_j10	0.086147	0.0367842	0	1	1
Tln2_j13	0.10096	0.0445028	0	1	1
Fam81a_j1	4.61006	3.49354	0	1	1
XLOC_034925	0.0567007	0.0299172	-0.92239	0.682433	1
Ccnb2_j1	0.19186	0.203668	0.0861672	0.941288	0.982153
Rnf111_j6	0.589126	0.873973	0	1	1
Rnf111_j5	0.165361	0.543175	0	1	1
Fam63b_j1	7.92666	7.30895	0	1	1
Grinl1a	4.23387	7.30789	0.787478	7.38E-06	0.000238
Cgnl1_j2	2.01147	0.67597	0	1	1
Cgnl1_j3	2.43847	1.70109	0	1	1
Tcf12_j9	0.30869	0.298076	0	1	1
Tex9	0.721726	0.364353	-0.986116	0.0064548	0.0619057
Gm5918	4.77732	4.77094	0	1	1
Pigb_j2	0.81148	0.488241	0	1	1
Unc13c_j4	0.0717361	0.0319671	0	1	1
Unc13c_j6	0.263285	0	0	1	1
Scg3_j1	1.01888	0.9731	0	1	1
Scg3_j3	2.90151	1.9305	0	1	1
Scg3_j6	1.16467	0.818766	0	1	1
Scg3_j9	66.0399	66.6198	0	1	1
Hcrtr2	0.522353	0.220328	-1.24537	0.0533008	0.268707
2310046A06Rik_j7	0.610409	0.356553	-0.775662	0.198165	0.54132
Lrrc1_j3	0.958713	0.744432	-0.364958	0.30892	0.653784
Fbxo9_j2	0.49795	0.608761	0.289875	0.659869	0.870883
Ooep_j6	1.90574	1.94352	0.028321	0.939936	0.981777
Eef1a1_j3	1.8582	2.9057	0.644976	0.0095372	0.0826638
Col12a1_j3	0.295774	0.190572	-0.634156	0.0333639	0.19941
Col12a1_j4	0.216534	0.30291	0.484296	0.128588	0.446769
Filip1_j2	0.181632	0 -1.79769e+308		1.09E-09	9.09E-08
Phip_j5	0.356794	0.121873	0	1	1
Lca5_j1	0.545599	0.295061	-0.886824	0.0473752	0.250002
Lca5_j2	0.106798	0.0332973	-1.68142	0.121898	1
Fam46a	0.0663974	0.0782144	0.236308	0.75688	1
Ube2cbp_j6	0.094947	0.046428	-1.03213	0.446991	1
Ube2cbp_j5	0.0814191	0 -1.79769e+308		0.0208425	1
Pgm3_j1	0.618218	0.625475	0	1	1
4922501C03Rik_j1	0.40217	0.305941	-0.39455	0.366578	0.700205
4922501C03Rik_j2	0.206752	0 -1.79769e+308		1.12E-11	1.34E-09
Gm2382	1.32599	1.22707	-0.111857	0.82943	0.944941

Gm2382_j2	1.78879	2.35527	0.39691	0.372764	0.705702
Gm2382_j3	0.63015	0.47977	-0.393352	0.630317	0.856283
Morf4l1_j3	0.954022	0.489568	-0.962512	0.0484855	0.253476
Morf4l1_j4	2.40567	2.55185	0.0851054	0.748405	0.912432
Morf4l1_j9	0.10428	0 -1.79769e+308		0.15532	1
2610101N10Rik	0.60639	0.494969	0	1	1
2610101N10Rik_j1	1.61007	1.61576	0	1	1
Trpc1_j2	0.492763	0.260914	0	1	1
Pls1	1.51535	2.14505	0	1	1
Atp1b3_j6	10.5869	7.82799	0	1	1
Atp1b3_j7	0.278689	0.208321	0	1	1
XLOC_034997	0.0846083	0 -1.79769e+308		0.0772961	1
XLOC_034997	0.089341	0 -1.79769e+308		0.0175285	1
XLOC_034997	0.238964	0.142304	-0.74781	0.155174	0.488311
Zbtb38	1.14509	2.06849	0	1	1
Zbtb38_j6	0.811701	1.96346	0	1	1
Spsb4_j1	1.10093	1.2093	0.135448	0.717945	0.898424
Slc25a36_j1	0.553949	0.387473	0	1	1
Clstn2_j3	3.37193	3.00713	0	1	1
Esyt3_j8	0.234034	0.248796	0.0882447	0.841737	0.949995
Esyt3_j7	0.15262	0 -1.79769e+308		9.67E-06	0.0003015
Mras_j4	2.4309	6.54681	1.4293	0	0
Armc8	2.46666	2.40698	-0.0353371	0.85828	0.954952
Ephb1_j1	0.162871	0.0758864	-1.10182	0.127242	0.444464
Cdv3_j2	4.63026	3.90111	0	1	1
Cdv3_j3	0.865243	0.430024	0	1	1
Cdv3_j4	3.01645	2.62744	0	1	1
Tmem108_j3	0.452372	0.238607	0	1	1
Uba5_j1	0.407962	0.601515	0.560166	0.224117	0.571421
Dnajc13_j5	1.84042	2.00435	0	1	1
Acpp_j3	46.5412	39.9231	0	1	1
Acpp_j4	36.7445	25.0118	0	1	1
Nek11_j4	0.08161	0 -1.79769e+308		0.0105925	1
Gm5621	3.0819	4.05659	0.396448	0.108486	0.409522
Ppm1m_j2	0.792049	1.0353	0.386385	0.343746	0.683717
Acy1_j2	0.862725	1.06065	0.29797	0.383429	0.713038
Acy1	0.791791	0.753987	-0.0705797	0.857898	0.954916
Parp3_j5	0.091915	0	0	1	1
Dock3_j4	1.24228	0.210232	-2.56294	8.88E-16	1.98E-13
Dock3	1.38361	0.543267	-1.3487	3.68E-09	2.79E-07
Mapkapk3_j1	0.133428	0.261099	0.968528	0.181198	0.521104
Mapkapk3_j6	0.201573	0.212986	0.0794521	0.91532	0.973525
Mapkapk3_j7	0.247171	0.100536	-1.2978	0.139921	0.465344
Hemk1_j1	0.794804	0.924709	0.218401	0.497817	0.783786
Hemk1	1.25449	1.27262	0.0206992	0.939542	0.981578
Sema3b_j2	0.271288	0.222916	-0.283328	0.539727	0.80852
Sema3b_j5	0.538837	0.400314	-0.428717	0.368365	0.701715

Gnai2_j2	7.1296	10.058	0	1	1
Gnai2_j3	19.1108	22.9107	0	1	1
Sema3f_j3	5.45679	0.602373	0	1	1
Rbm5_j1	7.82759	10.5274	0	1	1
Rbm5_j2	2.46153	2.06735	0	1	1
Rbm6_j2	0.228788	0.183585	-0.317561	0.497691	0.783786
6230427J02Rik_j1	0.554296	0.542196	-0.0318402	0.889501	0.964965
Apeh	15.2824	14.8441	-0.0419797	0.693519	0.886761
P4htm_j4	14.1206	11.9704	0	1	1
Arih2_j1	0.227118	0.235289	0	1	1
Atrip_j9	1.2705	1.65309	0.379776	0.0890558	0.365717
Atrip_j10	3.26291	3.46919	0.0884389	0.584465	0.833461
Ccdc72_j3	7.72275	6.65953	0	1	1
Ccdc72_j2	5.4835	12.775	0	1	1
Dhx30_j1	0.303743	0.406086	0	1	1
Ptpn23_j1	0.170819	0	0	1	1
Ptpn23_j2	0.595483	0.436325	0	1	1
Ptpn23_j3	5.03865	6.96756	0	1	1
Klhl18_j4	1.4946	1.96338	0	1	1
Nbeal2_j1	0.0865615	0.112487	0	1	1
Nbeal2_j2	0.342457	0.310136	0	1	1
Nbeal2_j3	0.0706588	0.146049	0	1	1
Mlh1_j4	0.977585	0.89698	-0.124147	0.755932	0.915824
Stac_j2	0.685273	1.21109	0	1	1
Arpp21_j3	3.78352	2.44018	-0.63274	0.0133626	0.106021
Rbms3_j3	28.1841	23.575	0	1	1
Rbms3_j4	4.851	5.0568	0	1	1
Plcd1_j3	0.0706403	0.244075	0	1	1
9330176C04Rik_j3	0.14657	0.119118	0	1	1
Oxsr1_j1	6.64581	7.24994	0	1	1
Scn5a_j1	0.267452	0.166357	-0.684996	0.178163	0.517661
Scn10a_j6	1.18003	0.414264	-1.51019	3.42E-07	1.59E-05
Scn11a_j3	73.4798	70.8869	-0.0518292	0.554654	0.817684
Ulk4_j8	0.0650174	0 -1.79769e+308	0.0354798		1
Ulk4_j16	0.0466219	0 -1.79769e+308	0.106582		1
Sec22c_j1	0.17774	0	0	1	1
XLOC_035127	0.152647	0.0720699	0	1	1
XLOC_035127	0.0738922	0.00994828	0	1	1
Ano10_j2	0.374045	0.83884	0	1	1
Gm10606_j1	0.197579	0.15741	-0.327902	0.548639	0.814261
XLOC_035130	0.120757	0 -1.79769e+308	0.023416		1
XLOC_035131	0.184554	0.0760166	-1.27965	0.132863	0.453727
XLOC_035131	0.0438526	0.408135	3.21831	8.32E-05	0.0018321
Zfp445_j2	4.49862	3.4066	0	1	1
Slc6a20a	0.179887	0.190648	0.083814	0.88682	0.964085
Fyco1_j2	0.049471	0.0174861	-1.50038	0.180679	1
Cwf19l2_j1	1.7997	1.59236	0	1	1

XLOC_034122	0.126597	0.0900855	-0.490871	0.678627	1
XLOC_034122	0.574274	0.656018	0.191997	0.389584	0.716725
Casp4	0.394214	0.40545	0.040544	0.933977	0.979958
Dcun1d5_j1	0.382472	0.438632	0.197657	0.555853	0.818579
Dcun1d5_j2	22.5606	22.2747	-0.0183985	0.895486	0.96693
Trpc6_j2	1.04482	0.5971	-0.807207	0.0228128	0.154266
Maml2	1.09137	1.04164	-0.0672755	0.764336	0.919184
Fam76b_j4	0.000203546	0.287348	0	1	1
Gpr83_j2	0.272301	0.253765	-0.101712	0.849679	0.952228
BC017612_j2	0.0799301	0.0500893	-0.674237	0.725154	1
BC017612_j4	0	1.74005	1.79769e+308	4.32E-06	0.0001488
Slc36a4_j2	2.06298	1.90431	0	1	1
Zfp317_j1	0	0.070831	0	1	1
Zfp317_j4	0.126748	0.080069	0	1	1
Zfp317_j2	0.0658213	0.121087	0	1	1
5730577103Rik_j1	0.0958498	0.0902202	0	1	1
5730577103Rik_j4	0.0198399	0.0572183	0	1	1
Ubl5	0.0875109	0.146386	0	1	1
Icam4	0.0491763	0.121268	1.30216	0.335576	1
Pde4a	0	0.292793	1.79769e+308	2.17E-05	0.0005932
Dnm2_j9	4.54118	6.96206	0	1	1
Carm1_j3	2.30316	3.75811	0	1	1
Bbs9_j10	0.030516	0.12481	2.0321	0.201936	1
Sept7_j3	7.30895	6.60944	-0.145135	0.351753	0.688957
Thyn1_j3	2.35464	2.30638	-0.0298754	0.937971	0.980993
Igsf9b_j3	0.0536607	0.139256	0	1	1
Opcml_j3	0.402304	0.140601	-1.51668	0.0002715	0.0049278
Opcml_j5	1.93826	1.02373	-0.92093	7.98E-06	0.0002541
Prdm10_j11	0.0842636	0.381294	2.17792	5.16E-05	0.0012259
Nfrkb_j4	0	0.0921649	1.79769e+308	0.0147216	1
Nfrkb_j8	1.72219	2.77709	0.68933	0.0088487	0.0782273
Arhgap32_j2	0.0804429	0.313924	1.96438	1.10E-06	4.46E-05
Ets1_j3	5.57E-05	0.271621	0	1	1
Srpr_j3	0	0.0985767	0	1	1
Pus3_j1	3.69473	3.37437	-0.130852	0.431926	0.74396
XLOC_034212	0.214259	0.063471	-1.75519	0.0536388	0.269794
XLOC_034212	0.00419524	0.0729825	4.12072	0.0398348	1
XLOC_034213	0.288469	0.226634	-0.348051	0.485446	0.777011
Robo4_j6	0.0325602	0.243773	2.90436	0.0927599	0.374764
Esam_j2	1.07716	1.32375	0.297408	0.185301	0.525537
Vwa5a_j1	5.21223	4.47255	-0.220806	0.0283779	0.179076
XLOC_034221	0.140099	0.207926	0.569616	0.594006	0.838368
Zfp202_j1	0	0.0677308	1.79769e+308	0.0261704	1
Scn3b_j3	0.519153	0.9294	0	1	1
9030425E11Rik_j3	11.6818	13.088	0.163981	0.114775	0.421532
XLOC_034229	0.0579423	0.0920036	0.667073	0.506972	1
AK014147_j4	0.269023	0.237857	-0.177635	0.843804	0.950589

2610203C20Rik_j1	3.1017	3.92336	0.339028	0.0616902	0.293593
XLOC_034236	0	0.121721 1.79769e+308		0.0182528	1
Hyou1_j2	2.15015	2.11252	-0.0254717	0.903508	0.969103
Slc37a4_j2	2.12548	1.90406	-0.158703	0.550227	0.815285
Slc37a4_j8	0.423244	0.801633	0.921453	0.0670913	0.309734
Bcl9l_j6	1.90332	1.6048	0	1	1
Ddx6_j2	1.00283	2.11844	1.07893	3.69E-08	2.25E-06
XLOC_034258	0.464929	0.366896	-0.341636	0.60454	0.843983
Mpzl2	0.0141204	0.0834046	2.56234	0.316786	1
Scn4b_j3	23.4181	16.1814	0	1	1
Scn4b_j9	24.6073	19.9258	0	1	1
Fxyd6_j4	0	0.148977	0	1	1
Zfp259_j1	5.94377	7.63625	0.361485	0.0697702	0.316921
Bud13_j3	0.177752	0.145556	-0.288291	0.66246	0.872014
Bud13_j4	0.176355	0.142797	-0.304522	0.711878	0.895433
2900052N01Rik_j2	0.709769	0.549244	-0.369902	0.405815	0.727432
Cadm1_j3	0	0.0658321	0	1	1
Cadm1_j5	0	0.139394	0	1	1
XLOC_034277	0	0.0509745 1.79769e+308		0.123638	1
Zw10_j1	1.17879	1.02493	-0.201784	0.488953	0.779321
Tmprss5_j2	0.328125	0.741191	1.1756	0.0114872	0.0949064
Tmprss5_j3	0.128628	0.207179	0.687667	0.364932	0.698811
Drd2_j2	0.0581574	0.0939042	0.691228	0.411803	1
Drd2_j7	0	0.0908602 1.79769e+308		0.0570648	1
1600029D21Rik_j2	0.11417	0.289764	1.34369	0.112681	0.417778
Arhgap20_j1	0.052595	0.2413	0	1	1
4930550C14Rik_j1	0	0.0541417 1.79769e+308		0.136128	1
Slc35f2_j2	0.218874	0.994809	0	1	1
Slc35f2_j4	0.177311	0.746634	0	1	1
Ireb2_j3	2.11904	2.13253	0	1	1
Ireb2_j4	7.5928	8.66644	0	1	1
Agphd1_j2	0.0386788	0.0529648	0.453491	0.646508	1
Ube2q2_j6	0	0.155367 1.79769e+308		0.0548055	1
Ube2q2_j9	0.350481	0.450168	0.361126	0.446381	0.753343
Al118078_j5	0	0.0602899 1.79769e+308		0.108595	1
Hmg20a_j2	9.00783	9.27715	0.0425016	0.749795	0.913026
Man2c1_j1	3.11637	3.27813	0	1	1
Cox5a_j4	94.4129	95.1795	0	1	1
Edc3	3.67292	3.24422	-0.179058	0.274657	0.623768
Stra6	0.0387038	0.128273	1.72868	0.038002	1
Stra6_j3	0.203314	0.347177	0.771962	0.131935	0.451901
Stoml1_j1	6.79866	9.83422	0.532559	0.0011045	0.0154617
Parp6_j5	0.314703	0.517477	0	1	1
Pkm2_j1	130.921	125.181	0	1	1
Pkm2_j2	22.517	26.6106	0	1	1
Pkm2_j3	95.0042	114.011	0	1	1
Gramd2_j2	0.0923979	0.1164	0	1	1

Gramd2_j5	0.0911891	0.365949	0	1	1
Uaca_j3	0	0.0819133	0	1	1
Uaca_j8	6.53649	5.64873	0	1	1
Uaca_j11	1.73872	3.28849	0	1	1
Anp32a_j4	0	0.550715	0	1	1
AK039256_j1	0	0.0578386 1.79769e+308		0.148742	1
Rpl4_j4	82.8425	95.9603	0	1	1
Dennd4a_j1	1.95318	2.71613	0	1	1
2010321M09Rik_j1	3.08593	2.91761	0	1	1
Igdcc4_j6	0.614352	0.619094	0	1	1
Igdcc3	0.238427	0.200758	-0.24809	0.600122	0.841571
Igdcc3_j2	0	0.106685 1.79769e+308		0.0052375	1
Cilp_j1	0	0.0738424 1.79769e+308		0.0154402	1
Clpx_j1	0.11082	0.240737	0	1	1
Gm514_j2	0	0.0864528 1.79769e+308		0.0076131	1
Rasl12_j3	0.140491	0.418032	1.57314	0.0153415	0.116931
Rbpms_j1	0.0782758	0.214372	1.45348	0.195369	0.537741
Csnk1g1_j3	0.130548	0.135999	0.0590263	0.906399	1
Csnk1g1_j2	0	0.0948467 1.79769e+308		0.002305	1
Vps13c_j4	0	0.353558 1.79769e+308		3.87E-13	5.92E-11
Vps13c_j6	1.17622	1.17475	-0.00181027	0.993041	0.997985
Anxa2_j2	1.12743	0.928964	0	1	1
Myo1e_j6	0.0354864	0.0501492	0.498961	0.712661	1
Sltm_j7	0.342618	0.410677	0	1	1
Adam10_j1	15.1662	18.206	0	1	1
Dyx1c1_j3	0	0.0491415 1.79769e+308		0.115305	1
Dyx1c1_j4	0.0582166	0.06759	0.215379	0.887629	1
Ccpg1_j3	13.6842	14.1335	0	1	1
Rsl24d1_j1	0.150626	0.0353766	-2.0901	0.356174	0.692081
Rsl24d1_j3	6.19974	8.21627	0.406276	0.0281176	0.177947
Wdr72_j2	0.80739	0.205034	-1.9774	3.39E-05	0.0008576
BC031353	0.334799	0.451453	0	1	1
BC031353_j4	0.251043	0.353502	0	1	1
Arpp19_j1	17.8803	18.1504	0	1	1
Leo1_j2	0.62369	0.407617	-0.613614	0.337389	0.677935
XLOC_034422	0	0.0879458 1.79769e+308		0.0467431	1
Gclc_j2	3.65652	3.24832	0	1	1
Elovl5_j2	0	0.0914864 1.79769e+308		0.150998	1
Ick_j1	0	0.202322	0	1	1
AK050586_j6	0	0.209743 1.79769e+308		0.0187776	0.135057
AK146160	0.127441	0.200421	0.65321	0.225432	0.572498
Senp6_j1	0.966644	1.15458	0	1	1
XLOC_034440	0.10842	0.171312	0	1	1
Myo6_j3	0.478834	0.351043	-0.447879	0.124871	0.440234
Myo6_j9	0.575358	0.508118	-0.179298	0.549191	0.814518
AK052495_j2	0	0.16759	0	1	1
Mei4_j1	0.0213138	0.0695728	1.70674	0.445426	1

XLOC_034449	0.0778113	0.245942	0	1	1
Sh3bgrl2_j4	62.2696	53.3653	-0.222627	0.0098858	0.08499
Ttk_j2	0.0530075	0.0978006	0.883646	0.472053	1
Tpbg	0.0365887	0.118328	1.69332	0.0844781	1
Tpbg	0	0.21487	1.79769e+308	0.0003905	0.0066457
Dopey1_j3	0.0533475	0.0808774	0	1	1
Dopey1_j5	5.92675	5.26783	0	1	1
Rwdd2a_j1	0.11735	0.504284	2.10342	0.0041971	0.0444142
AK046134	0.656967	0.552186	-0.250665	0.425904	0.740786
Cyb5r4_j4	0.230526	0.393507	0.771462	0.260626	0.609434
Mrap2_j2	0	0.0946757	1.79769e+308	0.051618	1
Mrap2_j4	0	0.0902752	1.79769e+308	0.0442086	1
Mrap2_j5	0	0.159875	1.79769e+308	0.0187137	0.134697
Nt5e_j1	12.9878	11.9306	-0.122494	0.259725	0.608472
Mthfs_j3	1.31992	1.10089	-0.261786	0.58272	0.832835
XLOC_034471	0.354434	0.167321	-1.0829	0.310347	0.655096
Rasgrf1_j6	0.493974	0.457807	0	1	1
Adamts7_j5	0	0.287938	1.79769e+308	6.29E-07	2.77E-05
Adamts7_j3	0.0510274	8.03E-05	-9.31151	0.855615	1
Adamts7_j11	0	0.0940206	1.79769e+308	0.0087813	1
Zic4_j1	0.0412845	0.138211	1.7432	0.105907	1
Plscr1_j1	0.140661	0.230682	0.71368	0.39534	0.720466
Plod2_j5	0.389849	0.624033	0.678708	0.157557	0.491628
XLOC_034485	0.525914	0.482689	-0.123734	0.825882	0.94384
Xrn1_j10	0.373029	0.382855	0	1	1
Gk5	0.271613	0.360508	0.408482	0.166497	0.502925
Tfdp2_j1	0	0.115463	0	1	1
AK089981_j1	0.199257	0.332907	0.740485	0.161242	0.496147
AK089981_j4	0.325293	0.507992	0.643068	0.179708	0.519364
XLOC_034508	0.423007	0.418367	0	1	1
Ryk_j2	2.54705	3.37864	0	1	1
Slco2a1	0.20743	0.204202	-0.0226252	0.956924	0.987617
Slco2a1_j3	0.361308	0.419352	0.214934	0.598238	0.840659
Rab6b_j1	27.5409	53.663	0	1	1
Nphp3_j7	0.180522	0.266612	0.562572	0.297308	0.643881
Nphp3_j10	1.28882	1.14611	-0.169305	0.57603	0.828686
Mrpl3_j1	0.262598	0.0679022	-1.95133	0.111615	0.415753
Aste1_j1	0.347814	0.325465	-0.0958131	0.836401	0.947564
Aste1_j5	0.426783	0.42364	-0.0106612	0.986794	0.99622
Tlr9	0.106331	0.101467	-0.0675434	0.923523	1
Cacna2d2_j2	0.10295	0.135855	0	1	1
Cacna2d2_j11	0.0164433	0.0738087	0	1	1
Hyal2_j2	3.76642	3.98116	0.0799954	0.660937	0.871443
Hyal1_j1	2.73953	3.95347	0.529194	0.0002104	0.0040027
Ifrd2_j2	0.221169	0.376667	0.768137	0.207366	0.551881
Mst1r	0	0.313946	1.79769e+308	3.19E-06	0.0001148
Traip_j6	0.102684	0.0883026	-0.217684	0.82295	1

Uba7_j2	0.996502	0.976625	-0.0290667	0.910833	0.972011
Ip6k1_j10	0.0612864	0.0491889	-0.317233	0.815927	1
Rhoa_j1	6.20556	10.8365	0	1	1
XLOC_034551	0.121962	0.151737	0	1	1
Qrich1_j2	2.33777	2.29716	0	1	1
Impdh2_j6	0.0640278	0.125869	0	1	1
Nckipsd_j4	1.20134	2.00588	0.73959	0.0184942	0.133551
Slc26a6_j4	0.0435444	0.196352	2.17288	0.0145595	0.112504
Slc26a6	0.94883	0.639843	-0.568432	0.0562137	0.277405
Slc26a6_j3	0	0.102788	1.79769e+308	0.0157682	1
Col7a1_j1	0	0.139068	1.79769e+308	3.05E-05	1
Col7a1_j9	0.0718413	0.28813	2.00384	0.0811376	0.34681
Ccdc51_j1	3.03341	3.021	0	1	1
Plxnb1	1.061	1.04045	0	1	1
Nme6_j1	0.0654935	0	-1.79769e+308	0.0086147	1
Mtap4_j2	7.38098	10.2228	0	1	1
Mtap4_j3	3.24616	3.79579	0	1	1
Kif9_j3	0.183426	0.259669	0.501473	0.327506	0.670398
Kif9_j12	0.137687	0.397966	1.53126	0.0371945	0.213607
Setd2_j2	0.288649	0.122655	-1.23472	0.0044118	0.0462924
Ccdc12	0.0407734	0.0702786	0.785458	0.725414	1
Als2cl_j4	0	0.0673728	1.79769e+308	0.0094612	1
Als2cl_j5	0.12965	0.114106	-0.184253	0.729796	1
Als2cl_j15	0.000226363	0.27997	10.2724	0.767572	0.920744
Lrrc2_j1	0.0571756	0.365903	2.67799	0.0016829	0.0217398
Trank1_j2	3.02E-05	0.053591	10.7916	0.911538	1
Trank1	0.156416	0.128294	-0.285939	0.538888	0.80821
Clasp2_j11	18.0587	19.617	0	1	1
Osbpl10_j9	3.22509	1.78217	0	1	1
XLOC_034599	0.106637	0.16927	0.666615	0.559099	0.82044
Golga4_j6	0.137234	0.164088	0.257833	0.568897	0.825693
Itga9_j4	0.195555	0.245926	0.330648	0.497673	0.783786
Vill_j1	0.0111621	0.0931096	3.06032	0.0669747	1
Dlec1_j2	0	0.0480885	1.79769e+308	0.126848	1
Dlec1_j3	0	0.0742096	1.79769e+308	0.0619691	1
Dlec1_j8	0	0.0928559	1.79769e+308	0.0704692	1
Acaa1a_j6	0	0.105996	0	1	1
Acaa1a_j7	7.40447	9.08828	0	1	1
XLOC_034614	0.207416	0.28873	0	1	1
Xylb_j1	0.168354	0.36614	1.1209	0.0395053	0.222113
Acvr2b_j1	0.057983	0.0492587	-0.235253	0.847578	1
Rpsa_j6	1.48813	0.958173	0	1	1
Rpsa_j9	3.93758	11.7074	0	1	1
Myrip_j2	0	0.154716	0	1	1
Eif1b_j1	106.571	129.718	0.283567	0.0056989	0.0561351
Eif1b_j2	155.82	193.857	0.315117	0.0006228	0.00978
Rpl14_j4	0.0502146	0.157349	0	1	1

Rpl14_j6	0.573229	0.417744	0	1	1
Ctnnb1_j4	0.339255	0.421923	0	1	1
XLOC_034632	0.0817592	0.160128	0.969777	0.463089	0.763471
XLOC_034632	0.102175	0.112396	0.137546	0.898271	1
Trak1_j6	0.292836	0	0	1	1
Trak1_j8	4.53762	4.11223	0	1	1
XLOC_034640	0.0848141	0.0960121	0	1	1
Snrk_j5	0.474597	0.505747	0	1	1
Abhd5_j2	0.816875	1.77667	0	1	1
XLOC_034646	1.10317	1.14542	0.054215	0.76277	0.918318
XLOC_034646	0	0.282356	1.79769e+308	4.41E-09	3.31E-07
XLOC_034649	0.0816362	0.110383	0.43523	0.678358	1
XLOC_034654	0.10348	0.0908772	-0.187362	0.876993	1
Ccr5	0.217338	1.0734	2.30418	1.22E-10	1.22E-08
Dync2h1_j8	1.30207	0.935681	-0.476724	0.035956	0.209181
Dync2h1_j7	0.000156231	0.22512	10.4928	0.709382	0.89421
Birc2_j1	2.31767	3.00437	0.374387	0.145964	0.474022
Birc3_j5	0	0.0700584	1.79769e+308	0.12481	1
9230110C19Rik_j2	0.505556	0.92965	0	1	1
Cntn5_j3	0	0.058194	1.79769e+308	0.0134633	1
Cntn5_j4	0	0.168176	1.79769e+308	4.70E-05	0.0011336
Endod1_j2	1.06288	3.77341	0	1	1
Kdm4d_j1	3.05E-05	0.064264	11.042	0.947781	1
Kdm4d_j2	0.125363	0.0427027	-1.55372	0.103395	1
Amotl1_j1	9.84397	12.5976	0	1	1
Panx1_j3	0	0.731515	0	1	1
5830418K08Rik_j1	0.248588	0.427548	0.782331	0.0038344	0.0416327
5830418K08Rik_j2	0.239803	0.289605	0.272236	0.316464	0.660085
Fat3_j4	0.275273	0.320471	0	1	1
Fat3_j9	0.0183109	0.128919	0	1	1
Zfp558_j2	0.0603107	0.0267085	-1.17512	0.385103	1
Zfp558_j3	0.016138	0.0981625	2.60471	0.0490909	1
Zfp558_j9	0.0931136	0.135192	0.53795	0.672485	1
Zfp560_j3	0.305841	0.265233	-0.205518	0.635279	0.858544
Zfp26_j1	0.384287	0.475818	0	1	1
Zfp266_j5	0.000192569	0.234283	0	1	1
Fbxl12	1.23379	1.04047	0	1	1
Col5a3_j2	0.0608399	0.0893396	0	1	1
Col5a3_j1	0.601115	3.29289	0	1	1
Zglp1_j2	0	0.0644998	1.79769e+308	0.155103	1
Raver1_j8	3.32839	4.16814	0.324581	0.0570872	0.279916
Raver1_j9	1.24512	1.5781	0.341899	0.168323	0.504956
Tyk2_j8	0	0.826862	0	1	1
Kri1_j4	20.1433	22.3073	0.147217	0.0981422	0.387205
Ap1m2_j2	0.0231583	0.0541815	1.22627	0.590536	1
Ap1m2_j1	0.00412782	0.137044	5.05311	0.280501	1
Dock6_j1	0.125592	0.185322	0	1	1

Epor_j2	0.0769572	0.0310505	-1.30944	0.496213	1
Zfp653_j6	0.420641	0.876251	1.05876	0.000389	0.006625
Zfp653_j8	1.36888	1.10341	-0.311032	0.144275	0.471393
Anln_j3	0.213201	0.248864	0.223143	0.746802	0.911779
Anln_j4	0	0.0680117	1.79769e+308	0.0341571	1
Anln_j5	0.0241597	0.0820946	1.76468	0.11882	1
rp9_j2	8.7172	13.4962	0.630616	0.001129	0.0157636
Dpy19l1_j2	0	0.724311	0	1	1
Glb1l2_j2	0.0384316	0.124275	1.69317	0.0836387	1
Glb1l2	0.00020472	0.124852	9.25235	0.744157	1
Ntm_j4	3.18784	2.35779	-0.435141	0.0174667	0.128162
Adamts15_j3	4.00493	3.68175	0	1	1
Aplp2_j5	21.9718	20.5452	0	1	1
Tmem45b_j3	54.6779	50.4991	-0.114699	0.261599	0.610774
A130066N16Rik_j4	0.594123	0.788869	0.409024	0.131071	0.450644
Pknnox2_j7	0	0.179664	0	1	1
Ccdc15_j2	0.137019	0.13449	-0.0268691	0.972648	1
Ccdc15_j3	0.000176108	0.0564466	8.32428	0.82049	1
Gramd1b_j1	0.338923	0.535921	0	1	1
Gramd1b_j3	4.35732	1.61972	0	1	1
Gramd1b_j4	2.72243	1.11864	0	1	1
4931429l11Rik_j4	0.301062	0.573617	0.930026	0.0533938	0.268961
4931429l11Rik	0.968638	0.791606	-0.291174	0.377715	0.709365
Ubash3b_j4	13.7007	12.6636	0	1	1
Ubash3b_j5	1.20738	4.00946	0	1	1
Sorl1_j3	13.4125	13.7378	0	1	1
Tbcel	4.49727	5.13221	0	1	1
Tbcel_j3	0	0.0569446	0	1	1
Grik4_j2	1.05879	0.920571	0	1	1
Arhgef12_j6	1.91221	2.35923	0	1	1
Tmem136_j2	1.25354	1.12524	0	1	1
Tmem136_j1	0.17735	0.38877	0	1	1
XLOC_034776	0	0.121134	1.79769e+308	0.103547	1
Hinfj_j7	0	0.131209	0	1	1
Hmbs_j1	0.0479861	0 -1.79769e+308	0.0498868	0.0498868	1
Phldb1_j12	0.35517	0.359617	0	1	1
Phldb1_j13	0	0.156141	0	1	1
Phldb1_j15	0.0373785	0.371637	0	1	1
Phldb1_j14	0.052202	0.0376133	0	1	1
Phldb1_j16	0.112127	0.280779	0	1	1
Arcn1_j3	24.2539	21.8624	0	1	1
Mll1_j7	2.82983	3.10739	0	1	1
Cd3g	0.157158	0.296697	0.916771	0.205702	0.550145
Gm10684_j1	0.202532	0.0892704	0	1	1
Cep164_j9	2.41115	2.63295	0.126959	0.513041	0.792379
Cep164	0.614492	0.662358	0.108218	0.68781	0.883962
Cep164_j10	0.239664	0.274491	0.195749	0.576124	0.828702

Rnf214	0.20476	0.276388	0	1	1
Sidt2_j8	12.2501	15.7262	0	1	1
XLOC_034805	0	0.0871212 1.79769e+308	0.0516092		1
XLOC_034806	0.146785	0.134605	-0.124974	0.85289	0.953424
XLOC_034806	0	0.27448 1.79769e+308	2.07E-05	0.0005697	
Htr3a_j1	0	0.469582	0	1	1
Htr3b_j3	4.71586	3.93459	-0.261305	0.18389	0.524542
Htr3b_j4	0.591277	0.293415	-1.01089	0.0718265	0.322325
Sdhd_j1	70.1411	69.7636	-0.00778411	0.933724	0.979873
AU019823_j2	5.0421	5.7517	0.189964	0.174016	0.512054
Dixdc1_j3	0.057225	0.11496	1.00641	0.382713	1
1110032A03Rik_j1	17.064	15.7979	-0.111219	0.488923	0.779314
Gapdh_j1	0.153495	0.373365	1.2824	0.0209073	0.145317
Gapdh_j2	0	0.183926 1.79769e+308	0.0019827	0.0248178	
Zc3h12c_j8	0.446394	0.367533	-0.280442	0.352689	0.689516
Zc3h12c_j9	0	0.175681 1.79769e+308	7.62E-06	0.0002447	
Zc3h12c_j10	0.261476	0.241833	-0.112669	0.741324	0.909259
AI593442	14.5922	9.26744	0	1	1
Ddx10_j2	0.0874938	3.85567	5.46166	1.33E-15	2.89E-13
Cul5	6.64915	7.08241	0.0910722	0.392612	0.718796
Rab39_j1	0	0.0900176 1.79769e+308	0.0047183		1
XLOC_034847	4.25551	4.02504	-0.0803308	0.84679	0.951509
Wdr61_j1	2.34204	1.46876	0	1	1
Chrb4_j1	0	0.0633058 1.79769e+308	0.0389108		1
C230081A13Rik_j4	0.381806	0.523659	0.455785	0.124357	0.439475
Lingo1_j3	5.04793	3.31679	0	1	1
Neil1_j6	0.414271	0.361376	-0.197077	0.770173	0.921728
Neil1_j7	0.242232	0.276364	0.190181	0.788747	0.929506
Neil1	0.156491	0.390734	1.32011	0.214457	0.559857
Ppcdc_j2	1.03041	0.925593	0	1	1
Ppcdc	0.791006	1.17021	0	1	1
Scamp5_j5	11.709	15.2499	0	1	1
Lman1l_j1	0.0207955	0.0990282	2.25157	0.315433	1
Csk_j5	0.197313	0.145281	-0.441641	0.64143	0.861742
Csk_j6	4.09058	4.07437	-0.00572937	0.974427	0.992676
Arid3b_j6	0.106536	0.172337	0.693893	0.292147	0.638961
Arid3b_j5	0	0.202459 1.79769e+308	0.0003922	0.006668	
Ccdc33_j1	0.127796	0.174974	0.4533	0.576672	0.829099
Islr2	0.204264	0.178159	-0.197273	0.735652	0.906939
Islr2_j2	0	0.264189 1.79769e+308	0.0001307	0.0026869	
Pml_j2	3.33E-05	0.275032	0	1	1
2410076I21Rik_j3	0.779431	1.01836	0	1	1
Neo1_j1	0.00150964	0.601617	0	1	1
Arih1_j3	4.7058	7.63383	0	1	1
Paqr5_j5	4.43861	3.1288	-0.504501	0.0088276	0.0781261
XLOC_034892	0.0205182	0.122966	2.58328	0.144607	1
Coro2b_j2	9.24969	7.69753	0	1	1

Map2k5_j2	5.20823	6.16286	0.242808	0.381209	0.711804
Map2k1_j4	0	0.139375	0	1	1
Dis3l_j1	0.59412	2.09696	0	1	1
Rab11a_j5	0.310002	0.090441	-1.77723	0.33513	0.675781
Ptplad1_j1	6.90748	9.30876	0	1	1
Zfp609_j3	0.851423	1.07386	0	1	1
Trip4_j2	4.17218	4.21871	0.015998	0.896645	0.967057
Snx22_j2	2.21446	2.20398	0	1	1
Snx1_j1	3.32836	6.33075	0.927566	1.55E-06	6.03E-05
Ccnb2	5.64E-06	0.20978	15.1838	0.994818	0.998486
Ccnb2_j2	0	0.0629284	1.79769e+308	0.0715394	1
Rnf111_j9	0.531652	0.498404	0	1	1
Lipc_j1	0.0364332	0.189581	2.37949	0.0607713	0.290668
Cgnl1	8.80383	8.04444	0	1	1
Tcf12_j3	0.0433998	0.144952	0	1	1
Tex9_j2	0.445369	0.416176	-0.0978068	0.784499	0.927523
Mapk6_j2	0	0.218956	0	1	1
2310046A06Rik_j4	0.0622117	0.890191	3.83886	0.0009419	0.0136323
2310046A06Rik_j3	0.564515	1.34343	1.25084	0.003029	0.0346888
Lrrc1_j2	0.150744	0.0321127	-2.23089	0.0640365	0.300273
Fbxo9_j5	0.560145	0.20607	-1.44267	0.0459061	0.245227
Fbxo9_j6	1.83044	1.62115	-0.17517	0.569421	0.82591
Ooep_j4	0	0.0614741	1.79769e+308	0.135685	1
Ooep_j5	0.169801	0.0782041	-1.11853	0.590136	0.836402
Eef1a1_j4	19.3004	29.5669	0.615348	9.94E-08	5.34E-06
Filip1_j4	0.799953	0.913083	0.19083	0.36952	0.702946
Filip1_j6	1.8053	1.29451	-0.479838	0.0239365	0.159454
Hmgn3	1.18701	2.77004	0	1	1
XLOC_034963	0	0.560793	1.79769e+308	0.0268125	0.172435
Fam46a_j1	0.0664997	0.135096	1.02256	0.126517	1
Ube2cbp_j3	0.000360245	0.158396	8.78034	0.898014	0.967557
Me1_j8	0.111667	0.536845	2.2653	0.259336	0.608037
Snap91_j6	0.722672	1.5634	0	1	1
Syncrip_j5	1.73502	2.38437	0	1	1
Gm2382_j1	0	0.293822	1.79769e+308	0.0490795	0.255376
Tmed3_j1	15.644	15.8016	0.0144616	0.920588	0.975139
Atp1b3_j4	2.68576	1.28135	0	1	1
Atp1b3_j3	5.91183	19.2677	0	1	1
Rnf7_j4	0.0035982	0.40324	6.80822	0.13426	0.456007
XLOC_034997	0.0573147	0.095655	0.738936	0.66164	1
XLOC_034997	0.161902	0.0341658	-2.2445	1	1
XLOC_034997	0.00269158	0.12679	5.55784	1	1
Zbtb38_j1	1.56935	1.07081	0	1	1
Acpl2_j1	0	0.134172	1.79769e+308	0.0105232	1
Spsb4_j2	0.237762	0.190474	-0.319921	0.680054	0.879617
Slc25a36_j2	0.716667	0.605992	0	1	1
Clstn2_j2	6.054	7.29068	0	1	1

Pik3cb_j3	0	0.648231	0	1	1
Pik3cb_j4	5.51451	4.84757	0	1	1
Pik3cb_j6	0.213094	0.256276	0	1	1
Nck1_j2	0.6348	2.51574	0	1	1
Nck1_j3	0.7033	0.710067	0	1	1
Ppp2r3a_j1	0.098028	0.405502	0	1	1
Cep63_j4	3.62464	2.40066	0	1	1
1300017J02Rik_j2	0.034785	0.0871253	1.32463	0.380856	1
Cdv3_j1	0.0982255	0.0583602	0	1	1
Tmem108	1.01168	1.39224	0	1	1
Dnajc13_j3	3.83036	5.2137	0	1	1
Glyctk_j3	0	0.129875	1.79769e+308	0.0031842	1
Ppm1m_j1	0.930955	0.735984	-0.339038	0.319464	0.662774
Acy1_j3	1.19321	1.06348	-0.166056	0.755274	0.915526
Parp3_j4	2.37471	3.65176	0	1	1
Dock3_j10	0.145607	0.112688	-0.369743	0.472964	0.769762
Mapkapk3_j2	0.014238	0.0767943	2.43125	0.154797	1
Hemk1_j5	1.37828	1.20367	-0.195426	0.526001	0.800979
Cyb561d2_j2	17.6221	19.6189	0.154855	0.252386	0.600397
Sema3b_j4	21.0197	22.5069	0.0986257	0.30781	0.652824
Sema3f_j1	0.279848	0.205715	0	1	1
Dag1	3.79475	2.71784	0	1	1
Dag1_j4	0.0104084	1.48436	0	1	1
Tcta	0.803471	0.855345	0	1	1
Klhdc8b_j1	0.371757	0.569881	0	1	1
P4htm_j1	1.50562	1.31917	0	1	1
P4htm_j3	0.111908	0.0713635	0	1	1
Atrip_j2	0.159402	0.0891965	-0.837607	0.191146	0.533267
Ptpn23	0.450472	0	0	1	1
Klhl18_j2	0.0416839	0.331065	0	1	1
Ccr12	3.46E-05	0.189802	12.4216	0.972051	0.991962
Ccr12_j1	0	0.125002	1.79769e+308	0.0272068	1
Stac_j1	15.4923	24.7505	0	1	1
XLOC_035082	0.0583784	0.218279	1.90267	0.176376	0.515049
Arpp21_j4	0.354951	0.421651	0.248429	0.557838	0.819817
Fbxl2_j2	16.7806	17.4297	0	1	1
Fbxl2_j6	1.345	1.28124	0	1	1
Cnot10_j2	2.70276	2.66127	0	1	1
Rbms3_j2	0.111522	1.48227	0	1	1
XLOC_035100	0	0.102946	0	1	1
Plcd1_j2	3.33159	5.78297	0	1	1
9330176C04Rik_j5	0.214398	0.284637	0	1	1
Oxsr1_j2	9.16849	10.131	0	1	1
Scn10a_j7	0	1.97635	1.79769e+308	7.95E-12	9.96E-10
Scn11a_j1	11.7064	9.68273	-0.273806	0.0153686	0.117034
Ulk4_j6	0.154884	0.363305	1.23	0.238116	0.585036
Ulk4_j13	0	0.0567905	1.79769e+308	0.0870903	1

Ulk4_j14	0.0728712	0.0760016	0.0606817	0.955188	1
Cck_j2	0	0.210687	1.79769e+308	0.0611522	0.291803
Sec22c_j4	0.725058	1.43694	0	1	1
Hhatl_j3	0.115272	0.110362	-0.0628064	0.958175	1
C85492_j2	0.151826	2.43568	0	1	1
Zfp445_j3	1.3364	1.04684	0	1	1
Slc6a20a_j1	0.0642737	0.0917118	0.512878	0.713427	1
Lztf1_j1	1.04044	1.02618	-0.0199088	0.924254	0.976334
Alkbh8_j1	0	0.097179	0	1	1
Alkbh8_j4	0.297847	0.780222	0	1	1
8430410K20Rik_j1	0	0.137781	0	1	1
Casp1_j2	3.11347	1.48247	0	1	1
Casp4_j3	0	0.0844353	1.79769e+308	0.0936054	1
Dcun1d5_j3	0.949569	2.15224	1.18049	0.0377509	0.215658
Mtmr2_j3	6.35662	6.81796	0	1	1
Fam76b_j1	0.0893678	0.178208	0	1	1
Slc36a4_j6	0.450771	1.81382	0	1	1
Zfp317_j11	0	0.0695979	0	1	1
Zfp846_j1	0.392218	0.411937	0	1	1
5730577I03Rik_j3	0.0300612	0.0909939	0	1	1
A230050P20Rik_j3	3.17695	3.05742	-0.0553309	0.754371	0.915355
Ppan_j1	0	0.0730511	1.79769e+308	0.103695	1
Pde4a_j3	0.502259	0.561198	0.160079	0.681532	0.88037
Slc44a2	0	0.754134	1.79769e+308	1.37E-10	1.35E-08
Qtrt1_j1	0.511464	0.860626	0.750755	0.0699251	0.31735
Dnm2_j5	2.39891	2.91278	0	1	1
Dnm2_j6	2.34982	3.01472	0	1	1
XLOC_034167	0.0818264	0.0929472	0.183845	0.868032	1
XLOC_034167	0.10517	0.157729	0.584723	0.486811	0.777816
Carm1_j1	5.42214	5.01571	0	1	1
Smarca4_j6	3.18996	3.30126	0	1	1
Ccdc159_j1	0.456909	0.482153	0	1	1
Prkcsj_j3	0.140713	0.726612	2.36843	0.0003243	0.0056994
Zfp809_j2	0.518636	0.804109	0	1	1
Sept7_j2	7.39646	7.54521	0.0287262	0.876215	0.960645
Sept7_j1	0.401464	0.414541	0.0462432	0.932339	0.979496
Eepd1_j5	0	2.02442	0	1	1
Thyn1_j1	1.59032	2.75344	0.791922	0.0377855	0.21578
Opcml_j1	1.8435	1.32686	-0.474429	0.0024467	0.0293371
Opcml_j7	10.4758	9.09218	-0.204356	0.0628887	0.296948
Prdm10_j1	0.107643	0.0868469	-0.309706	0.55656	1
Prdm10_j5	0.944332	1.07943	0.192899	0.488486	0.779009
Prdm10_j10	1.01752	0.519141	-0.970858	0.0004759	0.0078082
Nfrkb_j2	0.0432756	0.10536	1.2837	0.104913	1
Arhgap32_j3	0.0591013	0.0739228	0.322829	0.588725	1
Kirrel3_j3	0.601088	0.599729	-0.0032655	0.99504	0.998626
Srpr_j1	0.982523	0.757919	0	1	1

Pate2_j2	0.761771	0.770308	0.0160799	0.938424	0.981171
XLOC_034212	0.0556077	0.0971749	0.805298	0.5025	1
Robo4	0.00723557	0.697411	6.59076	0.0003903	0.0066457
BC024479	0.798241	0.867273	0.119662	0.753984	0.915071
BC024479_j1	1.87214	1.73925	-0.106219	0.518898	0.796709
Vwa5a_j6	39.1876	37.4525	-0.0653373	0.449337	0.755468
Zfp202_j2	0.166083	0.262824	0.662186	0.224223	0.571444
AK134203	1.21585	1.00974	0	1	1
Ddx6_j5	13.7964	15.1111	0.131317	0.188834	0.530536
Ift46_j1	6.98337	9.1348	0	1	1
Dscaml1_j1	0.0587134	0.217985	1.89247	0.0141684	0.110377
Bud13_j2	0.662749	1.09306	0.721839	0.0212358	0.146718
2900052N01Rik_j4	0.440553	0.334118	-0.398955	0.44146	0.750197
Cadm1_j7	0	0.403506	0	1	1
Cadm1_j9	0	1.71191	0	1	1
XLOC_034275	0.206757	0.278454	0.429501	0.445439	0.752997
Fam55d_j1	0.59613	0.613121	0.0405448	0.923569	0.976223
XLOC_034277	0.0847416	0.175692	1.05191	0.236408	0.583594
Tmprss5_j4	0.020037	0.103474	2.36853	0.126897	1
Cryab_j1	6.04406	12.9858	1.10334	9.90E-08	5.33E-06
Cryab_j2	52.8323	50.8856	-0.0541638	0.603888	0.843588
Ppp2r1b_j1	0.630342	0.87047	0.465659	0.197076	0.53985
Arhgap20_j3	3.09E-05	0.602153	0	1	1
4930550C14Rik_j3	0	0.0831029	1.79769e+308	0.118458	1
Agphd1	0.0493174	0.114947	1.2208	0.340869	1
Chrna5	0.16652	0.618206	1.89239	3.20E-07	1.50E-05
Ube2q2_j7	2.51833	2.49257	-0.0148356	0.953414	0.986494
Al118078_j3	0.544747	0.578688	0.0871994	0.811747	0.938249
Rcn2_j1	0.296901	1.19535	2.00938	0.0011597	0.0160958
Snupn_j1	4.53641	5.21041	0.199844	0.15883	0.49326
XLOC_034321	0.0430488	0.129025	1.58361	0.124417	1
Ptpn9_j1	15.6338	14.4157	0	1	1
Ptpn9_j4	11.2255	12.0827	0	1	1
Stra6_j2	0	0.0564373	1.79769e+308	0.0286532	1
Nptn_j2	24.6111	39.2216	0	1	1
Pkm2_j4	0.240017	0.523273	0	1	1
Gramd2_j3	0	0.34464	0	1	1
Gramd2_j4	0.271691	0.453055	0	1	1
Larp6_j1	10.5731	9.63101	-0.134637	0.343606	0.683622
Uaca_j6	0.683093	1.04627	0	1	1
Uaca_j13	0	0.114189	0	1	1
Tle3_j5	0.956051	1.23699	0	1	1
Anp32a_j1	7.17768	8.17419	0	1	1
Tipin_j2	2.57202	2.29756	0	1	1
Megf11_j2	0.0598358	0.0269221	-1.15222	0.46658	1
Megf11_j3	0.921335	0.787382	-0.226663	0.561526	0.821809
Megf11_j4	0.158127	0.139606	-0.179722	0.825195	0.943675

Dennd4a_j2	0.0317772	0.175545	0	1	1
Igdcc4_j5	0.611229	0.371311	0	1	1
Parp16_j2	0.25887	1.06665	2.04279	0.0001682	0.0033206
Mtfmt_j3	0.150264	0.238298	0.66527	0.590632	0.836692
Herc1_j11	42.5409	40.8802	0	1	1
Narg2_j5	0	0.224042	1.79769e+308	0.0001804	0.0035208
Narg2_j8	0.977048	0.926617	-0.0764568	0.848708	0.952141
Bnip2_j2	5.21146	6.75257	0.373748	0.0241486	0.160406
Bnip2_j4	4.42268	4.14509	-0.0935173	0.647383	0.864093
Gtf2a2_j1	16.539	15.9411	-0.0531269	0.75031	0.913315
Gtf2a2_j2	2.27784	2.27911	0.000808279	0.997916	0.999228
Myo1e_j5	25.3068	23.7871	-0.089347	0.370024	0.703535
Sltm	4.31145	4.38018	0	1	1
Sltm_j5	1.34303	1.36682	0	1	1
Znf280d_j4	1.71969	1.54596	-0.153649	0.504164	0.787468
Znf280d_j5	1.28455	1.4648	0.189442	0.48978	0.779571
Rfx7_j3	0.391769	0.202178	-0.954375	0.0078625	0.0716537
Nedd4_j5	0.225816	1.11675	0	1	1
Dyx1c1_j1	0.267434	0.246928	-0.115093	0.833727	0.946434
Ccp1_j5	5.61347	5.41325	0	1	1
Rab27a_j2	0.812062	0.684694	0	1	1
Wdr72_j3	0.260426	0.290474	0.157535	0.805463	0.935663
XLOC_034418	0.266051	0.226154	-0.234399	0.716374	0.897624
Gclc_j1	3.55322	3.99418	0	1	1
AK050586_j2	0	0.0594352	1.79769e+308	0.113466	1
AK050586_j1	0.161606	0.235719	0.544587	0.478105	0.772723
AK050586_j7	0.155712	0.21126	0.440137	0.586337	0.83433
Cd109_j2	0.404961	1.36866	0	1	1
XLOC_034440	0.0689075	0.0862432	0	1	1
Senp6_j2	0.746861	0.917202	0	1	1
XLOC_034440	0.0402417	0.0684996	0	1	1
Myo6_j10	0.0681669	0.0382239	-0.834597	0.377881	1
Prss35_j2	3.06696	2.95057	-0.0558142	0.787897	0.929394
Cyb5r4_j2	1.21274	1.13245	-0.0988264	0.756135	0.915908
Mrap2_j1	0	0.163831	1.79769e+308	0.0191985	0.137057
Adamts7_j16	0.167768	0.32426	0.950681	0.116455	0.424494
Plod2_j2	0.0375183	0.0901635	1.26495	0.1662	1
XLOC_034482	0.0901315	0.0748375	0	1	1
Slc9a9_j4	53.1531	51.0461	0	1	1
Xrn1_j7	0.0336938	0.0863595	0	1	1
Xrn1_j11	1.47264	1.48001	0	1	1
Tfdp2_j4	0	0.064841	0	1	1
Tfdp2_j3	0.378852	0.16005	0	1	1
Tfdp2	1.11065	1.09326	0	1	1
Rbp2_j1	0.590419	1.269	1.10389	0.11441	0.420859
Copb2_j3	0.533526	0.25495	-1.06534	0.169767	0.506768
Cep70_j6	0.105671	0.1909	0.853239	0.243788	0.591081

Dzip1l_j6	0	0.0878404	1.79769e+308	0.0098384	1
Anapc13_j1	13.8505	15.6948		0 1	1
Ryk_j1	0	0.204844		0 1	1
Nphp3_j11	0	0.140786	1.79769e+308	0.0218179	1
Cpne4_j5	0	0.0531436		0 1	1
Wdr82_j2	8.16404	9.159		0 1	1
Poc1a_j2	0.617888	0.597681	-0.0479707	0.892623	0.966055
Rpl29_j3	0	0.0569002	1.79769e+308	0.269326	1
Pcbp4_j3	13.417	12.2213		0 1	1
Pcbp4_j7	0.120459	2.24491		0 1	1
Vprbp_j4	0.00413592	1.40546		0 1	1
Cacna2d2_j3	0.0629361	0		0 1	1
Nprl2_j2	3.69142	3.32553	-0.150594	0.522502	0.798932
Nprl2_j1	0	0.108045	1.79769e+308	0.0764514	1
Rassf1_j2	0.186172	1.0888	2.54803	0.0001235	0.0025615
Traip_j2	0.053007	0.109188	1.04256	0.528712	1
Traip_j5	0	0.103612	1.79769e+308	0.106279	1
Traip_j7	0.0286201	0.106449	1.89506	0.181846	1
Traip_j9	0.357174	0.556637	0.640109	0.521409	0.798183
Uba7_j5	0.15656	0.0713038	-1.13467	0.217199	0.563423
Ube1l	0.700751	0.791304	0.17533	0.665413	0.873092
Amt_j2	0	0.237174	0	1	1
Usp19_j8	0.379038	0.824901	0	1	1
Impdh2_j3	1.62618	1.46173	0	1	1
Celsr3	0.315595	0.226455	0	1	1
Celsr3_j14	0.139285	0.222239	0	1	1
Celsr3_j13	0	0.799812	0	1	1
Col7a1_j7	0.501734	0.860453	0.778174	0.0824248	0.349776
Plxnb1_j4	0.0621383	0.0659939	0	1	1
Plxnb1_j3	0.0286927	0.225321	0	1	1
Nme6_j6	0	0.587935	1.79769e+308	0.0011651	0.0161433
Nme6_j5	9.92E-05	0.142005	10.4828	0.958068	1
Nme6_j7	0.194043	0.627351	1.6929	0.024338	0.16129
Mtap4_j1	28.5	27.4275	0	1	1
Mtap4_j7	32.0646	41.7136	0	1	1
Kif9_j6	0	0.0696846	1.79769e+308	0.0447607	1
Kif9_j10	0.0307593	0.0863511	1.48919	0.249402	1
Setd2_j1	0.0866747	0.0827867	-0.0662114	0.909841	1
Ccdc12_j3	0.0273433	0.0988374	1.85387	0.283056	1
Als2cl_j3	0.0623952	0.15612	1.32315	0.0431628	1
Als2cl_j11	0.0773852	0.111436	0.52608	0.455629	1
Als2cl_j16	0.331486	0.310827	-0.0928375	0.866071	0.957348
Lrrc2_j2	0.0714159	0.058542	-0.286771	0.839186	1
Lrrfip2_j4	7.95181	10.0212	0	1	1
Clasp2_j1	4.74862	5.32482	0	1	1
Clasp2_j2	2.75435	2.64785	0	1	1
Clasp2_j7	2.39651	2.16611	0	1	1

Dync1li1_j1	45.4351	47.6057	0.0673278	0.497913	0.783786
Osbp10_j5	9.79653	11.371	0	1	1
Gadl1_j1	0	0.0556871	1.79769e+308	0.123195	1
Gadl1_j2	0.291637	0.213064	-0.452891	0.543408	0.81082
XLOC_034607	0.0482771	0.113774	1.23676	0.299221	1
Golga4_j11	4.76521	5.28532	0.14945	0.209845	0.55432
Ctdspl_j1	0	0.292827	0	1	1
Vill_j7	0.095912	0.00483944	-4.3088	0.292051	1
Vill_j11	0	0.13244	1.79769e+308	0.0549836	1
Dlec1_j4	0.0809643	0.0591926	-0.451869	0.730899	1
Dlec1_j6	0.0501955	0.0581984	0.213422	0.863038	1
Dlec1_j11	0.125962	0.172966	0.457491	0.560598	0.821119
Dlec1_j13	0.167291	0.15875	-0.0756068	0.95309	0.986399
Acaa1a_j4	1.0394	1.20544	0	1	1
Acvr2b_j2	0.0494544	0.204878	2.05059	0.0056575	0.0558291
Exog_j1	3.47901	3.2813	0	1	1
Wdr48_j3	10.9668	9.9252	0	1	1
Wdr48_j4	0.0481091	1.21923	0	1	1
Rpsa_j7	0.81762	1.53599	0	1	1
Rpsa_j8	14.5435	8.11599	0	1	1
Rpsa	24.7669	30.28	0	1	1
Rpl14_j3	1.55832	2.95426	0	1	1
Trak1_j3	0.712513	0.327565	0	1	1
Nktr_j3	0	0.154831	1.79769e+308	4.25E-06	1
Nktr_j8	0.243177	0.41971	0.787387	0.0028023	0.0326211
Snrk_j3	0.0513348	0.0254661	0	1	1
Abhd5	0.643139	2.10543	0	1	1
XLOC_034646	0.114685	0.150822	0.395168	0.688732	1
Zfp167_j2	0.139231	0.140095	0.00892129	0.988742	0.996606
Kif15_j1	0.0613101	0.0630417	0.04018	0.969836	1
XLOC_034654	0.0863222	0.190667	1.14325	0.172082	0.509298
Dync2h1_j2	0.05652	0.215809	1.93292	2.38E-05	0.0006395
Birc2_j5	0.748968	0.958427	0.355765	0.231259	0.578377
AK129341_j3	0.0725147	0.173833	0	1	1
Amotl1_j5	0.173604	0.138785	0	1	1
Panx1_j4	22.2125	24.2631	0	1	1
Fat3_j5	0.129469	0.13235	0	1	1
Fat3_j10	0.000516718	0.194302	0	1	1
Naalad2_j6	0.199735	0.378624	0.922674	0.0346844	0.204568
Zfp558_j4	0.0352994	0.0817454	1.21149	0.226	1
Zfp558_j1	0.134294	0.18853	0.489398	0.368706	0.701988
Zfp558_j10	0.122726	0.207204	0.755607	0.499663	0.784707
Raver1_j1	0.4951	0.508746	0.0392257	0.924016	0.976334
Tyk2_j3	0.0326651	0.17462	0	1	1
Cdc37_j4	63.1588	69.3432	0.134771	0.130047	0.449086
Cdc37_j5	0.469127	0.576348	0.296963	0.574821	0.828142
Kri1_j2	0.106665	0.115254	0.111724	0.853525	1

Spc24_j2	0.0913413	0.159125	0.800825	0.536934	0.8071
Dock6_j9	0.0661588	0.84642	0	1	1
Dock6_j10	0.103683	0.075285	0	1	1
Dock6_j12	0.0479803	0.0925626	0	1	1
Dock6_j11	0.498664	0.47943	0	1	1
Tmem205	35.7383	37.5823	0	1	1
Rgl3_j1	0.125068	0.130503	0.0613698	0.930393	1
Ccdc151_j3	0.0634886	0.0956493	0.591257	0.634467	1
Ccdc151_j5	0	0.0628246	1.79769e+308	0.0676429	1
Ccdc151_j4	0.0613381	0	-1.79769e+308	0.0214166	1
Elavl3_j3	27.7058	35.9043	0.373966	2.43E-05	0.0006485
Zfp810_j2	1.18171	1.45835	0	1	1
Zfp810_j3	0	0.149799	0	1	1
Herpud2_j1	0.369641	0.490186	0.407205	0.235395	0.582626
Ntm_j2	0	0.202857	1.79769e+308	0.0103451	0.0877012
Ntm_j3	0.381142	0.603911	0.664008	0.0605685	0.290153
Tirap_j3	0.131443	0.242903	0.885941	0.0798231	0.343371
Foxred1_j2	0.40376	0.436114	0	1	1
Ei24_j1	11.132	18.3724	0	1	1
Pknox2_j3	1.80154	2.555	0	1	1
Pknox2_j4	4.04275	3.91521	0	1	1
Nrgn_j1	0.0319153	0.179429	2.4911	0.095359	0.381256
Nrgn_j2	0.694033	1.12921	0.702236	0.142941	0.469839
Gramd1b_j15	18.8712	19.1088	0	1	1
AK089373_j2	0.458987	0.533388	0.216733	0.28328	0.631732
Ubash3b_j2	0.124383	1.04127	0	1	1
Ubash3b_j6	0	0.883019	0	1	1
Sorl1_j6	8.37027	5.78055	0	1	1
Tecta_j2	0.948253	1.98278	1.06418	2.32E-08	1.50E-06
Tbcel	0.233639	0.856356	0	1	1
Oaf_j1	0.343896	0.671746	0.965943	0.0007924	0.0118988
XLOC_034776	0.00829556	0.0478565	2.5283	0.288834	1
XLOC_034776	0	0.0583808	1.79769e+308	0.0667073	1
XLOC_034776	0.0159529	0.0517704	1.69831	0.515655	1
XLOC_034777	0.13762	0.146049	0.0857622	0.896411	0.967019
Hinfp_j10	0.186497	0.209399	0	1	1
C2cd2l_j1	3.75309	4.40865	0.232259	0.146159	0.474441
Hmbs_j6	2.05716	2.08051	0.0162861	0.953741	0.98654
Vps11_j4	0	0.0938919	0	1	1
Phldb1_j17	1.1046	1.35828	0	1	1
Phldb1_j18	0	0.0529661	0	1	1
Tmem25_j4	5.95579	10.7276	0	1	1
Mll1_j4	0.0153505	0.24727	0	1	1
Ube4a_j5	2.31377	2.10466	0	1	1
Gm10684_j5	0.0875914	0.0763029	0	1	1
Il10ra	0	0.117982	1.79769e+308	0.0099246	1
Cep164_j7	1.28064	1.81309	0.501584	0.0146836	0.113125

Sidt2_j2	2.34769	3.85156	0	1	1
Sidt2_j3	2.08809	4.34715	0	1	1
Sidt2_j4	0.317763	0.405407	0	1	1
XLOC_034805	0	0.0640769	1.79769e+308	0.0749703	1
XLOC_034805	0.179056	0.0882683	-1.02044	0.440243	0.749566
XLOC_034806	0.159865	0.137205	-0.220527	0.844186	0.950736
Fam55b_j5	1.03452	0.965715	-0.0992915	0.755333	0.915526
Fam55b_j6	0.461512	0.659143	0.514224	0.311662	0.656252
Ncam1	2.70566	1.71253	0	1	1
Ncam1_j8	2.03036	1.89748	0	1	1
AU019823_j4	0.198578	0.168335	-0.238364	0.852742	0.953341
Rab39_j3	8.38524	8.17929	-0.035876	0.785786	0.928253
Acsbg1_j1	0.286771	0.249269	0	1	1
Wdr61	3.10631	4.78247	0	1	1
C230081A13Rik_j1	4.28019	4.49533	0.0707546	0.536085	0.806487
C230081A13Rik_j2	0.396582	0.213984	-0.890115	0.0039473	0.0424979
C230081A13Rik	0.395855	0.292879	-0.434666	0.11777	0.427121
Lingo1_j5	8.1408	9.89214	0	1	1
Ppcdc_j1	0.665801	0.691496	0	1	1
Ppcdc_j3	2.31855	2.20184	0	1	1
Scamp5_j6	1.66905	1.37083	0	1	1
Scamp5_j7	2.18254	1.18973	0	1	1
Clk3_j5	10.514	11.8506	0.172639	0.243128	0.590533
Clk3_j6	1.27407	2.43264	0.933079	0.0008043	0.0120367
Clk3_j7	1.71885	1.50083	-0.195679	0.541465	0.809481
Clk3_j8	3.67699	4.2333	0.203257	0.343428	0.683419
Islr_j1	0.524444	1.24255	1.24444	0.0011332	0.0158045
2410076l21Rik_j2	0.0839585	0.0659424	0	1	1
Arih1_j2	0.540564	0.236675	0	1	1
AK038653_j7	0	0.0618221	1.79769e+308	0.0633125	1
Lrrc49	5.16309	4.54444	-0.184131	0.137407	0.461074
Kif23_j8	0.131193	0.12217	-0.102793	0.874346	1
Paqr5	3.39761	2.7925	-0.282963	0.0788612	0.340586
Coro2b_j1	37.9698	38.3075	0	1	1
Pias1_j1	2.86931	4.05576	0	1	1
Map2k5_j1	0.162163	0.631133	1.9605	0.109447	0.411765
Dis3l_j2	1.25164	1.65138	0	1	1
Dis3l	0.443031	0.291603	0	1	1
Rab11a_j6	90.0317	88.7826	-0.0201563	0.839313	0.948864
Ptplad1_j2	22.8416	21.9991	0	1	1
Zfp609_j2	1.25151	1.39072	0	1	1
Trip4_j1	0.0713854	0.228795	1.68035	0.003845	0.0416841
Snx1_j2	12.406	15.0092	0.27481	0.154135	0.487096
Usp3_j2	0	0.0566322	0	1	1
Tln2_j1	6.66568	6.88139	0	1	1
Rnf111_j7	3.28756	2.62684	0	1	1
Gcom1_j4	0.00018111	0.110246	9.24964	0.850898	1

Cgnl1_j1	0.678062	0.749492	0	1	1
Tcf12_j8	0.326298	0.625309	0	1	1
Scg3_j5	137.693	145.888	0	1	1
Lrrc1_j4	0.000448166	0.0536374	6.90306	0.660237	1
Fbxo9_j4	0.0513163	0.34194	2.73625	0.0187744	0.135055
Slc17a5_j1	0.845173	1.25245	0.567436	0.0464062	0.246963
Col12a1_j1	1.21575	1.03284	-0.235237	0.480369	0.774173
Col12a1_j2	1.59469	1.56681	-0.0254545	0.886515	0.964026
Filip1_j7	0	2.0773	1.79769e+308	2.09E-22	6.29E-20
Phip_j6	2.34738	2.89108	0	1	1
Phip_j7	0.425533	0.592388	0	1	1
Lca5_j5	0	0.135992	1.79769e+308	0.0020234	1
Lca5_j7	0.00203641	0.190843	6.55021	0.0489361	0.254765
Ibtk_j5	0.491035	0.522512	0	1	1
Ibtk_j8	0.246779	0.159949	0	1	1
Me1_j6	48.3922	50.4779	0.0608769	0.524233	0.799783
Snap91_j5	10.1841	20.665	0	1	1
4922501C03Rik_j6	0	0.131142	1.79769e+308	9.37E-05	1
Syncrip_j8	0.52834	0.290502	0	1	1
2810026P18Rik_j1	0.830447	1.39672	0.750084	0.0698996	0.317323
AF529169_j6	0.717071	0.69842	0	1	1
AF529169_j8	0.261346	0.25993	0	1	1
AF529169_j7	0.0334043	0.0548285	0	1	1
Morf4l1_j5	0.385576	0.501256	0.37853	0.487116	0.778145
Morf4l1_j6	0	0.0511771	1.79769e+308	0.152543	1
Tbc1d2b_j2	2.87462	2.87044	-0.00210012	0.989885	0.996861
1190002N15Rik_j1	10.5566	7.89008	0	1	1
Trpc1_j3	2.70005	3.23217	0	1	1
Trpc1_j4	2.77416	2.80813	0	1	1
Pls1_j4	3.37665	2.07896	0	1	1
Atp1b3_j2	0	0.0757111	0	1	1
XLOC_034997	0	0.0551745	1.79769e+308	0.106673	1
Rasa2_j2	0.251248	0.416786	0	1	1
Slc25a36_j5	1.27952	1.56015	0	1	1
Slc25a36_j6	7.34127	5.77055	0	1	1
Pik3cb_j7	0.200655	0.188977	0	1	1
Esyt3	0.20644	0.104785	-0.978287	0.0922952	0.373884
Mras_j3	0	0.545002	1.79769e+308	1.27E-06	5.08E-05
Tmem22_j1	10.8203	12.2088	0.174182	0.224555	0.571654
Cep63_j5	1.44033	1.58437	0	1	1
Uba5_j2	13.5096	15.1921	0.169338	0.137651	0.461429
Dnajc13_j4	0	0.341088	0	1	1
Glyctk_j4	0.206998	0.36527	0.819349	0.0699849	0.317561
Glyctk_j5	0.0945135	0.169946	0.846483	0.153795	0.486579
Ppm1m_j4	0	0.213221	1.79769e+308	0.0044719	0.0467118
Ppm1m_j5	0	0.0540281	1.79769e+308	0.11678	1
Tex264_j4	0	0.188534	0	1	1

Rad54l2_j2	0	0.0577817	1.79769e+308	0.0043579	1
Dock3_j1	0.478898	0.311608	-0.619983	0.15954	0.493978
Dock3_j3	0	0.667369	1.79769e+308	2.38E-15	4.93E-13
Hemk1_j4	0.33219	0.398877	0.263932	0.603053	0.843243
Cyb561d2_j1	0.0798449	0.0785169	-0.0241963	0.989441	1
Sema3b_j1	0.147939	0.192363	0.378832	0.419451	0.736105
Sema3f_j4	1.39417	0.438739	0	1	1
Sema3f	0.0340684	3.49651	0	1	1
Rbm6_j6	0.712559	0.49177	-0.535027	0.109592	0.41203
Rnf123_j1	1.5502	1.87828	0	1	1
Rnf123_j2	2.71221	2.63007	0	1	1
Klhdc8b_j3	0.233984	0.170255	0	1	1
P4htm_j5	8.33821	9.32527	0	1	1
Arih2_j2	0.0433215	0.130124	0	1	1
Arih2_j4	0	0.0755332	0	1	1
Arih2_j3	0.55777	0.36169	0	1	1
Atrip_j1	0	0.132035	1.79769e+308	0.0009224	1
Ccdc72_j5	1.25916	1.06917	0	1	1
Ptpn23_j5	0.306247	0.248729	0	1	1
Nbeal2_j5	0.111152	0.327916	0	1	1
Pth1r_j1	1.54538	3.14606	0	1	1
Fbxl2_j1	0.151489	0.601864	0	1	1
Cnot10_j5	0.363244	0.278732	0	1	1
Gpd1l_j2	2.01332	4.21895	0	1	1
Rbms3_j1	10.0806	6.10109	0	1	1
XLOC_035100	0	1.04941	0	1	1
XLOC_035100	0.844023	0.747901	0	1	1
Plcd1_j5	0.739668	2.37433	0	1	1
Scn10a_j4	160.639	145.287	-0.144916	0.0940019	0.377783
Scn10a_j5	42.8463	31.3976	-0.448515	3.38E-07	1.57E-05
Ulk4_j9	0.0879482	0.157487	0.840504	0.294363	0.641101
Ulk4_j19	0.0601218	0.0518385	-0.213864	0.881246	1
Cck_j1	0.0477932	0.166295	1.79887	0.336897	0.677282
AK089135_j2	0.274751	0.220199	-0.319317	0.312992	0.657376
Hhatl_j2	0.28034	0.214752	-0.384502	0.627253	0.854539
Gm9790_j1	3.89026	3.96384	0.0270341	0.896566	0.967033
C85492_j1	16.1854	14.3481	0	1	1
Slc6a20a_j3	0.0518412	0.130242	1.32903	0.205125	1
Lztfl1_j7	0.206075	1.27337	2.6274	0.0076041	0.0700847
Lztfl1_j8	0.590941	0.340179	-0.796723	0.521275	0.798101
Fyco1_j1	0.295706	0.124683	-1.2459	0.0055854	0.0552523
Fyco1_j4	0.078318	0.253171	1.6927	0.0002612	0.0047803
Kbtbd3_j2	0.0623259	0.180751	1.5361	0.015399	0.117174
XLOC_034122	0.450455	0.320768	-0.48985	0.503081	0.786906
Casp1_j3	0.0258129	1.47906	0	1	1
Casp4_j2	0.186454	0.19197	0.0420627	0.962576	0.989507
Casp4_j6	0	0.709031	1.79769e+308	0.0156648	0.118401

Pdghd_j2	0.0971548	0.158128	0.702739	0.584394	0.833439
Pdghd_j3	0	0.0959886	1.79769e+308	0.0211022	1
Fam76b_j3	0.551002	0.396769	0	1	1
Mre11a_j3	6.76E-05	0.298947	0	1	1
Gpr83_j1	0	0.228988	1.79769e+308	0.0005944	0.0094166
Chordc1_j2	20.9297	20.953	0.00160628	0.988975	0.996607
Zfp846_j3	0.13059	0.10982	0	1	1
Ubl5_j5	5.37339	5.77705	0	1	1
Ppan_j2	0.99863	0.847633	-0.23651	0.547243	0.813536
Pde4a_j1	0.291126	0.194785	-0.579765	0.201093	0.544463
Ilf3	1.00641	2.29742	0	1	1
Ccdc159_j2	0.667335	0.515699	0	1	1
Bbs9	0.5143	0.5498	0.096297	0.788741	0.929506
Bbs9_j5	0.0785616	0.130302	0.729967	0.377672	1
Bbs9_j11	1.26152	1.3459	0.0934009	0.829512	0.944941
Eepd1_j4	1.51631	3.28443	0	1	1
Ncapd3	0.681517	0.874077	0.359011	0.0628181	0.296839
AK077358_j1	0.0183242	0.248491	3.76137	0.0698907	0.317312
XLOC_034193	0.563035	0.586462	0	1	1
Zbtb44_j2	0.468706	0.239066	-0.971273	0.0371209	0.21336
Prdm10_j4	0.103959	0.0312563	-1.7338	0.0643515	1
Arhgap32_j7	4.55098	4.3978	-0.049395	0.673806	0.877026
Cdon_j4	0	0.460792	1.79769e+308	1.01E-05	0.0003112
Fez1_j4	0	0.280136	0	1	1
Tmem218_j1	0.277193	0.524204	0.91924	0.0506737	0.26072
XLOC_034215	0.10573	0.175783	0.733401	0.196191	0.538985
Robo4_j2	0	0.0678354	1.79769e+308	0.0328421	1
Robo4_j1	0.0456506	0.0712074	0.641393	0.529034	1
Siae_j1	2.25488	1.41949	-0.667686	0.0001372	0.002789
XLOC_034221	0.137117	0.199091	0.538018	0.278981	0.627636
Zfp202	0	0.0705527	1.79769e+308	0.0257021	1
Zfp202	1.20E-05	0.0891037	12.8638	0.976015	1
Hspa8	233.59	236.054	0.0151359	0.868211	0.958254
Hspa8_j1	18.9045	23.8978	0.338152	0.0008993	0.0131604
AK014147_j1	0.0454047	0.343824	2.92075	0.000482	0.007901
Trim29_j1	0	0.068033	1.79769e+308	0.0856597	1
Usp2	0.443857	0.623346	0	1	1
Usp2_j1	0.0988876	0.133345	0	1	1
Mcam_j6	17.8071	18.9696	0	1	1
Hyou1_j1	0.240189	0.306944	0.353808	0.475895	0.771711
Rps25_j2	6.48756	7.39608	0	1	1
Ddx6_j1	0.852089	0.726924	-0.229199	0.417416	0.734518
Ddx6_j4	7.87513	8.75134	0.152201	1	1
Ift46	1.31656	1.21204	0	1	1
Mpzl2_j1	0	0.058378	1.79769e+308	0.180674	1
Scn4b_j2	9.46068	8.40785	0	1	1
Fxyd6_j1	16.5288	23.8526	0	1	1

Fxyd6_j3	8.56043	12.9577	0	1	1
Dscaml1_j3	0.0472305	0.133222	1.49604	0.11106	1
Zfp259_j3	8.97347	12.7257	0.504006	0.0404748	0.225632
XLOC_034274	3.23344	1.73585	0	1	1
Fam55d_j3	0	0.0558706	1.79769e+308	0.113773	1
Drd2_j5	0.0378857	0.0611651	0.691057	0.610005	1
Il18_j2	1.35537	1.53558	0.180103	0.692303	0.886092
XLOC_034289	0.0313478	0.0806558	1.36342	0.204572	1
4930550C14Rik_j4	0.149753	0.042404	-1.82031	0.425428	0.74056
Agphd1_j1	0.0341667	0.0892738	1.38565	0.264497	1
Psm4_j3	0.321909	0.248512	-0.373336	0.584719	0.833564
Psm4_j5	0.09947	0.159882	0.684676	0.50244	0.786414
Fbxo22_j1	13.5713	12.7132	-0.0942318	0.442909	0.751088
Al118078_j6	0	0.236777	1.79769e+308	0.00849	0.0758125
Isl2_j1	60.8846	49.5382	-0.297538	0.0011888	0.0164246
Ptpn9_j3	0	0.445644	0	1	1
Sin3a_j2	0.115117	0.0539369	0	1	1
Sin3a_j3	2.85658	3.61431	0	1	1
Ulk3_j5	0.0648523	0.173886	1.42291	0.348392	0.686685
Sema7a_j3	0.542582	0.165785	-1.71053	0.043316	0.236191
Stra6	0	0.0501445	1.79769e+308	0.0459169	1
Stoml1_j2	0	0.644123	1.79769e+308	9.69E-05	0.0020966
Hexa_j1	2.36009	2.02902	0	1	1
Celf6_j4	1.69378	1.31425	-0.366006	0.361946	0.696328
Parp6	0.99333	0.5694	0	1	1
Uaca_j10	0.532117	1.02605	0	1	1
Tle3_j4	0.145898	0.174649	0	1	1
Anp32a_j2	0	0.328823	0	1	1
Itga11_j1	0	0.0581344	1.79769e+308	0.04727	1
Itga11_j2	0.0534147	0.0959206	0.844605	0.40098	1
Rpl4_j2	0	0.37839	0	1	1
Megf11_j1	0	0.0669352	1.79769e+308	0.0668028	1
Igdcc4_j1	0	0.170058	0	1	1
Igdcc4_j4	0.00019741	0.173418	0	1	1
Igdcc3_j7	0.288199	0.327045	0.182423	0.712503	0.895781
Igdcc3_j8	0.0104942	0.134002	3.67458	0.28537	1
Cilp_j2	0	0.250118	1.79769e+308	4.30E-05	0.0010469
Cilp_j5	0.283518	0.137707	-1.04184	0.099502	0.390484
Rasl12_j1	0	0.0943412	1.79769e+308	0.0353161	1
Mtfmt_j1	0.0644608	0.112499	0.803415	0.629242	1
Mtfmt_j5	0.262799	0.292416	0.154058	0.660811	0.871365
Csnk1g1_j6	0.0569085	0.0627783	0.141623	0.847963	1
Csnk1g1_j5	0.838873	1.04151	0.312157	0.150865	0.481595
Herc1_j8	0.961332	0.720269	0	1	1
Herc1_j10	6.72821	6.29245	0	1	1
Rora_j1	0	0.241753	1.79769e+308	3.40E-08	2.11E-06
Narg2_j7	0	0.0712176	1.79769e+308	0.106341	1

Bnip2_j1	0.27091	0.35189	0.377312	0.300467	0.647066
Myo1e_j3	0	0.0971382	1.79769e+308	0.0099779	1
Sltm_j6	0.159777	1.68614	0	1	1
Znf280d_j3	0.181726	0.22771	0.325433	0.637161	0.859508
Nedd4_j4	70.4338	79.5655	0	1	1
Rab27a_j1	4.70948	5.78941	0	1	1
2410004A20Rik_j1	0.0817851	0.0927689	0.181803	0.84263	1
XLOC_034413	0.417708	0.612546	0.552323	0.267004	0.616066
Onecut1_j1	1.57858	0.727488	0	1	1
Gnb5_j2	0	0.114846	1.79769e+308	0.11382	1
Leo1_j1	8.02966	9.99265	0.315529	0.0131129	0.104699
Hmgcl1_j2	0.611495	1.12223	0	1	1
Elov15_j6	0	0.181767	1.79769e+308	0.0958102	0.382213
Ick_j2	0	0.310678	0	1	1
AK050586_j3	0.00118601	0.142155	6.9052	0.389364	1
XLOC_034437	17.1189	17.9737	0.0703006	0.776196	0.924322
Senp6_j7	0.148182	0.0802695	0	1	1
Myo6_j2	0.5631	0.739148	0.392471	0.0848296	0.355514
Myo6_j7	0.605547	0.559527	-0.114033	0.658606	0.870342
XLOC_034443	0.0512149	0.153038	1.57925	0.199151	1
AK162636	0.282078	0.623839	0	1	1
Mei4	0.0378855	0.158573	2.06543	0.083594	0.352466
Tpbj1	0.240988	1.09076	2.1783	3.69E-07	1.70E-05
Dopey1_j4	0.116915	0.155588	0	1	1
Cyb5r4_j6	0.0485286	0.0718323	0.565798	0.725923	1
XLOC_034463	0.0379145	0.179634	2.24424	0.0762824	0.333677
Trim43a_j1	0.340964	0.258414	-0.399937	0.489544	0.779561
Rasgrf1_j1	0.414238	0.474565	0	1	1
Ctsh_j1	0.696086	2.34373	1.75147	5.46E-06	0.0001827
XLOC_034474	6.67209	7.10806	0.0913177	0.607904	0.845368
Plscr1_j2	0.196806	0.31512	0.679131	0.3788	0.710354
Plod2_j3	0.495816	0.524905	0.0822514	0.792681	0.931005
Plod2_j4	1.05019	1.01807	-0.0448223	0.876582	0.960772
Tfdp2_j5	0.315397	0.150559	0	1	1
AK089981_j5	0.00715327	0.0685184	3.25982	0.418372	1
Nmnat3_j1	0.0787735	0.232973	1.56438	0.0529283	0.267435
Cep70_j3	0.294169	0.261248	-0.171227	0.771961	0.922593
Dbr1_j2	0.514029	0.817203	0.668844	0.120984	0.433073
Dzip1l_j9	0.0983868	0.2247	1.19146	0.106728	0.405895
Dzip1l_j10	0.200502	0.2223	0.148891	0.793112	0.931055
Slco2a1_j1	0.282007	0.274679	-0.0379822	0.953292	0.986435
Cpne4_j1	12.1046	9.78417	0	1	1
Aste1	0	0.12845	1.79769e+308	0.0126187	1
Rpl29_j1	40.7712	49.2812	0.273486	0.0032211	0.0364935
Pcbp4_j2	0	0.158781	0	1	1
Rrp9_j1	0.0994092	0.343545	1.78905	0.0458261	0.244934
Vprbp_j3	2.49502	1.25175	0	1	1

Cacna2d2_j13	1.66869	1.38856	0	1	1
Cacna2d2_j12	0.986582	0.950548	0	1	1
Cacna2d2_j14	2.61281	2.47517	0	1	1
Nprl2_j3	1.02842	0.468318	-1.13487	0.0422525	0.232358
Mst1r_j5	0.0972772	0.138961	0.514506	0.404467	1
Camkv_j4	1.99E-05	0.143748	12.8194	0.981194	1
Traip_j1	0	0.0787447	1.79769e+308	0.0318383	1
Uba7_j7	0.584515	0.498074	-0.230878	0.532458	0.804257
Ip6k1_j1	28.5023	28.5747	0	1	1
Amt_j4	23.5514	25.1477	0	1	1
Rhoa_j2	40.156	43.0241	0	1	1
Gpx1_j1	66.6901	70.9338	0.0890007	0.395636	0.720735
Lamb2_j3	0.790292	0.520882	0	1	1
Usp19_j7	1.77062	1.46914	0	1	1
Qars_j1	4.10467	3.76396	0	1	1
Impdh2_j1	0	0.296071	0	1	1
Dalrd3_j1	4.96304	5.16295	0	1	1
Prkar2a_j1	23.3566	25.6895	0	1	1
Ip6k2_j1	11.1502	15.3778	0	1	1
Celsr3_j11	0.611611	0.670749	0	1	1
Slc26a6_j9	0.424158	0.705955	0.734975	0.092827	0.374785
Col7a1_j6	0.425331	0.570071	0.422553	0.3388	0.679008
Plxnb1_j6	0.150837	0.484315	0	1	1
Cdc25a_j2	1.05445	1.29588	0	1	1
Tmem103_j1	1.04242	1.08942	0.0636269	0.897581	0.967361
Lrrfip2_j3	0.87213	0.914262	0	1	1
Trank1_j4	0	0.101411	1.79769e+308	0.0028392	1
Trank1_j5	0.275167	0.379932	0.465435	0.428795	0.742566
Dclk3_j2	2.10124	5.09703	1.27842	2.16E-08	1.41E-06
Clasp2_j5	3.95687	4.53431	0	1	1
Cmtm6_j1	1.50562	3.88222	0	1	1
Osbpl10_j7	3.53807	4.52095	0	1	1
XLOC_034603	0.107742	0.120539	0	1	1
Azi2_j2	7.05201	5.83252	0	1	1
Golga4_j5	3.42114	3.79453	0.149446	0.224291	0.571479
Vill_j4	0	0.0571123	1.79769e+308	0.0585783	1
Vill	0.167817	0.119743	-0.486946	0.491064	0.780237
Acvr2b_j5	0.00690289	0.149868	4.44035	0.209348	1
Myrip_j1	0.0827305	0.243326	0	1	1
Myrip_j3	0.000145047	0.19851	0	1	1
Rpl14_j7	34.9996	49.1861	0	1	1
Ctnnb1_j1	0.196426	0.47898	0	1	1
Nktr_j7	0.0730241	0.113606	0.637596	0.16652	1
XLOC_034640	0.0135894	0.0482699	0	1	1
XLOC_034643	1.62025	2.01405	0.313885	0.356592	0.692561
XLOC_034646	0.0338351	0.13297	1.97451	0.223143	1
D9Ert402e_j4	1.30347	1.39591	0	1	1

Zfp167_j4	0	0.0870932	1.79769e+308	0.0132937	1
Zfp167_j6	0.167682	0.142829	-0.23144	0.704316	0.891839
XLOC_034649	0.0528465	0.151648	1.52085	0.12629	1
Zfp105_j3	0.0721362	0.151087	1.06658	0.30434	1
Kif15_j3	0	0.0944248	1.79769e+308	0.0548022	1
Tgm4_j1	0.874	0.725482	-0.268694	0.152577	0.484296
Birc3_j1	0.717018	0.686545	-0.0626543	0.862043	0.956374
AK129341_j5	0.543603	0.539026	0	1	1
Cntn5_j6	0.272894	0.294353	0.10921	0.826002	0.943911
Amotl1_j4	0.0769308	0.221751	0	1	1
Panx1_j2	0	0.384828	0	1	1
Naalad2_j1	0	0.0668834	1.79769e+308	0.0229928	1
Naalad2_j7	0	0.19245	1.79769e+308	0.0055149	0.0546657
Zfp26_j4	1.48546	1.38519	0	1	1
Zfp426_j2	0.603737	0.803101	0	1	1
Zfp426_j3	0.184951	0.492953	0	1	1
Zfp266_j3	1.40316	0.996296	0	1	1
Zfp266_j4	0.142246	0.148729	0	1	1
Fbxl12_j2	0.264074	0.376027	0	1	1
Col5a3_j8	0.338035	4.63271	0	1	1
Col5a3_j9	0.57141	1.47552	0	1	1
Angptl6_j3	1.74238	1.89679	0.122505	0.62922	0.855844
Zglp1_j1	0.14603	0.209766	0.522518	0.497376	0.783786
Zglp1_j3	0.0582893	0.108678	0.898753	0.434724	1
Tyk2_j7	0.234115	0.476054	0	1	1
Cdc37_j3	0.835761	0.584282	-0.516425	0.207644	0.551986
Yipf2_j5	0.478254	0.935533	0	1	1
Spc24_j3	5.70E-05	0.273523	12.2291	0.98426	0.995386
Kank2_j1	1.79701	2.02152	0	1	1
Dock6_j13	0.0807932	0.237034	0	1	1
Dock6_j14	0	0.0568989	0	1	1
Epor	0.0694539	0.164864	1.24715	0.267859	0.616526
Rgl3_j4	0.191816	0.221344	0.206573	0.695273	0.887572
Zfp653_j3	0.0839422	0.141837	0.756766	0.263963	1
Acp5_j1	0	0.0519653	1.79769e+308	0.142616	1
Adamts15_j1	0.244187	0.566253	0	1	1
Foxred1_j3	1.79248	2.46298	0	1	1
Chek1_j2	0.0565998	0.11133	0.975972	0.360106	1
Pknx2_j5	0.933682	1.03718	0	1	1
AW551984_j1	0.283362	0.602252	1.08772	0.0021466	0.0263682
Gramd1b_j11	0.473745	1.53523	0	1	1
Gramd1b_j12	1.50577	4.22442	0	1	1
Ubash3b_j3	0	0.128617	0	1	1
Sorl1_j4	6.06487	3.66283	0	1	1
Sorl1_j5	0.348281	1.27824	0	1	1
Arhgef12_j2	0.0717954	0.10859	0	1	1
Arhgef12_j4	0	1.26291	0	1	1

Tmem136_j4	0.133157	0.228445	0	1	1
Oaf_j2	4.13941	5.28159	0.351549	0.0574374	0.280785
XLOC_034774	0.0600919	0.301708	2.32791	0.019748	0.139687
XLOC_034775	0	0.560419	1.79769e+308	7.14E-05	0.0016096
XLOC_034775	0.0609861	0.0614496	0.0109247	0.993938	1
Nlrx1	7.60E-05	0.318792	0	1	1
Abcg4	11.0608	10.8338	0	1	1
Hinfj_j6	0.242808	0.32083	0	1	1
Hmbs_j3	0.152779	0.993802	2.70151	3.25E-09	2.48E-07
Hmbs_j2	0.355878	0	-1.79769e+308	1.00E-08	7.03E-07
Vps11_j2	0	0.051765	0	1	1
Phldb1_j2	0.102734	0.588645	0	1	1
Phldb1_j7	0.338674	0.514485	0	1	1
Arcn1_j2	3.64537	5.23973	0	1	1
Mll1_j6	1.82054	1.55799	0	1	1
Ube4a_j4	7.50718	11.7563	0	1	1
Gm10684_j6	0.0589564	0.0912876	0	1	1
Cep164_j11	1.00309	1.1723	0.224891	0.303043	0.648824
Sidt2_j7	0.801664	1.45921	0	1	1
Pafah1b2_j1	39.653	34.2588	0	1	1
XLOC_034805	0	0.157739	1.79769e+308	0.0321223	0.194416
XLOC_034806	0	0.277503	1.79769e+308	0.0001152	0.0024236
XLOC_034807	0.857606	0.882886	0.041913	0.916519	0.973942
Ncam1_j5	1.10068	3.54753	0	1	1
AU019823_j1	0.262226	0.282902	0.109492	0.801183	0.933726
Dlat_j1	2.66952	2.17714	0	1	1
Hspb2	0.397824	0.455308	0.194713	0.739059	0.908322
Hspb2	0.123481	0.154208	0.320583	0.720593	1
1110032A03Rik_j2	9.25129	8.47047	-0.127212	0.392322	0.718644
Layn_j3	0.196914	0.1522	-0.371593	0.732515	0.905521
AK086943_j4	0.195504	0.263731	0.431865	0.635301	0.85855
AK086943_j5	0	0.175232	1.79769e+308	0.0710097	0.320392
AK086943_j8	0.00787959	0.285915	5.18132	0.291537	0.638573
Zc3h12c_j7	0	0.117298	1.79769e+308	0.0003377	1
Elmod1_j1	0.000942837	0.0851571	6.49697	0.625725	1
Dmxl2_j1	29.4084	29.2298	0	1	1
Dmxl2_j3	7.72177	8.29018	0	1	1
Dmxl2_j4	6.36898	5.03223	0	1	1
Wdr61_j2	0.395484	0.509191	0	1	1
Wdr61_j3	3.27501	3.56234	0	1	1
Scaper_j3	5.66764	5.19256	-0.126303	0.181277	0.521147
Lingo1_j2	2.16145	2.77391	0	1	1
Neil1_j2	0.103929	0.288181	1.47138	0.192928	0.535283
Neil1_j3	0	0.0506752	1.79769e+308	0.11078	1
1700017B05Rik_j1	0.657858	0.779898	0.245509	0.426447	0.741228
Scamp5_j3	8.67452	6.07887	0	1	1
Scamp5_j2	2.94508	1.98021	0	1	1

Clk3_j11	0.42466	0.568737	0.421452	0.41256	0.731546
Arid3b_j2	0.0269159	0.147748	2.45661	0.0111113	1
Arid3b_j1	0	0.131218 1.79769e+308		0.0030565	1
Islr2	0	0.11703 1.79769e+308		0.0075699	1
Islr2_j4	0	0.296334 1.79769e+308		5.87E-05	0.0013639
Islr2_j5	0	0.164223 1.79769e+308		0.0019596	0.024602
Cd276	1.14037	1.40415	0.300193	0.186856	0.527873
Neo1_j5	0.36368	1.02907	0	1	1
Neo1_j6	2.48481	2.34773	0	1	1
Bbs4_j2	1.36236	3.83053	0	1	1
AK038653_j4	0.404966	0.248622	-0.703845	0.151801	0.483091
AK038653_j2	0	0.0486617 1.79769e+308		0.106113	1
AK038653_j3	0	0.102248 1.79769e+308		0.0223161	1
Lrrc49_j2	2.867	2.15201	-0.413852	0.0304639	0.187623
Lrrc49_j7	3.91402	2.23666	-0.807303	0.0004419	0.007341
Lrrc49_j8	0.114224	0.133719	0.227331	0.697448	1
XLOC_034888	0.106215	0.0547944	-0.954888	0.518095	1
Rplp1_j2	2.11107	3.35292	0.667441	0.302767	0.648644
Kif23_j6	0.201249	0.280253	0.477747	0.223858	0.571034
Map2k5_j6	0	1.24089 1.79769e+308		7.62E-05	0.0017011
XLOC_034902	0.10108	0.124719	0.303182	0.719772	1
Zwilch_j1	0.332532	0.424886	0.353584	0.446159	0.75332
Map2k1_j3	5.9854	6.85964	0	1	1
Rab11a_j2	37.9129	40.8803	0.108718	0.391372	0.717906
Snx22_j1	0.193499	0.386795	0	1	1
Usp3_j4	1.86395	1.95078	0	1	1
Rab8b_j1	2.77888	3.25775	0	1	1
Tln2_j4	0	0.627194	0	1	1
Tln2_j5	0.00193616	1.41578	0	1	1
Fam63b	0.213013	0.529867	0	1	1
Aqp9_j1	0.119703	0.287732	1.26526	0.0033492	0.0375783
Gcom1_j2	0.0543931	0.174441	1.68124	0.259628	0.608462
Cgnl1_j4	1.75932	2.46693	0	1	1
Mapk6_j1	2.23992	3.28004	0	1	1
Tmod2_j1	18.6652	22.683	0	1	1
Scg3_j7	0.138203	0.48814	0	1	1
Scg3_j8	13.6399	16.2647	0	1	1
2310046A06Rik_j10	0	0.163291 1.79769e+308		0.05702	0.279743
Lrrc1_j1	0.0893787	0.10937	0.291211	0.73092	1
Fbxo9_j7	30.317	27.7169	-0.129361	1	1
Fbxo9_j8	28.7938	30.0967	0.0638467	0.746007	0.911562
Col12a1_j5	0.0906933	0.165822	0.87057	0.337675	0.678175
Cox7a2_j1	76.4047	76.7551	0.00660051	0.963566	0.989788
Cox7a2_j2	149.518	149.475	-0.000423648	0.996429	0.999052
Filip1_j1	0	0.0730225 1.79769e+308		0.002395	1
Phip_j1	0.106234	0.0904089	0	1	1
Phip_j2	0.0756385	0.118557	0	1	1

Hmgn3_j2	5.21634	7.79677	0	1	1
Hmgn3_j3	0.34343	0.194378	0	1	1
XLOC_034962	2.69723	2.97549	0	1	1
Ube2cbp_j2	0	0.0979567 1.79769e+308	0.0412133		1
Snap91_j7	5.50755	5.55847	0	1	1
Snap91_j8	3.39849	12.7551	0	1	1
Snap91_j9	6.24422	6.33027	0	1	1
4922501C03Rik_j3	0	0.073311 1.79769e+308	0.002251		1
Syncrip_j9	0.159803	0.699304	0	1	1
Ankrd34c_j3	1.95686	0.974878	-1.00525	8.99E-07	3.79E-05
Morf4l1_j2	17.4829	18.5291	0.0838493	0.590203	0.836402
Morf4l1_j8	0.163016	0.124126	-0.393203	0.711137	0.894998
Morf4l1_j7	0	0.0900161 1.79769e+308	0.0847383		1
Atp1b3_j5	20.074	29.0858	0	1	1
Rnf7_j3	78.4507	75.6323	-0.0527838	0.598054	0.840532
XLOC_034997	0	0.100895 1.79769e+308	0.0634981		1
Esyt3_j3	0.00949439	0.128594	3.75961	0.0253413	1
Esyt3_j4	0	0.061291 1.79769e+308	0.017686		1
Cep63_j6	0.291303	2.25121	0	1	1
Trf_j1	8.47656	15.6795	0.887326	3.93E-14	6.94E-12
Dnajc13_j1	11.4588	11.4087	0	1	1
Glyctk_j6	3.77E-05	0.198227	12.3591	0.926012	0.97702
Glyctk_j7	0	0.141501 1.79769e+308	0.0016617		1
Tex264_j2	3.4662	5.59156	0	1	1
Rad54l2_j3	0.169838	0.157263	-0.110978	0.78633	0.928557
Mapkapk3_j3	0.160007	0.168461	0.0742794	0.919583	0.974745
Hemk1_j2	0.256773	0.48439	0.915673	0.114833	0.421681
Slc38a3_j1	0.109902	0.13897	0.338554	0.638034	1
Sema3f_j2	0.0266479	0.676441	0	1	1
Rbm6_j1	0.902336	0.870387	-0.0520081	0.852534	0.953272
Rbm6_j5	0.333846	0.217602	-0.617486	0.304808	0.65013
Rnf123_j5	0.0152788	0.892968	0	1	1
Bsn_j2	12.7595	13.16	0.0445929	0.629846	0.856211
Dag1_j2	0.501447	0.294945	0	1	1
Klhdc8b_j2	0.599708	1.72471	0	1	1
Atrip_j6	0.0207325	0.114407	2.46421	0.0262866	1
Atrip_j7	0.546809	0.423428	-0.368921	0.293375	0.640286
Atrip_j8	0.422366	0.728801	0.78703	0.010169	0.0865546
Ccdc72_j1	13.7067	6.66325	0	1	1
Dhx30	11.3457	10.2148	0	1	1
Dhx30_j3	10.7183	9.56078	0	1	1
Klhl18_j3	0	0.090686	0	1	1
Mlh1_j2	0.207386	0.356179	0.780287	0.218445	0.56485
Mlh1_j3	0.525291	1.11964	1.09185	0.0014986	0.0197253
Fbxl2_j4	0	0.0787318	0	1	1
AK077029_j1	0.0475789	0.239265	2.33021	0.0363529	0.210778
Crtap_j2	0.0401285	0.186559	2.21693	0.0957716	0.382115

Gpd1l_j1	0.21911	0.211652	0	1	1
Rbms3_j5	1.1306	1.12676	0	1	1
Rbms3_j1	0.135125	0.198197	0	1	1
XLOC_035100	11.8629	15.9116	0	1	1
XLOC_035100	16.7149	14.2587	0	1	1
9330176C04Rik_j4	0.0175645	0.0926173	0	1	1
Scn10a_j1	27.1422	21.565	-0.331849	0.0001338	0.0027336
Scn10a_j3	0	1.2983	1.79769e+308	2.30E-22	6.88E-20
Scn11a_j2	0.60089	0.761491	0.341726	0.37878	0.710354
Csrnp1_j2	0.641126	0.919161	0	1	1
Csrnp1_j4	0	0.464135	0	1	1
Ulk4_j10	0	0.19217	1.79769e+308	0.035486	0.207587
Ulk4_j12	0	0.0630373	1.79769e+308	0.0591319	1
Sec22c_j3	1.56892	2.02337	0	1	1
Hhatl_j4	0	0.214238	1.79769e+308	0.0166415	0.1239
XLOC_035130	0.0926691	0.257978	1.47709	0.0310628	0.190042
XLOC_035131	0.370741	0.282101	-0.394199	0.412121	0.731182
Slc6a20a_j2	0	0.0479931	1.79769e+308	0.0951812	1
Nudt11	10.096	10.2089	0.0160384	0.888224	0.964649
Dgkk_j1	0.0909657	0	-1.79769e+308	0.0001706	1
LOC100270707_j1	0.0883424	0.0318218	-1.47309	0.336963	1
Syp	231.482	215.764	-0.101444	0.247787	0.595123
Prickle3	0.0207345	0.0506808	1.2894	0.318021	1
Gpkow_j1	0.414163	0	-1.79769e+308	1.30E-11	1.54E-09
Praf2_j3	4.21142	4.10615	-0.0365196	0.889619	0.964965
Praf2_j5	0.109494	0.175067	0.677059	0.616851	0.849184
Tcfe3_j2	10.3036	14.4616	0	1	1
Tcfe3_j4	0.317569	0.292697	0	1	1
Gripap1	17.467	16.6341	0	1	1
Gripap1_j1	0.0538764	0	0	1	1
Kcnd1_j6	6.57906	7.65574	0	1	1
Kcnd1_j5	20.0158	20.0883	0	1	1
Kcnd1_j3	9.29779	7.91167	0	1	1
Kcnd1_j4	30.902	21.6326	0	1	1
Otud5	3.12594	2.41678	0	1	1
Pcsk1n	102.386	119.833	0.226998	0.0087478	0.0775463
Pcsk1n_j2	245.861	308.623	0.328001	0.0002071	0.0039528
B630019K06Rik	4.63313	2.50834	0	1	1
Lancl3_j1	2.34234	1.28989	-0.860702	6.96E-05	0.0015758
Lancl3	1.03736	0.408749	-1.34363	8.47E-07	3.58E-05
Xk	2.29133	2.12645	0	1	1
Tspan7	185.456	207.198	0.159928	0.0625245	0.295859
Tspan7_j3	0.992375	0.280818	-1.82125	0.0534268	0.269005
Tspan7_j4	0.979509	0.32198	-1.60509	0.0737915	0.327402
Mid1ip1	23.762	19.9947	0	1	1
Mid1ip1	77.2421	73.4906	0	1	1
Atp6ap2	129.474	138.901	0.101391	0.236154	0.583368

Gm16265	9.88368	14.3495	0.537883	0.352804	0.689574
AK036020_j3	0.0334752	0.0735136	1.13492	0.524302	1
AK036020_j4	0.0476024	0 -1.79769e+308		0.0608389	1
AK036020	0.0999019	0.219116	1.13311	0.218425	0.564838
Usp9x_j3	1.06879	0.384858	0	1	1
Usp9x_j8	1.90437	0.625501	0	1	1
Usp9x_j7	0.148013	0.25151	0	1	1
Usp9x_j11	0.145522	0.115279	-0.336111	0.456857	0.760112
Rpl3-ps1	260.69	262.121	0.00789969	0.926493	0.977218
Ddx3x	55.0299	53.2721	-0.0468375	0.587106	0.834863
Maoa	13.3703	14.3878	0.105818	0.269239	0.618156
Kdm6a_j7	1.05722	0.915548	-0.207565	0.364383	0.698412
Kdm6a_j1	0.283076	0.0928706	-1.60789	0.0101656	0.086541
Kdm6a_j5	1.27351	0.772969	-0.72033	0.0023972	0.0288779
Kdm6a_j8	0.192888	0.199868	0.0512834	0.924425	0.97636
Chst7	0.265151	0.312497	0.237029	0.516731	0.795244
Rp2h	2.08898	2.38237	0.1896	0.225304	0.57244
Phf16_j1	0.411052	0 -1.79769e+308		1.98E-15	4.14E-13
Phf16	0.352045	0.714971	1.02213	0.0003205	0.00565
Phf16_j2	0.624331	0.832937	0.415896	0.165761	0.502417
Uba1_j1	8.3895	26.3951	0	1	1
Uba1	126.816	106.045	0	1	1
Cdk16_j4	5.11648	5.57064	0	1	1
Cdk16_j5	0.077828	0.25883	0	1	1
Wdr44	1.35714	1.26938	-0.0964447	0.691287	0.885697
Wdr44	6.89516	6.06624	-0.184782	0.11667	0.424713
Dock11_j4	13.085	10.5268	0	1	1
Dock11_j9	5.60002	5.50193	0	1	1
Il13ra1	3.22639	6.36894	0.981131	3.57E-14	6.43E-12
Zcchc12	2.08645	0.805587	0	1	1
Zcchc12_j1	2.18926	3.16525	0	1	1
Pgrmc1	25.1676	26.1989	0.0579388	0.549384	0.814722
Slc25a43	0.756292	0.585397	-0.369527	0.115927	0.423751
Slc25a5_j1	25.4434	21.495	-0.243292	0.048269	0.252722
Slc25a5_j2	58.5663	48.8523	-0.261645	0.0138666	0.108722
Ube2a_j1	11.1994	8.1415	-0.46005	1.26E-06	5.06E-05
Nkap	2.5743	2.45828	-0.0665332	0.669364	0.874814
Zbtb33	2.724	2.34324	0	1	1
Gm7598	0.0865272	0.0936683	0.114408	0.897944	1
Mcts1_j2	21.0978	21.555	0	1	1
Mcts1	15.7115	14.4081	0	1	1
Gria3	0.642284	0.580951	-0.144795	0.608992	0.84604
Gria3_j9	0.258658	0.20726	-0.319608	0.485136	0.776871
Gria3_j12	1.34668	1.06897	-0.333179	0.229363	0.576443
Gria3_j14	2.14853	1.61444	-0.412319	0.0747255	0.329828
Xiap	2.99066	1.86545	0	1	1
Xiap_j1	1.76616	1.75131	0	1	1

Xiap_j2	1.25912	1.10845	0	1	1
Xiap	0.314529	0.673342	0	1	1
Stag2	5.6936	4.88763	0	1	1
Stag2_j2	0.0911959	0.141495	0	1	1
Stag2_j3	0.822947	0.475164	0	1	1
1110059M19Rik	0.937584	0.925197	-0.0191876	0.948351	0.985052
Ocrl	5.77961	6.24433	0.111574	0.344656	0.684282
Ocrl_j1	1.87956	0.700624	-1.42368	3.56E-08	2.18E-06
Xpnpep2_j2	0.104432	0.0944369	-0.145145	0.879739	1
Xpnpep2_j3	0.0606247	0 -1.79769e+308		0.0358836	1
Sash3_j1	0.172176	0.382554	1.15177	0.0249276	0.163927
Sash3	0.074233	0.235737	1.66705	0.0319075	0.193578
Utp14a	5.41636	5.74296	0.0844696	0.516631	0.795178
Bcor1_j2	1.66303	2.04816	0.300516	0.0325138	0.195988
Bcor1_j3	0.448332	0.358155	-0.323982	0.253051	0.601097
Bcor1_j5	0.0919775	0 -1.79769e+308		0.0002067	1
XLOC_036248	0.107433	0.0753781	-0.511219	0.628501	1
Rab33a	6.11013	8.39288	0.457962	0.0009516	0.0137441
Slc25a14_j3	0.929786	1.28711	0	1	1
Slc25a14_j1	3.60323	3.18219	0	1	1
Slc25a14_j5	3.09277	3.07745	0	1	1
Rbmx2	3.10388	2.95578	-0.070533	0.687715	0.883915
Arhgap36_j1	3.54422	3.92346	0	1	1
Arhgap36	8.95341	8.03324	0	1	1
2610018G03Rik	1.06167	0.892651	-0.250168	0.196712	0.539473
Ccdc160	2.21534	2.1295	-0.0570122	0.796859	0.93252
Phf6	1.77923	1.77533	0	1	1
Phf6_j2	2.76545	2.88115	0	1	1
Hprt_j1	2.72286	0 -1.79769e+308		8.77E-08	4.77E-06
Hprt	115.842	124.407	0.102908	0.257912	0.606586
Hprt_j2	26.0411	37.0331	0.508026	0.0008112	0.0121
Gm14584	18.2235	17.3108	-0.0741302	0.614202	0.847685
Cxx1c	52.9859	52.5575	0	1	1
4930502E18Rik_j3	0.24782	0.324559	0.389187	0.528631	0.802182
Zfp449	0.872656	0.806193	-0.114288	0.66053	0.871208
Zfp449_j2	0.797538	0.000412203	-10.918	0.544415	0.811402
Ncrna00086	4.30714	3.28055	-0.392795	0.0099056	0.0851155
Ddx26b_j4	0.0766243	0	0	1	1
Ddx26b_j3	0.740832	0.801612	0	1	1
Ddx26b_j8	0.110558	0	0	1	1
Slc9a6_j1	24.6393	20.252	0	1	1
Slc9a6_j2	0.0645317	0.0522347	0	1	1
Fhl1_j1	0.290107	0.209353	0	1	1
Fhl1	54.8332	49.9949	0	1	1
Htatsf1	8.464	8.4035	0	1	1
Htatsf1_j1	6.49578	6.52672	0	1	1
F9	0.695868	0.316198	-1.13799	0.0037559	0.0410103

Gm14662_j1	0.87855	1.36454	0.63522	0.118423	0.428442
C230004F18Rik	1.91083	1.36794	-0.482194	0.14004	0.465534
C230004F18Rik_j9	0.474114	0.446442	-0.086761	0.845783	0.951277
C230004F18Rik_j1	0.67019	0.705389	0.0738495	0.711244	0.89506
Slitrk2	0.238749	0.156962	0	1	1
Slitrk2	0.54809	0.536103	0	1	1
Slitrk2_j3	0.182072	0.0934815	0	1	1
Fmr1_j4	0.46971	0.0454814	0	1	1
Fmr1_j3	3.97911	3.10726	0	1	1
Fmr1_j5	0.13477	0	0	1	1
Aff2	0.459444	0.283207	-0.698035	0.0223986	0.152567
1110012L19Rik	10.316	10.9394	0.0846423	0.54175	0.809754
Mamld1_j3	0.795856	0.518827	-0.617255	0.0911036	0.371031
Mamld1_j2	2.86174	2.66668	-0.101843	0.497182	0.783722
Mtm1	1.91031	1.65538	-0.206642	0.286117	0.634849
Mtmr1_j2	0.783886	0.300928	0	1	1
Mtmr1_j4	0.966097	0.926916	0	1	1
Hmgb3_j1	0.0693007	0 -1.79769e+308	0.0268176		1
Hmgb3_j3	1.38003	0.68432	-1.01195	0.0168577	0.125032
Hmgb3_j4	0.108562	0.429443	1.98395	0.0211951	0.146549
Vma21	2.42163	1.54398	0	1	1
Prrg3_j1	0.357063	0	0	1	1
Prrg3	1.91664	1.39137	0	1	1
Nsdhl	26.2747	26.9471	0	1	1
Xlr4b_j1	0.391548	0.104309	-1.90833	0.0687035	0.314116
Zfp275_j2	1.57898	1.57237	0	1	1
Zfp275_j1	1.59207	1.287	0	1	1
Zfp275	1.9375	1.69815	0	1	1
Bgn	11.8597	14.576	0.297523	0.0056193	0.0555198
Atp2b3_j2	1.8741	0.942043	-0.99233	1.21E-05	0.0003656
Atp2b3_j4	3.82901	2.67839	-0.515608	0.0001286	0.0026504
Atp2b3_j8	0.115704	0 -1.79769e+308	0.0002953		1
Slc6a8	7.59278	7.95047	0.0664116	0.50186	0.785858
Abcd1	0.704401	0.39766	-0.824862	0.0485972	0.253924
Abcd1	1.99285	2.45822	0.302778	0.0866561	0.359804
Abcd1_j2	1.67492	1.54229	-0.119019	0.629191	0.855844
Abcd1_j3	1.5366	1.86401	0.278666	0.362463	0.696764
Opn1mw_j1	0.162566	0.151065	0	1	1
Emd	19.2184	20.8858	0.120032	0.275381	0.624461
Atp6ap1	150.626	181.691	0	1	1
Gdi1	85.724	78.2588	0	1	1
Gdi1_j4	7.69886	11.9524	0	1	1
Fam50a	10.6054	12.2547	0.208543	0.110556	0.413801
Fam50a_j1	7.17947	5.86057	-0.292837	0.223929	0.571105
Plxna3	0.925197	1.16711	0	1	1
Plxna3_j9	2.50386	3.49428	0	1	1
Ikbkg_j3	0.17744	0.147679	0	1	1

Xlr3d-ps_j1	0.498956	0.49517	-0.0109886	0.98403	0.995326
Xlr3e-ps_j1	1.248	0.844497	-0.563452	0.196555	0.539312
Xlr3d-ps_j2	0.291497	0.118422	-1.29954	0.130292	0.449403
Xlr4e-ps_j2	0.288957	0.402792	0.479184	0.464643	0.764867
Xlr4e-ps_j4	0.127733	0 -1.79769e+308		0.0124455	1
Xlr4e-ps_j5	0.39555	0 -1.79769e+308		0.0023271	0.0281309
Dkc1	0.59319	0.602922	0.0234786	0.907819	0.970964
Gm6039	3.61211	4.2423	0.232004	0.189687	0.531588
Fundc2	5.22999	4.26746	-0.29343	0.0158392	0.119411
Vbp1	62.2237	59.1037	-0.0742145	0.415549	0.733384
Rps24-ps3	200.571	235.336	0.230612	0.010348	0.0877108
Tmem47	27.7825	16.0105	-0.795153	0	0
Dmd_j8	2.13995	1.87714	0	1	1
Tab3	0.389953	0.1664	0	1	1
Tab3_j2	0.559616	0.477855	0	1	1
Tab3_j1	0.454547	0.000465906	0	1	1
5430427O19Rik	0.188469	0.266847	0.501687	0.28383	0.632234
Pcyt1b	9.68304	6.18316	0	1	1
Pcyt1b_j1	4.66336	3.44613	0	1	1
Klhl15_j3	0.659022	0.325049	-1.01967	0.0017236	0.0221971
Klhl15	0.243498	0.359645	0.562662	0.116478	0.424494
Apoo_j2	0.462607	0 -1.79769e+308		0.004467	0.0466902
Gm14827_j5	0.0860642	0.0209475	-2.03864	0.0645904	1
Gm14827_j4	0.143731	0.116073	-0.308342	0.526158	0.800979
Gm14827_j8	0.616466	0.086092	-2.84007	0.0008102	0.0120915
Zxdb	2.0738	1.74788	-0.246675	0.117062	0.425436
Msn	37.5086	44.2552	0	1	1
Gpr165	0.178517	0.281998	0.659622	0.104594	0.401321
Ar	1.05269	0.675218	-0.640655	0.001248	0.0170681
Yipf6_j1	8.19678	7.5304	0	1	1
Yipf6	3.55147	3.97074	0	1	1
Stard8_j1	1.37199	1.45403	0	1	1
Efnb1	6.5838	6.40642	-0.039402	0.740693	0.909129
XLOC_036367	0.145691	0.0991217	-0.555636	0.550908	0.815617
Gm14808	0.20798	0.269405	0.373331	0.535286	0.806155
Tmem28	5.32775	5.33092	0.000858961	0.99422	0.998359
Igfbp1	17.7267	17.9195	0.0156086	0.885863	0.963769
Gdpc2	0.187496	0.125209	-0.582522	0.470161	0.768035
Gdpc2	0.176094	0 -1.79769e+308		0.0006828	0.0105092
Dlg3_j2	0.374427	0.00638815	0	1	1
Dlg3	0.520324	0.530343	0	1	1
Dlg3_j5	0.63235	0.519386	0	1	1
Foxo4	2.56834	2.80038	0.124784	0.445782	0.753182
Med12_j3	1.22131	1.10498	0	1	1
Med12_j8	2.86282	2.91077	0	1	1
Med12_j9	0.104324	0.00133118	0	1	1
Nlgn3_j1	3.32345	2.40057	0	1	1

Nlgn3_j3	1.2152	1.13488	0	1	1
Nlgn3_j2	0.999602	0.502326	0	1	1
Nlgn3	3.21818	3.25909	0	1	1
Gjb1_j1	0.975188	1.08426	0.152961	0.570916	0.826488
Taf1_j3	0.66276	0.499779	0	1	1
Taf1_j1	2.55254	3.77069	0	1	1
Ogt_j2	0.675917	1.13359	0.745986	0.0036662	0.0403837
Ogt_j4	11.0146	7.57671	-0.539777	1.49E-06	5.86E-05
Ogt_j9	4.11563	3.82726	-0.104801	0.434682	0.745756
Pin4_j2	0.235033	0.350627	0.577072	0.601023	0.841992
Chic1	1.929	1.53067	-0.333686	0.0187932	0.13515
Uprt	3.13221	3.60336	0.202161	0.0987396	0.388529
2610029G23Rik_j3	5.73084	7.28139	0.345468	0.0545227	0.272385
Magee1	61.4588	55.4872	-0.147463	0.0863224	0.359
Cox7b_j2	42.3648	39.0664	-0.116936	0.2572	0.605991
Cox7b_j3	0.440463	0.274697	-0.681181	0.697637	0.888632
Atp7a	0.44795	0.294073	-0.607164	0.0511693	0.262108
Pgk1_j2	25.3356	22.9334	0	1	1
Lpar4	0.316096	0.13121	-1.26849	0.0243964	0.161546
2810403D21Rik_j4	0.14604	0.0656201	-1.15415	0.434045	0.745221
Sh3bgrl	13.0877	13.1112	0	1	1
Sh3bgrl_j3	0.234425	0	0	1	1
Apool	5.35458	8.2045	0.615641	5.59E-05	0.0013124
Zfp711_j3	0.0728522	0.11287	0.631622	0.411545	1
Klhl4	0.236865	0.140764	-0.750785	0.168888	0.505733
Klhl4	0.11442	0.000270758	-8.72312	0.725337	1
Gm14897	4.96192	6.3455	0.354835	0.389136	0.716393
Gm16373	8.69354	8.83544	0.0233583	0.916287	0.973929
Pcdh11x_j5	0.528671	0.0555793	-3.24975	9.25E-06	0.0002902
Pcdh11x_j4	0.391503	0.532275	0.443149	0.100142	0.3917
Gm16421	1.16686	1.33787	0.197311	0.421482	0.737684
Gm14942	1.93141	1.44434	-0.419247	0.370862	0.703864
Diap2_j1	0.135455	0.209333	0.627984	0.124154	0.439098
Diap2	0.11702	4.61E-05	-11.3091	0.848072	1
Srpx2	0.39095	0.246175	-0.667303	0.138878	0.463447
Cstf2_j3	2.47952	2.16297	0	1	1
Cstf2_j2	1.70448	1.82304	0	1	1
Cstf2_j1	4.49921	3.31178	0	1	1
Cstf2_j4	0.833602	1.61536	0	1	1
Tmem35	16.318	10.3974	0	1	1
Drp2	1.4191	1.38829	0	1	1
Drp2_j5	0	0.107063	0	1	1
Drp2_j6	2.61869	3.07477	0	1	1
Rpl36a_j1	0.0947092	0.108234	0.192579	0.794707	1
Hnrnph2	26.9741	25.9612	-0.0552195	0.550576	0.815397
Armcx1	29.7191	25.8769	0	1	1
Armcx1_j2	23.1077	27.5332	0	1	1

Armcx1	9.21625	8.2006	0	1	1
Gprasp1_j3	2.07611	1.01188	-1.03684	1.36E-06	5.41E-05
Gprasp1_j2	1.06772	0.74134	-0.52633	0.0364672	0.211122
Wbp5	44.5845	46.3995	0	1	1
Tceal3	27.7835	25.843	-0.104453	0.357021	0.69299
Tceal1	23.7318	19.0713	-0.31542	0.0111761	0.0931224
Plp1_j5	0.61198	0.250708	0	1	1
Zcchc18_j1	0.0106361	0.0510497	0	1	1
Fam199x_j1	1.71256	1.58975	0	1	1
Fam199x	0.585666	0.559911	0	1	1
XLOC_036446	0.182552	0.0439334	-2.05492	0.107948	0.408438
Rnf128	4.0438	3.43089	-0.237131	0.113401	0.419139
Tbc1d8b_j1	0.160816	0 -1.79769e+308		1.49E-07	7.62E-06
Tbc1d8b	0.411399	0.365716	-0.169814	0.577915	0.830091
Frmpd3_j1	0.238256	0.0659328	0	1	1
Frmpd3_j6	0.567296	0.111677	0	1	1
Frmpd3_j5	0.156839	0.250067	0	1	1
Prps1_j2	3.53782	1.35744	-1.38197	6.36E-05	0.0014661
Mid2_j2	0.00010367	0.0743382	0	1	1
Mid2_j7	3.45317	3.3004	0	1	1
Atg4a_j1	0.38463	0.412163	0.0997411	0.850974	0.952632
Col4a5_j10	0.2147	0 -1.79769e+308		8.33E-07	3.53E-05
Nxt2_j1	4.69635	0.854432	0	1	1
Nxt2	5.64108	3.67301	0	1	1
Tmem164	0.892456	1.0512	0	1	1
Tmem164_j2	0.321823	0	0	1	1
Pak3_j2	0.654098	0.54595	0	1	1
Pak3_j5	1.48135	1.43994	0	1	1
Pak3_j9	3.76944	3.58699	0	1	1
Alg13	0.769089	0.808598	0.0722713	0.78102	0.926007
Alg13_j2	0.107672	0 -1.79769e+308		0.0004869	1
Alg13_j1	1.24711	1.0419	-0.25937	0.213311	0.558509
Alas2_j4	0.0626634	0 -1.79769e+308		0.0137765	1
Alas2_j3	0.076554	0.0524034	-0.546817	0.617822	1
Pfkfb1_j1	0.40298	0.471965	0.227972	0.58715	0.834901
Pfkfb1	0.0980321	0.122633	0.323019	0.75542	1
Pfkfb1_j7	0.292244	0.0267722	-3.44837	0.153304	0.485625
Fgd1	0.698788	0.592628	0	1	1
Wnk3-ps_j1	0.191131	0.125254	-0.609707	0.290775	0.638107
XLOC_036473	0.258045	0.182387	-0.500622	0.452827	0.757789
Wnk3_j4	0.139051	0.0992005	-0.487194	0.389047	0.716324
Fam120c	1.82133	1.5335	0	1	1
Phf8_j2	1.18421	1.11599	-0.0856057	0.680766	0.879921
Phf8	0.525011	0.852717	0.699717	0.0071852	0.0672033
Huwe1_j3	0.083611	0.0131492	0	1	1
Huwe1_j13	6.68495	6.64882	0	1	1
Hsd17b10	25.6168	22.5953	-0.181064	0.109607	0.412055

Smc1a	10.6141	10.091	0	1	1
Smc1a_j2	0.255169	0	0	1	1
lqsec2_j3	1.44491	1.52593	0	1	1
lqsec2_j4	0.940373	1.13977	0	1	1
lqsec2	18.3914	15.0485	0	1	1
Kdm5c_j2	0.0510085	0.161223	0	1	1
Kdm5c	3.6309	4.25886	0	1	1
Rragb_j1	5.28497	3.7396	0	1	1
Rragb	4.49197	3.9431	0	1	1
Klf8	0.342125	0.0991711	0	1	1
Klf8	0.563641	0.197783	0	1	1
Klf8_j7	0.477959	0.0882475	0	1	1
Ubqln2	39.3499	41.0561	0.0612338	0.479464	0.77361
2210013021Rik	37.234	37.5804	0.0133574	0.904042	0.969371
Spin2	0.230844	0.269098	0.221214	0.737478	0.907523
Spin2_j1	0.254687	0.061586	-2.04805	0.0955122	0.381511
Acot9	2.26948	1.92082	-0.240641	0.381919	0.712127
Smpx_j1	0.447736	0.280845	-0.672874	0.380578	0.711466
Smpx	0.96658	0.456195	-1.08324	0.0238133	0.15885
Smpx_j5	2.85963	1.60689	-0.831555	0.0173347	0.127487
Rps6ka3_j4	8.49555	6.38356	0	1	1
Rps6ka3	6.45378	5.0121	0	1	1
Rps6ka3_j5	0.234551	0.317239	0	1	1
Eif1ax	35.7663	33.0388	-0.114441	0.184264	0.524798
Mtap7d2_j1	51.0796	34.1714	0	1	1
Mtap7d2_j9	11.8817	10.4252	0	1	1
A830080D01Rik_j1	0.399661	0.313934	0	1	1
A830080D01Rik_j2	0.531017	0.591341	0	1	1
A830080D01Rik	0.698064	0.902999	0	1	1
Sh3kbp1_j3	0.740072	0.699621	0	1	1
Sh3kbp1_j4	0.371142	0.279705	0	1	1
Sh3kbp1_j11	1.0604	1.67388	0	1	1
Gpr64	1.14571	0.372432	0	1	1
Scml2_j2	0.201144	0.013985	-3.84627	0.160849	0.495481
Rai2	1.23099	1.58137	0.361346	0.16913	0.505835
Rai2	3.36723	2.95492	-0.188441	0.299826	0.646412
Rbbp7_j1	1.25657	0.893455	0	1	1
Ace2_j2	0.0511275	0.0287192	-0.832084	0.542404	1
Ace2	0.333507	0.401475	0.267592	0.42219	0.738253
Pir_j1	2.15515	1.43627	-0.585468	0.0093479	0.081531
Pir_j3	1.11899	0.930027	-0.266852	0.298937	0.645753
Pir_j2	0	0.538797	1.79769e+308	1.87E-07	9.29E-06
Piga_j1	0.233979	0.44847	0.938628	0.0536996	0.269989
Fancb	0.566136	0.366647	-0.626757	0.0939286	0.377641
Fancb_j6	0.108181	0.178925	0.725914	0.483659	0.776062
Gemin8	0.409878	0.0922647	-2.15134	0.0370282	0.213053
Gpm6b	19.1358	17.3231	0	1	1

Trappc2_j1	0.0837712	0.0175582	0	1	1
Trappc2_j3	0.679133	0.486568	0	1	1
Arhgap6	0.66126	0.550725	-0.263887	0.286324	0.635145
Mid1_j3	0.0887548	0.328552	1.88823	0.0012004	0.0165515
Mid1_j4	0.103064	0 -1.79769e+308		0.0012414	1
Mid1_j8	1.26239	0.594093	-1.08739	0.0038204	0.0415417
Nudt10	9.03538	8.40669	-0.104047	0.439105	0.748789
Bmp15	1.35395	0.979234	-0.467451	0.0268863	0.172774
Clcn5_j1	4.12797	4.89994	0	1	1
Clcn5	2.73456	2.21374	0	1	1
Usp27x	0.6045	0.650991	0.106895	0.63847	0.860159
cip7	0.391695	0.428653	0.13008	0.860653	0.955865
cip7	0.568183	0.664404	0.225705	0.75147	0.913952
Ppp1r3f	5.63017	4.82433	-0.222849	0.103791	0.399591
Ccdc22_j2	1.68839	1.47015	-0.199682	0.394042	0.719796
Ccdc22_j7	3.72569	4.11197	0.142322	0.412129	0.731182
Ccdc120_j4	1.84383	1.54249	-0.25744	0.188574	0.530176
Pqbp1	10.9752	12.0141	0.130481	0.194639	0.536974
Pqbp1	0.798589	0.861389	0.109213	0.590177	0.836402
Hdac6_j4	0	0.0583247	0	1	1
Suv39h1	4.61129	4.82478	0.0652922	0.648937	0.864926
Suv39h1	1.29994	1.34528	0.0494548	0.848923	0.952186
Wdr13_j3	7.79207	7.09799	0	1	1
Wdr13	3.46566	2.12867	0	1	1
Tbc1d25	2.5069	1.91081	0	1	1
Ebp_j1	19.6146	24.5167	0.32184	0.0099828	0.0855226
Ebp	5.94586	7.25234	0.286562	0.0966117	0.383933
Porcn	14.001	12.6806	-0.142909	0.215795	0.561549
Ftsj1	3.35094	3.88091	0	1	1
Ftsj1	0.277955	0.618171	0	1	1
Cybb	0.510517	0.561424	0	1	1
Dynlt3	182.776	164.533	-0.151694	0.0771538	0.336101
Rpgr_j1	0.462599	0.384796	-0.265668	0.42915	0.742566
Srpx	1.71288	1.85085	0.111763	0.61006	0.846292
Rpgr	0.672729	0.983268	0.547559	0.0707211	0.319662
Bcor	0.760515	0.686515	0	1	1
Bcor_j1	0.751486	0.548273	0	1	1
Bcor_j2	0.37091	0.164162	0	1	1
mKIAA1575_j5	0.0460841	0.143961	0	1	1
mKIAA1575_j7	2.3203	1.8077	0	1	1
Med14_j3	1.25953	0.928735	-0.43955	0.0118461	0.0972456
Med14_j6	0.581384	0.402851	-0.529245	0.142248	0.468886
Gm14535	17.1436	20.23	0.238831	0.0701276	0.317943
Gm9434	9.43494	8.19993	-0.202401	0.254348	0.602682
Cask_j8	3.89874	4.45193	0	1	1
Cask_j7	0.373052	0.00170467	0	1	1
Maob_j1	0.0598035	0.0995143	0.734674	0.518404	1

Maob	1.27719	1.24909	-0.0320978	0.884894	0.963475
Ndp	4.85871	3.85305	0	1	1
Ndp_j2	2.49952	4.3429	0	1	1
Efhc2	0.800163	0.153992	-2.37744	0.0001389	0.0028164
Fundc1	28.8486	24.9478	-0.20959	0.0260401	0.169188
Slc9a7	0.209714	0.0880101	-1.25269	0.0096388	0.0834111
Slc9a7_j4	5.14961	4.3621	-0.23944	0.0478741	0.251548
Ndufb11_j2	1.16613	1.04841	-0.153522	0.660257	0.871049
Ndufb11	0.141736	0.125015	-0.181106	0.84911	0.952225
Syn1_j1	0.616519	0.41405	0	1	1
Zfp182_j6	0.321387	0.278896	0	1	1
Zfp182_j7	0.224969	0	0	1	1
Zfp182_j4	0.239348	0.037574	0	1	1
Zfp182_j2	0.54449	0.358184	0	1	1
Zfp300_j1	0.444245	0.372127	-0.255562	0.309906	0.654449
Gm6938	0.334376	0.155096	-1.10831	0.0451492	0.243117
Klhl13	1.34486	1.32386	0	1	1
Klhl13_j6	0.640647	0.770858	0	1	1
Klhl13_j7	1.71178	1.37066	0	1	1
Klhl13	1.8594	1.40815	0	1	1
Gm6023	3.3602	3.45782	0.0413122	0.869387	0.958432
Akap17b_j4	2.8178	2.74797	0	1	1
Akap17b	1.36704	1.0825	0	1	1
Rpl39_j1	0.0595722	0 -1.79769e+308		0.201854	1
Nkrf	0.622895	0.535463	-0.218202	0.265889	0.614926
Sept6_j5	0.482367	0.447511	-0.108208	0.833298	0.946329
Sept6_j6	0.154933	0.119142	-0.37896	0.538195	0.807862
Sept6_j8	0.349983	0.293519	-0.253832	0.746245	0.911606
Upf3b_j2	5.29501	6.24927	0.239055	0.257186	0.605988
Upf3b	4.06543	4.16977	0.0365588	0.811395	0.938053
Ndufa1	26.7707	26.7612	-0.000510959	0.995965	0.998876
Fam70a	13.0982	8.93222	0	1	1
Fam70a	53.8645	34.9471	0	1	1
Lamp2	60.9064	53.8634	-0.17729	0.0406179	0.226125
Lamp2	63.0801	63.027	-0.00121389	0.989442	0.996683
Cul4b_j1	5.30902	3.5585	0	1	1
C1galt1c1	13.8768	14.8914	0.101802	0.422718	0.738516
Thoc2	1.43655	1.19337	-0.267562	0.125552	0.441417
Odz1_j1	0.900573	0.533007	0	1	1
Odz1_j6	0.0570635	0.118368	1.05264	1	1
ten-m1	0.182114	0.0323288	0	1	1
Dcaf12l1	1.25166	0.952733	-0.3937	0.134887	0.457099
Dcaf12l1	3.95283	4.28427	0.116161	0.396032	0.720998
Smarca1_j5	3.05963	2.28827	0	1	1
Smarca1_j6	0.471459	0.440826	0	1	1
Apln_j1	0.346245	0.270787	-0.354634	0.418113	0.735013
Zdhhc9	21.2943	20.1414	0	1	1

Aifm1_j4	6.72308	6.61105	0	1	1
Aifm1	5.74087	5.31349	0	1	1
Zfp280c_j2	1.67165	1.44682	-0.208384	0.430011	0.743005
Zfp280c_j5	0.176269	0 -1.79769e+308		1.96E-05	0.0005461
Zfp280c_j6	0.28672	0 -1.79769e+308		8.33E-08	4.56E-06
Zfp280c	0.621925	0.494057	-0.332063	0.326838	0.669911
Gpr119_j1	0.170347	0.396721	1.21965	0.0298943	0.18531
Gpr119	0.21869	0.517604	1.24296	0.0074418	0.0689936
Enox2_j1	0.317131	0.221587	0	1	1
Enox2	2.64718	1.67077	0	1	1
AK039412_j1	0.463294	0.189553	-1.28933	0.0122108	0.0994683
6720401G13Rik_j1	1.5253	1.38937	0	1	1
Frmd7_j3	0.142171	0.0744227	-0.933815	0.204634	0.548825
Frmd7	0.260678	0.136046	-0.938176	0.0379202	0.216194
Rap2c	16.4962	14.6191	-0.174282	0.086796	0.360114
Hs6st2	1.37895	0.913117	0	1	1
Hs6st2_j2	0.711454	0.396717	0	1	1
Hs6st2	0.716313	0.623404	0	1	1
Gpc4	1.03131	1.18688	0.202698	0.242949	0.590422
Gpc3_j1	5.62802	8.35286	0.569642	0.0079643	0.0722989
Gpc3	7.72799	9.56887	0.308255	0.0131272	0.104745
Gm14586	101.245	119.185	0.235349	0.0143783	0.111597
Fam122b	1.93013	1.56871	-0.299118	0.157598	0.491651
Fam122b_j2	0.103039	0 -1.79769e+308		0.004948	1
Mospd1_j4	2.87096	2.50177	0	1	1
Gm1862	1.8177	1.78069	-0.0296778	0.905189	0.969928
Mmgt1_j1	0.261506	0.241156	0	1	1
Mmgt1	5.87116	4.51283	0	1	1
Arhgef6_j2	3.13259	2.81786	0	1	1
Arhgef6_j5	1.31969	1.20757	0	1	1
Rbmx_j4	4.02955	4.84592	0.266151	0.0642996	0.301101
Rbmx	0.818337	0.72528	-0.174156	0.362784	0.697059
Fgf13_j1	14.215	8.11496	0	1	1
Fgf13	76.0089	52.9596	0	1	1
Fgf13_j2	0.892991	0.850908	-0.0696418	0.935921	0.980349
Gm5637	74.9033	94.2342	0.331221	0.0001893	0.0036634
Mcf2_j5	0.0854075	0 -1.79769e+308		0.0014384	1
Mcf2_j4	0.192791	0.0417707	-2.20647	0.0326734	0.196609
Mcf2	0.660174	0.367001	-0.847061	0.0065899	0.0628169
Atp11c_j3	0.657382	0.538145	-0.288737	0.502036	0.786029
Atp11c_j1	0.881723	5.86E-05	-13.8775	0.835813	0.947255
Atp11c	0.793725	0.571981	-0.472672	0.0879502	0.363161
Slitrk4	3.05352	1.68479	0	1	1
Gm14681	106.946	113.397	0.0845101	0.410885	0.730544
Ids_j7	1.39314	1.26425	0	1	1
Ids_j4	0.388302	0.0795825	0	1	1
BC023829	14.2242	11.859	-0.262368	0.0159449	0.120124

Cd99l2_j7	0.626449	0.5986	0	1	1
Cd99l2	9.33335	14.8711	0	1	1
Cd99l2_j8	8.0283	0	0	1	1
Gabre_j1	0.243799	0.171684	-0.505937	0.197688	0.540689
Gabra3	1.9152	0.533973	0	1	1
Cetn2	20.8876	20.3508	-0.0375615	0.748309	0.912384
Xlr4c_j5	0.370094	0.167477	-1.14393	0.336934	0.677294
Haus7	3.72145	3.33364	-0.158764	0.41714	0.73427
Haus7	1.56773	1.63948	0.0645615	0.846071	0.951378
Pnck	1.03388	0.391104	0	1	1
Pnck	4.63145	2.84723	0	1	1
Bcap31_j1	60.8294	61.523	0.0163569	0.862945	0.956568
Idh3g_j4	4.31622	5.62868	0.383028	0.103113	0.398042
Pdzd4_j2	1.94389	1.0695	-0.862008	0.0007816	0.0117553
Pdzd4	5.80482	5.90035	0.0235486	0.856577	0.95465
L1cam	6.31976	7.23026	0	1	1
Naa10_j4	8.64339	9.1435	0.0811505	0.670445	0.875338
Naa10	4.79363	5.37616	0.165457	0.452058	0.757196
Hcfc1_j1	0.147401	0	-1.79769e+308	4.64E-08	2.75E-06
Hcfc1_j3	15.4781	15.5103	0.00299276	0.981097	0.994152
Irak1_j5	4.5362	4.51263	0	1	1
Irak1	4.05056	3.27734	0	1	1
Mecp2	0.973023	0.46611	0	1	1
Mecp2	0.626428	0.587539	0	1	1
Flna_j11	0.0816203	0.0363087	-1.16861	0.118067	1
Flna_j9	0	0.180058	1.79769e+308	3.88E-06	0.0001361
Lage3_j1	1.39885	1.43681	0.0386352	0.933575	0.979831
Lage3	6.42394	7.48984	0.221475	0.262885	0.611724
Ubl4	21.244	25.0013	0	1	1
Fam3a	9.89807	10.7006	0.112469	0.34679	0.685741
G6pdx	1.01871	0.915791	-0.153654	0.512505	0.792284
Gab3_j5	0.133796	0.0524542	-1.3509	0.297244	1
Gab3_j6	0.100047	0	-1.79769e+308	0.0521109	1
Mpp1	15.1602	14.8901	0	1	1
F8_j1	0.245437	0.239573	-0.0348823	0.908721	0.971225
F8_j6	0.0532736	0	-1.79769e+308	0.00014	1
Rab39b	23.4224	21.1341	-0.148321	0.113071	0.418521
Pls3_j1	1.42291	1.29324	0	1	1
Pls3_j2	27.4791	32.7648	0	1	1
Pls3_j3	44.5335	32.917	0	1	1
Gm14706	3.41677	4.2511	0.315205	0.413567	0.73232
Gm8722	39.5697	38.2571	-0.0486706	0.649232	0.865193
Prkx_j3	1.95359	1.98195	0	1	1
Prkx	12.3938	12.9488	0	1	1
Prrg1	0.404503	0.363816	-0.152941	0.719376	0.899124
Prrg1	2.09997	1.12202	-0.904277	5.30E-05	0.0012544
Gm8822	45.4144	43.1921	-0.0723799	0.415617	0.733384

Gyk	7.37588	6.78664	-0.120117	0.320096	0.663432
Gyk_j1	1.51216	1.43279	-0.077785	0.755863	0.915824
Pola1_j7	0.986926	0.86068	-0.197464	0.550436	0.815351
Pola1	0.886214	0.558154	-0.666992	0.0044518	0.0465521
Pdk3_j3	1.80723	1.00455	0	1	1
Zfx	4.68E-05	0.227142	0	1	1
Zfx	0.48337	0.12715	0	1	1
Eif2s3x_j1	0.661261	0.610279	-0.115751	0.845563	0.951207
Maged1	184.952	224.401	0.278932	0.0017729	0.0226866
Zxda	1.54436	1.30872	-0.23886	0.136649	0.459682
Arhgef9	2.35673	1.69074	0	1	1
Arhgef9_j7	2.73189	1.39876	0	1	1
Arhgef9_j1	0.743156	0.353264	0	1	1
Arhgef9_j2	0.746372	0.212425	0	1	1
Fam123b	2.36438	1.29357	0	1	1
Zc4h2	8.03623	7.61361	-0.0779372	0.540118	0.808758
Las1l	9.77727	10.6566	0.124239	0.27126	0.620215
Ophn1_j1	0.335084	0.825056	0	1	1
Ophn1	3.69894	2.89953	0	1	1
Pja1_j2	19.298	19.6221	0	1	1
Pja1_j1	32.9962	30.4621	0	1	1
Pdzd11	31.1086	31.311	0.00935817	0.934918	0.980088
Pdzd11	3.60123	3.26635	-0.140812	0.551455	0.815825
Slc7a3_j2	0.329844	0.247332	-0.415337	0.476094	0.771923
Slc7a3	1.72915	2.75298	0.670931	0.000474	0.007784
Snx12	4.06615	3.5447	-0.198	0.100832	0.393219
Il2rg_j3	0.231677	0.384698	0.731612	0.355813	0.691682
Il2rg_j4	0.0748397	0.0959842	0.358992	0.79209	1
Il2rg	0.624632	1.11102	0.830809	0.0143096	0.111157
Zmym3_j5	2.85104	3.66865	0	1	1
Zmym3_j12	0.724093	0.713143	0	1	1
Rgag4_j1	0.125783	0.270459	0	1	1
Rgag4	0.749531	1.09455	0	1	1
Rgag4	0.607926	0.755497	0	1	1
Rps4x_j2	2.1374	2.40283	0.168877	0.574159	0.827905
Rps4x_j5	9.88088	14.2863	0.531919	0.0417522	0.230484
Hdac8	3.55721	3.66484	0.0430031	0.796643	0.932312
Phka1_j5	0.945893	0.448545	0	1	1
Phka1	3.72446	2.31878	0	1	1
Dmrtc1a_j2	0.681807	0.35011	-0.961553	0.083862	0.353169
XLOC_036762	0.11825	0.0495709	-1.25427	0.311879	1
Gm6206	17.4093	19.1585	0.138128	0.176402	0.515064
Nap1l2	34.1065	24.9924	0	1	1
B230206F22Rik_j1	0.0911094	0.0872114	-0.0630821	0.958486	1
B230206F22Rik_j1	0.245322	0.118601	-1.04857	0.0192969	0.137487
B230206F22Rik_j4	0.99265	0.794607	-0.321043	0.284735	0.633445
Slc16a2_j2	0.371836	0	0	1	1

Slc16a2	5.00043	4.51459	0	1	1
Rlim	5.91889	5.02359	0	1	1
Rlim	2.91719	1.86031	0	1	1
C77370_j1	0.154002	0.197768	0.360864	0.363155	0.697221
Abcb7	6.52353	5.19487	0	1	1
Zdhhc15	3.84707	3.31509	0	1	1
Zdhhc15_j4	0.242279	0	0	1	1
Magee2	1.97375	1.92419	-0.0366894	0.843857	0.950605
5530601H04Rik	1.95502	1.64153	-0.252144	0.384093	0.71322
5530601H04Rik	1.05864	0.901796	-0.231344	0.47279	0.769697
5330434G04Rik_j2	0.670897	1.1478	0	1	1
5330434G04Rik	1.24465	1.28371	0	1	1
Atrx_j3	3.76077	3.6066	0	1	1
Atrx_j6	0.522056	0.273598	0	1	1
Magt1	2.8234	2.65839	0	1	1
Magt1	5.15755	5.28527	0	1	1
Taf9b	6.92013	6.40293	0	1	1
Itm2a	13.8146	13.9322	0.0122263	0.917504	0.974311
2610002M06Rik	7.84111	6.60282	-0.247974	0.0168489	0.124999
Brwd3_j4	0.0629731	0.0706151	0.165242	0.76101	1
Brwd3_j3	0.0667275	4.65E-05	-10.4858	0.810839	1
Rps6ka6_j2	0.237795	0.0495538	-2.26265	0.001566	0.0204522
Rps6ka6_j1	0.0644596	0.175363	1.44388	0.0096479	0.0834605
Hdx_j1	0.0764141	0.0429731	-0.830404	0.57225	1
Chm_j6	0.0728437	0	0	1	1
Chm	5.08109	4.20509	0	1	1
Nap1l3	14.2723	11.1139	0	1	1
Pcdh19	1.02964	0.905334	-0.185624	0.281584	0.630082
Pcdh19_j1	0.266124	0.212031	-0.32782	0.363052	0.697188
Tspan6	3.46707	3.68818	0.0891912	0.614006	0.847685
Trmt2b	6.45604	5.19902	-0.31241	0.0118933	0.0975503
Gla	5.23893	4.60008	-0.187613	0.0902238	0.368804
Armcx6	0.0839058	0.079517	0	1	1
Armcx6_j3	0.860187	0.579471	0	1	1
Armcx2	7.66333	8.33541	0	1	1
Armcx2_j2	6.65612	8.63185	0	1	1
Zmat1_j2	0.254603	0.129908	0	1	1
Zmat1	0.413329	0.306592	0	1	1
Zmat1_j1	0.399033	0.109072	0	1	1
Tceal6	4.77585	2.3085	-1.0488	1.03E-05	0.0003179
Bex2	30.7304	34.3762	0	1	1
Bex2_j1	88.436	87.2621	0	1	1
Tceal8	33.4677	31.8393	0	1	1
Morf4l2_j3	0.176473	0.449086	0	1	1
Rab9b	1.66178	1.11069	0	1	1
Tmsb15b2	1.21473	1.15771	-0.0693588	0.841059	0.949824
Tmsb15l	2.85429	2.33833	-0.287653	0.171164	0.507955

Tmsb15l_j1	0.0668781	0	-1.79769e+308	0.0641562	1
Mcart6	9.58516	10.1715	0	1	1
Ripply1	0.495745	0.664988	0.423729	0.338366	0.678732
Morc4	1.32763	0.848616	-0.645667	0.0035708	0.0395722
Rbm41	0.960136	0.828125	-0.21339	0.341545	0.681458
Tsc22d3	15.6979	12.8479	0	1	1
Tsc22d3	58.6346	51.5144	0	1	1
Psm10	8.43648	8.12244	-0.054727	0.703826	0.891632
Psm10	1.562	1.79256	0.198631	0.516054	0.794692
Kcne1l	1.01054	0.899129	-0.168531	0.526456	0.801051
Acsl4	10.7183	11.2216	0	1	1
Acsl4	1.57394	1.81802	0	1	1
Ammecr1	0.456787	0.464673	0	1	1
Lhfp1	2.48226	1.07899	0	1	1
Lhfp1_j1	0.413472	0.218485	0	1	1
Amot_j2	0.522638	0.36998	-0.498366	0.0877651	0.362622
Amot_j3	0.373245	0.343302	-0.120642	0.680703	0.879921
Gm5644	44.4455	47.5491	0.0973797	0.38601	0.714331
Gm8261	1.9093	1.83315	-0.058719	0.785751	0.928253
Lrch2_j6	0.430408	0	0	1	1
Lrch2_j4	0.459602	0.350295	0	1	1
Tmem29	8.74175	9.21455	0.0759909	0.633365	0.857531
Tro_j1	0.765551	0.00269346	0	1	1
Maged2	15.8656	14.5339	0	1	1
Gnl3l	31.4276	23.4608	0	1	1
Tsr2	8.30114	7.21973	0	1	1
A230072E10Rik_j1	0.626322	0.504148	-0.313058	0.448982	0.755281
2900056M20Rik	2.12085	1.60341	0	1	1
2900056M20Rik_j2	0.555286	0.530954	0	1	1
Tspyl2_j2	0.927036	0.680702	0	1	1
Tspyl2	12.305	12.2696	0	1	1
Gpr173_j3	0.122737	0.12284	0.00120612	0.998318	1
Shroom2_j3	0.146791	0.0725676	0	1	1
Shroom2_j2	1.143	0.814422	0	1	1
Shroom2	0.426892	0.492391	0	1	1
Kctd12b	0.548863	0.387061	-0.503887	0.113438	0.419202
Kctd12b	0.466192	0.435205	-0.0992297	0.753555	0.91482
Sat1_j1	11.0491	12.9482	0	1	1
Sat1	12.5665	12.341	0	1	1
Sat1_j5	5.31787	5.14476	0	1	1
Prdx4	8.07167	7.82137	-0.0454462	0.759058	0.917041
Ptchd1	0.888619	0.937128	0.0766814	0.662143	0.871836
Sms_j5	1.56934	1.44396	-0.120128	0.758385	0.916938
Mbtps2_j2	0.826483	1.18091	0	1	1
Mbtps2	2.33291	2.26471	0	1	1
Mbtps2_j3	0.62	0.343634	0	1	1
Yy2	0.539945	0.575724	0	1	1

Cnksr2_j1	0.815423	0.000550742	0	1	1
Cnksr2	1.19668	0.496987	0	1	1
Pdha1_j2	0.650982	0	0	1	1
Pdha1	27.7332	26.3146	0	1	1
Ppef1_j2	19.2395	25.6016	0	1	1
Ppef1_j7	0.00541368	3.79096	0	1	1
Ppef1_j5	6.25239	11.5142	0	1	1
Cdkl5_j2	0.149155	0.0244858	-2.6068	0.084824	0.355514
Reps2_j7	0.258758	0.313129	0	1	1
Reps2_j6	0.796268	0.128877	0	1	1
Reps2_j5	0.806089	0.372202	0	1	1
Gm15201	0.136897	0.0832924	-0.716834	0.495303	1
Gm15201_j1	0.175219	0.166197	-0.0762711	0.916945	0.97399
Txlng_j1	0.144403	0.146508	0.0208852	0.967079	0.99061
Syap1	12.2462	12.9898	0.0850491	0.459794	0.761644
S100g	0.548692	0.577342	0	1	1
1700045l19Rik	0.204474	0.16387	-0.319366	0.599302	0.841178
Zrsr2_j2	0.534253	0.324398	-0.719756	0.0684968	0.313436
Car5b	1.87091	1.59202	-0.232887	0.241758	0.588944
Bmx	0.274771	0.245133	-0.164664	0.6944	0.887283
Mospd2	4.80703	5.12958	0	1	1
Ofd1	1.43381	1.41486	0	1	1
Rab9	19.7343	18.0592	-0.127975	0.283246	0.631732
Tceanc	0.320894	0.507283	0.660694	0.0366911	0.211804
Tmsb4x	927.581	1218.73	0.39383	4.79E-05	0.0011513
Prps2_j1	3.23427	2.80343	0	1	1
Prps2	3.14377	2.63858	0	1	1
Frmpd4_j5	0.0589176	0 -1.79769e+308	0.0002881	0.0002881	1
Msl3	1.74554	1.7115	-0.0284104	0.874976	0.96023
Msl3_j5	0.176907	0.105965	-0.739401	0.205374	0.549744
Hccs	2.41573	2.02668	-0.253339	0.236986	0.583799
G530011006Rik	0.625474	0.467098	-0.421224	0.0304299	0.187508
LOC100270707	0.0785846	0.208239	1.40592	0.0887474	0.365085
Gpkow	4.04094	4.78075	0.242547	0.0816462	0.348078
Gpkow_j4	2.94686	2.46589	-0.257073	0.239681	0.587096
Wdr45_j3	1.31971	1.30281	-0.0185989	0.949435	0.985359
Tcfe3	0.245809	0.29234	0	1	1
Gripap1	6.52771	7.91315	0	1	1
Kcnd1_j2	0.0399339	0.112134	0	1	1
Pim2	11.9617	10.9006	-0.134013	0.241616	0.588714
Timm17b	5.30853	5.54996	0.0641654	0.61293	0.84737
Xk_j1	0.733435	0.1702	0	1	1
Usp9x_j15	0.0858538	0.00563623	-3.92908	0.0795235	1
Rp2h_j1	0.182362	0.0587047	-1.63525	0.254348	0.602682
Phf16	0	0.0691528 1.79769e+308	0.0190427	0.0190427	1
Rbm10_j1	0.762515	0.8506	0.157717	0.536467	0.806869
Uba1_j7	41.4437	56.0922	0	1	1

Cdk16	27.9718	23.3097	0	1	1
Araf_j1	24.2207	14.1618	0	1	1
Dock11_j7	1.44813	0.800084	0	1	1
Zcchc12_j2	0	0.269862	0	1	1
Zcchc12_j3	0.655753	0.366892	0	1	1
Gm6274	38.6562	44.511	0.203464	0.0619717	0.294516
Slc25a43_j1	0.364767	0.295385	-0.304379	0.675086	0.877609
Slc25a43_j4	0	0.0559736	1.79769e+308	0.115778	1
XLOC_036226	0.064051	0.096225	0.587192	0.482761	1
Slc25a5	1.09336	0.54986	-0.991628	0.0343104	0.202972
Mcts1_j1	0	0.061781	0	1	1
Gria3_j7	0.0446373	0.0630799	0.498931	0.587876	1
Gria3_j1	0.35363	0.222123	-0.670883	0.109009	0.410746
Gria3_j13	0.399479	0.0165619	-4.59218	0.0099708	0.08545
Stag2_j1	0.127302	0.159548	0	1	1
Ocrl_j5	12.3784	11.7933	-0.0698503	0.54853	0.814203
Bcorl1_j4	1.29127	1.13066	-0.191622	0.532012	0.803917
Rab33a_j1	9.40922	12.0372	0.355347	0.0790268	0.341089
Slc25a14_j4	0.266672	0.199465	0	1	1
Arhgap36_j2	0.74945	0.446611	0	1	1
XLOC_036267	0.153725	0.142457	-0.109825	0.83222	0.945814
Ddx26b	2.54039	2.62239	0	1	1
Ddx26b_j12	3.6232	4.24146	0	1	1
Fhl1_j2	15.7539	25.2734	0	1	1
Fhl1_j4	0	0.746552	0	1	1
Fhl1_j5	7.46896	6.94942	0	1	1
C230004F18Rik_j4	0.478174	0.671435	0.489712	0.0682231	0.312683
C230004F18Rik_j10	0.147623	0.164811	0.158897	0.889211	0.964827
Slitrk2_j4	1.9132	1.98842	0	1	1
Fmr1_j2	1.93106	1.87626	0	1	1
Mamld1_j1	0.0428126	0.105666	1.3034	0.124933	1
Mtmr1_j3	1.76728	1.94146	0	1	1
Vma21_j1	0.169096	0.427791	0	1	1
Vma21_j3	1.08754	1.18592	0	1	1
Nsdhl_j2	10.7849	16.8079	0	1	1
F8a	7.82917	8.70719	0.153348	0.198185	0.54132
Atp2b3_j3	0.232277	0.0675656	-1.78148	0.0305564	0.187979
Plxb3_j4	0	0.0508648	0	1	1
Ssr4	22.7533	23.0265	0.0172177	0.886651	0.964085
Emd	0.0985372	0.123634	0.32734	0.770717	1
Plxna3_j10	0	0.256458	0	1	1
Ikbkg	1.24235	1.25218	0	1	1
Brcc3	16.8366	14.4941	-0.216135	0.068389	0.31317
Brcc3	0.421253	0.332379	-0.341857	0.210367	0.554929
Tbl1x	3.041	2.19965	0	1	1
Gm6954	0.894512	1.16681	0.383399	0.573851	0.827828
Dmd_j13	2.3361	2.82102	0	1	1

Tab3_j7	0.297995	0.222764	0	1	1
Pcyt1b	7.44366	8.74397	0	1	1
Klhl15_j5	0.319272	0.131666	-1.27791	0.257082	0.605894
Apoo_j5	1.67926	1.71177	0.0276582	0.939448	0.981547
Stard8_j3	0.29383	3.70E-05	0	1	1
Stard8	0.559022	1.02441	0	1	1
XLOC_036367	0.0470136	0.0686408	0.54599	0.794779	1
Kif4_j1	0.0588797	0.106427	0.854019	0.574675	1
Gdpd2_j4	0.408476	0.110206	-1.89005	0.0154786	0.117492
Dlg3	0.316021	0.41	0	1	1
Dlg3_j7	0.135337	0.0976933	0	1	1
Dlg3_j8	0.509963	0.505382	0	1	1
Med12_j6	0.340253	0	0	1	1
Nono_j5	0.0520889	0.0788488	0.598111	0.694298	1
Ogt_j10	2.56608	2.7534	0.101646	0.530052	0.802912
Chic1_j2	0.322214	0.328268	0.0268562	0.971833	0.991962
2610029G23Rik_j7	0.234104	0.435454	0.895372	0.367714	0.701085
Atp7a_j2	0.424448	0.000518566	-9.67684	0.258292	0.60698
Pgk1_j3	0.951552	9.57232	0	1	1
Zfp711_j5	0.116559	0.160077	0.457702	0.479441	0.773601
Diap2_j6	1.8197	1.88965	0.0544156	0.749845	0.913026
Cstf2_j5	5.81624	4.52169	0	1	1
Tmem35_j2	0.972105	1.02382	0	1	1
Drp2	2.31992	3.12103	0	1	1
Armcx3_j2	1.63922	1.36036	0	1	1
Bhlhb9	2.16699	2.20527	0	1	1
Bex4	0.153519	0.146666	0	1	1
Wbp5_j1	0.413937	0.835686	0	1	1
Ngfrap1_j2	13.9418	9.6487	0	1	1
Ngfrap1_j1	1.67932	4.44495	0	1	1
BC065397_j6	0.0593314	0.233563	0	1	1
Plp1_j3	0.584002	0.39298	0	1	1
Zcchc18_j4	47.3736	49.2433	0	1	1
Zcchc18_j3	34.0323	34.3447	0	1	1
Zcchc18_j5	2.42141	3.23174	0	1	1
Frmpd3_j8	0.892576	0.219515	0	1	1
Mid2	1.65402	1.01534	0	1	1
Nxt2_j3	1.55234	0.984585	0	1	1
Tmem164_j1	2.76832	2.14801	0	1	1
Tmem164	4.10343	4.26325	0	1	1
Tmem164_j5	0	0.18736	0	1	1
Rgag1_j1	1.34592	1.4283	0	1	1
Pak3_j1	0.297564	0	0	1	1
Alas2	0	0.072308	1.79769e+308	0.0623006	1
Fam120c_j1	2.60306	1.97458	0	1	1
Phf8_j8	3.13172	2.96748	-0.0777183	0.658721	0.870342
Huwe1_j1	0.231173	0.188984	0	1	1

Kdm5c_j4	1.09546	0.928865	0	1	1
AK013876_j2	1.44458	0.71948	-1.00563	2.62E-05	0.0006919
Smt3h1-ps	9.86758	10.4605	0.0841867	0.702383	0.890916
Spin2_j2	0.106251	0 -1.79769e+308	0.0305637		1
Acot9_j1	6.77462	7.66317	0.177801	0.24677	0.594321
Smpx_j2	0.770559	0.558285	-0.464904	0.302725	0.648644
Mtap7d2_j4	23.7988	22.1642	0	1	1
Mtap7d2_j14	36.6812	33.138	0	1	1
Mtap7d2_j13	78.2916	62.0858	0	1	1
A830080D01Rik_j5	0.366017	0.486699	0	1	1
A830080D01Rik_j4	0.70004	0.218489	0	1	1
Sh3kbp1	1.8539	2.08769	0	1	1
Sh3kbp1_j7	1.18831	1.37514	0	1	1
Sh3kbp1	0.803295	1.22222	0	1	1
Gpr64	0.885695	0.979611	0	1	1
Gpr64	1.87326	1.42863	0	1	1
Phka2_j1	2.14862	1.61715	0	1	1
Phka2_j2	1.51994	1.56769	0	1	1
Rbbp7_j2	14.6067	14.5283	0	1	1
Rbbp7	9.21098	9.17609	0	1	1
Ctps2	3.11163	2.44753	0	1	1
Ctps2	1.54019	1.4865	0	1	1
Ap1s2	45.2822	39.5067	-0.196846	0.0302382	0.186706
Tmem27_j1	0.124965	0.177543	0.50665	0.501319	0.785385
Ace2_j3	0.0868787	1.13E-05	-12.9141	0.985229	1
Pir	13.7981	11.9138	-0.211843	0.114518	0.421109
Fancb_j5	0	0.0608838 1.79769e+308	0.0609832		1
Gemin8_j2	0.0587311	0.0750323	0.353387	0.747046	1
Trappc2_j2	20.9165	17.3521	0	1	1
AK051847_j3	0.15507	0.27487	0.825832	0.0956381	0.381799
AK051847_j1	0.205696	0.0863055	-1.25299	0.037408	0.214453
Mid1_j1	0.680508	0.454244	-0.583145	0.098543	0.388048
Mid1_j2	0.168938	0.0343485	-2.29818	0.0321556	0.194495
Ccdc22_j5	1.7352	2.19275	0.337643	0.258061	0.606671
Plp2_j1	9.88283	14.8475	0.587224	0.0004333	0.007219
Plp2_j5	1.13415	0.947108	-0.260005	0.54823	0.814119
Magix_j1	0	0.0810148 1.79769e+308	0.0445236		1
Hdac6	3.68499	4.20571	0	1	1
Tbc1d25_j1	2.95156	2.92113	0	1	1
Ftsj1_j1	4.6843	4.29258	0	1	1
Srpx	1.36449	1.23583	-0.142878	0.556057	0.818663
Rpgr	0.763131	0.53723	-0.50639	0.187333	0.528302
Rpgr_j3	0.391022	0.112392	-1.79871	0.01678	0.124626
mKIAA1575_j4	0.470232	0.384315	0	1	1
1810030O07Rik	1.45348	1.69228	0.219462	0.182941	0.52343
Med14_j5	11.1835	10.3203	-0.115883	0.247276	0.594858
Cask_j6	1.04876	1.62862	0	1	1

Efhc2_j4	0.0893822	0.339488	1.9253	0.0072996	0.0680375
4930578C19Rik_j1	0.0295424	0.076571	1.37401	0.272155	1
Syn1_j3	67.0714	72.8617	0	1	1
Syn1	2.53964	2.82623	0	1	1
Gm6938_j1	0.174726	0.206698	0.242435	0.818251	0.941034
Klhl13_j1	1.37645	0.643872	0	1	1
Klhl13_j4	0	0.326451	0	1	1
Sept6_j4	28.7254	33.9649	0.241715	0.010535	0.0888778
Fam70a_j1	5.71691	4.39082	0	1	1
Thoc2_j3	0	0.0568748	1.79769e+308	0.0606954	1
Thoc2_j4	0.411385	0.461765	0.166671	0.6401	0.860827
Smarca1_j3	1.79781	1.94901	0	1	1
Aifm1_j3	0.138219	0.217057	0	1	1
Zfp280c_j3	0.210381	0.0707926	-1.57134	0.0592826	0.286245
Enox2_j5	0.0672051	8.11E-05	0	1	1
Enox2_j4	0	0.870933	0	1	1
AK039412_j2	0.901374	0.0391755	-4.5241	0.351351	0.688503
Frmd7_j1	0.07309	0.0298686	-1.29105	0.187352	1
Hs6st2	14.2362	10.0311	0	1	1
Hs6st2_j1	1.37147	0.81872	0	1	1
Fam122b_j4	0.91812	0.000150578	-12.574	0.880686	0.962006
Mmgt1_j2	0.321143	0.931329	0	1	1
Arhgef6_j6	0.213551	1.23319	0	1	1
Arhgef6	4.11644	3.47918	0	1	1
Arhgef6	0.644274	0.437454	0	1	1
Rbmx	2.67023	1.38726	-0.944725	0.0003288	0.0057586
Fgf13_j2	39.7583	29.2877	0	1	1
Atp11c_j2	0.1158	0.0750722	-0.625289	0.563572	1
Slitrk4_j2	0.822129	0.52051	0	1	1
Ids_j1	38.5336	43.6428	0	1	1
Ids_j2	1.92752	1.51125	0	1	1
Cd99l2_j1	11.2852	12.7391	0	1	1
Cd99l2_j2	0.894104	0	0	1	1
Bcap31	23.2275	22.86	-0.0230066	0.844099	0.950736
ldh3g_j1	58.9294	56.839	-0.0521059	0.580716	0.831731
Pdzd4_j3	0.202782	0	-1.79769e+308	2.47E-06	9.16E-05
L1cam_j1	0.499835	0.579692	0	1	1
Arhgap4_j3	0.181037	0.08343	-1.11765	0.196809	0.539631
Naa10_j1	2.66426	2.96482	0.154208	0.619614	0.850756
Renbp	0.356585	0.488146	0.453067	0.427629	0.741838
Hcfc1	4.80914	4.64834	-0.0490634	0.657866	0.869724
Irak1_j1	0	0.7196	0	1	1
Flna_j1	20.0565	26.8083	0.418612	0.0026137	0.0309208
Flna_j2	4.78912	6.45053	0.429658	0.0011637	0.0161276
Flna_j3	0.110874	0.0851782	-0.38037	0.467288	1
Slc10a3	3.19167	3.08242	0	1	1
G6pdx_j2	1.10926	0.974344	-0.187099	0.566464	0.824486

Gyk	0.46865	0.273577	-0.776561	0.110518	0.413788
Zfx_j3	1.17121	1.46176	0	1	1
Maged1_j1	21.8571	33.1576	0.60124	2.54E-06	9.41E-05
Arhgef9_j3	3.40657	3.10073	0	1	1
Arhgef9_j6	0.961483	0.626696	0	1	1
Las1l_j3	0.56616	0.576664	0.0265206	0.960536	0.988865
Snx12_j1	9.70025	10.3735	0.0968129	0.503334	0.787002
Il2rg_j2	0.43515	0.579644	0.413654	0.477578	0.77269
Zmym3_j8	0.464637	1.10951	0	1	1
Zmym3_j7	0.221289	0.456717	0	1	1
Zmym3_j4	5.63853	3.88778	0	1	1
Zmym3_j6	0.4649	0.32994	0	1	1
Rps4x_j3	20.8104	23.9016	0.199808	0.114969	0.421857
Cited1	1.42742	1.12734	-0.340494	0.36844	0.701715
Phka1_j1	0.612693	0.240853	0	1	1
B230206F22Rik_j2	0.0375111	0.144131	1.94199	0.181978	1
C77370_j4	0.0142401	0.185619	3.70432	0.0418929	0.231058
Abcb7_j1	0.0806595	0.131544	0	1	1
Atrx_j2	0.0494135	0	0	1	1
Rps6ka6_j3	0.237627	0.393163	0.726425	0.0851322	0.356148
Rps6ka6_j5	0.976561	0.782598	-0.319439	0.215838	0.561549
Tspan6_j1	0.234686	0.251095	0.0975036	0.898484	0.967622
Trmt2b_j1	0.0829737	0.143758	0.79292	0.300956	1
Timm8a1_j1	10.5055	12.2399	0.22045	0.116175	0.424212
Tceal5	2.65345	2.46793	0	1	1
Morf4l2_j1	0.339298	19.3397	0	1	1
Mcart6	0.50354	0.68045	0	1	1
Mcart6	0.0316557	0.0516154	0	1	1
Gm15013	2.43662	3.01907	0.30922	0.178604	0.518168
Rbm41	0.228915	0.199937	-0.195267	0.734014	0.90626
Tsc22d3_j1	3.87339	4.34346	0	1	1
Acsl4_j1	8.48045	11.1497	0	1	1
Capn6_j1	0.255063	0.315942	0.308807	0.528675	0.802224
Amot_j4	1.42535	1.40359	-0.0221955	0.908981	0.971253
Lrch2_j8	0.131051	0.0563265	0	1	1
Tmem29_j1	3.76414	4.4316	0.235505	0.33576	0.676402
XLOC_036850	0.386029	0.386005	-9.24E-05	0.999868	0.999918
XLOC_036850	0.0278107	0.132773	2.25524	0.238195	1
Apex2	1.64839	1.64514	-0.00284881	0.988683	0.996605
Tro_j4	1.31246	0.50928	0	1	1
Gnl3l_j2	0.316291	0	0	1	1
Shroom2_j1	0.532965	0.709731	0	1	1
Sat1_j3	1.90221	1.61723	0	1	1
Sat1_j2	0.406543	0.119346	0	1	1
Sat1_j4	1.18659	1.12289	0	1	1
Prdx4_j1	15.2267	16.2269	0.0917903	0.587604	0.83506
Sms_j1	34.3397	33.1107	-0.0525784	0.568551	0.825633

Mbtps2_j1	1.30908	1.01578	0	1	1
Ppef1_j1	0	3.192	0	1	1
Nhs_j4	0.0543592	0 -1.79769e+308	0.0662536		1
Syap1_j1	6.60409	5.50164	-0.263497	0.170828	0.507711
Zrsr2_j1	2.10447	2.58323	0.295715	0.157451	0.49157
Car5b_j1	0.981872	0.791561	-0.310835	0.302072	0.648243
Bmx_j3	0.163123	0.133059	-0.293894	0.69729	0.888552
Mospd2	1.57488	0.907551	0	1	1
Tceanc_j2	0.166162	0.171905	0.0490233	0.933909	0.979958
Msl3_j7	0.378851	0.127087	-1.57582	0.0230727	0.155463
Msl3_j1	2.40176	2.45247	0.0301404	0.851608	0.952877
Hccs	0.499906	0.578677	0.211101	0.596275	0.83935
Prickle3	0.58802	0.530388	-0.148817	0.614275	0.847685
Prickle3_j1	0.0512231	0.052643	0.0394475	0.967597	1
Gpkow_j2	0.105808	0 -1.79769e+308	0.0012482		1
Praf2_j2	13.4774	18.3803	0.447615	0.0111248	0.092746
Tfe3	0.233693	0.28662	0	1	1
Tcfe3	6.42655	5.42134	0	1	1
Gripap1_j2	4.42804	5.477	0	1	1
Kcnd1_j7	13.0733	10.9717	0	1	1
Pcsk1n_j1	54.2982	44.1738	-0.297715	0.034977	0.205583
Lanc13_j2	0.75782	0.143127	-2.40456	7.98E-05	0.0017722
Mid1ip1_j1	11.6245	11.1151	0	1	1
AK036020_j2	0.0734932	0.0667699	-0.138414	0.936078	1
AK036020_j7	0.103495	0.051401	-1.00969	0.533286	1
AK036020_j8	0.063761	0 -1.79769e+308	0.0614968		1
Usp9x_j5	0.402277	0.180528	0	1	1
Usp9x_j13	15.9172	15.3975	-0.0478916	0.611121	0.846733
Usp9x_j14	13.4054	12.7174	-0.0760104	0.399892	0.723377
Ddx3x_j2	0.237875	0.266032	0.1614	0.79464	0.931482
Kdm6a_j9	0.427527	0.419808	-0.0262884	0.966514	0.990403
Uba1_j4	1.48132	0.00743207	0	1	1
Slc25a43_j2	0.076368	0.0244147	-1.64522	0.156116	1
Ankrd58	0.171316	0.0874741	-0.969729	0.308793	0.653685
Mcts1_j3	16.2556	16.7805	0	1	1
Gria3_j3	0.789793	0.585476	-0.431865	0.113743	0.419374
Gria3_j5	0.270304	0.234373	-0.20578	0.638179	0.859943
Gria3_j8	0.207907	0.0593718	-1.80809	0.0589302	0.28542
Xiap_j3	8.78681	7.51362	0	1	1
Xiap	1.57599	1.5507	0	1	1
Ocr1_j4	0.15989	0 -1.79769e+308	0.0005654	0.0090306	
Xpnpep2_j1	0.0683311	0 -1.79769e+308	0.024999		1
Xpnpep2_j4	0.0733775	0.0239245	-1.61685	0.465803	1
Sash3_j2	0.135652	0.0476148	-1.51043	0.202848	1
Bcor11	0.0475327	0.0414766	-0.196622	0.803235	1
Slc25a14	0.706846	0.0479343	0	1	1
Slc25a14_j8	2.27889	1.97215	0	1	1

Slc25a14	0.731098	0	0	1	1
Slc25a14_j7	0	0.0740269	0	1	1
Arhgap36_j3	2.69281	0.567194	0	1	1
XLOC_036258	0.134405	0.11507	0	1	1
Ccdc160_j1	1.27207	0.602543	-1.07804	0.013465	0.106602
4930502E18Rik	0.62422	0.134648	-2.21287	0.0172649	0.127123
4930502E18Rik_j2	0.0665131	0.0250856	-1.40678	0.473348	1
Ddx26b_j6	1.90318	1.56812	0	1	1
Ddx26b_j5	0.049983	0	0	1	1
Ddx26b_j10	0.0766047	0.0638846	0	1	1
Slc9a6_j4	0.156134	0	0	1	1
Fhl1	0.802758	0.0107331	0	1	1
F9_j1	0.12076	0	-1.79769e+308	0.0017247	1
C230004F18Rik_j1	0.477364	0.632699	0.406428	0.0578597	0.282283
Slitrk2_j1	0.205067	0.0235577	0	1	1
Fmr1_j6	0.050388	0	0	1	1
Aff2_j3	0.324972	0	-1.79769e+308	8.38E-17	2.14E-14
Mtm1_j1	1.71824	1.8306	0.0913872	0.755888	0.915824
Mtmr1_j5	0.334041	0.311159	0	1	1
Vma21_j2	0.758981	1.30329	0	1	1
Atp2b3	2.05837	0.944895	-1.12328	2.19E-08	1.42E-06
Atp2b3_j9	0.128674	0	-1.79769e+308	0.0001752	1
Plxnb3_j8	1.15432	1.19017	0	1	1
Atp6ap1_j1	1.50243	1.30385	0	1	1
Gdi1_j2	38.4858	33.8753	0	1	1
Plxna3_j2	0.507256	0.543857	0	1	1
Plxna3_j6	0.297421	0.274156	0	1	1
Plxna3_j7	0.22588	0.332324	0	1	1
Ikbkg_j4	0.43404	0.490812	0	1	1
XLOC_036326	0.112891	0.0478559	-1.23817	0.406444	1
Brcc3_j2	0.122317	0.223209	0.867769	0.0299356	0.185519
Tbl1x_j2	7.57562	6.6325	0	1	1
Dmd_j1	0.0862845	0.0252712	-1.7716	0.526635	1
Dmd_j15	3.00234	3.45997	0	1	1
Tab3_j3	0.887584	0.773319	0	1	1
5430427019Rik_j1	0.210844	0.191677	-0.1375	0.834339	0.946759
Klhl15_j2	0.180039	0.150836	-0.255326	0.622376	0.852322
Klhl15_j1	0.105946	0.0909439	-0.220278	0.738061	1
XLOC_036353	0.0991135	0.0677389	-0.549096	0.630073	1
Gm14827_j2	0.241549	0.120716	-1.0007	0.0184162	0.133186
AK050859_j1	0.839751	0.866797	0	1	1
Zc3h12b	0.293075	0.193782	-0.596833	0.0541626	0.271281
Heph_j1	0.122735	0.0782452	-0.649479	0.415516	1
Stard8_j6	0.583819	0.389385	0	1	1
Eda_j2	0.132233	2.28E-05	0	1	1
Gdpd2_j2	0.628283	0.478363	-0.393307	0.305314	0.650417
Gdpd2_j1	0.378009	0.192354	-0.974657	0.113652	0.419374

Dlg3_j1	0.286896	0.251743	0	1	1
Med12_j4	0.0729393	0.0228863	0	1	1
Med12_j5	0.983469	0.82853	0	1	1
Med12_j11	0.449408	0.895682	0	1	1
Nono_j2	9.64894	12.5303	0.376975	0.118533	0.428543
Nono_j6	9.62925	17.909	0.89519	4.46E-12	5.76E-10
Nono_j7	30.0524	26.2594	-0.194648	0.0881666	0.363523
Taf1_j2	3.30143	2.43413	0	1	1
Ogt_j1	1.18766	0.200713	-2.56491	1.67E-11	1.95E-09
Pin4_j1	0.102327	0.148479	0.537076	0.794485	1
2610029G23Rik	0.616583	0.176008	-1.80865	0.0674325	0.310637
2610029G23Rik_j6	3.71213	4.23523	0.190194	0.464554	0.764829
2610029G23Rik_j5	1.39737	1.86812	0.418871	0.25831	0.606992
Pgk1_j1	57.0682	73.1383	0	1	1
Sh3bgrl_j1	12.101	18.0079	0	1	1
Sh3bgrl_j4	5.90281	4.35086	0	1	1
Zfp711_j1	0.278666	0.187356	-0.572758	0.220771	0.567642
Zfp711	0.279944	0.00530531	-5.72156	0.0354355	0.207411
Zfp711_j4	0.0818829	1.32E-05	-12.5971	0.977559	1
Pabpc5	0.0760817	0.105027	0.465146	0.622627	1
Pcdh11x_j3	0.143434	0.0528048	-1.44164	0.054832	0.273143
Pcdh11x_j1	0.000140963	0.0536665	8.57256	0.764557	1
3110007F17Rik	1.06558	1.04025	-0.03471	0.888513	0.964658
3110007F17Rik_j1	0.324084	0.130758	-1.30947	0.0591069	0.285679
Diap2_j5	0.398613	0.295296	-0.432827	0.166186	0.502787
Diap2_j3	0.307758	0.345898	0.168548	0.578762	0.830487
Srpx2	0.451449	0.793963	0.814508	0.005021	0.0508988
Tmem35_j1	0.493727	0	0	1	1
Drp2_j2	0.0983142	0	0	1	1
Drp2_j1	0.0486837	0.015549	0	1	1
Drp2_j7	0.0578425	0.0464112	0	1	1
Armcx1	2.42724	2.26013	0	1	1
Armcx1_j1	0.41281	0.410403	0	1	1
Armcx3_j1	2.03783	1.8306	0	1	1
XLOC_036434	0.293736	0.166274	-0.820958	0.334024	0.674869
XLOC_036434	0.160499	0.0738304	-1.12027	0.241034	0.588208
Gprasp1_j4	9.42176	7.51539	-0.326148	0.0023776	0.0286843
Ngfrap1	55.892	62.0774	0	1	1
Ngfrap1	9.82077	8.08867	0	1	1
BC065397_j1	0.331548	0.199376	0	1	1
BC065397_j4	0.0803898	0.0190941	0	1	1
BC065397_j5	0.096898	0.0293413	0	1	1
Tbc1d8b_j4	0.0999411	0 -1.79769e+308		6.14E-05	1
Prps1	1.94461	2.4409	0.327933	0.205745	0.550218
Mid2_j1	1.52111	0.999281	0	1	1
Atg4a_j3	2.33557	2.66098	0.18818	0.300686	0.647265
Col4a5_j3	0.12951	0.0472736	-1.45396	0.385484	1

Col4a5_j5	0.052299	0	-1.79769e+308	0.006464	1
Col4a5_j4	0.163814	0.10018	-0.709457	0.254455	0.602729
Tmem164_j3	0.167783	0	0	1	1
Tmem164_j9	3.93591	5.90488	0	1	1
Pak3_j4	0.404893	0.140518	0	1	1
Pak3_j7	0.401366	0.169067	0	1	1
Alg13_j3	0.196086	0.0693571	-1.49937	0.0674121	0.310572
Alas2	0.35358	0.222629	-0.667392	0.304441	0.650023
Alas2_j2	0.169815	0.290589	0.775018	0.239223	0.586462
Alas2_j1	0.263181	0.386951	0.556096	0.308604	0.653511
Fgd1_j1	2.1438	1.72155	0	1	1
Wnk3_j1	0.226868	0.0334851	-2.76026	0.0005465	0.0087921
Phf8_j1	0.434887	0.283442	-0.61759	0.0840306	0.353682
Phf8_j5	0.492308	0	-1.79769e+308	2.46E-16	5.91E-14
Huwe1_j8	0.449851	0.388236	0	1	1
Huwe1_j7	0.133774	0.0915661	0	1	1
Huwe1_j11	0.0471676	0	0	1	1
Smc1a_j1	12.9533	16.1556	0	1	1
lqsec2_j1	10.995	8.73056	0	1	1
lqsec2_j6	0.398831	0	0	1	1
lqsec2_j2	0.389546	0.269756	0	1	1
Kdm5c_j3	1.00294	0.689322	0	1	1
AK013876_j3	0.547292	0.324564	-0.753806	0.0078372	0.0714764
Rragb_j3	0.230048	0.774203	0	1	1
2210013021Rik_j1	16.1619	19.0398	0.236417	0.155009	0.488311
XLOC_036493	0.226435	0.182136	-0.314079	0.322333	0.665296
Rps6ka3_j3	0.832847	0	0	1	1
Mtap7d2_j3	0.295155	0.332411	0	1	1
Mtap7d2_j8	6.06108	4.31158	0	1	1
Sh3kbp1_j1	0.0668306	0.156911	0	1	1
Sh3kbp1_j2	0.850187	0.338794	0	1	1
Map3k15_j1	0.159873	0	-1.79769e+308	0.0061476	0.059693
Gpr64	1.09964	0.71557	0	1	1
Gpr64_j1	0.542858	0.346517	0	1	1
XLOC_036510	0.286448	0.269641	0	1	1
Scml2_j3	0.067078	0.0819232	0.288433	0.782246	1
Ap1s2_j5	1.94704	2.207	0.180805	0.656285	0.86886
Ap1s2_j6	7.67378	7.546	-0.0242241	0.899086	0.96767
Ace2_j4	0.238061	0.0846282	-1.49212	0.232873	0.580117
Piga	0.586712	0.635411	0.115038	0.693614	0.886836
Piga	0.270739	0.124377	-1.12218	0.10117	0.393827
Fancb_j1	0.0969909	0.203304	1.06772	0.136915	0.460113
Fancb_j7	0.562321	0.241931	-1.2168	0.0993582	0.39017
Gemin8_j1	0.823763	0.910589	0.144571	0.648822	0.864842
Gpm6b	11.7457	12.0829	0	1	1
Gpm6b	14.3438	13.4911	0	1	1
Arhgap6_j1	0.0597957	0.114695	0.939693	0.252393	1

AK051847_j2	0.0513618	0.0833115	0.697821	0.583245	1
AK051847_j5	1.21585	0.978079	-0.313937	0.239485	0.586869
Ccdc22_j3	0.0204783	0.100171	2.29029	0.0425305	1
Plp2_j4	0.191585	0 -1.79769e+308		0.0025615	0.0304205
Pdzx	0.297748	0.111566	-1.41619	0.031117	0.190203
Ccdc120_j1	0.726512	0.988679	0.444516	0.142858	0.469774
Hdac6	2.5708	2.80818	0	1	1
Wdr13_j4	0.0604742	0	0	1	1
Rbm3_j1	4.83228	5.16443	0.0959047	0.562777	0.822297
Tbc1d25_j2	3.95949	4.4597	0	1	1
XLOC_036574	0.0507309	0.041121	-0.30299	0.853616	1
Bcor	5.07E-05	0.113329	0	1	1
mKIAA1575_j2	0.122377	0.0647639	0	1	1
mKIAA1575_j1	3.297	2.29752	0	1	1
Med14	0.85039	0.3414	-1.31666	0.0001647	0.0032628
Cask_j1	0.144807	0	0	1	1
Cask_j5	0.422347	0.302381	0	1	1
Efhc2_j3	0.468063	0.182055	-1.36233	0.0291229	0.18201
4930578C19Rik_j3	0.0925295	0.058561	-0.659974	0.608136	1
Syn1_j5	49.6368	36.9437	0	1	1
Syn1	58.7975	50.173	0	1	1
Zfp182_j1	0.478759	0.25102	0	1	1
Akap17b_j3	0.147285	0.194773	0	1	1
Sept6_j1	16.1083	11.6031	-0.473299	0.0033423	0.0375262
Sept6_j1	0.618036	0.481257	-0.360884	0.369613	0.703028
Sept6	4.01514	2.64846	-0.600298	0.0143695	0.111552
Rpl39	4.80648	4.88753	0.0241265	0.932169	0.979434
Upf3b_j3	1.61733	1.61942	0.0018617	0.9944	0.998387
Cul4b_j4	1.19284	1.97252	0	1	1
Odz1_j2	0.179066	0.129779	0	1	1
Odz1_j5	0.0626584	0.0440451	0	1	1
Odz1_j4	0.0726756	0	0	1	1
Smarca1	0.817443	0	0	1	1
Apln	0.215483	0.0505043	-2.0931	0.0467334	0.247961
Apln_j2	0.0778905	0.0757461	-0.040277	0.967184	1
Zfp280c_j4	0.169734	0 -1.79769e+308		2.60E-05	0.000688
Zfp280c_j7	0.439164	0.309682	-0.503972	0.229945	0.577072
Enox2_j3	0.976553	1.19832	0	1	1
AK039500_j1	0.273427	0 -1.79769e+308		0.013082	0.104555
6720401G13Rik_j7	0.75826	0.251599	0	1	1
Frmf7_j2	0.134776	0.0852078	-0.661501	0.277944	1
Hs6st2_j3	0.256127	0.251916	0	1	1
Fam122b_j3	0.195514	0.130845	-0.579413	0.430169	0.743027
Mtap7d3_j1	0.0824594	0.0611047	-0.432401	0.762939	1
Arhgef6_j1	0.839782	0.566763	0	1	1
Arhgef6_j3	0.176662	0.0270054	0	1	1
Arhgef6_j4	0.0867336	0.0396381	0	1	1

Rbmx_j1	0.102941	0.154052	0.581596	0.156622	1
Slitrk4_j1	0.363375	0.287177	0	1	1
Gm5391	13.5117	16.0696	0.250126	0.123702	0.438136
Ids_j3	0.488648	0.268424	0	1	1
Cd99l2_j4	0.538665	2.21233	0	1	1
Cd99l2_j5	21.9963	17.1516	0	1	1
Xlr4c_j4	0.0839268	0 -1.79769e+308		0.161479	1
Pdzd4_j4	9.93931	10.8784	0.130244	0.291043	0.638295
Pdzd4_j5	2.62416	2.48147	-0.0806589	0.701787	0.890441
L1cam_j5	16.9858	17.1881	0	1	1
L1cam_j6	58.859	55.8187	0	1	1
Naa10_j6	0.680929	0.138671	-2.29583	0.0842177	0.354146
Hcfc1_j2	0.259074	0 -1.79769e+308		1.45E-12	2.02E-10
Lage3_j2	1.00961	0.821918	-0.29673	0.60844	0.845752
Gab3	0.15335	0.172991	0.173867	0.803473	0.93476
Gab3_j4	0.144512	0 -1.79769e+308		0.0086643	0.0770163
4933407K13Rik_j1	0.250584	0.262247	0.0656324	0.831065	0.945521
Prkx_j2	14.0458	16.3385	0	1	1
Prrg1_j2	0.145209	0 -1.79769e+308		0.0002607	0.0047743
Prrg1_j3	0.169567	0 -1.79769e+308		6.89E-05	0.0015676
Gm16462_j1	0.107259	0.0645209	-0.733255	0.396401	1
Il1rapl1_j1	0.125375	0.152406	0.281667	0.819542	1
Pola1_j6	0.25589	0.000334871	-9.5777	0.883285	0.962963
Pdk3_j1	5.60338	4.51893	0	1	1
Zfx_j1	1.35459	0.899625	0	1	1
Arhgef9_j5	0.158478	0	0	1	1
Ophn1_j3	3.29283	3.56138	0	1	1
Slc7a3_j3	0.131782	0.070427	-0.903952	0.397102	1
Zmym3_j10	0.266235	0	0	1	1
Phka1_j2	0.581506	0.343395	0	1	1
Dmrtc1a_j1	0.200965	0.266566	0.407548	0.601085	0.841992
XLOC_036762	0.0629371	0 -1.79769e+308		0.0498379	1
B230206F22Rik_j4	0.224837	0.110013	-1.0312	0.119038	0.429231
Rlim_j1	0.558114	2.56473	0	1	1
C77370	0.0942068	0.0361642	-1.38127	0.450859	1
Zdhhc15_j2	0.239515	0	0	1	1
5530601H04Rik_j2	0.119491	0 -1.79769e+308		0.0079053	1
Atrx_j12	2.55888	2.89964	0	1	1
Atrx_j13	0.319128	0.273894	0	1	1
Atrx_j14	0.150541	0.00182528	0	1	1
Atrx_j15	0.382121	0.193726	0	1	1
Taf9b_j2	6.98558	6.75518	0	1	1
Brwd3_j7	0.0840009	0 -1.79769e+308		0.0712396	1
Rps6ka6_j4	0.470204	0.271707	-0.791236	0.0623453	0.295582
Hdx_j2	0.0713994	0 -1.79769e+308		0.123055	1
Chm_j4	0.112176	0	0	1	1
Xkrx_j1	0.119705	0 -1.79769e+308		0.010646	1

Armcx2	14.374	8.04187	0	1	1
Morf4l2	44.1776	36.5044	0	1	1
Acsl4	0.599604	0.9397	0	1	1
Capn6_j3	0.0773746	0 -1.79769e+308	0.0035575		1
Capn6_j2	0.113129	0.0113936	-3.31168	0.0947818	1
Lhfp1_j3	6.22106	4.19733	0	1	1
Lrch2_j2	0.127844	0.434908	0	1	1
Lrch2_j1	0.241467	0.332116	0	1	1
Tro	10.7957	9.09331	0	1	1
Ribc1	0.287663	0.233616	-0.300244	0.413798	0.732563
2900056M20Rik	0.398195	0.279926	0	1	1
Gpr173_j7	0.500969	0.427909	-0.227417	0.485552	0.777115
Shroom2_j4	0.634413	4.95E-05	0	1	1
Sms_j4	0.167393	0.128102	-0.38595	0.581292	0.832206
Mbtps2_j5	0.205503	0	0	1	1
Cnksr2_j2	0	0.456933	0	1	1
Cnksr2	0.303549	1.04651	0	1	1
Ppef1_j4	8.48921	7.86133	0	1	1
Nhs_j2	0.107177	0.0409289	-1.3888	0.0575342	1
Reps2_j1	7.6976	6.57309	0	1	1
XLOC_036888	0.100515	0.0707684	-0.506234	0.525357	1
Zrsr2	7.43944	7.3053	-0.0262497	0.812724	0.938836
Bmx_j4	0.0523052	0 -1.79769e+308	0.0214495		1
Rab9_j1	2.01831	3.93757	0.964156	0.000706	0.0107986
Tceanc_j1	0.157823	0.0145557	-3.43865	0.020476	0.143235
Frmpd4_j4	0.78405	0.3071	-1.35224	7.70E-07	3.31E-05
Frmpd4_j10	0.19021	0 -1.79769e+308	0.142306		0.468953
Syp_j1	4.66234	3.66981	-0.34535	0.157759	0.49191
Gpkow_j3	1.21509	1.32879	0.129047	0.64459	0.862979
Wdr45	3.09021	3.03486	-0.0260747	0.914302	0.973198
Wdr45_j1	0.189001	0.131427	-0.524131	0.598265	0.840673
Wdr45_j4	3.83146	4.92999	0.363689	0.0896841	0.367369
Praf2	25.5437	26.5011	0.0530839	0.647029	0.863936
Otud5	0.185261	0.334686	0	1	1
Otud5	9.21149	10.0872	0	1	1
Slc35a2	3.47445	4.51941	0.379349	0.0663601	0.307724
Slc35a2_j1	4.355	4.52635	0.0556746	0.796274	0.932066
Tspan7_j2	0	1.13034 1.79769e+308	0.0002807		0.0050648
AK036020_j1	0.18537	0.107465	-0.786541	0.418508	0.735325
Usp9x_j6	2.53477	3.13791	0	1	1
Usp9x_j9	0.184477	0.189745	0	1	1
Ddx3x_j1	0.271642	0.102295	-1.40897	0.134753	0.456922
Gpr34	0.192879	0	0	1	1
Kdm6a_j6	0	0.344297 1.79769e+308	1.06E-06		4.34E-05
Rbm10_j2	1.13913	1.08623	-0.068594	0.83668	0.947734
Uba1_j3	1.44833	1.19308	0	1	1
Cdk16_j2	3.02619	4.18288	0	1	1

Araf_j2	48.4852	52.4645	0	1	1
Dock11_j8	1.7004	1.7988	0	1	1
Dock11_j11	3.83705	5.21828	0	1	1
Zcchc12	0.256903	0.349605	0	1	1
Lonrf3_j1	0.135194	0.17509	0.373066	0.621267	0.851543
Pgrmc1_j1	70.3356	72.2328	0.0383983	0.674918	0.877505
Nkap_j1	0.569951	0.810628	0.508203	0.106736	0.405895
Zbtb33	0.774912	0.918424	0	1	1
Gria3_j2	0.0691064	0.132549	0.939634	0.156567	1
Ocrl_j3	0.77792	0.579286	-0.425345	0.159495	0.493951
Sash3_j3	0	0.0882513	1.79769e+308	0.0426101	1
XLOC_036248	0.0938473	0.130567	0.476409	0.559323	1
Slc25a14_j9	4.88024	5.58238	0	1	1
Arhgap36_j4	0	0.232922	0	1	1
Cxx1c_j1	0	0.0593355	0	1	1
XLOC_036264	0.111911	0.149546	0.418235	0.412852	1
Ddx26b_j11	0.441837	0.465125	0	1	1
C230004F18Rik_j11	1.80253	1.4536	-0.310391	0.0292173	0.182366
XLOC_036277	0.110077	0.0969715	-0.182878	0.845124	1
Slitrk2_j2	0.040159	0.292579	0	1	1
Fmr1_j7	1.40658	1.36775	0	1	1
Aff2_j4	0.823716	1.19482	0.536573	0.0032862	0.0370505
Mtm1_j2	1.1745	1.04617	-0.166926	0.689966	0.885202
Mtmr1_j1	0.738807	0.520871	0	1	1
Mtmr1_j8	0.965762	0.713257	0	1	1
XLOC_036295	0.0741351	0.123841	0.740263	0.503888	1
Xlr3b_j2	0.244606	0.42897	0.810417	1	1
Zfp275_j3	0	0.263748	0	1	1
Atp2b3_j6	0	0.259197	1.79769e+308	0.000157	0.003135
Plxnb3_j3	0.724921	0.413023	0	1	1
Plxnb3_j11	0.319315	0.449947	0	1	1
Plxnb3_j12	0.481002	0.540224	0	1	1
Emd_j1	4.22245	4.80918	0.18771	0.306358	0.651661
Atp6ap1_j2	0.0348964	0.0616428	0	1	1
Atp6ap1_j3	13.9882	16.6996	0	1	1
Gdi1_j5	64.45	68.3863	0	1	1
Plxna3_j1	0.0954791	0.0839452	0	1	1
Plxna3_j8	0.341962	0.613868	0	1	1
Ikbkg_j2	6.0491	5.75948	0	1	1
Brcc3_j4	6.69404	4.69412	-0.512023	0.0001175	0.0024602
Dmd_j2	0	0.0626796	1.79769e+308	0.0708041	1
Dmd_j12	0.617647	0.517962	0	1	1
Tab3_j5	0.988459	0.613921	0	1	1
Tab3_j6	0.630157	1.08957	0	1	1
Klhl15_j1	1.3207	1.04554	-0.337055	0.116262	0.424314
Apoo_j3	0.166331	0.113827	-0.547208	0.725268	0.902457
XLOC_036353	0.00950064	0.0901957	3.24696	0.274293	1

Gm14827_j3	0.0677966	0.0818554	0.271865	0.654587	1
Gm14827_j9	0.0340891	0.143777	2.07645	0.0457769	1
Zc3h12b_j1	0.0381116	0.120757	1.66381	0.375884	1
Msn_j1	75.0174	74.3332	0	1	1
Gdpd2_j6	0.0578478	0.0382429	-0.59707	0.663917	1
Gdpd2_j12	0.665096	0.511896	-0.377712	0.446479	0.753343
Dlg3_j4	0.0777999	0.0325914	0	1	1
Foxo4_j2	1.08436	1.2679	0.225597	0.440639	0.749739
Med12_j1	0.144691	0.221662	0	1	1
Med12_j2	0.640085	0.951766	0	1	1
Med12_j12	0.108614	0.268961	0	1	1
Med12_j13	0.959056	1.15876	0	1	1
Nono_j1	0.0506014	0.0905905	0.840184	0.483976	1
Ogt_j7	3.15493	4.08727	0.373533	0.0125112	0.101222
Ogt_j8	0.111279	1.13645	3.35228	0	0
Ogt_j11	10.8741	11.4308	0.0720296	0.523935	0.799625
Pin4_j3	0.483943	0.553245	0.19308	0.7865	0.928645
2010000I03Rik_j2	0.0301975	0.0626734	1.05343	0.558613	1
2810403D21Rik_j1	0.0650269	0.175598	1.43317	0.361616	0.696104
2810403D21Rik	0.371809	0.328529	-0.178541	0.8348	0.946943
Diap2_j4	0	0.0994406	1.79769e+308	0.0004783	1
Tmem35_j4	17.7531	14.4797	0	1	1
Drp2_j3	0.199459	0.281084	0	1	1
Rpl36a_j3	0.0526238	0.213377	2.01962	0.143533	0.470705
Gprasp1_j1	1.52817	1.26133	-0.276856	0.163861	0.499391
Tbc1d8b_j2	0	0.0544272	1.79769e+308	0.0183752	1
Tbc1d8b_j5	0.936286	0.655911	-0.513448	0.0686999	0.314116
Frmpd3_j4	0.399285	0.920131	0	1	1
XLOC_036451	2.48953	2.29208	0	1	1
Prps1_j1	3.08399	2.46373	-0.323952	0.542385	0.810216
Mid2_j6	0.212316	0.715047	0	1	1
Col4a5_j1	0.0893011	0	-1.79769e+308	0.0040006	1
Nxt2	0.148614	2.66175	0	1	1
Tmem164_j6	0.226607	0.165042	0	1	1
Tmem164_j8	0.152481	0.0649917	0	1	1
Pak3_j3	0.235187	0.440719	0	1	1
Alas2_j5	0	0.122905	1.79769e+308	0.0403636	1
Pfkfb1_j6	0.0735437	0.112062	0.607617	0.605859	1
Wnk3_j2	0.0672016	0.224363	1.73927	0.0004501	0.0074608
Phf8_j6	0	0.0574099	1.79769e+308	0.0210035	1
Huwe1_j6	4.04132	3.21296	0	1	1
Huwe1_j12	17.7627	17.7526	0	1	1
Iqsec2_j2	3.17916	2.85865	0	1	1
Iqsec2_j7	0	0.0561224	0	1	1
Kdm5c_j1	0	0.0959744	0	1	1
AK013876_j1	0.184788	0.134614	-0.457043	0.413186	0.732017
Klf8_j2	0.425379	0.704154	0	1	1

Klf8_j4	0	0.0648944	0	1	1
Klf8_j5	0	0.121864	0	1	1
Spin2_j3	0.0617715	0.420207	2.76609	0.0175192	0.128452
Acot9_j2	2.46168	3.52992	0.519993	0.14886	0.47779
Rps6ka3_j8	11.8162	9.69892	0	1	1
Mtap7d2	14.2371	7.71401	0	1	1
Sh3kbp1_j8	0.783495	1.18647	0	1	1
Sh3kbp1_j10	0.105474	0.0836016	0	1	1
Gpr64_j2	5.80835	4.91086	0	1	1
Gpr64_j5	0.813751	0.489147	0	1	1
Scml2_j4	0.0328839	0.171334	2.38136	0.149011	0.478021
Rbbp7_j4	3.12942	3.2308	0	1	1
Ctps2_j1	1.81152	2.62654	0	1	1
Ctps2_j3	9.20966	10.3032	0	1	1
Ap1s2_j4	0.471646	0.655554	0.475012	0.328636	0.671147
Figf_j5	0.143408	0.0881559	-0.701992	0.622657	0.852399
Fancb_j3	0.149765	0.117749	-0.346985	0.693019	0.886263
Fancb_j4	0	0.0586342	1.79769e+308	0.0803101	1
Mid1	0.228307	0.420335	0.880568	0.0405233	0.225779
Mid1_j6	1.14238	0.493799	-1.21005	0.0004114	0.0069243
Mid1_j7	0	0.140806	1.79769e+308	0.0177392	1
Ccdc22_j4	2.29238	1.94865	-0.234373	0.297857	0.644452
Plp2_j3	0.0479939	0.122599	1.35303	0.270241	1
Plp2_j6	0.206215	0.698459	1.76003	0.0539309	0.270674
Hdac6_j1	3.61522	5.68251	0	1	1
Wdr13_j1	4.78916	5.32616	0	1	1
Wdr13_j2	8.51227	8.26469	0	1	1
Ftsj1_j2	0.828332	0.577093	0	1	1
Rpgr_j4	0.157532	0.163604	0.0545653	0.938818	0.981348
Bcor_j3	0.1084	0.112381	0	1	1
mKIAA1575_j6	0.575028	0.506952	0	1	1
Cask_j4	0.591528	0	0	1	1
Cask_j3	0.404874	0.792363	0	1	1
Efhc2_j2	0	0.0885619	1.79769e+308	0.0434205	1
Efhc2_j1	0.0327232	0.308816	3.23836	0.0067106	0.0637052
4930578C19Rik	0.067794	0.124838	0.880826	0.296361	1
Syn1_j6	4.84231	14.4741	0	1	1
Syn1_j7	10.9257	12.8873	0	1	1
Zfp182_j3	0	0.065871	0	1	1
Klhl13_j5	0	0.103692	0	1	1
Sept6_j7	0	0.384809	1.79769e+308	0.0002401	0.0044596
Rpl39_j4	3.30963	6.56757	0.988691	0.0126861	0.102195
Cul4b_j3	4.50966	4.80942	0	1	1
Thoc2_j5	0.684888	0.985347	0.524762	0.0868905	0.360342
Thoc2_j6	0	0.122537	1.79769e+308	0.0008592	1
Smarca1_j2	0	0.223166	0	1	1
Smarca1_j7	1.17113	1.09244	0	1	1

Apln_j3	0	0.115158	1.79769e+308	0.0129702	1
Zdhhc9_j1	0	0.103999		0 1	1
Aifm1_j1	5.09286	5.24394		0 1	1
Enox2_j8	0.156543	0.344778		0 1	1
6720401G13Rik_j2	0.83032	0.755479		0 1	1
6720401G13Rik_j6	3.70318	3.76535		0 1	1
Frmd7_j4	0.640449	0.346173	-0.88759	0.0189295	0.135769
Hs6st2	1.28852	1.23176	0	1	1
AK021262_j1	0.0703577	0.131685	0.904311	0.474398	1
Fam122b_j1	0.105682	0.269078	1.3483	0.0478127	0.251307
Mospd1_j1	0.496691	0.615459	0	1	1
XLOC_036643	0.306836	0.147984	-1.05203	0.116518	0.424567
Rbmx_j3	3.71885	3.37711	-0.139069	0.520604	0.797932
Fgf13_j6	0	0.351827	0	1	1
Fgf13_j7	132.274	126.902	0	1	1
Fgf13_j1	0	0.406094	1.79769e+308	0.120241	0.431782
Atp11c_j5	0.305492	0.68	1.1544	0.0103272	0.0876239
Atp11c_j7	0	0.114383	1.79769e+308	0.001961	1
Ids_j5	1.0508	0.463471	0	1	1
Gabra3_j2	0	0.259609	0	1	1
Gabra3_j1	0.84456	0.892869	0	1	1
Pnck	1.695	2.81689	0	1	1
Pnck_j2	0.178699	0.229566	0	1	1
Pdzd4_j1	0.196301	0.325068	0.727676	0.167122	0.50341
Pdzd4	2.10348	1.37802	-0.610182	0.007972	0.0723541
Arhgap4	0.268904	0.399229	0.570125	0.156127	0.489534
Naa10_j2	1.24401	0.981424	-0.342045	0.509185	0.790813
Renbp_j1	0.373318	0.357956	-0.0606228	0.893204	0.966313
Hcfc1_j9	4.35906	5.03039	0.206653	0.237669	0.584476
Irak1_j2	0.292194	0.154704	0	1	1
Mecp2_j2	1.94992	2.32915	0	1	1
Flna_j8	0.031986	0.101726	1.66918	0.0255055	1
Flna_j16	3.58377	4.50986	0.331604	0.0042662	0.0449979
Flna_j14	0.326698	0.111055	-1.55669	0.0005031	0.008185
Flna_j15	1.83872	2.11564	0.202391	0.173139	0.510747
Ubl4	8.47922	6.54878	0	1	1
G6pdx_j1	16.0545	21.0175	0.388614	0.0002283	0.0042812
F8_j8	0	0.0509927	1.79769e+308	0.0153967	1
Prrg1_j4	0.260698	0.215062	-0.277625	0.612177	0.847323
Prrg1_j5	0.335129	0.357947	0.0950289	0.828185	0.944579
Prrg1_j6	0	0.0542135	1.79769e+308	0.0500126	1
Pola1_j1	0	0.0695713	1.79769e+308	0.0109039	1
Zfx_j2	0	0.0605401	0	1	1
Arhgef9_j4	0.348252	1.09146	0	1	1
Las1_j2	1.71342	2.79969	0.708389	0.0086825	0.0771353
Zmym3_j1	9.18789	13.0998	0	1	1
Zmym3_j3	1.40468	4.20242	0	1	1

Rps4x_j4	16.9186	18.0882	0.0964434	0.701424	0.890328
Cited1	0.522454	0.687982	0.397067	0.50073	0.785042
Phka1_j4	0.034758	0.213859	0	1	1
XLOC_036762	0	0.0565098	1.79769e+308	0.114209	1
B230206F22Rik_j5	0.272647	0.505999	0.892102	0.0246509	0.16278
Slc16a2_j1	2.21976	2.31145	0	1	1
Zdhhc15_j1	0.235576	0.347705	0	1	1
5330434G04Rik_j1	0.487394	0.524845	0	1	1
Atrx_j9	0.622747	0.681539	0	1	1
Atrx_j8	0.290767	0.429571	0	1	1
Taf9b_j1	0	0.31878	0	1	1
2610002M06Rik_j1	0.287058	0.166528	-0.785576	0.517444	0.795737
Brwd3_j5	0	0.0601333	1.79769e+308	0.0026928	1
Hdx	0.453888	0.568464	0.324732	0.144109	0.471077
Chm_j5	2.23283	1.58726	0	1	1
Xkrx	0.0258791	0.176861	2.77276	0.0935135	0.376659
Btk	0.0882193	0.251141	1.50933	0.027245	0.174397
Armcx6_j4	1.25399	0.970333	0	1	1
Armcx2_j1	14.678	16.7545	0	1	1
Tceal6_j2	3.07163	3.06308	-0.00402066	0.98775	0.996374
Bex2_j2	35.8813	47.7071	0	1	1
Tceal5_j1	0.146854	0.558819	0	1	1
Tceal5_j2	4.0696	2.50325	0	1	1
Rab9b_j2	5.48557	4.68727	0	1	1
Tmsb15l_j3	1.1219	0.958761	-0.226706	0.562616	0.822283
Mcart6_j1	0.0268294	0.0503554	0	1	1
Ripply1_j2	0	0.078339	1.79769e+308	0.120384	1
Morc4_j3	0	0.130017	1.79769e+308	0.0030566	1
Ammecr1_j3	0.110449	0.315052	0	1	1
Chrdl1_j3	0	0.0854164	1.79769e+308	0.0731158	1
Dcx	0.0258989	0.16477	2.66949	0.0001245	0.002576
Lrch2_j3	0.111856	0.181452	0	1	1
Tro_j3	3.04777	4.2674	0	1	1
Maged2_j2	1.3647	1.14372	0	1	1
Tsr2	1.70009	2.20755	0	1	1
Tsr2	1.49996	1.92374	0	1	1
Tspsy12_j1	9.44736	10.5343	0	1	1
Gpr173_j2	0.657183	0.444829	-0.563044	0.0819828	0.348903
Mbtps2_j4	0.696976	0.92895	0	1	1
Pdha1_j1	62.7924	62.1118	0	1	1
Ppef1_j6	1.43671	2.72425	0	1	1
Cdkl5_j4	0.0884792	0.191245	1.11201	0.0743541	0.328754
Nhs_j1	0.0587715	0.124409	1.0819	0.043497	1
Txlng_j2	2.55826	2.71195	0.0841659	0.594612	0.838568
Siah1b_j1	1.48175	1.38353	-0.0989492	0.703578	0.891492
Bmx_j5	0.0473597	0.049993	0.0780661	0.962854	1
Frmpd4_j1	3.23348	1.21821	-1.40832	7.44E-14	1.26E-11

Msl3_j6	2.48718	2.29743	-0.11449	0.596108	0.839228
Msl3_j4	0.0746683	0.140657	0.913612	0.148315	1
Msl3_j8	1.76113	1.73694	-0.0199575	0.951343	0.985905
Syp_j2	4.01395	1.05016	-1.93442	1.75E-05	0.0004969
Wdr45	13.5296	13.3486	-0.0194268	0.880442	0.961931
Prpf2_j4	81.4772	89.6751	0.138311	0.151243	0.482292
Xk_j2	1.6595	1.63283	0	1	1
AK036020_j6	0	0.0848649	1.79769e+308	0.0809883	1
Usp9x_j4	0.214731	0.547711	0	1	1
Usp9x_j12	4.84525	3.8189	-0.343416	0.0182366	0.132181
Gpr34	0.0393633	0.497799	0	1	1
Uba1	13.5547	10.7812	0	1	1
Uba1_j6	48.7877	44.0366	0	1	1
Cdk16_j7	7.24335	6.49796	0	1	1
Cdk16_j9	22.5565	31.2475	0	1	1
Dock11_j6	0.500756	0.538193	0	1	1
Dock11_j12	0.455126	0.913701	0	1	1
Lonrf3_j2	0	0.0577604	1.79769e+308	0.133823	1
Slc25a43_j3	0	0.124026	1.79769e+308	0.105785	1
2610018G03Rik_j1	0.798985	0.797011	-0.00356996	0.992774	0.997911
XLOC_036258	0.190352	0.233533	0	1	1
Cxx1c_j2	35.976	33.7639	0	1	1
Zfp449_j1	3.41E-05	0.746206	14.4175	0.940174	0.981805
Ddx26b_j7	0	0.197862	0	1	1
F9_j3	0	0.165586	1.79769e+308	0.0038473	0.0416986
C230004F18Rik_j6	0.257207	0.189865	-0.437956	0.181732	0.521931
C230004F18Rik_j8	0.593698	0.42043	-0.497862	0.0141186	0.110166
Fmr1_j1	0	0.23044	0	1	1
Mttr1	0.202538	0.163749	0	1	1
Hmgb3_j5	0.618501	5.05876	3.03194	0	0
XLOC_036295	2.54E-06	0.102645	15.3009	0.998928	1
Prrg3	0.270411	0.517849	0	1	1
Xlr3b_j1	0	0.152012	1.79769e+308	0.0213227	1
Atp2b3_j1	0.248246	0.115179	-1.10789	0.0766577	0.334708
Abcd1_j1	0.00041873	0.0814469	7.6037	0.735211	1
Plxb3_j5	0.48842	0.431343	0	1	1
Plxb3_j6	0.521635	0.638681	0	1	1
Plxb3_j10	0.99817	0.982488	0	1	1
Taz_j2	1.05533	1.02228	0	1	1
XLOC_036317	0.411319	0.386068	0	1	1
Atp6ap1_j4	1.18092	1.70458	0	1	1
Gdi1_j3	0.504805	1.00461	0	1	1
Plxna3_j5	0.787427	0.961694	0	1	1
Xlr3e-ps_j2	0.0453829	0.138152	1.60604	0.221972	1
Xlr4e-ps_j1	0.0904915	0.0346123	-1.3865	0.404585	1
Dkc1_j3	2.92429	3.59204	0.296718	0.20819	0.552263
Fundc2_j2	15.3845	14.6534	-0.0702438	0.628744	0.855636

Dmd_j14	0	0.0629325	0	1	1
XLOC_036353	0.0685615	0.148148	1.11157	0.095792	1
AK050859_j4	4.15021	4.58496	0	1	1
AK050859_j5	0.13091	0.160781	0	1	1
Gdpd2_j5	0	0.240107	1.79769e+308	0.0009655	0.0139071
Gdpd2_j10	0.0590769	0.119982	1.02215	0.295654	1
Dlg3_j3	0	0.168029	0	1	1
Dlg3_j6	0	0.219741	0	1	1
Nono_j3	15.1354	13.9641	-0.116207	0.407231	0.727764
Taf1_j5	7.68936	8.93394	0	1	1
Ogt_j5	0	0.0955421	1.79769e+308	0.0053098	1
2010000I03Rik_j1	0.225926	0.346686	0.617776	0.526647	0.801167
2010000I03Rik_j1	0.0303146	0.07871	1.37654	0.390336	1
XLOC_036390	0.241521	0.201382	0	1	1
Cox7b_j1	0	0.0905691	1.79769e+308	0.230141	1
Tlr13	0.0584322	0.130103	1.15482	0.316732	1
2810403D21Rik_j5	0.0615188	0.166407	1.43562	0.547059	0.813394
Sh3bgrl_j2	0	0.0958059	0	1	1
Zfp711_j6	0.346142	0.407923	0.236935	0.574675	0.828142
Dach2_j1	0.0678433	0.188145	1.47157	0.115849	0.423558
XLOC_036420	0.116578	0.106953	-0.124319	0.86447	1
Diap2_j2	0.101727	0.188325	0.888518	0.0467863	0.248134
Cstf2	1.28282	1.04803	0	1	1
Cenpi	0.124966	0.185598	0.570651	0.327271	0.670236
Drp2_j4	0	0.105193	0	1	1
Armcx1_j3	2.58028	3.21805	0	1	1
Armcx3_j3	0.132728	0.211893	0	1	1
XLOC_036434	0.309016	0.400351	0.373584	0.17392	0.512009
Gprasp1_j5	1.44679	1.28324	-0.17306	0.403332	0.726254
BC065397_j3	0.0447548	0.117871	0	1	1
BC065397_j2	0.0166972	0.0633632	0	1	1
Plp1_j2	27.4132	25.71	0	1	1
Zcchc18	0.217693	0.184173	0	1	1
Fam199x_j2	1.06684	0.769552	0	1	1
Tbc1d8b_j3	0	0.208977	1.79769e+308	0.0001169	0.00245
Col4a5_j7	0.16314	0.191199	0.228969	0.668984	0.874746
Nxt2_j2	0.290381	0.909632	0	1	1
Tmem164_j7	3.25296	3.08311	0	1	1
Alg13_j6	0.16059	0.51493	1.681	0.0058476	0.0573419
Pfkfb1_j2	0	0.102347	1.79769e+308	0.0527817	1
Pfkfb1_j3	0.0241573	0.0980844	2.02156	0.183847	1
Phf8_j3	0.0968507	0.000861084	-6.81346	0.319182	1
Huwe1_j14	1.71712	2.21422	0	1	1
lqsec2	2.73197	3.04976	0	1	1
Rragb_j2	8.33088	6.7601	0	1	1
Rragb_j4	7.53826	6.87976	0	1	1
Klf8_j3	0	0.21447	0	1	1

Spin2_j4	0.0855059	0.287123	1.74757	0.139066	0.463653
XLOC_036497	0.810986	0.611593	-0.407105	0.559286	0.820587
Rps6ka3_j2	0.117953	0.354956	0	1	1
Rps6ka3_j6	0	0.37239	0	1	1
Rps6ka3_j7	1.77362	1.46455	0	1	1
Sh3kbp1_j6	0.0261261	0.0767802	0	1	1
Phka2	0.953181	0.956072	0	1	1
Rbbp7_j3	16.1082	16.6965	0	1	1
Rbbp7_j5	0.0119387	0.0839909	0	1	1
Figf_j6	0.186807	0.469464	1.32947	0.0592132	0.285966
Gpm6b	1.76754	1.27386	0	1	1
Mid1_j5	0.313304	0.473254	0.595054	0.212805	0.557725
Clcn5_j2	0.0505706	0.103599	0	1	1
Ccdc22_j6	0.128874	0.584623	2.18154	0.0024171	0.0290751
Magix_j2	0.0489257	0.180472	1.88311	0.0278059	0.176748
Hdac6_j2	0.299422	0.533868	0	1	1
Was_j1	0.0771852	0.205431	1.41226	0.227643	0.574755
Porcn_j1	4.6152	5.24067	0.183357	0.420339	0.736671
Cybb_j1	0.158547	0.427704	0	1	1
Gm10489	2.60294	2.39084	0	1	1
XLOC_036575	0.0732551	0.102531	0.48506	0.644961	1
mKIAA1575_j3	0.246881	0.290861	0	1	1
Cask_j9	1.45521	2.25887	0	1	1
Ndp_j1	2.34675	2.70193	0	1	1
Ndufb11_j1	21.6728	21.0945	-0.0390181	0.73793	0.907745
Akap17b_j1	0.280861	0.896804	0	1	1
Akap17b_j2	0.25113	0.278789	0	1	1
C330007P06Rik_j1	1.60036	1.49965	-0.09377	0.801522	0.933853
Sept6_j2	0	0.14335	1.79769e+308	0.0184955	1
Sept6_j3	3.18745	2.83433	-0.169397	0.386297	0.714542
Rpl39_j3	1.90886	2.31033	0.275386	0.175999	0.514591
Cul4b_j2	0.445138	0.160027	0	1	1
Odz1_j3	0.0595166	0.0620714	0	1	1
Smarca1_j4	0.370277	0.143902	0	1	1
Zdhhc9_j3	1.68623	3.23776	0	1	1
Zfp280c_j9	0.83151	0.962286	0.210732	0.434966	0.745916
Zfp280c_j8	0	0.154488	1.79769e+308	0.0028087	1
Enox2_j7	0	0.0567504	0	1	1
Enox2_j6	0.380662	0.252362	0	1	1
6720401G13Rik_j3	1.66232	1.74526	0	1	1
6720401G13Rik_j8	11.4716	11.2918	0	1	1
Hs6st2_j4	2.12776	3.59895	0	1	1
Fam122b_j6	0.365701	0.289371	-0.337742	0.524986	0.800458
AK082553_j2	0.227745	0.224534	-0.0204911	0.979523	0.994006
Mtap7d3_j2	0.0194806	0.0637107	1.7095	0.447387	1
Rbmx_j2	0.0907994	0.12652	0.478612	0.478537	1
Fgf13_j4	0	0.308334	0	1	1

Mcf2_j6	0.341282	0.421198	0.303534	0.714946	0.896793
Mcf2_j7	0.0628777	0.0583791	-0.107096	0.914107	1
Atp11c_j4	0.149083	0.166602	0.16029	0.843227	0.950389
Slitrk4	8.58E-05	0.377961	0	1	1
Ids	36.8962	31.9501	0	1	1
Cd99l2_j3	6.53526	7.05902	0	1	1
Xlr3a_j1	0.332658	0.156638	-1.0866	0.463993	0.764451
Xlr4c_j1	0.000738596	0.106492	7.17175	0.857856	1
Pnck_j1	0.180405	0.204218	0	1	1
XLOC_036679	0.0334602	0.0475082	0.505729	0.727139	1
L1cam_j4	42.9832	60.256	0	1	1
Arhgap4_j2	0.163066	0.305254	0.904557	0.130865	0.450443
Arhgap4	0.0652685	0.0688318	0.0766885	0.936871	1
Arhgap4_j1	0.112771	0.417988	1.89007	0.0001955	0.0037692
Naa10_j5	0	0.87073	1.79769e+308	0.0014238	0.0189456
Renbp_j2	0.524122	0.387101	-0.437194	0.509348	0.790813
Renbp_j3	0	0.471423	1.79769e+308	0.0010765	0.015147
Hcfc1_j6	5.4288	5.10236	-0.0894693	0.467777	0.766747
Hcfc1_j7	2.09816	1.98899	-0.0770894	0.621691	0.851876
Irak1_j3	2.28521	3.02988	0	1	1
Irak1_j4	2.14338	2.29405	0	1	1
Mecp2_j1	2.631	3.69076	0	1	1
Flna_j7	1.94376	3.16802	0.704732	0.0002013	0.0038565
Flna_j12	0.0957131	0.344367	1.84716	2.41E-06	8.95E-05
Dnase1l1	2.69413	3.27689	0	1	1
Dnase1l1_j1	4.05587	4.5784	0	1	1
Gab3_j3	0.0692686	0.143956	1.05536	0.268554	1
Mpp1_j1	19.849	23.1615	0	1	1
Pls3	7.37045	8.51622	0	1	1
Pdk3_j2	11.6462	9.25134	0	1	1
Arhgef9	0.393542	0.410905	0	1	1
Arhgef9_j8	0.21736	1.06144	0	1	1
Fam123b_j2	3.11366	3.51741	0	1	1
Fam123b_j1	0.999007	1.69266	0	1	1
XLOC_036739	0.158186	0.172241	0.122805	0.831037	0.945521
Slc7a3_j1	0	0.18654	1.79769e+308	0.0108429	0.0907994
Il2rg_j5	0.226808	0.230981	0.0263005	0.980325	0.994006
Zmym3_j11	0.141579	0.0846328	0	1	1
Zmym3_j13	0.498023	3.71135	0	1	1
Cxcr3	0.0582646	0.157479	1.43447	0.133393	1
Rps4x_j1	4.37678	4.23865	-0.0462643	0.825728	0.943781
B230206F22Rik_j3	1.08838	0.99773	-0.125464	0.779817	0.925661
Zdhhc15_j3	1.9706	2.76852	0	1	1
5530601H04Rik_j1	0.00458134	0.265609	5.85739	0.194507	0.53676
5330434G04Rik_j3	1.39549	1.80652	0	1	1
Atrx_j1	0.606613	0.554696	0	1	1
Atrx_j10	0.37082	0.318691	0	1	1

Cysltr1_j1	0.0467878	0.092528	0.983757	0.442408	1
Chm_j3	0.21383	0.132704	0	1	1
Gm14957_j1	0.910657	0.574283	-0.665146	0.297048	0.64365
Trmt2b_j3	0.997594	1.05658	0.0828824	0.795819	0.931999
Zmat1_j3	1.24914	1.66061	0	1	1
Tmsb15l_j2	0	0.195708	1.79769e+308	0.0271128	0.173908
Mcart6_j3	0.0508619	0.0961006	0	1	1
Mcart6	0.766636	0.376487	0	1	1
Ripply1_j1	0	0.0598384	1.79769e+308	0.168651	1
Capn6_j4	0.0320052	0.198726	2.63441	1	1
Lhfp1l_j2	2.48461	2.0906	0	1	1
Apex2_j1	0.000981002	0.830687	9.72583	0.769021	0.921341
Tro_j2	2.83734	4.44273	0	1	1
Maged2_j3	2.82525	1.95394	0	1	1
Gnl3l_j1	5.2389	10.4398	0	1	1
Tspyl2_j3	0.382766	0.973564	0	1	1
Gpr173_j6	1.04711	2.04346	0.9646	2.15E-05	0.000589
Mageh1	9.16323	8.60816	-0.0901511	0.521059	0.798005
Prdx4_j2	0.354749	0.303699	-0.224158	0.80263	0.934384
Ppef1_j8	1.19169	4.58531	0	1	1
Reps2_j3	0	0.418393	0	1	1
Reps2_j4	0.489118	0.834397	0	1	1
Tceanc_j3	0	0.0924719	1.79769e+308	0.0078881	1
Frmpr4_j6	0.742303	0.466319	-0.670691	0.013211	0.105241
Frmpr4_j7	0	0.0795654	1.79769e+308	0.0023264	1
Frmpr4_j8	0.0607624	0.0704704	0.21384	0.746645	1
Msl3_j3	0	0.131835	1.79769e+308	0.00163	1
Syp_j3	0.0174935	0.624497	5.1578	0.0017093	0.0220499
Praf2_j1	0.150891	0.381485	1.33812	0.125443	0.441203
Otud5_j1	1.77528	2.53488	0	1	1
Otud5_j2	1.71997	1.24896	0	1	1
Gm6787_j1	0.906434	0.967131	0.093509	0.832556	0.945929
Tspan7_j1	0.636495	1.47991	1.21728	0.041646	0.230244
AK036020_j5	0.023073	0.120427	2.38388	0.238864	1
AK036020_j10	0.0273235	0.0999266	1.87073	0.366662	1
AK036020_j11	0.102243	0.116354	0.18652	0.854228	1
Kdm6a_j4	0.120474	0.295989	1.29683	0.0082879	0.0745957
Kdm6a_j10	3.01276	3.14148	0.0603583	0.806643	0.936053
XLOC_036208	0.0976855	0.118523	0.27895	0.652493	1
Uba1_j5	0.58264	0.236418	0	1	1
Cdk16_j1	54.9255	62.498	0	1	1
Cdk16_j6	2.62187	2.71098	0	1	1
Cdk16_j8	1.90497	2.33204	0	1	1
Dock11_j1	0.234244	0.661147	0	1	1
Dock11_j10	7.68268	6.95134	0	1	1
XLOC_036226	0.12135	0.133465	0.137294	0.819158	1
Slc25a5_j3	115.798	97.3452	-0.250425	0.0113958	0.0944401

Gm14549	0.196909	0.271273	0.462219	0.509222	0.790813
Ube2a	0.181536	2.26845	3.64339	0	0
Gria3_j11	0.213084	0.133452	-0.675106	0.215104	0.560764
Stag2_j4	0.00303639	0.716491	0	1	1
Stag2_j5	0.0279842	0.750357	0	1	1
Stag2_j7	3.2088	2.67322	0	1	1
Ocrl_j2	0.082673	0.115877	0.487109	0.489478	1
Bcorl1_j1	0.287527	0.713257	1.31072	0.0039517	0.0425339
Slc25a14_j6	0.750166	0.781341	0	1	1
Slc25a14_j10	0	0.229913	0	1	1
Phf6_j1	1.36493	1.36965	0	1	1
4930502E18Rik_j1	0.850723	0.519663	-0.711112	0.130544	0.449911
Slc9a6_j3	13.0188	13.6943	0	1	1
Fhl1_j3	3.78554	4.52633	0	1	1
Fmr1	0.265461	0.50256	0	1	1
Aff2_j5	0.114518	0.13008	0.183829	0.708755	1
Mamld1_j4	4.99579	4.7393	-0.0760392	0.634792	0.858242
Mtm1_j3	3.32069	3.92266	0.240349	0.223338	0.57036
Mtmr1_j6	0.049074	0.238764	0	1	1
Mtmr1_j7	0.0590793	0.0867828	0	1	1
Prrg3_j2	0	0.804042	0	1	1
Nsdhl_j1	11.8694	12.363	0	1	1
Xlr3b	0.41242	0.344135	-0.26114	0.643717	0.862626
Atp2b3_j10	7.9018	5.4346	-0.540007	5.63E-05	0.0013192
Plxnb3_j2	0.0680539	0.0523992	0	1	1
Plxnb3_j9	0.224198	0.328381	0	1	1
Ssr4	1.05375	1.00801	-0.0640207	0.654079	0.867648
Taz_j3	8.7617	9.12147	0	1	1
Gdi1_j1	2.05359	2.23623	0	1	1
Plxna3_j3	0.212245	0.236254	0	1	1
Ikbkg_j1	0.769315	0.754861	0	1	1
Dkc1_j1	3.32269	3.19202	-0.0578824	0.692799	0.8862
Dmd_j5	0	0.0544906	1.79769e+308	0.24608	1
Dmd_j7	0.167965	0.207714	0.306438	0.661003	0.871471
Tab3_j4	0	0.128706	0	1	1
Apoo_j1	0.386666	0.848059	1.13308	0.0817988	0.348473
XLOC_036353	0.120214	0.090459	-0.410274	0.736836	1
Gm14827_j7	0.352186	0.548862	0.640105	0.0653038	0.304504
AK050859_j3	1.65497	1.40768	0	1	1
AK050859_j2	0	0.151601	0	1	1
Zc3h12b_j2	0.111409	0.153035	0.457992	0.661777	1
F630028O10Rik_j1	0	0.36133	1.79769e+308	0.0093374	0.0814831
Stard8_j4	0.202069	0.136872	0	1	1
Stard8_j5	0.00030599	0.260297	0	1	1
Gdpd2_j11	0.0483914	0.262241	2.43807	0.0138324	0.108559
Foxo4_j1	0	0.0485627	1.79769e+308	0.0784657	1
Taf1_j4	2.3132	3.44942	0	1	1

Pin4_j4	0	0.0526326	1.79769e+308	0.170793	1
Uprt_j2	0.000252172	0.260815	10.0144	0.414316	0.73282
Uprt_j1	1.0838	0.273159	-1.98829	2.98E-09	2.29E-07
Cox7b	26.0083	28.0564	0.109359	0.512579	0.792284
Atp7a_j1	0.774999	0.804954	0.0547117	0.795786	0.931999
2810403D21Rik_j2	0.149939	0.223353	0.574954	0.668384	0.874447
2810403D21Rik_j3	0.0245378	0.0841425	1.77783	0.359485	1
Tmem35_j3	2.66342	1.42069	0	1	1
Armcx1_j4	2.13634	2.5569	0	1	1
Gprasp1_j6	0.265511	0.299892	0.175672	0.672071	0.87616
Bhlhb9	11.8195	8.38367	0	1	1
Bex4	0.328039	0.58997	0	1	1
BC065397_j7	16.0175	16.4373	0	1	1
Plp1_j4	64.5084	68.4867	0	1	1
Frmpd3_j10	0.187606	0.155591	0	1	1
Mid2_j3	0.272217	0.42616	0	1	1
Col4a5_j9	0	0.249878	1.79769e+308	7.48E-05	0.0016769
Tmem164_j4	0.138832	0.0817099	0	1	1
Pak3_j8	7.64E-05	0.45583	0	1	1
Phf8_j4	0	0.445827	1.79769e+308	6.63E-08	3.79E-06
Iqsec2_j1	13.0246	11.932	0	1	1
Klf8_j1	5.67E-05	0.178845	0	1	1
Klf8_j6	0.573561	0.5275	0	1	1
Smpx_j4	1.68299	1.0562	-0.672138	0.290031	0.637393
Mtap7d2_j6	2.42747	2.55633	0	1	1
Mtap7d2_j11	0.0902542	0.169681	0	1	1
Sh3kbp1_j5	0	0.0585519	0	1	1
Sh3kbp1_j9	0	0.125081	0	1	1
Map3k15_j2	20.7604	23.1933	0	1	1
Gpr64_j3	2.13104	0.334249	0	1	1
Ctps2_j2	8.60006	7.56716	0	1	1
Ap1s2_j3	0.362359	0.595905	0.717664	0.136577	0.459623
Ap1s2_j2	1.14831	1.24839	0.120557	0.690141	0.885206
XLOC_036520	0.748414	0.298834	-1.32449	0.0004559	0.0075409
Ace2_j1	0	0.0591334	1.79769e+308	0.0503604	1
Figf_j3	0	0.0586898	1.79769e+308	0.128356	1
Gemin8_j3	0	0.048293	1.79769e+308	0.259794	1
Magix_j4	0	0.0666665	1.79769e+308	0.107024	1
Hdac6_j3	0.0266104	0.0637853	0	1	1
BC058988	0	0.0914024	1.79769e+308	0.0996967	1
Cybb_j2	3.50E-05	0.248577	0	1	1
Rpgr_j5	0.254652	0.402444	0.66026	0.187457	0.528387
Bcor	0.00494055	0.288809	0	1	1
Cask_j10	1.12119	1.56385	0	1	1
Efhc2_j5	0.0308919	0.116446	1.91437	0.127934	1
4930578C19Rik_j2	0.00010345	0.0902198	9.76836	0.917446	1
Ndufb11_j4	0	0.346035	1.79769e+308	0.0131723	0.105001

Ndufb11_j3	5.55186	6.33029	0.1893	0.338525	0.678819
Syn1_j4	0.101902	0.279067	0	1	1
Zfp182_j5	0.185797	0.983332	0	1	1
Klhl13_j3	1.11922	0.620295	0	1	1
Rpl39_j5	21.3726	23.978	0.165951	0.390027	0.717083
Thoc2_j2	0.0879123	0.0634782	-0.469804	0.501163	1
Zdhhc9_j2	3.45071	5.64018	0	1	1
Elf4_j3	0	0.0832334	1.79769e+308	0.0885432	1
Zfp280c_j1	0.0941827	0.311935	1.72771	0.0112064	0.0933146
Gpr119_j2	0.345309	0.682322	0.982564	0.0277138	0.176347
Enox2_j2	0.37809	0.971188	0	1	1
6720401G13Rik_j4	0.0760114	0.0671947	0	1	1
6720401G13Rik_j5	0.819862	0.622402	0	1	1
Fam122b_j5	0.721429	0.511178	-0.497031	0.2504	0.598108
XLOC_036639	0.450108	0.44706	-0.0098041	0.980845	0.994152
Mospd1_j3	3.725	4.16286	0	1	1
Mospd1	4.44365	5.3739	0	1	1
AK082553_j1	0.0435448	0.145352	1.73898	0.253421	1
XLOC_036643	0.330134	0.199248	-0.728486	0.375891	0.708088
XLOC_036643	0.0331589	0.0811749	1.29164	0.492737	1
Mtap7d3_j3	0.0278265	0.075834	1.44638	0.438339	1
Fgf13_j3	19.5523	31.3802	0	1	1
Mcf2_j3	0.0360996	0.0776549	1.10509	0.305913	1
Atp11c_j8	2.22065	2.21247	-0.00532372	0.982137	0.994587
Atp11c_j9	0.689667	1.48864	1.11002	3.12E-07	1.47E-05
Atp11c	0.839649	0.908722	0.114052	0.634785	0.858242
XLOC_036664	0.0232764	0.0977286	2.06991	0.133979	1
Cd99l2_j6	1.17136	2.63858	0	1	1
Gabra3_j3	0.628322	1.17271	0	1	1
Xlr4c_j3	0	0.318114	1.79769e+308	0.0236712	0.15814
Idh3g_j3	1.84521	1.76059	-0.0677213	0.609859	0.846292
L1cam_j3	0	11.735	0	1	1
L1cam_j2	30.6116	26.3094	0	1	1
Flna_j5	4.68385	6.42842	0.456769	8.20E-05	0.0018131
Flna_j6	0.0650152	0	-1.79769e+308	6.66E-05	1
Ubl4	0.46615	1.58297	0	1	1
Gab3_j1	0.0327239	0.120806	1.88427	0.0947469	1
Gab3_j7	0.000923335	0.122874	7.0561	0.772336	1
F8_j4	0.483101	0.381888	-0.339177	0.304993	0.65013
XLOC_036719	135.002	204.203	0.597028	1.50E-06	5.89E-05
Zfx_j4	0	0.0621576	0	1	1
Arhgef9_j9	0	0.204031	0	1	1
Las1l_j1	0.965993	1.3019	0.430531	0.244527	0.592073
XLOC_036739	0.272418	0.422672	0.633714	0.192748	0.535059
Ophn1_j2	1.4996	1.54019	0	1	1
Zmym3_j2	2.77987	3.48445	0	1	1
Phka1_j3	2.60777	2.35793	0	1	1

Dmrtc1a_j3	0.64122	0.77762	0.278245	0.534069	0.805392
B230206F22Rik_j1	0.333906	0.0717586	-2.21822	0.0073325	0.0682184
B230206F22Rik_j2	0.0929034	0.129773	0.482192	0.543719	1
B230206F22Rik_j3	0.117861	0.0984894	-0.259046	0.699788	1
5530601H04Rik_j3	1.06402	1.21888	0.196026	0.539334	0.808383
XLOC_036776	0.132937	0.0687306	0	1	1
Atrx_j5	0.412541	0.516333	0	1	1
Brwd3_j6	0.0253011	0.240128	3.24653	0.245119	0.592511
Chm_j2	2.21962	2.46405	0	1	1
Trmt2b_j2	0.439107	0.225559	-0.961066	0.0825378	0.350073
Zmat1_j4	0	0.180909	0	1	1
Tceal6_j1	0.314353	0.167394	-0.909137	0.295358	0.641977
Morf4l2_j2	77.2896	77.3732	0	1	1
Rab9b_j1	1.639	2.22278	0	1	1
Tmsb15l_j4	2.27556	1.91041	-0.252336	0.372135	0.705073
Morc4_j2	0	0.0867728	1.79769e+308	0.0121905	1
Morc4_j1	0.104864	0.139418	0.410901	0.528539	1
Rbm41_j2	0	0.0721284	1.79769e+308	0.010865	1
Chrdl1_j1	8.70E-05	0.0913476	10.0365	0.91126	1
XLOC_036841	0.105066	0.168921	0.685045	0.518964	0.796737
Lhfp1_j4	8.27597	4.98926	0	1	1
Lrch2_j5	0.577523	0.486239	0	1	1
Maged2_j1	5.97047	8.4846	0	1	1
Gpr173_j4	3.54294	3.46702	-0.0312519	0.831959	0.945814
Gpr173_j5	1.21874	0.512438	-1.24994	0.0006429	0.0100148
Sms_j2	0.085493	0.106343	0.314852	0.848252	1
Ppef1_j3	1.31197	2.48728	0	1	1
Reps2_j2	0.465787	0.534736	0	1	1
Car5b_j2	0.0367705	0.321707	3.12913	0.0035282	0.0391803
Ofd1_j1	0.714984	0.998549	0	1	1
Frmpd4_j2	1.38193	0.573753	-1.26818	7.13E-09	5.11E-07
Hccs_j1	6.87457	5.81655	-0.241105	0.103766	0.399525
Ube1y1_j1	0.0810957	0	-1.79769e+308	0.0079321	1
Smcy_j1	0.134296	0.0341616	-1.97497	0.0102686	1
Kdm5d	0.174674	0.144351	-0.275087	0.509618	0.790813
Smcy_j6	0.271888	0.32291	0.24812	0.428898	0.742566
Eif2s3y_j3	4.59962	4.38155	0	1	1
Eif2s3y	5.56011	4.82921	0	1	1
Eif2s3y_j4	2.62988	2.40078	0	1	1
Rbmy1a1_j2	0.290436	0.719106	1.30798	0.018708	0.134696
Rbmy1a1_j4	0.202643	0.45327	1.16143	0.163718	0.499207
Rbmy1a1_j5	0.267363	0.59693	1.15876	0.0004026	0.0068103
Uty_j12	0.127346	0.103639	0	1	1
Ddx3x_j3	0.173251	0	0	1	1
Ddx3y	6.93829	4.11665	0	1	1
Eif2s3y_j1	2.69111	3.06003	0	1	1
Eif2s3y_j2	2.21871	2.28001	0	1	1

XLOC_037363	0.233835	0	0	1	1
Uty_j1	0.927791	0.893479	0	1	1
Ddx3x_j1	3.31134	3.34144	0	1	1
Smcy_j2	0.0615491	0 -1.79769e+308	0.0003043		1
XLOC_037361	0.733937	0.46531	0	1	1
Uty_j11	1.31253	1.05073	0	1	1
Smcy_j3	0	0.0580533 1.79769e+308	0.0087435		1
Smcy_j4	0.460685	0.476037	0.0472946	0.877575	0.96086
Rbmy1a1_j1	0.0897025	0.384899	2.10126	4.65E-05	0.0011235
Uty_j3	0.143957	0.101389	0	1	1
Uty_j2	0.54695	0.561065	0	1	1
Ddx3x_j5	0.0651228	0.0704416	0	1	1
Smcy_j7	0.518368	0.650117	0.326724	0.263081	0.611936
Uty_j6	0	0.0525469	0	1	1
Uty_j9	0	0.0561917	0	1	1
Uty	0.373398	0.110938	0	1	1
Ddx3x_j2	0	0.256431	0	1	1
Ube1y1_j2	0.0209194	0.0903409	2.11054	0.317444	1
Smcy_j5	0.852154	0.747694	-0.188666	0.433303	0.744724
Eif2s3y_j5	0.0111227	0.632537	0	1	1
XLOC_037363	0.520952	0.594358	0	1	1
Uty_j7	0.0546394	0.0717986	0	1	1
Uty_j10	1.17834	1.00312	0	1	1
Ddx3x_j4	0.273773	0.257215	0	1	1