

Gene Name	P-Values	Log2 transformed								change in mutants	
		fold-change	Average progenitor	Progenitor -1	Progenitor -2	Progenitor -3	Average beta	Beta-1	Beta-2		Beta-3
Olfr113	0.046	8.456	-0.718	-0.082	-0.886	-1.188	-9.174	#####	-5.864	-6.640	Down
Mrc1	0.019	7.697	3.880	4.834	4.862	1.943	-3.818	-0.643	-4.054	-6.756	
Bcl2a1a	0.000	7.003	0.363	1.099	0.780	-0.790	-6.640	-6.640	-6.640	-6.640	
Lyz2	0.007	6.900	3.486	4.393	4.476	1.589	-3.414	-2.747	-5.350	-2.145	
Olfr719-ps	0.000	6.885	0.245	0.491	0.272	-0.030	-6.640	-6.640	-6.640	-6.640	
Cybb	0.034	6.865	2.427	3.124	3.001	1.156	-4.438	-0.277	-6.460	-6.577	
Gm26275	0.000	6.698	0.058	-0.028	0.752	-0.549	-6.640	-6.640	-6.640	-6.640	
Gm20624	0.017	6.611	1.639	1.856	1.389	1.672	-4.972	-6.640	-1.635	-6.640	
4930442L01Rik	0.000	6.358	-0.282	-0.563	-0.782	0.501	-6.640	-6.640	-6.640	-6.640	
Tlr1	0.001	6.272	-0.342	0.095	0.485	-1.608	-6.614	-6.640	-6.563	-6.640	
C3ar1	0.006	6.206	1.976	2.993	2.875	0.060	-4.230	-3.122	-4.140	-5.427	
Ccl9	0.001	6.039	-1.029	-0.109	-1.087	-1.893	-7.069	-6.640	-6.368	-8.198	
Efna4	0.002	5.859	0.442	0.399	0.511	0.416	-5.417	-6.640	-5.747	-3.864	
Dab2	0.005	5.840	4.343	5.493	5.194	2.342	-1.497	-1.976	-1.597	-0.917	
Msr1	0.005	5.833	1.454	2.456	2.116	-0.211	-4.379	-3.230	-4.733	-5.173	
Ccl7	0.013	5.757	1.406	2.046	2.198	-0.025	-4.351	-3.490	-2.923	-6.640	
Olfr203	0.000	5.683	-0.957	-1.417	-0.347	-1.108	-6.640	-6.640	-6.640	-6.640	
Bin2	0.000	5.651	-0.989	-0.329	-1.459	-1.180	-6.640	-6.640	-6.640	-6.640	
Rin3	0.006	5.611	-0.014	0.173	0.333	-0.546	-5.624	-3.592	-6.640	-6.640	
Ugt1a5	0.001	5.606	-1.034	-0.522	-0.130	-2.449	-6.640	-6.640	-6.640	-6.640	
RP24-194K24.9	0.000	5.560	-1.080	-1.833	-1.052	-0.354	-6.640	-6.640	-6.640	-6.640	
Wfdc10	0.000	5.550	-1.090	-0.453	-1.257	-1.559	-6.640	-6.640	-6.640	-6.640	
Gm15696	0.001	5.549	-1.091	-0.952	-2.171	-0.151	-6.640	-6.640	-6.640	-6.640	
Neurod2	0.008	5.484	0.817	1.518	0.232	0.700	-4.667	-4.225	-6.640	-3.137	
Aox4	0.000	5.445	-1.151	-1.063	-2.031	-0.361	-6.597	-6.510	-6.640	-6.640	
Plek	0.035	5.412	2.289	3.290	2.907	0.671	-3.122	-6.140	-1.971	-1.255	
Nckap1l	0.008	5.397	-0.085	0.985	0.682	-1.921	-5.482	-4.431	-5.449	-6.566	
Gm15060	0.001	5.343	-1.297	-0.635	-0.685	-2.571	-6.640	-6.640	-6.640	-6.640	
Gm17155	0.000	5.331	-1.309	-2.119	-0.754	-1.055	-6.640	-6.640	-6.640	-6.640	
Aspa	0.000	5.302	-1.080	-0.858	-0.905	-1.478	-6.382	-6.244	-6.262	-6.640	
Emp3	0.019	5.286	-0.078	0.323	0.580	-1.137	-5.364	-6.640	-2.813	-6.640	
Ctsc	0.005	5.235	3.827	4.552	4.598	2.331	-1.408	-1.126	-2.494	-0.605	
Ctse	0.001	5.204	-0.621	-1.008	0.243	-1.097	-5.825	-6.640	-5.742	-5.093	
Gm8731	0.000	5.196	-1.444	-1.726	-1.945	-0.662	-6.640	-6.640	-6.640	-6.640	
Krtap17-1	0.003	5.196	-0.700	-0.401	-1.428	-0.270	-5.895	-6.640	-4.406	-6.640	
Gm11220	0.000	5.124	-1.516	-2.131	-0.765	-1.652	-6.640	-6.640	-6.640	-6.640	
Gbp3	0.002	5.022	-1.264	-0.556	-0.647	-2.589	-6.285	-6.640	-6.550	-5.667	
Abcg3	0.003	5.011	-0.662	0.163	-0.247	-1.902	-5.673	-5.555	-6.573	-4.891	
Batf	0.001	4.996	-1.644	-1.064	-2.868	-1.000	-6.640	-6.640	-6.640	-6.640	
Gm11499	0.006	4.947	-0.837	-0.052	-1.078	-1.380	-5.784	-4.071	-6.640	-6.640	
Cd163	0.008	4.943	-1.242	-0.781	-0.408	-2.535	-6.184	-4.743	-7.346	-6.463	
Pla2g4a	0.002	4.859	1.074	0.486	0.971	1.766	-3.785	-2.678	-4.668	-4.008	
Nrsn1	0.001	4.858	-1.330	-2.026	-1.041	-0.923	-6.188	-6.640	-5.283	-6.640	Up
Trim30c	0.003	4.830	-1.152	-0.636	-1.128	-1.693	-5.983	-4.669	-6.640	-6.640	
Btk	0.001	4.801	-1.839	-1.724	-1.000	-2.792	-6.640	-6.640	-6.640	-6.640	
Lgals9	0.008	4.784	-0.198	0.344	0.118	-1.057	-4.982	-3.644	-4.662	-6.640	
Gm12598	0.013	4.719	-0.895	-1.574	-1.015	-0.095	-5.613	-3.560	-6.640	-6.640	Up
Al607873	0.025	4.712	0.291	1.462	1.321	-1.911	-4.421	-3.811	-3.507	-5.946	
Thbs1	0.015	4.707	-0.712	-0.035	-0.284	-1.817	-5.420	-3.432	-6.187	-6.640	
Fgl1	0.006	4.663	-0.856	-0.863	-1.036	-0.669	-5.520	-4.117	-7.162	-5.280	
Laptm5	0.003	4.611	2.018	2.648	1.986	1.419	-2.593	-1.395	-3.427	-2.957	
Itgam	0.017	4.587	0.823	1.523	1.552	-0.604	-3.764	-3.825	-5.332	-2.136	
Lpcat2	0.007	4.568	-0.777	0.085	-0.466	-1.952	-5.345	-4.630	-6.640	-4.765	
Gm12639	0.016	4.560	-1.011	-0.421	-0.862	-1.749	-5.571	-6.640	-3.433	-6.640	

Ptprc	0.041	4.515	1.957	2.599	3.091	0.181	-2.558	-0.925	-1.804	-4.946	
Aif1	0.019	4.510	2.643	3.755	3.773	0.401	-1.867	-2.245	-2.263	-1.092	
Atf3	0.001	4.492	2.742	2.976	2.888	2.362	-1.750	-2.583	-0.972	-1.695	Up
Arhgap30	0.011	4.491	0.381	0.995	1.478	-1.331	-4.111	-3.524	-3.734	-5.074	
Sla	0.018	4.488	0.370	0.942	1.260	-1.091	-4.118	-4.166	-2.523	-5.665	
S100a6	0.005	4.487	-1.370	-1.508	-0.990	-1.614	-5.857	-6.640	-4.291	-6.640	Up
Spi1	0.013	4.477	-0.629	0.240	-0.509	-1.618	-5.107	-5.123	-3.556	-6.640	
Gm14828	0.005	4.474	-1.388	-1.825	-1.407	-0.931	-5.862	-6.640	-6.640	-4.306	
BC021785	0.002	4.470	-1.231	-1.555	-1.391	-0.749	-5.701	-6.640	-4.646	-5.817	
Clec12a	0.016	4.388	0.995	0.692	1.807	0.486	-3.393	-2.154	-2.625	-5.400	
Mpeg1	0.006	4.332	0.829	1.117	1.954	-0.585	-3.503	-2.981	-3.414	-4.116	
Gm21968	0.013	4.330	-1.361	-0.771	-1.212	-2.099	-5.691	-6.640	-3.793	-6.640	
Gm10592	0.013	4.330	-1.361	-0.771	-1.212	-2.099	-5.691	-6.640	-3.793	-6.640	
F13a1	0.012	4.326	3.396	4.388	4.378	1.423	-0.930	-1.036	-0.666	-1.089	
Serpinf2	0.008	4.300	-1.583	-2.253	-0.820	-1.675	-5.883	-6.640	-6.640	-4.369	
Ankle1	0.034	4.287	0.693	1.733	1.808	-1.462	-3.594	-5.202	-3.050	-2.530	
Cdc42ep3	0.000	4.268	-0.324	0.104	-0.360	-0.716	-4.592	-4.069	-4.502	-5.204	Up
Megf6	0.013	4.247	-0.446	0.679	-1.716	-0.302	-4.693	-5.990	-3.549	-4.540	
Gm5292	0.000	4.230	-1.101	-1.217	-1.349	-0.738	-5.332	-5.400	-5.281	-5.313	
Hk2	0.021	4.227	1.941	2.473	2.665	0.686	-2.286	-3.627	-0.432	-2.799	
Aim2	0.017	4.133	1.238	1.923	2.462	-0.671	-2.895	-3.191	-3.369	-2.124	
Cfh	0.028	4.088	1.669	2.530	2.699	-0.222	-2.419	-1.110	-2.440	-3.706	
Rsad2	0.000	4.068	-0.213	0.035	-0.256	-0.418	-4.281	-4.092	-4.525	-4.227	
Gdnf	0.008	4.059	-1.443	-1.107	-0.354	-2.869	-5.503	-4.980	-5.413	-6.115	
Ptafr	0.011	4.055	-0.836	0.171	-0.104	-2.576	-4.891	-5.035	-4.468	-5.170	
Olfr1018	0.017	4.019	-1.671	-1.804	-2.246	-0.962	-5.690	-3.789	-6.640	-6.640	
Maf	0.020	4.008	0.839	2.005	1.784	-1.272	-3.169	-3.414	-2.988	-3.103	
Nov	0.009	3.991	-1.395	-0.326	-2.014	-1.846	-5.386	-4.668	-6.686	-4.803	
Spp1	0.002	3.985	4.400	4.425	5.154	3.622	0.416	0.005	0.323	0.919	Up
Gas6	0.037	3.960	0.400	1.233	1.238	-1.273	-3.561	-5.510	-2.528	-2.645	Up
Zdhhc15	0.044	3.946	-1.467	-1.448	-0.984	-1.969	-5.413	-2.757	-6.682	-6.799	
Cd180	0.018	3.931	1.379	2.513	2.188	-0.563	-2.551	-2.374	-3.090	-2.190	
Sp100	0.034	3.930	0.566	-0.090	1.578	0.209	-3.364	-1.144	-4.087	-4.862	
Epb4.2	0.002	3.910	1.028	1.763	0.104	1.216	-2.882	-2.603	-2.903	-3.139	
Apbb1ip	0.005	3.908	0.236	0.514	1.243	-1.049	-3.672	-3.961	-3.668	-3.388	
B2m	0.013	3.892	4.075	4.831	4.842	2.552	0.184	-0.821	0.813	0.559	
D330045A20Rik	0.013	3.862	-1.158	-0.062	-1.422	-1.989	-5.020	-3.754	-5.094	-6.211	
Anxa3	0.019	3.857	-0.588	0.175	0.550	-2.489	-4.445	-4.727	-3.745	-4.862	
Cfi	0.002	3.835	0.094	0.209	0.930	-0.857	-3.741	-4.154	-3.365	-3.704	
Tgif1	0.008	3.823	1.441	2.059	2.230	0.035	-2.382	-2.487	-2.950	-1.708	Up
Ogfrl1	0.020	3.817	-0.182	0.578	0.448	-1.572	-3.998	-5.471	-3.241	-3.284	
Tgm7	0.002	3.797	2.312	3.071	1.839	2.024	-1.486	-2.213	-0.983	-1.261	
Slc28a3	0.012	3.725	3.069	3.346	3.622	2.238	-0.656	-2.134	0.309	-0.143	
Casp4	0.011	3.716	0.268	0.930	0.960	-1.087	-3.448	-2.524	-4.032	-3.788	
Cd300a	0.027	3.670	-0.007	0.585	0.557	-1.164	-3.678	-1.880	-4.421	-4.731	
Ikzf1	0.022	3.617	-0.383	0.537	0.572	-2.256	-3.999	-4.424	-3.337	-4.237	
Rasgef1b	0.035	3.601	2.384	3.088	3.135	0.930	-1.217	0.564	-2.049	-2.166	
Hmox1	0.010	3.594	0.732	1.495	0.595	0.106	-2.862	-1.983	-4.169	-2.433	
Ms4a6c	0.034	3.580	0.669	1.086	1.772	-0.852	-2.911	-1.964	-2.254	-4.514	
Ddx60	0.011	3.527	-1.226	-0.336	-0.665	-2.676	-4.753	-5.193	-4.141	-4.925	
Neurog3	0.002	3.513	3.646	4.403	2.681	3.855	0.133	0.241	-0.040	0.199	Up
Nrros	0.041	3.493	0.574	1.513	1.472	-1.263	-2.919	-1.542	-4.077	-3.137	
Lama5	0.027	3.489	1.887	2.559	1.409	1.692	-1.603	-2.331	-2.772	0.295	Up
Col9a3	0.002	3.473	1.389	1.886	1.038	1.244	-2.084	-2.877	-1.583	-1.791	
Gm4852	0.039	3.468	-1.261	-1.799	-1.662	-0.320	-4.728	-2.716	-5.226	-6.243	
Gsta3	0.041	3.400	2.866	3.123	3.949	1.525	-0.534	-0.004	-2.288	0.691	

Rel	0.013	3.393	0.372	1.389	0.750	-1.024	-3.022	-2.822	-3.648	-2.595	
Prom1	0.005	3.384	2.491	2.991	2.345	2.137	-0.893	-2.006	-0.454	-0.219	
Mef2c	0.026	3.322	0.900	1.646	1.818	-0.764	-2.422	-3.286	-2.366	-1.614	
Habp2	0.004	3.313	1.909	2.225	2.568	0.935	-1.403	-1.802	-1.265	-1.143	
Otud1	0.010	3.279	0.133	0.535	0.068	-0.204	-3.145	-4.471	-2.167	-2.798	
Rasgrp3	0.000	3.272	3.279	3.534	3.196	3.107	0.007	-0.457	0.517	-0.039	
Cenpa	0.016	3.205	0.132	0.670	0.893	-1.167	-3.073	-3.924	-2.296	-2.998	
Cxcr4	0.005	3.186	-0.192	0.222	0.392	-1.189	-3.378	-3.929	-3.139	-3.064	
Gm8420	0.031	3.181	0.465	-0.244	0.735	0.903	-2.716	-1.813	-4.532	-1.804	
Gm8995	0.015	3.148	-0.737	-0.616	0.322	-1.919	-3.886	-3.239	-4.639	-3.778	
Gins1	0.002	3.146	0.679	0.668	1.386	-0.015	-2.467	-2.478	-2.310	-2.613	Down
Ghrl	0.013	3.120	5.050	5.313	4.524	5.312	1.929	2.373	2.810	0.605	
Vav3	0.013	3.103	0.768	0.929	1.111	0.264	-2.335	-1.174	-2.308	-3.523	Up
Egflam	0.018	3.097	-1.264	-1.439	-0.220	-2.133	-4.361	-5.450	-4.146	-3.487	
Ankrd29	0.024	3.088	-1.326	-1.862	-0.603	-1.514	-4.415	-4.559	-2.992	-5.694	
Amotl2	0.001	3.077	2.038	2.607	1.459	2.049	-1.038	-1.441	-0.895	-0.778	Up
Vwde	0.002	3.066	-1.043	-1.607	-0.933	-0.589	-4.109	-3.586	-4.019	-4.721	
Lzts1	0.005	3.051	-0.483	0.362	-1.334	-0.478	-3.534	-3.041	-3.722	-3.839	
Acot1	0.002	3.044	2.623	2.535	3.340	1.995	-0.421	-0.687	-0.181	-0.396	Up
Adamts1	0.018	3.038	3.534	3.999	4.509	2.094	0.496	-0.040	0.662	0.866	
Sdc4	0.008	3.037	1.434	1.770	2.297	0.236	-1.603	-1.618	-1.800	-1.391	Up
Fyb	0.034	3.011	2.878	3.534	3.728	1.372	-0.133	-0.733	-0.678	1.012	
4930594C11Rik	0.001	2.922	-0.548	-0.742	0.039	-0.941	-3.469	-3.331	-3.612	-3.466	
Litaf	0.001	2.884	1.959	1.985	2.419	1.474	-0.925	-1.274	-0.854	-0.645	Up
Slc16a7	0.024	2.877	0.424	0.732	0.768	-0.229	-2.453	-2.952	-0.984	-3.425	
Ggta1	0.014	2.870	0.996	1.565	1.685	-0.262	-1.873	-1.647	-2.434	-1.539	
Lynx1	0.004	2.851	-0.790	-0.119	-1.624	-0.628	-3.642	-3.577	-3.373	-3.975	
Gm13717	0.014	2.832	1.583	2.369	1.909	0.470	-1.250	-1.532	-0.550	-1.667	Up
Egr2	0.016	2.831	1.872	2.456	1.168	1.992	-0.959	-1.029	0.107	-1.954	
Gpc2	0.001	2.830	1.444	1.911	1.200	1.221	-1.386	-1.627	-1.094	-1.438	
Ier2	0.016	2.829	0.214	0.361	0.631	-0.349	-2.615	-3.647	-1.417	-2.782	Up
Klf6	0.013	2.811	3.679	4.159	4.397	2.481	0.868	0.383	1.276	0.944	
Map3k8	0.021	2.808	-0.517	0.331	-0.407	-1.477	-3.325	-3.649	-2.258	-4.069	
Ckap2l	0.036	2.796	-0.736	-0.568	0.124	-1.763	-3.532	-2.637	-3.018	-4.942	Down
Lmo4	0.002	2.791	2.153	2.264	2.558	1.638	-0.638	-1.081	-0.752	-0.081	Up
Gm12852	0.008	2.787	-0.870	-0.005	-0.990	-1.614	-3.657	-3.273	-4.291	-3.408	
St8sia4	0.026	2.776	0.226	0.633	1.276	-1.231	-2.550	-2.052	-2.526	-3.072	
Jun	0.004	2.771	4.637	5.008	4.406	4.497	1.866	1.444	2.696	1.459	Up
Dse	0.036	2.763	-0.633	0.284	0.182	-2.364	-3.396	-3.093	-3.281	-3.813	
Mospd1	0.000	2.756	1.069	1.451	1.007	0.749	-1.687	-1.431	-1.756	-1.873	
Grin3a	0.007	2.750	1.287	1.609	1.484	0.767	-1.463	-0.546	-1.759	-2.085	
Rasl11b	0.009	2.740	2.152	2.777	1.721	1.958	-0.588	-0.686	-1.367	0.289	
Slc15a2	0.008	2.734	1.440	2.218	0.774	1.328	-1.294	-0.762	-1.138	-1.981	
Tmsb4x	0.011	2.729	7.170	7.660	7.718	6.131	4.441	3.829	4.829	4.664	
D17H6S56E-5	0.027	2.714	1.663	2.343	2.470	0.177	-1.050	-1.337	-1.310	-0.503	
Cfp	0.045	2.702	0.221	0.187	0.626	-0.151	-2.481	-2.767	-0.774	-3.902	
Adamtsl2	0.040	2.697	-1.692	-1.050	-3.128	-0.899	-4.389	-3.359	-5.214	-4.594	
Gsta4	0.017	2.690	1.690	1.205	2.682	1.184	-1.000	-1.830	-0.204	-0.965	Up
Nr4a1	0.008	2.689	1.089	1.589	1.176	0.502	-1.600	-2.114	-0.699	-1.986	
Slc9a9	0.006	2.684	1.338	1.805	1.831	0.378	-1.347	-1.008	-1.459	-1.573	
Mdk	0.007	2.681	4.803	5.368	4.568	4.473	2.122	1.630	3.001	1.734	
Hes1	0.013	2.680	2.101	2.506	2.821	0.975	-0.579	-0.885	-0.039	-0.814	Up
Gm26857	0.013	2.671	-0.433	0.265	0.046	-1.612	-3.104	-2.737	-3.340	-3.235	
Cdo1	0.016	2.669	2.108	2.281	2.915	1.128	-0.561	-1.070	-0.866	0.254	
Nfkbiz	0.017	2.665	3.057	4.010	3.403	1.759	0.392	0.412	0.455	0.310	
Gm15536	0.001	2.658	11.380	11.250	11.353	11.536	8.721	8.146	9.067	8.950	

Fhl2	0.039	2.650	0.923	1.426	0.171	1.172	-1.727	-3.106	-1.709	-0.367	Up
Gm3173	0.001	2.649	-1.067	-1.491	-0.437	-1.274	-3.716	-3.693	-3.656	-3.798	
Fgfr1l	0.010	2.645	-0.474	-0.423	-0.030	-0.969	-3.119	-2.207	-3.225	-3.927	Up
Tlr4	0.034	2.644	-0.892	0.061	-0.225	-2.512	-3.537	-3.793	-3.642	-3.175	
Rnasel	0.016	2.644	2.212	3.108	2.179	1.349	-0.432	-0.623	-1.045	0.373	Up
Tns1	0.004	2.642	-1.211	-0.796	-0.825	-2.012	-3.854	-3.639	-4.242	-3.681	
Gm26669	0.031	2.634	3.738	4.294	4.730	2.189	1.104	1.443	0.870	0.999	
Slc7a7	0.040	2.633	-0.420	0.459	-0.165	-1.554	-3.053	-2.399	-2.417	-4.342	
Wwtr1	0.041	2.632	-1.323	-0.893	-0.471	-2.603	-3.954	-4.839	-4.218	-2.805	
Gm25791	0.010	2.621	7.037	6.899	7.417	6.794	4.415	4.466	3.448	5.331	
A630001G21Rik	0.046	2.613	-0.002	0.656	-0.359	-0.304	-2.615	-1.118	-2.668	-4.058	
Gm26953	0.022	2.610	6.184	7.043	4.857	6.653	3.574	3.108	3.946	3.669	
Myl9	0.006	2.599	-0.140	0.001	-0.472	0.050	-2.740	-3.129	-1.825	-3.264	
Cd2	0.008	2.593	-0.274	0.314	-1.128	-0.009	-2.868	-3.090	-2.288	-3.225	
Mir17hg	0.030	2.590	0.612	1.203	0.782	-0.150	-1.979	-0.670	-2.309	-2.957	
Trip13	0.019	2.579	1.427	1.095	2.405	0.781	-1.152	-1.297	-1.856	-0.303	
Hcrr2	0.020	2.578	-1.178	-1.252	-0.537	-1.746	-3.756	-3.011	-4.928	-3.329	
Gm26589	0.039	2.574	-1.612	-1.695	-0.788	-2.353	-4.186	-4.329	-5.347	-2.880	
Gm11223	0.014	2.569	4.181	4.613	4.830	3.098	1.612	1.165	1.526	2.144	
Bcl11b	0.011	2.560	-0.740	-0.570	-0.703	-0.946	-3.300	-2.993	-2.531	-4.376	
L3mbtl3	0.009	2.552	1.225	1.427	1.021	1.228	-1.327	-2.333	-1.061	-0.588	Up
Zfp36	0.007	2.533	6.079	6.773	6.230	5.233	3.545	3.175	3.668	3.793	Up
Sat1	0.009	2.526	4.239	4.662	4.700	3.355	1.713	1.701	1.217	2.222	
Bche	0.027	2.525	0.074	-0.166	0.902	-0.516	-2.451	-1.759	-1.938	-3.656	
Ttyh1	0.024	2.505	2.257	2.421	2.980	1.371	-0.248	-0.849	-0.704	0.809	
Gm12517	0.013	2.494	0.960	1.088	0.547	1.245	-1.534	-2.012	-0.445	-2.147	
Cdkn1a	0.006	2.493	3.712	4.423	3.018	3.695	1.219	0.760	1.500	1.398	
Lrrtm3	0.005	2.491	0.327	0.411	-0.347	0.917	-2.164	-1.662	-2.303	-2.526	
Gpr34	0.013	2.486	-0.854	-0.553	-0.302	-1.706	-3.340	-2.689	-4.029	-3.301	
Bend6	0.047	2.485	-1.214	-2.383	-0.655	-0.603	-3.699	-3.693	-2.575	-4.828	
Fgf9	0.031	2.479	0.986	0.734	0.843	1.382	-1.493	-2.843	-0.305	-1.331	Up
Gm5406	0.010	2.476	1.567	1.685	1.144	1.872	-0.909	0.058	-1.249	-1.536	
Id2	0.008	2.476	2.340	2.221	2.958	1.840	-0.136	-0.878	0.037	0.434	Up
Kcnh7	0.014	2.472	1.406	1.530	1.611	1.078	-1.066	-0.332	-2.182	-0.684	
Cd24a	0.001	2.472	7.044	7.116	7.258	6.758	4.572	4.162	4.864	4.692	Up
Pmp22	0.017	2.469	-0.159	0.721	0.074	-1.272	-2.628	-2.340	-2.483	-3.060	
Stmn1	0.001	2.441	4.045	4.311	4.314	3.510	1.604	1.611	1.386	1.815	Down
Cbfa2t2-ps1	0.014	2.417	-1.039	-0.332	-1.499	-1.286	-3.456	-4.267	-2.700	-3.402	
Gm10567	0.016	2.417	1.281	1.613	1.868	0.362	-1.136	-1.888	-0.625	-0.895	
Zyx	0.017	2.415	-0.513	0.319	-0.457	-1.400	-2.928	-2.826	-3.582	-2.376	
Elovl7	0.016	2.413	1.146	0.958	1.375	1.105	-1.267	-1.038	-2.377	-0.387	Up
Kirrel2	0.044	2.412	0.413	1.072	-0.831	0.999	-1.999	-2.802	-2.249	-0.944	
Zeb2	0.042	2.403	2.719	3.280	3.704	1.174	0.316	0.625	-0.117	0.440	
Syk	0.015	2.398	-1.350	-0.803	-0.722	-2.525	-3.749	-3.847	-3.666	-3.733	
Prr11	0.016	2.396	-0.201	-0.198	0.662	-1.068	-2.597	-2.205	-2.340	-3.247	
Cd97	0.023	2.393	0.681	1.096	1.195	-0.248	-1.712	-1.785	-2.508	-0.844	
Gm13150	0.043	2.388	0.271	-0.439	0.761	0.491	-2.117	-2.646	-0.671	-3.035	
Serpinf1	0.023	2.359	0.846	1.423	1.169	-0.055	-1.514	-2.369	-0.725	-1.448	
Kank3	0.025	2.351	-0.746	-0.706	-0.679	-0.853	-3.098	-3.539	-3.972	-1.783	
Rbm24	0.025	2.349	0.054	0.585	-0.570	0.147	-2.295	-2.523	-1.191	-3.173	
Aim1l	0.010	2.347	1.030	1.594	1.049	0.447	-1.317	-1.604	-1.781	-0.565	
Bcl2	0.001	2.329	0.775	1.194	0.445	0.687	-1.554	-1.777	-1.688	-1.197	
Bcl6	0.000	2.327	-0.846	-0.575	-0.752	-1.211	-3.173	-3.225	-3.304	-2.988	
Bmf	0.020	2.319	-0.181	-0.314	-0.180	-0.049	-2.500	-1.936	-3.724	-1.840	Up
Cat	0.004	2.319	3.744	3.884	4.200	3.149	1.426	1.002	1.703	1.572	Up
Kcnt2	0.048	2.318	-1.039	-1.815	-0.320	-0.982	-3.357	-2.039	-3.623	-4.408	

9330159M07Rik	0.008	2.312	-0.315	-0.522	0.480	-0.903	-2.627	-3.002	-2.201	-2.678	
Dtx4	0.016	2.302	-0.416	-0.583	0.151	-0.815	-2.718	-1.874	-3.581	-2.698	
Olfr771	0.036	2.293	1.053	0.907	1.719	0.532	-1.240	-0.824	-2.520	-0.375	
Mreg	0.007	2.290	1.679	2.105	1.135	1.797	-0.611	-1.278	-0.180	-0.374	Up
Grik2	0.014	2.288	0.906	1.530	0.071	1.117	-1.382	-1.410	-0.805	-1.931	
Crp	0.005	2.278	1.901	2.191	1.959	1.552	-0.377	-1.021	-0.355	0.246	
Irs4	0.013	2.277	1.466	2.061	0.481	1.856	-0.811	-0.776	-1.181	-0.475	
41709.00	0.048	2.275	0.711	0.645	0.543	0.945	-1.564	-1.638	-2.911	-0.144	
Enpp1	0.017	2.265	1.509	1.531	1.670	1.327	-0.755	-0.417	0.013	-1.863	
Gstt1	0.017	2.264	-1.016	-1.099	-0.435	-1.515	-3.280	-2.430	-3.298	-4.113	Up
Nefm	0.016	2.261	3.069	3.105	2.185	3.918	0.809	0.538	1.324	0.564	Up
Smagp	0.044	2.259	-1.084	-0.395	-0.692	-2.164	-3.343	-2.236	-3.838	-3.956	
Gm2016	0.031	2.254	-1.182	-1.581	-0.901	-1.062	-3.435	-2.341	-3.351	-4.614	
Fam49a	0.019	2.253	-0.964	-0.676	-0.588	-1.627	-3.217	-3.012	-4.144	-2.496	
Fgfr3	0.011	2.250	-0.039	0.548	-0.466	-0.197	-2.288	-2.709	-2.682	-1.473	
Col4a5	0.003	2.227	0.765	0.942	1.039	0.315	-1.462	-1.981	-1.244	-1.162	Up
Amdhd2	0.010	2.224	-0.239	0.065	0.269	-1.052	-2.464	-1.968	-2.598	-2.825	
Prcp	0.026	2.223	-0.096	0.144	0.543	-0.975	-2.319	-3.130	-1.563	-2.265	Up
Gm10409	0.024	2.218	-1.200	-1.423	-1.830	-0.348	-3.418	-2.551	-3.647	-4.056	
Myo5b	0.000	2.217	1.691	1.873	1.776	1.424	-0.526	-0.256	-0.658	-0.666	Up
Frat2	0.001	2.214	1.189	1.519	1.308	0.740	-1.025	-0.968	-1.147	-0.959	
Gm3020	0.023	2.214	-1.189	-1.428	-1.811	-0.327	-3.402	-2.587	-3.621	-4.000	
Gm609	0.001	2.213	2.912	3.131	2.492	3.112	0.699	1.078	0.467	0.550	Up
Sdc1	0.020	2.213	0.318	0.520	1.174	-0.740	-1.895	-2.279	-1.775	-1.630	
Col9a1	0.014	2.210	-0.680	-0.577	-0.145	-1.318	-2.890	-2.111	-3.464	-3.096	
Zak	0.003	2.202	1.415	1.168	1.633	1.444	-0.786	-0.245	-1.345	-0.769	
5730522E02Rik	0.040	2.198	1.247	1.142	1.238	1.361	-0.951	0.013	-0.489	-2.376	
Cd1d1	0.000	2.185	1.966	1.854	2.332	1.713	-0.219	-0.314	-0.169	-0.173	
Chrdl1	0.007	2.179	-0.949	-0.942	-0.338	-1.567	-3.128	-3.518	-3.213	-2.652	
Gm3002	0.023	2.172	-0.478	-1.099	-0.655	0.320	-2.650	-1.974	-2.499	-3.477	
Dek	0.009	2.157	6.707	6.494	7.490	6.136	4.550	4.193	4.581	4.875	
Fblim1	0.028	2.149	0.053	0.377	-0.311	0.093	-2.095	-1.392	-1.588	-3.306	
Tbl3	0.001	2.145	-0.747	-0.649	-0.446	-1.145	-2.892	-2.709	-3.155	-2.813	
Cnksr2	0.017	2.138	-0.777	-0.469	-0.751	-1.111	-2.916	-3.080	-3.713	-1.954	
Mcm3	0.028	2.128	0.507	0.823	1.319	-0.622	-1.621	-2.033	-1.664	-1.168	
Trim59	0.002	2.122	2.892	3.281	2.829	2.565	0.769	0.652	1.122	0.534	
Hhex	0.001	2.120	2.472	2.751	2.136	2.530	0.352	0.215	0.556	0.286	
Fbxl21	0.012	2.113	-1.039	-1.773	-0.640	-0.705	-3.152	-2.745	-2.920	-3.792	
Cav2	0.010	2.106	-0.450	0.177	-0.341	-1.187	-2.556	-2.226	-2.445	-2.998	
Gm3164	0.005	2.100	-0.110	-0.185	-0.677	0.533	-2.210	-2.302	-2.006	-2.323	
Cer1	0.006	2.095	2.158	2.685	1.513	2.277	0.063	0.039	-0.271	0.423	
Tmem44	0.036	2.089	-0.968	-0.583	-1.335	-0.987	-3.057	-2.371	-4.329	-2.471	
Fzd5	0.010	2.088	0.456	0.472	0.885	0.011	-1.632	-1.893	-2.116	-0.887	
Neat1	0.001	2.086	2.115	2.407	1.943	1.994	0.029	-0.181	-0.204	0.471	Up
Zfp820	0.002	2.080	-0.661	-0.639	-0.820	-0.525	-2.741	-3.252	-2.685	-2.287	
Gpx2	0.010	2.075	3.789	3.883	3.265	4.220	1.714	2.413	1.416	1.312	
Gm3667	0.019	2.064	-0.886	-1.116	-1.266	-0.275	-2.950	-2.071	-3.241	-3.537	
Gm3488	0.016	2.060	-1.221	-1.306	-2.017	-0.340	-3.281	-3.334	-2.984	-3.524	
Grhl2	0.020	2.054	0.299	0.282	1.065	-0.449	-1.754	-1.866	-1.143	-2.253	
2810429I04Rik	0.020	2.039	-1.117	-1.337	-0.541	-1.472	-3.155	-2.309	-3.888	-3.270	
Smtnl2	0.039	2.038	0.460	1.115	1.117	-0.851	-1.578	-1.888	-1.352	-1.494	
Speer4d	0.019	2.014	-0.318	0.123	-0.575	-0.503	-2.332	-1.506	-2.318	-3.172	
Fmo2	0.019	2.009	1.505	1.366	2.353	0.796	-0.504	-0.206	-0.251	-1.055	
Fjx1	0.041	2.000	0.150	0.413	0.433	-0.394	-1.849	-3.082	-1.174	-1.291	
Gm10352	0.041	1.998	-1.651	-0.970	-2.701	-1.282	-3.650	-2.833	-4.035	-4.082	
Ptprk	0.004	1.988	2.314	2.590	2.355	1.995	0.326	-0.251	0.731	0.497	Up

Cd4	0.042	1.987	-1.547	-0.759	-1.139	-2.745	-3.535	-2.994	-4.003	-3.606	
Gm3696	0.015	1.978	-0.207	-0.350	-0.821	0.550	-2.185	-2.040	-2.703	-1.813	
Gast	0.014	1.978	2.241	2.763	1.437	2.523	0.263	0.088	0.749	-0.047	Up
Nab1	0.026	1.977	2.060	2.346	2.384	1.450	0.083	0.295	-0.846	0.799	Down
Nfib	0.021	1.973	1.907	1.903	2.819	0.999	-0.066	-0.173	0.099	-0.123	
Ctsh	0.030	1.963	2.083	2.795	2.539	0.914	0.119	0.176	0.186	-0.004	Up
Rai14	0.012	1.959	0.281	0.459	0.702	-0.318	-1.678	-2.318	-1.250	-1.467	
Dock1	0.013	1.957	0.100	0.257	0.644	-0.602	-1.857	-2.396	-1.732	-1.443	Up
Slc25a13	0.029	1.955	-0.137	-0.726	0.510	-0.195	-2.092	-1.897	-2.983	-1.396	Up
Il1rap	0.002	1.951	0.653	1.040	0.511	0.410	-1.298	-1.155	-1.621	-1.118	
Tead3	0.016	1.950	0.201	-0.524	0.576	0.553	-1.749	-1.363	-2.382	-1.502	
2610307P16Rik	0.001	1.947	1.943	2.292	1.704	1.834	-0.003	0.196	-0.015	-0.191	
Arl4c	0.045	1.947	1.730	2.173	1.959	1.057	-0.217	-0.737	-0.857	0.943	
Pdk3	0.016	1.946	3.427	4.032	2.897	3.353	1.481	1.259	1.000	2.185	
Mia	0.014	1.944	3.221	3.337	3.602	2.724	1.277	1.056	0.754	2.020	
Swap70	0.019	1.936	0.096	0.480	0.542	-0.734	-1.840	-2.105	-1.256	-2.158	
Gpx8	0.032	1.929	0.671	0.236	1.476	0.300	-1.258	-1.133	-0.566	-2.076	
Sox4	0.004	1.928	3.371	3.796	3.025	3.293	1.443	1.020	1.574	1.736	Up
Tiparp	0.028	1.926	2.870	3.149	2.438	3.024	0.945	0.124	1.937	0.773	
1110034G24Rik	0.016	1.919	-0.551	-1.415	0.174	-0.411	-2.469	-2.699	-2.307	-2.402	
Gm3629	0.009	1.915	0.112	-0.612	0.373	0.574	-1.804	-2.027	-1.907	-1.477	
Gm15900	0.013	1.915	-0.104	-0.773	0.271	0.191	-2.019	-2.301	-2.319	-1.436	
Gm3239	0.026	1.913	-0.548	-1.067	-0.694	0.116	-2.460	-1.608	-2.971	-2.803	
Hmga2	0.008	1.912	2.519	2.608	3.150	1.800	0.607	0.713	0.552	0.558	
Stard8	0.040	1.907	0.305	0.991	0.740	-0.816	-1.602	-2.115	-1.571	-1.119	Up
Rps26-ps1	0.012	1.902	2.564	2.397	3.318	1.978	0.662	0.417	0.536	1.033	
Zwilch	0.038	1.900	1.129	1.399	1.853	0.136	-0.771	-1.134	-0.074	-1.105	Down
Dusp1	0.022	1.879	2.907	3.568	2.648	2.505	1.029	0.611	0.659	1.816	Up
Sun2	0.003	1.874	2.336	2.682	2.353	1.972	0.462	0.044	0.659	0.683	
Parp9	0.033	1.872	-0.054	0.532	-0.279	-0.414	-1.926	-2.045	-2.731	-1.001	
Gm3526	0.026	1.872	-1.083	-1.647	-1.383	-0.218	-2.955	-2.671	-2.614	-3.580	
Pamr1	0.013	1.872	1.889	2.027	2.395	1.246	0.018	0.195	-0.530	0.389	Up
Gm15101	0.026	1.867	-1.119	-1.278	-0.838	-1.242	-2.986	-2.351	-2.583	-4.023	
Avpr1b	0.028	1.866	-0.412	-0.209	-1.148	0.121	-2.279	-2.867	-2.452	-1.517	
Dock10	0.049	1.861	-0.128	0.301	0.662	-1.347	-1.989	-2.278	-2.196	-1.493	
Igsf3	0.011	1.857	0.144	0.520	0.583	-0.672	-1.714	-1.536	-1.805	-1.800	
Dock4	0.017	1.841	-0.805	-0.228	-1.235	-0.952	-2.646	-2.023	-2.636	-3.280	
Rassf1	0.030	1.838	-0.447	0.155	-0.444	-1.052	-2.285	-1.436	-2.866	-2.551	Up
Tmem200a	0.048	1.837	-0.431	0.129	-1.463	0.043	-2.267	-3.054	-1.782	-1.966	
Olfir329-ps	0.023	1.831	-1.128	-1.444	-1.045	-0.896	-2.960	-2.033	-3.655	-3.191	
Zfp286	0.017	1.829	0.334	1.030	-0.216	0.188	-1.495	-2.056	-1.232	-1.197	
Bcl11a	0.005	1.817	1.404	1.545	0.944	1.724	-0.413	-0.115	-0.260	-0.863	
Igdcc4	0.004	1.816	-0.376	-0.598	-0.166	-0.363	-2.192	-2.262	-2.617	-1.697	Up
Mcm7	0.021	1.814	3.399	3.495	4.079	2.623	1.585	1.542	2.027	1.187	
Gm3095	0.029	1.799	-0.353	-0.887	-0.519	0.349	-2.152	-1.367	-2.496	-2.593	
Rassf2	0.020	1.789	-0.518	0.253	-0.504	-1.302	-2.307	-2.478	-2.477	-1.966	Up
Ezh2	0.003	1.781	4.828	4.731	5.282	4.470	3.047	3.202	2.806	3.132	
Nepn	0.002	1.776	-0.147	-0.382	-0.087	0.027	-1.923	-2.363	-1.644	-1.761	
Gm22346	0.014	1.768	4.212	4.673	4.132	3.830	2.443	1.753	2.735	2.841	
F2r	0.037	1.767	1.461	2.088	0.859	1.436	-0.306	-1.134	0.406	-0.191	Up
Zfp69	0.001	1.767	-0.882	-0.829	-0.900	-0.919	-2.649	-2.871	-2.795	-2.281	Up
Osbpl7	0.024	1.761	1.281	0.916	1.468	1.458	-0.481	-1.212	0.374	-0.604	
BC067074	0.001	1.752	0.527	0.674	0.190	0.716	-1.225	-1.332	-1.057	-1.286	
Prdm9	0.021	1.751	1.222	1.553	1.174	0.939	-0.529	0.059	-0.262	-1.385	
Yy2	0.004	1.749	0.849	1.080	1.038	0.430	-0.900	-0.551	-1.269	-0.879	
Ncapg	0.021	1.742	1.641	1.577	2.467	0.878	-0.102	-0.339	0.043	-0.010	

Fmn1	0.014	1.741	-0.054	0.085	0.436	-0.685	-1.795	-2.139	-1.296	-1.951	Up
Spred1	0.010	1.736	1.767	2.065	1.923	1.313	0.031	-0.323	-0.200	0.616	Up
Prc1	0.029	1.735	3.056	2.821	3.803	2.544	1.321	1.925	0.713	1.326	
Nrp1	0.034	1.735	0.496	0.980	1.042	-0.533	-1.238	-1.599	-1.019	-1.097	
Rfc4	0.035	1.732	2.047	1.905	2.867	1.370	0.315	0.773	0.520	-0.347	
Fam110a	0.022	1.732	-0.586	-0.301	-1.308	-0.149	-2.317	-1.972	-2.931	-2.049	Up
Rab11fip4	0.001	1.729	-0.539	-0.432	-0.548	-0.636	-2.268	-2.355	-2.581	-1.868	Up
Pip4k2a	0.004	1.729	2.605	2.872	2.779	2.166	0.876	0.706	1.255	0.667	Up
Gm3591	0.024	1.724	-0.706	-0.826	-1.440	0.149	-2.430	-2.304	-2.262	-2.724	
Rpl26	0.007	1.720	5.027	4.706	5.520	4.855	3.307	2.912	3.324	3.686	Up
Gm8113	0.002	1.711	2.340	2.458	2.299	2.263	0.629	0.169	0.868	0.849	Up
Gm26880	0.002	1.700	3.879	4.272	3.921	3.444	2.179	2.165	2.170	2.202	
Gm13160	0.025	1.699	0.439	0.632	1.139	-0.453	-1.260	-1.037	-1.502	-1.241	
2410006H16Rik	0.048	1.695	2.936	2.777	3.217	2.816	1.242	0.077	1.781	1.868	
Igsf9	0.008	1.686	0.260	0.500	-0.242	0.523	-1.426	-1.116	-1.899	-1.263	Up
Snrbp	0.049	1.672	1.272	1.325	1.276	1.214	-0.400	-1.598	0.211	0.186	
Flna	0.041	1.670	2.001	2.007	2.337	1.659	0.330	-0.456	0.122	1.324	
Rin2	0.032	1.669	0.921	1.462	1.227	0.073	-0.748	-0.711	-1.259	-0.275	Up
5330417C22Rik	0.001	1.658	3.186	3.368	3.221	2.970	1.528	1.286	1.717	1.582	
Rccd1	0.048	1.655	0.965	1.503	0.222	1.170	-0.691	-1.165	-1.111	0.204	
Tex30	0.009	1.655	3.291	3.367	3.654	2.850	1.636	1.169	1.660	2.078	
Ptgfrn	0.011	1.654	-0.190	-0.088	0.174	-0.657	-1.844	-2.375	-1.464	-1.693	
2610035D17Rik	0.029	1.650	0.511	0.756	0.314	0.463	-1.140	-0.227	-1.829	-1.364	
Egr1	0.004	1.650	5.643	5.866	5.659	5.405	3.993	3.572	4.380	4.028	
Acsl1	0.038	1.639	1.236	1.207	0.754	1.747	-0.403	-0.402	0.384	-1.190	
Snn	0.018	1.637	1.355	1.800	0.996	1.270	-0.282	-0.986	0.154	-0.014	
Wsb1	0.001	1.636	5.199	5.421	5.006	5.169	3.562	3.293	3.608	3.786	
Arhgap42	0.004	1.630	0.190	0.509	0.129	-0.069	-1.441	-1.770	-1.016	-1.536	
Frmd6	0.031	1.620	-0.778	-0.596	-0.678	-1.060	-2.398	-1.889	-3.343	-1.962	Up
Gm2237	0.043	1.619	-0.322	-0.247	-1.009	0.291	-1.940	-2.049	-1.192	-2.580	
Rap2b	0.015	1.617	0.213	0.504	0.329	-0.193	-1.404	-1.084	-1.062	-2.067	
Klf2	0.038	1.611	-0.960	-0.269	-1.205	-1.407	-2.571	-1.797	-2.815	-3.102	
Ccng2	0.003	1.609	2.462	2.724	2.208	2.453	0.853	0.621	0.683	1.253	
Bzw2	0.014	1.604	1.463	1.596	2.010	0.783	-0.140	0.109	-0.324	-0.207	
Serpini1	0.008	1.603	3.054	3.245	2.561	3.356	1.451	1.064	1.765	1.525	
Zfp626	0.007	1.602	0.791	0.353	1.134	0.886	-0.811	-1.204	-0.737	-0.492	
Hmgn5	0.005	1.596	5.374	5.202	5.844	5.075	3.778	3.490	3.943	3.901	
Gm26137	0.015	1.590	3.966	3.936	4.132	3.830	2.376	1.753	2.320	3.054	
Galnt3	0.032	1.589	-0.499	-0.048	-0.185	-1.265	-2.088	-1.492	-2.239	-2.534	
Aif1l	0.019	1.582	-1.217	-1.008	-1.082	-1.560	-2.799	-3.414	-2.112	-2.871	
Rapgef5	0.037	1.576	-1.149	-0.874	-0.441	-2.132	-2.725	-2.716	-2.608	-2.851	
Rpl36a	0.039	1.574	7.898	7.932	8.546	7.217	6.324	5.623	6.658	6.692	
Pcna	0.021	1.573	4.500	4.672	5.023	3.805	2.927	2.562	3.352	2.866	
Gm3636	0.012	1.571	0.383	0.620	-0.313	0.842	-1.188	-1.298	-1.126	-1.140	
Dok2	0.005	1.570	0.264	0.382	0.084	0.325	-1.306	-1.831	-1.115	-0.973	
Lpar6	0.007	1.569	1.569	2.017	1.290	1.400	0.000	0.092	0.305	-0.397	Up
Axdnd1	0.038	1.565	0.377	1.028	0.657	-0.553	-1.188	-1.271	-0.836	-1.456	
Clu	0.036	1.563	2.058	2.037	2.768	1.369	0.495	-0.094	0.707	0.874	Down
Sparc	0.025	1.559	4.343	4.591	4.810	3.629	2.784	2.308	2.863	3.183	
Pla2g12a	0.003	1.556	0.082	0.268	0.170	-0.191	-1.474	-1.108	-1.748	-1.565	
Gm14393	0.022	1.554	0.154	-0.366	0.146	0.683	-1.400	-1.788	-1.610	-0.801	
2610042L04Rik	0.020	1.552	-1.439	-1.893	-1.741	-0.683	-2.990	-3.168	-2.657	-3.147	
Plk2	0.046	1.551	2.524	2.553	2.911	2.108	0.973	0.069	1.092	1.757	
Smarcd2	0.031	1.550	4.028	4.554	3.568	3.961	2.478	1.842	3.150	2.441	
Slco2a1	0.013	1.549	-0.670	-0.293	-1.152	-0.564	-2.218	-2.286	-2.626	-1.743	Up
Zfp870	0.020	1.547	-0.539	-0.318	-0.903	-0.397	-2.086	-1.749	-2.819	-1.691	Up

Mex3a	0.012	1.545	0.956	1.583	0.512	0.773	-0.589	-0.648	-0.788	-0.332	
Gm13237	0.033	1.531	0.890	0.825	1.573	0.272	-0.641	-1.230	-0.339	-0.354	
Grin2c	0.049	1.531	-0.293	0.381	-1.120	-0.140	-1.823	-1.961	-2.301	-1.209	Up
Plin2	0.046	1.529	1.837	2.425	2.121	0.966	0.309	0.897	-0.081	0.110	Up
Zik1	0.016	1.528	-0.190	0.258	-0.601	-0.228	-1.719	-2.167	-1.185	-1.804	Down
Tpm4	0.009	1.528	5.210	5.379	5.176	5.077	3.683	3.071	4.030	3.947	
Pcdhb22	0.015	1.527	-0.203	0.169	-0.359	-0.420	-1.730	-1.772	-2.266	-1.152	
Hdac11	0.009	1.525	-0.567	-0.482	-0.147	-1.073	-2.092	-1.738	-2.316	-2.222	
Mal2	0.038	1.523	1.664	1.573	2.326	1.091	0.140	-0.529	0.308	0.641	
Tcf3	0.027	1.519	-0.379	-0.087	-0.506	-0.544	-1.897	-2.526	-2.070	-1.097	Up
Lrrn3	0.017	1.515	-0.740	-0.725	-0.875	-0.622	-2.256	-1.658	-2.146	-2.963	
Fosb	0.007	1.511	3.142	3.230	3.270	2.927	1.631	1.118	1.704	2.073	Up
Oas3	0.044	1.507	0.258	0.718	-0.231	0.286	-1.249	-0.365	-1.722	-1.660	
Lpin2	0.012	1.506	2.258	2.878	1.854	2.043	0.752	0.529	1.025	0.702	Up
Cyp39a1	0.046	1.506	0.485	0.578	0.318	0.559	-1.021	-1.858	-1.139	-0.067	Up
Sox6	0.003	1.499	0.740	1.104	0.701	0.416	-0.759	-0.995	-0.737	-0.543	Up
Hilpda	0.025	1.499	2.070	2.376	2.080	1.755	0.572	-0.178	0.776	1.116	Up
Ntn4	0.020	1.497	1.598	1.730	1.773	1.292	0.101	-0.579	0.698	0.184	Up
Fbxo30	0.015	1.490	2.659	2.959	2.425	2.593	1.169	0.718	1.807	0.980	Up
Pola1	0.003	1.488	3.353	3.378	3.534	3.147	1.865	1.544	1.792	2.257	
Pycard	0.009	1.487	-1.157	-0.813	-0.971	-1.687	-2.644	-2.926	-2.359	-2.646	
Atp11c	0.016	1.482	0.484	0.368	1.173	-0.090	-0.999	-0.998	-0.944	-1.054	
Trp53inp1	0.006	1.479	3.804	4.127	3.258	4.026	2.324	2.259	2.434	2.280	Up
Erbp3	0.022	1.477	0.178	0.551	0.223	-0.238	-1.298	-1.182	-1.932	-0.782	Up
Rpl36a-ps1	0.011	1.476	3.950	3.935	4.458	3.457	2.473	2.189	2.478	2.753	
Rab8b	0.047	1.475	1.922	2.350	2.525	0.892	0.447	0.419	0.389	0.535	
Prps2	0.037	1.471	2.673	2.826	3.394	1.801	1.202	1.027	1.207	1.374	
Tcf7l2	0.006	1.471	2.092	2.333	2.047	1.896	0.621	0.390	0.365	1.109	Up
Lgr4	0.021	1.470	1.864	1.781	2.445	1.366	0.395	0.036	0.295	0.852	Up
Nxph1	0.042	1.467	0.412	0.327	0.065	0.844	-1.055	-0.331	-1.861	-0.972	
Gm2824	0.030	1.466	-1.501	-1.663	-1.010	-1.831	-2.968	-2.304	-3.566	-3.033	
Rpl35a-ps2	0.023	1.457	4.130	4.045	4.686	3.659	2.674	2.146	2.807	3.068	
Rpl35a-ps3	0.023	1.457	4.130	4.045	4.686	3.659	2.674	2.146	2.807	3.068	
Rpl35a-ps4	0.023	1.457	4.130	4.045	4.686	3.659	2.674	2.146	2.807	3.068	
Rpl35a-ps6	0.023	1.457	4.130	4.045	4.686	3.659	2.674	2.146	2.807	3.068	
Gm10243	0.023	1.457	4.130	4.045	4.686	3.659	2.674	2.146	2.807	3.068	
Zfp184	0.038	1.450	0.938	1.561	0.089	1.163	-0.512	-0.665	-0.726	-0.147	
C230081A13Rik	0.042	1.433	0.086	0.484	0.394	-0.619	-1.347	-1.313	-0.787	-1.940	
Trib1	0.010	1.432	2.189	2.599	2.072	1.895	0.757	0.445	1.210	0.615	Up
Lhfpl2	0.006	1.427	0.494	0.876	0.074	0.531	-0.933	-0.672	-0.979	-1.148	
Rps23-ps	0.009	1.424	4.698	4.897	4.914	4.281	3.273	3.130	3.695	2.994	
Zfp940	0.035	1.422	1.808	1.085	1.781	2.558	0.386	0.207	0.706	0.246	
Sass6	0.028	1.421	0.619	0.925	0.864	0.069	-0.802	-0.182	-1.254	-0.970	
Arhgef10l	0.031	1.420	0.075	0.168	-0.134	0.190	-1.346	-2.176	-1.053	-0.808	Up
Camk2d	0.042	1.419	1.157	1.386	1.531	0.553	-0.262	-0.214	-0.929	0.355	Up
Hmgb3	0.007	1.417	4.204	4.206	4.402	4.003	2.786	2.289	2.968	3.102	
Supt4a	0.009	1.413	4.503	4.860	4.296	4.354	3.090	2.688	3.493	3.089	
Gm24617	0.048	1.413	4.104	4.351	4.132	3.830	2.691	1.753	3.320	2.999	
Klhl24	0.022	1.412	2.943	3.361	2.259	3.209	1.531	1.176	1.772	1.646	
Bend5	0.026	1.409	1.105	1.474	0.783	1.058	-0.304	-0.997	-0.106	0.191	Up
Btg2	0.005	1.399	4.480	4.785	4.099	4.556	3.080	2.768	3.190	3.284	Up
Casp6	0.019	1.396	0.947	1.318	0.741	0.782	-0.449	-0.987	-0.461	0.100	Up
Peli2	0.023	1.394	-0.046	0.173	-0.231	-0.081	-1.440	-2.169	-0.991	-1.161	
Amer1	0.005	1.391	0.949	1.206	1.048	0.594	-0.441	-0.771	-0.385	-0.169	
Pnrc2	0.021	1.385	5.182	5.674	5.253	4.620	3.798	3.432	3.771	4.190	
Brca2	0.019	1.382	0.336	0.155	0.880	-0.026	-1.045	-0.995	-1.482	-0.659	

Top3a	0.043	1.372	0.194	0.380	0.432	-0.229	-1.178	-2.012	-0.697	-0.826	
Tpm3-rs7	0.001	1.371	2.501	2.618	2.489	2.395	1.129	0.854	1.365	1.169	
Rps12l1	0.045	1.370	3.624	3.706	4.092	3.075	2.254	1.635	2.914	2.213	
Rnd3	0.007	1.370	2.866	3.288	2.902	2.410	1.497	1.348	1.541	1.601	
Sox5	0.026	1.368	0.649	0.479	0.600	0.870	-0.719	0.032	-1.193	-0.994	
Pld1	0.013	1.367	3.188	3.792	2.877	2.894	1.821	1.700	2.031	1.731	
Pik3c2g	0.011	1.366	0.040	0.469	-0.294	-0.055	-1.326	-1.667	-1.350	-0.961	Up
Trps1	0.009	1.361	1.281	1.589	1.414	0.841	-0.080	0.267	-0.168	-0.337	Up
Rps12-ps3	0.045	1.359	3.647	3.729	4.102	3.110	2.287	1.646	2.942	2.275	
Baz1a	0.002	1.359	2.417	2.692	2.429	2.131	1.059	1.288	0.945	0.944	Up
Srgap2	0.020	1.355	1.261	1.515	1.598	0.671	-0.093	-0.514	0.138	0.096	
Dancr	0.017	1.354	1.827	1.814	2.341	1.325	0.472	0.361	0.833	0.223	
Ptger4	0.044	1.351	-1.178	-0.677	-1.583	-1.276	-2.529	-3.249	-2.399	-1.940	Up
Cars	0.035	1.348	0.379	0.330	-0.096	0.902	-0.969	-1.523	-0.966	-0.417	
Btg1	0.005	1.346	3.367	3.614	3.448	3.037	2.021	1.678	2.160	2.224	
Prelid2	0.027	1.343	-1.328	-0.937	-1.741	-1.306	-2.671	-2.287	-3.305	-2.422	
Cd84	0.026	1.343	0.510	0.824	0.963	-0.256	-0.832	-0.749	-0.913	-0.835	
Asxl3	0.026	1.339	-1.015	-0.928	-1.229	-0.887	-2.354	-1.624	-2.840	-2.597	
Rps23	0.010	1.339	6.642	6.738	7.046	6.140	5.303	5.132	5.517	5.259	
BC039771	0.044	1.334	-1.006	-0.876	-1.375	-0.768	-2.340	-1.510	-2.666	-2.845	
Rfc3	0.022	1.330	2.840	2.703	3.410	2.407	1.510	1.310	1.933	1.286	
Timp3	0.028	1.324	0.917	1.184	0.371	1.198	-0.407	-0.648	0.154	-0.727	
Sox9	0.047	1.324	2.450	2.839	2.841	1.668	1.125	0.758	1.609	1.009	
Tomt	0.025	1.320	-1.076	-0.839	-0.585	-1.804	-2.396	-2.539	-2.281	-2.369	
Dusp16	0.003	1.320	1.762	1.926	1.725	1.636	0.442	0.285	0.235	0.806	Up
Grasp	0.020	1.316	-0.350	-0.178	-0.629	-0.244	-1.667	-2.299	-1.267	-1.434	
Olfm1	0.029	1.313	1.709	2.169	1.205	1.752	0.395	0.078	0.948	0.159	Down
2610203C20Rik	0.012	1.313	1.065	0.870	1.447	0.877	-0.248	-0.608	0.183	-0.320	
Sh3bp2	0.035	1.312	-1.000	-0.699	-0.715	-1.587	-2.312	-2.668	-2.552	-1.716	Up
Fam32a	0.018	1.310	3.453	3.519	2.994	3.848	2.143	1.760	2.125	2.544	
Arg1	0.049	1.310	1.000	1.557	0.361	1.081	-0.310	-0.688	0.318	-0.560	
Rad50	0.030	1.306	3.233	3.150	3.832	2.715	1.926	1.561	1.888	2.330	
Rpl7	0.003	1.306	6.345	6.444	6.563	6.029	5.039	4.889	5.269	4.960	
Olf801	0.026	1.304	1.290	1.102	1.620	1.148	-0.014	0.662	-0.325	-0.380	
Mettl21c	0.008	1.293	0.028	0.078	0.437	-0.433	-1.265	-1.227	-1.135	-1.434	
Zfp930	0.025	1.291	0.575	0.767	0.757	0.200	-0.717	-0.086	-1.104	-0.959	
Pcsk5	0.009	1.279	-1.430	-1.687	-0.914	-1.688	-2.709	-2.635	-2.848	-2.644	
Vrk2	0.034	1.273	1.295	1.350	1.605	0.930	0.022	-0.651	0.532	0.185	
Mycl	0.028	1.272	0.771	1.291	0.393	0.630	-0.500	-0.838	-0.691	0.027	Up
4933423P22Rik	0.044	1.260	0.339	0.404	0.278	0.335	-0.921	-0.836	-1.706	-0.221	
5430403G16Rik	0.008	1.259	-0.430	-0.081	-0.542	-0.668	-1.689	-1.656	-2.015	-1.396	
Rps20	0.016	1.256	6.243	6.295	6.638	5.796	4.987	5.015	4.635	5.311	
Trmt10a	0.048	1.252	2.713	3.061	2.516	2.562	1.461	0.934	2.268	1.181	
Gm4835	0.037	1.250	-0.455	-0.512	-0.043	-0.811	-1.705	-1.052	-1.877	-2.187	
Epb4.1l2	0.038	1.245	1.323	1.600	1.698	0.672	0.078	-0.376	0.473	0.136	
Gfra1	0.030	1.242	-0.437	-0.156	-0.037	-1.117	-1.679	-1.687	-1.409	-1.942	Up
Srf	0.022	1.238	1.568	1.821	1.032	1.850	0.330	-0.025	0.321	0.694	Up
9830144P21Rik	0.014	1.234	-0.267	0.023	-0.206	-0.619	-1.501	-1.914	-1.125	-1.464	
Kdelc1	0.020	1.232	1.818	1.925	1.798	1.731	0.586	0.793	-0.053	1.018	
Ing3	0.010	1.224	3.884	3.938	3.776	3.939	2.660	2.432	2.368	3.180	
Bloc1s1	0.028	1.221	2.098	2.810	1.803	1.681	0.877	0.851	0.821	0.960	
Taf1d	0.017	1.218	3.391	3.317	3.944	2.910	2.172	2.074	2.293	2.149	
Lgmn	0.018	1.217	1.671	2.149	1.726	1.138	0.454	0.322	0.670	0.371	Down
Lurap1l	0.010	1.216	1.797	1.956	2.136	1.298	0.580	0.495	0.523	0.723	Up
Wwp1	0.013	1.214	2.699	2.973	2.991	2.132	1.485	1.485	1.523	1.446	
Cast	0.038	1.212	0.659	0.568	1.191	0.218	-0.553	-0.927	-0.722	-0.010	

Cnbd2	0.021	1.211	0.832	1.152	0.740	0.603	-0.380	0.050	-0.280	-0.910	
Gm20917	0.024	1.210	-1.470	-1.858	-0.875	-1.676	-2.680	-2.374	-2.736	-2.931	
Lima1	0.028	1.207	2.195	2.413	2.495	1.677	0.987	0.535	1.045	1.382	
Gm6563	0.021	1.204	1.786	1.905	1.786	1.667	0.582	0.159	0.378	1.209	
Eci2	0.000	1.202	2.640	2.812	2.521	2.588	1.439	1.341	1.430	1.545	Up
Lrrn1	0.009	1.201	2.257	2.645	2.227	1.898	1.055	0.798	1.169	1.199	
Cald1	0.023	1.201	2.366	1.723	2.678	2.696	1.165	1.293	1.210	0.992	Up
Pgrmc1	0.004	1.200	3.145	3.373	2.933	3.128	1.945	2.002	1.650	2.184	
Nufip1	0.017	1.200	0.660	1.116	0.590	0.275	-0.539	-0.813	-0.200	-0.605	
Gm4617	0.038	1.194	-0.918	-0.507	-0.841	-1.406	-2.112	-2.395	-2.413	-1.530	
Gm10029	0.049	1.191	2.479	2.417	3.050	1.971	1.288	0.715	1.501	1.648	
Bag3	0.039	1.189	-0.027	0.219	-0.197	-0.102	-1.216	-1.261	-0.549	-1.836	Up
Gm26552	0.007	1.187	-0.004	-0.230	-0.064	0.282	-1.191	-1.101	-1.529	-0.942	
Gm26893	0.007	1.187	-0.004	-0.230	-0.064	0.282	-1.191	-1.101	-1.529	-0.942	
Kdsr	0.011	1.186	0.015	0.088	0.235	-0.278	-1.171	-1.475	-0.744	-1.296	
Zbed3	0.017	1.181	1.941	2.149	2.195	1.478	0.759	0.418	1.072	0.788	
Mcm2	0.046	1.178	-0.449	-0.160	0.036	-1.222	-1.626	-1.458	-1.891	-1.529	
Peli1	0.020	1.177	2.564	2.968	2.256	2.469	1.387	0.923	1.561	1.679	
Tbc1d9	0.034	1.176	0.518	0.731	-0.155	0.978	-0.658	-0.834	-0.763	-0.376	
Gm9003	0.045	1.175	-0.126	0.531	-0.804	-0.105	-1.301	-1.357	-1.053	-1.492	
Pdlim5	0.005	1.167	2.519	2.799	2.268	2.490	1.352	1.343	1.119	1.594	
Aplp2	0.019	1.165	3.885	4.171	3.790	3.692	2.720	2.202	3.098	2.859	
Rps26	0.049	1.164	5.914	6.026	6.424	5.293	4.750	4.271	4.838	5.140	
Zfand5	0.017	1.161	5.058	5.441	4.821	4.912	3.897	3.456	4.161	4.074	
9030622O22Rik	0.033	1.159	2.402	2.099	2.100	3.008	1.243	1.456	1.425	0.847	
Rps4x	0.027	1.156	7.288	7.334	7.706	6.824	6.132	5.691	6.319	6.386	
Sap30bp	0.002	1.150	2.968	2.969	3.165	2.771	1.819	1.827	2.021	1.609	
Jmjd1c	0.002	1.147	4.710	4.898	4.665	4.567	3.563	3.398	3.469	3.821	
Slc43a1	0.049	1.146	-1.024	-1.267	-0.525	-1.280	-2.170	-2.057	-2.781	-1.672	
Ints7	0.017	1.145	0.207	0.678	0.173	-0.230	-0.938	-1.169	-0.899	-0.747	Up
Lamb1	0.023	1.145	3.501	3.619	3.774	3.111	2.357	1.863	2.623	2.583	Up
Nacc2	0.004	1.143	-0.314	-0.033	-0.347	-0.561	-1.457	-1.643	-1.459	-1.268	Up
Snhg4	0.005	1.138	1.803	1.988	2.001	1.421	0.665	0.789	0.700	0.507	Up
Rnf128	0.001	1.137	2.080	2.009	2.013	2.216	0.942	0.854	0.792	1.181	
2010107G23Rik	0.030	1.134	2.522	2.988	1.960	2.617	1.388	1.126	1.695	1.341	
Mms22l	0.026	1.131	1.115	1.067	1.651	0.626	-0.016	0.234	-0.231	-0.051	
Rcc2	0.018	1.129	0.542	0.559	0.771	0.294	-0.588	-1.001	-0.647	-0.115	
Gem	0.048	1.128	1.022	1.660	0.418	0.988	-0.106	-0.047	-0.437	0.166	
Odc1	0.024	1.118	4.672	4.828	5.045	4.144	3.554	3.238	3.699	3.724	
4930422G04Rik	0.015	1.115	-0.471	-0.494	-0.209	-0.709	-1.586	-1.199	-2.006	-1.552	
Gm5903	0.001	1.109	1.228	1.456	1.036	1.192	0.119	0.013	0.094	0.251	
Sel1l3	0.008	1.105	-0.450	-0.041	-0.552	-0.758	-1.555	-1.663	-1.548	-1.454	
Marcksl1	0.030	1.101	3.292	3.658	3.151	3.068	2.191	1.724	2.685	2.163	
Gata6	0.009	1.100	0.944	1.321	0.860	0.650	-0.157	-0.375	-0.125	0.030	Down
Lbp	0.047	1.100	2.497	3.087	2.322	2.081	1.397	0.925	1.719	1.545	
Cnpy4	0.024	1.099	2.620	2.913	2.507	2.441	1.521	1.435	1.096	2.032	
Apex1	0.023	1.098	1.120	1.390	1.144	0.825	0.021	-0.496	0.294	0.265	
Ifitm2	0.040	1.098	3.552	4.001	3.788	2.869	2.455	2.322	2.366	2.677	Up
Gria2	0.050	1.097	1.150	1.567	0.399	1.483	0.053	-0.105	0.289	-0.025	
Fchsd2	0.010	1.097	3.690	3.982	3.784	3.304	2.594	2.358	2.660	2.763	Up
Gm11353	0.029	1.091	4.100	4.209	4.476	3.616	3.009	2.708	3.398	2.920	
Olfr1459	0.033	1.088	-0.394	-0.518	-0.041	-0.623	-1.482	-1.764	-1.782	-0.899	
Vps26a	0.023	1.087	2.608	2.656	2.668	2.502	1.521	1.664	0.949	1.950	
Ruvbl1	0.043	1.084	2.052	2.042	2.463	1.650	0.967	1.378	0.414	1.109	
Gm15501	0.031	1.082	4.083	4.195	4.456	3.598	3.001	2.715	3.418	2.870	
Gm11878	0.037	1.082	3.550	3.575	4.073	3.001	2.468	2.229	2.789	2.387	

Naa40	0.016	1.072	-0.151	0.080	0.102	-0.637	-1.224	-1.414	-1.248	-1.009	
Gm15064	0.007	1.071	1.504	1.615	1.406	1.491	0.433	0.027	0.675	0.596	
Kif13a	0.004	1.068	0.434	0.729	0.317	0.257	-0.634	-0.654	-0.792	-0.456	
Gm7658	0.039	1.062	1.127	1.462	1.127	0.793	0.065	-0.367	0.627	-0.064	
Gm11914	0.009	1.061	2.483	2.330	2.729	2.389	1.421	1.214	1.251	1.799	
Alcam	0.023	1.061	4.960	4.926	4.629	5.326	3.900	3.500	4.245	3.953	Up
Fos	0.036	1.060	3.855	4.177	3.840	3.549	2.795	2.316	3.311	2.759	Up
Marcks	0.018	1.057	5.576	5.958	5.156	5.614	4.519	4.229	4.626	4.701	Up
Pim3	0.025	1.056	-0.385	-0.296	-0.198	-0.661	-1.442	-1.078	-1.959	-1.287	
Rpl32	0.049	1.056	6.188	6.246	6.649	5.670	5.132	4.635	5.407	5.353	
Meis1	0.002	1.056	2.232	2.366	2.390	1.942	1.177	1.103	1.251	1.176	
Igfbp5	0.024	1.056	1.583	1.642	1.869	1.237	0.527	0.682	0.071	0.829	Up
Gm12174	0.017	1.055	1.695	1.809	1.948	1.328	0.640	0.435	1.017	0.468	
Gm2000	0.033	1.048	3.323	3.449	3.783	2.737	2.275	2.328	2.439	2.056	
BC042782	0.019	1.048	-0.096	0.235	-0.461	-0.062	-1.144	-1.248	-1.402	-0.780	
Mtmr14	0.001	1.042	1.971	2.064	1.707	2.143	0.929	0.936	0.925	0.925	
Cd55	0.034	1.040	1.669	1.765	1.490	1.751	0.629	0.108	1.196	0.583	
Msantd3	0.017	1.036	2.207	1.968	2.532	2.122	1.171	1.557	1.076	0.879	
Prox1	0.022	1.033	4.698	5.066	4.252	4.775	3.665	3.450	3.577	3.968	Up
Rpl13-ps3	0.017	1.032	1.215	1.270	1.540	0.834	0.182	0.001	0.506	0.039	
Gm12715	0.014	1.032	4.759	5.102	4.485	4.691	3.727	3.475	4.040	3.666	
Pde8b	0.036	1.030	-0.033	-0.273	0.496	-0.323	-1.063	-1.255	-1.268	-0.666	Down
Gm10330	0.044	1.029	1.232	1.250	1.031	1.415	0.204	-0.361	0.801	0.172	
Pgm2l1	0.015	1.028	1.205	1.414	0.790	1.411	0.177	-0.099	0.271	0.358	Up
Gm11361	0.046	1.028	4.322	4.432	4.655	3.878	3.294	3.190	3.813	2.879	
Gm8430	0.039	1.026	5.161	5.332	5.537	4.615	4.135	4.008	4.512	3.885	
Mrps26	0.034	1.023	0.354	0.242	0.748	0.071	-0.669	-1.128	-0.623	-0.256	
Frk	0.006	1.022	1.016	1.153	1.233	0.662	-0.006	-0.121	-0.041	0.145	
Cldn6	0.016	1.021	4.847	5.079	4.816	4.647	3.827	3.426	3.863	4.190	Up
Gpr125	0.026	1.012	0.443	0.458	0.869	0.001	-0.570	-0.827	-0.303	-0.579	
Gm9843	0.022	1.010	6.590	6.868	6.589	6.313	5.580	5.399	6.032	5.307	
Sh3bp5	0.022	1.009	1.184	1.607	1.143	0.802	0.175	-0.026	0.463	0.088	Up
G530011O06Rik	0.002	1.007	1.369	1.426	1.134	1.548	0.363	0.250	0.310	0.527	
Rbmxl1	0.004	1.005	3.554	3.631	3.735	3.296	2.549	2.361	2.584	2.701	
Prmt10	0.042	0.996	1.309	1.391	0.835	1.703	0.314	-0.108	0.409	0.640	
Nrbp2	0.014	0.995	0.576	0.790	0.149	0.788	-0.419	-0.542	-0.219	-0.497	
Rfwd3	0.006	0.991	3.459	3.698	3.275	3.405	2.468	2.271	2.394	2.739	
Rttn	0.009	0.990	-0.840	-1.165	-0.586	-0.769	-1.830	-1.619	-2.052	-1.821	
Cideb	0.014	0.987	-0.922	-0.588	-0.853	-1.325	-1.909	-2.102	-1.802	-1.822	
Lamc1	0.043	0.985	4.184	4.285	4.464	3.802	3.199	2.699	3.637	3.261	
Haus6	0.036	0.985	1.322	1.222	1.886	0.859	0.337	0.451	0.432	0.130	
Rps18-ps3	0.049	0.984	4.121	4.192	4.490	3.682	3.137	2.884	3.663	2.865	
Btbd17	0.019	0.983	-0.272	0.012	-0.556	-0.273	-1.255	-1.340	-1.548	-0.879	
Gm15500	0.027	0.980	5.938	5.868	6.294	5.652	4.958	4.843	5.377	4.654	
Smo	0.037	0.973	0.529	0.610	1.010	-0.033	-0.444	-0.509	-0.266	-0.556	Up
Gm5908	0.036	0.971	1.067	1.309	1.319	0.574	0.096	0.389	-0.266	0.165	
Cobl	0.016	0.970	-0.208	0.241	-0.337	-0.527	-1.178	-1.033	-1.257	-1.243	
Gm7324	0.025	0.969	0.671	0.616	0.721	0.675	-0.298	-0.797	-0.253	0.156	
5730507C01Rik	0.002	0.964	0.985	0.907	0.958	1.091	0.021	0.252	-0.016	-0.173	
5430416N02Rik	0.029	0.963	4.093	4.203	4.160	3.914	3.129	2.803	3.678	2.906	Up
Timp2	0.024	0.963	0.657	0.464	1.093	0.415	-0.306	0.018	-0.454	-0.481	
Gm11263	0.026	0.962	3.718	3.805	3.990	3.359	2.756	2.533	3.168	2.566	
Bola3	0.038	0.961	2.381	2.057	2.255	2.831	1.420	1.289	1.833	1.139	
Gm14970	0.037	0.960	2.130	2.322	2.330	1.738	1.170	0.887	0.973	1.651	
Gm16409	0.014	0.958	3.291	3.323	3.548	3.001	2.332	2.190	2.662	2.146	
Rras2	0.038	0.958	0.732	0.299	1.223	0.674	-0.226	0.021	-0.169	-0.529	Up

Gm12918	0.017	0.956	1.438	1.461	1.793	1.060	0.482	0.304	0.706	0.436	
Rpl15-ps2	0.001	0.953	3.390	3.496	3.452	3.222	2.437	2.387	2.557	2.367	
Rpl17	0.037	0.953	5.964	5.974	6.406	5.510	5.011	4.684	5.094	5.254	
Gm10335	0.038	0.950	1.793	2.006	2.101	1.273	0.843	0.578	1.157	0.795	
Tmem123	0.030	0.947	2.287	2.621	2.304	1.937	1.340	0.933	1.629	1.459	
AA474408	0.031	0.947	-0.258	0.235	-0.665	-0.345	-1.205	-1.444	-1.039	-1.132	
Gm15724	0.007	0.943	1.068	1.334	0.752	1.119	0.125	-0.005	0.272	0.109	
Gm7536	0.022	0.943	3.186	3.293	3.569	2.698	2.244	2.205	2.290	2.236	
Rps6-ps4	0.027	0.940	6.246	6.321	6.485	5.933	5.306	5.165	5.738	5.016	
Rcbtb2	0.024	0.939	1.941	2.238	1.649	1.937	1.002	0.608	1.292	1.107	
Gm5805	0.027	0.939	2.648	2.580	2.715	2.649	1.709	1.375	2.248	1.505	
Rps27	0.034	0.938	5.830	6.080	5.987	5.422	4.891	4.472	5.028	5.173	
Tjp2	0.013	0.937	0.004	-0.058	0.222	-0.153	-0.934	-1.302	-0.808	-0.692	Up
Ntan1	0.042	0.936	2.358	2.447	2.700	1.927	1.422	1.114	1.304	1.848	
Usp25	0.033	0.936	1.380	1.306	1.818	1.015	0.444	0.097	0.601	0.634	Up
Gm2366	0.044	0.935	0.303	0.754	-0.289	0.444	-0.632	-0.747	-0.700	-0.451	
2610204G07Rik	0.047	0.931	1.034	0.865	1.231	1.007	0.103	0.627	0.130	-0.447	
Arhgef38	0.029	0.930	0.266	0.340	0.268	0.189	-0.664	-0.316	-1.208	-0.468	
Syne1	0.017	0.930	1.557	1.675	1.124	1.873	0.628	0.640	0.503	0.741	
Rplp1	0.020	0.929	2.595	2.516	3.050	2.218	1.666	1.704	1.726	1.568	
Fau	0.030	0.924	7.074	7.382	7.123	6.719	6.150	5.813	6.517	6.121	
Gm7729	0.034	0.923	2.542	2.749	2.756	2.121	1.619	1.247	1.949	1.659	
Magi1	0.049	0.918	0.251	0.622	0.501	-0.371	-0.667	-0.856	-0.624	-0.523	
Gm7803	0.031	0.916	2.324	2.239	2.689	2.045	1.409	1.182	1.818	1.226	
Ccdc125	0.044	0.913	0.604	0.777	0.422	0.615	-0.308	-0.769	-0.402	0.247	Up
Rps6-ps3	0.026	0.912	4.018	4.060	4.302	3.693	3.107	2.869	3.500	2.951	
Wrn	0.019	0.911	0.932	1.192	1.062	0.543	0.021	-0.184	-0.029	0.275	
Hnrnpa1	0.009	0.910	6.696	6.814	6.602	6.674	5.787	5.423	5.931	6.007	
Zfp101	0.000	0.908	1.592	1.632	1.495	1.649	0.685	0.642	0.799	0.613	
Gm6807	0.022	0.904	1.965	1.931	2.306	1.656	1.061	0.818	1.373	0.991	
Celf2	0.003	0.903	2.985	3.257	2.803	2.896	2.082	2.051	2.105	2.090	
Zdhhc9	0.007	0.901	0.472	0.736	0.497	0.182	-0.429	-0.443	-0.547	-0.299	
Pfkip	0.009	0.900	0.492	0.663	0.362	0.450	-0.408	-0.249	-0.231	-0.743	
Ppie	0.030	0.897	0.466	0.522	0.712	0.166	-0.430	-0.752	-0.006	-0.534	
Actg1	0.009	0.893	5.878	6.144	5.683	5.806	4.985	4.747	5.183	5.023	Up
Snrpe	0.031	0.891	6.289	6.222	6.532	6.114	5.398	4.916	5.664	5.614	
Gm13443	0.014	0.891	2.570	2.808	2.573	2.328	1.679	1.362	1.895	1.780	
Malt1	0.038	0.882	0.869	1.293	0.735	0.578	-0.014	-0.351	-0.004	0.313	
Spin2e	0.047	0.880	0.162	-0.332	0.682	0.136	-0.718	-0.683	-0.557	-0.913	
Rpl5-ps1	0.029	0.880	3.217	3.158	3.591	2.902	2.337	2.244	2.672	2.095	
Plekhf2	0.046	0.874	1.669	1.923	1.864	1.221	0.795	0.383	1.044	0.959	Up
Acot2	0.001	0.874	0.912	1.082	0.917	0.737	0.038	0.076	-0.055	0.094	Up
Gm8172	0.028	0.872	3.411	3.432	3.678	3.122	2.538	2.186	2.881	2.549	
Qk	0.048	0.872	3.532	3.781	3.781	3.034	2.660	2.293	2.860	2.827	
Rpl5	0.031	0.870	8.628	8.551	9.006	8.327	7.758	7.402	7.950	7.922	
Sirt1	0.029	0.869	2.462	2.603	2.405	2.379	1.593	1.461	2.080	1.240	Up
Gm10186	0.034	0.867	3.292	3.551	3.456	2.870	2.425	2.299	2.768	2.210	
Hspa8	0.022	0.866	8.558	8.728	8.570	8.374	7.692	7.345	8.083	7.647	Down
Gm10052	0.010	0.864	2.705	2.899	2.661	2.554	1.841	1.756	2.145	1.622	
Fam60a	0.011	0.864	4.168	4.128	3.872	4.505	3.304	3.354	3.178	3.380	
Fam162a	0.034	0.860	3.742	3.711	4.162	3.351	2.881	2.718	2.767	3.159	
Rab13	0.040	0.854	1.406	1.664	1.323	1.232	0.552	0.051	0.766	0.840	Up
Gm7206	0.031	0.852	0.801	0.810	0.677	0.918	-0.051	-0.404	0.436	-0.185	
Zfp125	0.027	0.850	1.060	0.840	0.884	1.456	0.210	0.503	0.123	0.005	
Mbtps2	0.049	0.838	3.198	3.504	3.439	2.650	2.360	2.293	2.591	2.196	
Zscan21	0.006	0.838	1.581	1.664	1.465	1.614	0.743	0.711	0.508	1.011	

Ogt	0.034	0.836	4.796	4.964	4.619	4.804	3.960	3.470	4.166	4.243	
Lmna	0.039	0.829	0.206	0.158	0.107	0.354	-0.623	-1.131	-0.495	-0.242	
Rpl17-ps5	0.044	0.828	3.394	3.333	3.842	3.005	2.565	2.273	2.675	2.747	
Ptp4a2	0.043	0.828	5.294	5.529	5.560	4.794	4.466	4.310	4.358	4.731	
Hmgb1	0.028	0.825	6.262	6.197	6.621	5.969	5.437	5.171	5.692	5.449	
Ugt8a	0.023	0.823	2.494	2.256	2.857	2.368	1.671	1.695	1.425	1.892	
Polq	0.011	0.822	1.401	1.653	1.467	1.085	0.579	0.726	0.508	0.504	
Acadl	0.032	0.820	2.107	2.147	2.088	2.085	1.287	0.781	1.514	1.566	Up
Rpl37a	0.038	0.816	5.187	5.278	5.345	4.940	4.372	3.960	4.376	4.778	
Ctps2	0.015	0.804	4.528	4.457	4.387	4.741	3.724	3.504	3.624	4.045	
Sdcbp	0.020	0.802	5.589	5.883	5.601	5.284	4.787	4.541	4.934	4.887	
Manea	0.020	0.798	0.450	0.728	0.394	0.229	-0.348	-0.540	-0.040	-0.463	
Rnf44	0.043	0.795	1.204	1.398	1.191	1.024	0.409	-0.068	0.524	0.771	Up
Rnf13	0.046	0.793	2.195	2.358	2.265	1.963	1.403	0.916	1.552	1.740	
Bcl2l1	0.018	0.792	0.612	0.941	0.351	0.543	-0.180	0.035	-0.310	-0.265	
Rps6	0.018	0.791	7.532	7.599	7.743	7.255	6.741	6.471	6.966	6.787	
Gm10020	0.034	0.787	3.429	3.552	3.736	2.999	2.642	2.544	2.866	2.516	
Glo1	0.049	0.787	3.743	4.029	3.721	3.480	2.957	2.551	2.963	3.356	Up
Ints10	0.047	0.786	2.325	2.773	2.094	2.107	1.539	1.227	1.614	1.776	
Cgn	0.040	0.784	0.938	1.233	1.145	0.437	0.154	0.169	0.024	0.269	
Rbms3	0.020	0.780	3.714	4.045	3.500	3.598	2.934	2.714	2.957	3.131	
Rps3a2	0.024	0.777	4.533	4.416	4.797	4.386	3.756	3.499	4.086	3.683	
Hs6st1	0.033	0.777	1.790	2.126	1.761	1.483	1.013	1.160	0.701	1.180	Up
Rpl21	0.035	0.775	5.700	5.824	5.653	5.623	4.925	4.455	5.081	5.240	
Dmd	0.030	0.767	3.445	3.363	3.799	3.175	2.679	2.708	2.421	2.907	
D130040H23Rik	0.030	0.766	1.489	1.233	1.821	1.412	0.723	0.543	0.600	1.026	
Upf3a	0.041	0.765	1.214	1.007	1.557	1.077	0.449	0.077	0.703	0.567	
A330023F24Rik	0.043	0.764	-0.984	-0.748	-1.383	-0.822	-1.748	-1.415	-1.901	-1.929	Up
Zbtb18	0.042	0.763	3.030	3.291	2.745	3.056	2.268	1.867	2.533	2.403	Up
Rpl34-ps1	0.027	0.762	4.251	4.336	4.391	4.025	3.488	3.131	3.788	3.545	
Fig4	0.003	0.762	-0.421	-0.587	-0.242	-0.435	-1.184	-1.224	-1.079	-1.248	
Zfp622	0.036	0.757	1.655	1.745	1.765	1.455	0.898	0.672	0.681	1.341	Up
Ammecr1	0.018	0.753	1.583	1.804	1.653	1.292	0.830	0.704	0.712	1.072	
Gm5141	0.033	0.751	-0.568	-0.791	-0.393	-0.518	-1.318	-1.287	-0.983	-1.685	
Clcn2	0.004	0.744	-0.343	-0.208	-0.472	-0.348	-1.086	-1.000	-1.277	-0.982	
1700066M21Rik	0.001	0.741	0.507	0.529	0.630	0.361	-0.234	-0.282	-0.244	-0.177	
G2e3	0.043	0.738	3.402	3.553	3.588	3.065	2.664	2.495	3.038	2.459	
Agrn	0.032	0.738	1.304	1.654	1.342	0.917	0.566	0.539	0.441	0.719	Up
Ftl1	0.047	0.737	4.088	4.392	4.103	3.767	3.351	2.979	3.545	3.528	
Galnt4	0.011	0.735	1.014	1.092	1.156	0.793	0.279	0.048	0.453	0.336	Up
Gltscr2	0.028	0.734	1.645	1.959	1.682	1.293	0.911	0.744	0.899	1.089	
Ttf2	0.013	0.725	-0.469	-0.616	-0.346	-0.445	-1.194	-1.466	-1.162	-0.954	
Cbfb	0.038	0.722	4.089	4.346	3.820	4.102	3.367	3.006	3.576	3.519	
Cdc42ep4	0.042	0.722	-0.469	-0.098	-0.744	-0.566	-1.191	-1.494	-1.061	-1.019	
Gm15453	0.002	0.720	4.552	4.495	4.702	4.459	3.832	3.827	3.933	3.736	
D10Jhu81e	0.037	0.718	0.449	0.760	0.304	0.282	-0.269	-0.460	0.077	-0.425	
Amotl1	0.029	0.716	1.435	1.358	1.775	1.171	0.718	0.502	0.732	0.921	Up
Sfpq	0.027	0.712	6.739	6.983	6.614	6.621	6.027	5.686	6.219	6.175	
Gm6104	0.013	0.711	2.565	2.409	2.783	2.503	1.854	1.614	2.007	1.940	
Slbp	0.031	0.708	4.692	4.779	4.946	4.350	3.984	3.748	4.034	4.169	
Copz1	0.032	-0.707	3.191	3.391	3.086	3.096	3.898	3.508	4.086	4.101	
Kras	0.027	-0.714	4.290	4.364	3.978	4.528	5.004	4.783	4.990	5.240	Up
Ctcf1	0.013	-0.716	-0.980	-0.895	-0.993	-1.053	-0.264	-0.455	0.055	-0.393	
2210019I11Rik	0.049	-0.716	0.993	1.309	0.928	0.742	1.710	1.321	1.932	1.876	
Rnf145	0.049	-0.718	2.828	2.983	2.410	3.092	3.546	3.272	3.607	3.760	
Zfp322a	0.020	-0.718	3.351	3.409	3.267	3.375	4.069	3.702	4.324	4.180	

Id4	0.044	-0.720	1.023	1.290	0.808	0.970	1.743	1.358	2.055	1.815	
Zfp236	0.034	-0.725	3.159	3.390	2.714	3.372	3.883	3.780	3.972	3.898	Up
Mdm4-ps	0.039	-0.725	0.027	0.173	-0.323	0.231	0.752	0.511	0.680	1.066	
Sec22a	0.002	-0.728	0.846	1.008	0.766	0.764	1.574	1.503	1.690	1.528	
Tti2	0.027	-0.729	-0.139	-0.082	-0.185	-0.151	0.590	0.389	1.012	0.369	
Arel1	0.047	-0.731	1.178	1.439	0.744	1.350	1.909	1.943	1.658	2.127	
Canx	0.032	-0.745	7.051	7.098	7.124	6.931	7.795	7.437	7.744	8.205	
Tmed7	0.027	-0.745	3.288	3.480	3.046	3.337	4.033	3.687	4.145	4.268	
Ndufb4	0.044	-0.748	3.045	3.099	3.044	2.993	3.794	3.360	4.247	3.775	
Pgrmc2	0.046	-0.750	2.285	2.523	1.933	2.397	3.034	2.668	3.117	3.319	
Gm13736	0.017	-0.750	3.819	3.926	4.008	3.523	4.569	4.337	4.733	4.637	
Ndufa1	0.021	-0.754	5.212	5.289	5.038	5.310	5.966	5.623	6.251	6.024	
Slc30a5	0.025	-0.754	2.688	2.873	2.582	2.609	3.442	3.071	3.521	3.733	
Aig1	0.037	-0.755	2.482	2.469	2.090	2.887	3.237	3.069	3.351	3.291	
Gm26981	0.022	-0.755	1.024	0.907	0.869	1.297	1.780	1.564	2.080	1.694	
Dhx32	0.040	-0.757	0.938	0.831	1.232	0.750	1.695	1.368	2.068	1.648	
Gm22907	0.018	-0.759	6.086	5.744	6.305	6.209	6.845	6.809	7.019	6.707	
Gm26268	0.018	-0.759	6.086	5.744	6.305	6.209	6.845	6.809	7.019	6.707	
Gm22625	0.018	-0.759	6.086	5.744	6.305	6.209	6.845	6.809	7.019	6.707	
Ufsp2	0.018	-0.760	3.752	3.703	3.624	3.928	4.511	4.610	4.173	4.751	
Erp44	0.031	-0.761	4.097	4.297	4.132	3.863	4.858	4.540	5.211	4.823	
Zfp708	0.013	-0.761	-1.369	-1.403	-1.108	-1.597	-0.608	-0.465	-0.820	-0.539	
AU022252	0.029	-0.761	-0.455	-0.372	-0.859	-0.136	0.306	0.151	0.320	0.447	
Ndufb8	0.032	-0.762	4.501	4.527	4.234	4.742	5.263	4.900	5.509	5.379	
Ckap4	0.039	-0.762	0.912	1.034	0.800	0.901	1.674	1.190	1.900	1.933	Up
Arhgef10	0.047	-0.763	-0.528	-0.861	-0.639	-0.085	0.235	-0.024	0.451	0.277	Up
Pea15a	0.017	-0.767	2.319	2.694	2.087	2.175	3.086	3.008	3.138	3.112	
Ufl1	0.013	-0.768	3.528	3.563	3.489	3.532	4.296	3.951	4.539	4.397	
Nrk	0.033	-0.769	-1.210	-1.064	-0.894	-1.671	-0.440	-0.539	-0.373	-0.409	
Akr1c13	0.028	-0.770	3.243	3.345	2.834	3.551	4.013	3.846	4.112	4.082	
Nckap1	0.041	-0.771	4.774	4.830	4.504	4.990	5.545	5.115	5.803	5.717	
Marveld3	0.034	-0.771	1.838	2.147	1.525	1.842	2.609	2.383	2.513	2.930	Up
Agbl3	0.018	-0.774	0.105	0.212	-0.265	0.368	0.879	0.890	0.767	0.979	
1700047117Rik2	0.021	-0.775	1.617	1.876	1.354	1.621	2.392	2.650	2.150	2.375	
A630007B06Rik	0.008	-0.775	3.812	3.894	3.679	3.862	4.587	4.309	4.771	4.680	
4933427D14Rik	0.030	-0.777	0.855	1.089	0.688	0.787	1.631	1.228	1.866	1.800	
Jmjd8	0.030	-0.778	1.426	1.573	1.382	1.322	2.204	1.778	2.535	2.298	
Tmem258	0.014	-0.780	4.870	4.984	4.827	4.799	5.651	5.379	5.592	5.981	
Cds2	0.031	-0.789	1.107	1.404	0.869	1.046	1.895	1.529	2.058	2.098	
Tspyl4	0.035	-0.789	0.939	1.170	0.503	1.144	1.728	1.478	1.834	1.873	
Gm15462	0.008	-0.791	-1.462	-1.237	-1.687	-1.462	-0.671	-0.851	-0.620	-0.541	
Sec61b	0.030	-0.793	4.754	5.091	4.714	4.458	5.547	5.243	5.636	5.763	
Gm8822	0.015	-0.794	2.279	2.546	1.998	2.292	3.073	2.850	3.235	3.134	
Trak1	0.042	-0.796	2.097	2.511	1.689	2.090	2.893	2.744	2.781	3.154	Up
Lss	0.002	-0.797	0.902	0.721	1.083	0.902	1.700	1.683	1.757	1.659	
Tada3	0.019	-0.803	0.418	0.621	0.218	0.413	1.221	1.571	1.075	1.017	
Rbm15b	0.026	-0.805	-0.437	-0.198	-0.663	-0.450	0.368	0.009	0.436	0.658	
Zfp169	0.030	-0.807	0.713	1.038	0.750	0.351	1.520	1.802	1.327	1.431	
Prorsd1	0.028	-0.810	0.800	0.944	0.561	0.896	1.610	1.719	1.903	1.208	
Hdac4	0.049	-0.810	-0.617	-0.053	-0.993	-0.804	0.193	0.111	0.252	0.217	
Bcl9	0.041	-0.810	2.471	2.913	2.006	2.495	3.281	3.172	3.239	3.432	
Atp7a	0.050	-0.811	2.862	3.257	2.371	2.958	3.673	3.411	3.836	3.772	
Pigo	0.044	-0.812	-1.219	-0.845	-1.750	-1.063	-0.408	-0.295	-0.436	-0.493	
Ctnnbip1	0.002	-0.812	1.200	1.301	1.054	1.244	2.011	1.868	2.138	2.028	
Pank1	0.037	-0.812	0.721	0.632	0.886	0.645	1.533	1.079	1.941	1.580	
Pdk1	0.020	-0.813	1.067	0.726	1.394	1.082	1.880	1.741	2.072	1.827	Up

4930528D03Rik	0.016	-0.814	-1.124	-1.312	-0.879	-1.181	-0.310	-0.125	-0.183	-0.622	
Gm5446	0.049	-0.816	-0.818	-0.312	-1.163	-0.980	-0.002	-0.197	-0.071	0.261	
Surf1	0.005	-0.817	1.313	1.595	1.180	1.163	2.130	2.094	2.203	2.093	
Gm21917	0.024	-0.818	-0.448	-0.203	-0.480	-0.660	0.370	0.030	0.392	0.687	
Foxred1	0.016	-0.818	0.681	0.894	0.694	0.456	1.499	1.280	1.814	1.402	
Xylt1	0.002	-0.818	-1.187	-1.031	-1.231	-1.300	-0.369	-0.212	-0.437	-0.457	
Gm15982	0.012	-0.820	1.836	2.117	1.589	1.802	2.656	2.442	2.784	2.741	
Tmc5	0.010	-0.820	2.914	3.111	2.888	2.742	3.734	3.810	3.457	3.936	
Ears2	0.006	-0.824	-0.362	-0.067	-0.501	-0.519	0.461	0.380	0.470	0.533	
Bcl2l2	0.038	-0.824	1.120	1.225	0.815	1.319	1.944	1.503	2.189	2.140	
Gm17228	0.015	-0.824	0.291	0.242	0.563	0.069	1.115	0.917	1.384	1.045	
Lca5	0.037	-0.824	-0.491	-0.381	-0.979	-0.112	0.333	0.287	0.231	0.482	
Trappc9	0.018	-0.825	-1.440	-1.290	-1.634	-1.396	-0.614	-0.764	-0.240	-0.839	
Pxmp4	0.034	-0.826	-0.573	-0.366	-0.888	-0.464	0.254	-0.149	0.388	0.522	Up
Tsga10	0.048	-0.826	2.501	2.529	2.080	2.892	3.327	3.015	3.342	3.625	Up
Bend7	0.033	-0.828	1.369	1.537	0.908	1.663	2.197	1.978	2.269	2.344	
Piga	0.028	-0.832	0.807	0.655	0.691	1.074	1.639	1.423	1.439	2.055	
Camta1	0.038	-0.833	2.862	2.875	2.757	2.954	3.695	3.199	4.114	3.771	
Hspa13	0.008	-0.835	3.255	3.436	3.107	3.224	4.091	3.817	4.261	4.195	
Extl2	0.023	-0.837	1.169	1.337	0.949	1.221	2.006	1.602	2.262	2.153	
Mrp63	0.006	-0.837	1.305	1.438	1.159	1.318	2.142	1.941	2.090	2.394	
Tvp23b	0.018	-0.838	4.927	4.929	4.795	5.056	5.764	5.360	5.983	5.950	
Tmem167	0.008	-0.841	1.883	1.967	1.766	1.916	2.724	2.465	3.018	2.688	
D17Wsu104e	0.026	-0.842	2.916	2.747	3.009	2.991	3.758	3.436	3.635	4.202	
Zfp738	0.007	-0.845	2.177	2.295	1.880	2.358	3.022	2.968	2.945	3.153	
Pfdn1	0.046	-0.847	-0.361	0.130	-0.630	-0.584	0.486	0.346	0.293	0.818	
Zfp458	0.034	-0.847	-0.176	-0.183	-0.542	0.197	0.671	0.791	0.869	0.354	
Ap3m1-ps	0.046	-0.848	-0.299	0.032	-0.514	-0.415	0.549	0.246	1.033	0.366	
Zfp583	0.029	-0.849	-0.340	-0.410	-0.297	-0.314	0.508	0.863	0.639	0.023	
Osbpl2	0.021	-0.849	1.455	1.779	1.108	1.476	2.303	2.469	2.378	2.062	
Arf3	0.037	-0.850	5.603	5.935	5.244	5.630	6.453	6.082	6.555	6.722	
Rwdd4a	0.042	-0.851	3.833	3.867	3.586	4.048	4.685	4.175	4.896	4.982	
Prnp	0.043	-0.852	3.003	2.952	2.657	3.399	3.854	3.460	4.053	4.050	
Adck2	0.048	-0.852	0.722	0.960	0.362	0.845	1.574	1.632	1.134	1.958	
Elovl6	0.015	-0.854	-0.117	-0.323	0.195	-0.222	0.737	0.542	0.670	1.001	
Zfyve21	0.044	-0.855	0.499	0.456	0.735	0.307	1.354	1.281	1.848	0.933	
Tbc1d30	0.046	-0.855	0.419	0.536	-0.005	0.726	1.274	1.139	1.007	1.675	
Med12l	0.038	-0.855	0.835	0.616	0.728	1.160	1.690	1.383	1.559	2.128	
Snx30	0.011	-0.859	0.685	0.951	0.579	0.523	1.543	1.275	1.624	1.732	
Nmnat1	0.029	-0.860	-1.882	-1.623	-2.297	-1.726	-1.022	-1.189	-0.724	-1.153	
Pdxdc1	0.037	-0.860	3.598	3.488	3.927	3.377	4.458	4.241	4.226	4.906	
Pttg1ip	0.006	-0.860	2.235	2.452	2.004	2.249	3.095	2.897	3.175	3.214	
Fam222a	0.023	-0.860	-1.197	-0.786	-1.409	-1.396	-0.337	-0.547	-0.128	-0.335	
Mtfr1l	0.045	-0.861	1.262	1.506	0.818	1.462	2.123	1.743	2.214	2.412	
Ddx50	0.026	-0.862	3.669	3.924	3.336	3.745	4.531	4.215	4.534	4.842	
AY036118	0.024	-0.864	-1.545	-1.288	-1.730	-1.616	-0.681	-0.468	-0.486	-1.089	Down
6430590A07Rik	0.010	-0.864	2.118	2.173	1.821	2.359	2.982	3.150	2.814	2.983	
Ttbk2	0.041	-0.865	1.670	1.728	1.183	2.098	2.535	2.297	2.641	2.667	
Cyp4f13	0.031	-0.865	0.248	0.681	0.108	-0.044	1.114	0.837	1.171	1.332	
Ubxn4	0.035	-0.866	3.929	4.102	3.553	4.132	4.795	4.396	5.052	4.937	
Sec61a1	0.011	-0.867	3.939	4.192	3.806	3.819	4.805	4.566	4.775	5.075	
C2cd5	0.039	-0.867	2.623	2.724	2.277	2.867	3.489	3.038	3.695	3.735	
Dennd4c	0.047	-0.867	3.300	3.549	2.863	3.487	4.167	3.751	4.309	4.441	
Syt16	0.030	-0.868	-0.072	0.136	-0.196	-0.156	0.795	0.331	0.921	1.134	
Ppp2r3a	0.027	-0.868	1.728	1.827	1.544	1.814	2.596	2.189	2.586	3.014	
Scfd1	0.025	-0.870	3.725	3.732	3.463	3.981	4.595	4.201	4.801	4.782	

Gm10031	0.029	-0.871	0.757	0.917	0.688	0.665	1.628	1.135	1.836	1.913	
Map2k2	0.003	-0.871	0.005	0.134	0.130	-0.250	0.876	0.895	0.918	0.815	
Pno1	0.012	-0.872	1.310	1.131	1.215	1.583	2.181	2.194	2.419	1.930	
Gosr2	0.047	-0.872	2.711	3.007	2.351	2.776	3.583	3.135	3.953	3.662	
Ret	0.037	-0.872	-0.007	0.188	-0.372	0.163	0.865	0.493	1.240	0.863	
Gm11889	0.020	-0.872	-1.528	-1.704	-1.186	-1.694	-0.655	-0.962	-0.453	-0.551	
Sod1	0.022	-0.875	7.362	7.441	7.451	7.195	8.237	7.788	8.399	8.522	
Memo1	0.014	-0.875	3.444	3.588	3.285	3.460	4.319	3.937	4.476	4.543	
Ssr3	0.016	-0.877	6.359	6.437	6.438	6.203	7.236	6.835	7.382	7.491	
Klhl22	0.039	-0.878	2.094	2.427	1.830	2.025	2.973	2.567	2.987	3.364	
Mttp	0.033	-0.879	-0.747	-0.804	-0.804	-0.632	0.132	-0.143	0.667	-0.127	
6720401G13Rik	0.003	-0.879	2.126	2.179	1.993	2.206	3.005	3.094	3.158	2.763	
Acvr1	0.027	-0.879	0.904	1.110	0.739	0.864	1.784	1.581	1.521	2.249	
Lrrc47	0.027	-0.879	1.639	1.919	1.353	1.645	2.518	2.118	2.730	2.708	
Fry	0.046	-0.880	-0.843	-0.438	-1.344	-0.746	0.037	-0.262	0.122	0.250	
Zc3h7a	0.021	-0.880	5.022	5.103	4.763	5.199	5.902	5.509	6.166	6.029	
Ndufv3	0.010	-0.880	2.615	2.827	2.692	2.326	3.495	3.288	3.511	3.687	
Glrx	0.034	-0.882	3.602	4.026	3.240	3.539	4.484	4.239	4.428	4.783	
Plekkg3	0.045	-0.882	0.019	0.500	-0.142	-0.299	0.901	0.550	0.973	1.180	Up
Serp1	0.032	-0.884	4.683	4.704	5.023	4.322	5.567	5.203	5.730	5.769	
Slc12a9	0.016	-0.887	-0.883	-0.658	-0.892	-1.100	0.004	-0.039	0.335	-0.286	
Ocel1	0.023	-0.887	-1.562	-1.099	-1.690	-1.896	-0.674	-0.538	-0.755	-0.730	
Copb2	0.014	-0.888	4.837	4.927	4.636	4.949	5.725	5.353	5.865	5.958	
Gm26617	0.009	-0.890	2.366	2.549	2.029	2.519	3.255	3.108	3.285	3.373	
Cenpv	0.000	-0.890	0.246	0.360	0.177	0.200	1.136	1.050	1.169	1.189	
Tapbpl	0.010	-0.890	1.115	1.248	0.959	1.137	2.005	1.727	1.958	2.330	
Abca5	0.045	-0.891	1.722	1.876	1.131	2.158	2.613	2.520	2.652	2.667	
Hyi	0.003	-0.891	1.083	1.177	1.210	0.862	1.974	1.804	2.012	2.106	
Ptprz1	0.042	-0.894	-0.967	-0.635	-1.553	-0.712	-0.073	-0.156	-0.137	0.075	
Hist1h1d	0.005	-0.895	0.257	0.149	0.286	0.335	1.152	0.966	1.448	1.040	
Hykk	0.019	-0.898	-0.814	-1.161	-0.552	-0.730	0.084	0.018	-0.142	0.376	
Rnf170	0.002	-0.899	2.072	2.107	1.869	2.239	2.971	2.914	2.885	3.112	
Rpn2	0.046	-0.900	4.345	4.631	4.155	4.250	5.245	4.719	5.667	5.351	
Gm18294	0.003	-0.903	-1.623	-1.703	-1.752	-1.416	-0.721	-0.629	-0.609	-0.924	
Ergic1	0.007	-0.903	1.873	1.666	2.143	1.810	2.776	2.672	2.669	2.986	
Tmem164	0.034	-0.903	2.611	2.939	2.510	2.385	3.515	3.075	3.865	3.604	
Stox2	0.029	-0.905	1.426	1.488	1.132	1.658	2.331	1.923	2.683	2.386	Up
Phyh	0.045	-0.906	3.601	3.928	3.037	3.838	4.506	4.232	4.683	4.604	
Slc6a6	0.050	-0.907	2.892	3.297	2.662	2.717	3.798	3.289	4.070	4.036	
Dad1	0.008	-0.907	2.954	3.129	2.928	2.805	3.861	3.547	4.003	4.032	
Slc39a13	0.017	-0.908	-0.225	-0.317	-0.120	-0.238	0.682	1.116	0.389	0.542	
Gm26945	0.021	-0.908	2.456	2.727	1.968	2.672	3.364	3.371	3.343	3.378	
Larp1b	0.015	-0.909	1.372	1.281	1.659	1.175	2.281	1.972	2.556	2.315	
Slc4a7	0.022	-0.910	2.308	2.564	2.015	2.346	3.219	2.869	3.528	3.259	
Gm10025	0.031	-0.914	3.679	3.444	3.538	4.054	4.593	4.765	4.184	4.829	
Panx1	0.037	-0.915	-1.330	-1.645	-1.582	-0.765	-0.416	-0.592	-0.320	-0.335	Down
Pgap1	0.029	-0.915	3.207	3.466	2.757	3.399	4.123	3.814	4.286	4.267	
Wdr34	0.039	-0.919	-0.949	-0.719	-1.303	-0.825	-0.030	0.347	0.052	-0.488	
Oat	0.026	-0.920	1.811	1.934	1.815	1.684	2.731	2.259	2.796	3.136	Down
Ap3m1	0.038	-0.920	2.166	2.293	1.675	2.530	3.086	2.828	3.380	3.052	
Pcsk6	0.037	-0.923	-1.617	-1.489	-2.026	-1.336	-0.694	-0.896	-0.261	-0.925	Up
F2rl1	0.027	-0.924	1.538	1.656	1.157	1.803	2.462	2.089	2.628	2.670	Up
Arhgef16	0.019	-0.924	-1.292	-1.396	-1.306	-1.174	-0.368	-0.837	-0.100	-0.167	Up
BC026590	0.022	-0.925	0.645	0.882	0.375	0.676	1.569	1.201	1.582	1.925	
2010012O05Rik	0.028	-0.926	0.503	0.930	0.008	0.571	1.429	1.496	1.485	1.306	
Edem2	0.013	-0.927	1.379	1.728	1.124	1.285	2.306	2.080	2.328	2.510	

Ap1s1	0.035	-0.929	1.113	1.466	0.797	1.075	2.041	1.900	1.742	2.482	
Mageh1	0.025	-0.930	4.692	4.733	4.369	4.975	5.622	5.220	5.844	5.802	
Daam1	0.031	-0.932	2.493	2.829	2.051	2.599	3.425	3.095	3.549	3.631	
Tspan13	0.010	-0.934	2.856	2.901	2.662	3.005	3.789	3.463	3.832	4.073	
Mis12	0.017	-0.935	2.778	2.719	2.941	2.675	3.713	3.269	3.956	3.913	
Rcan3	0.042	-0.935	2.541	3.051	2.158	2.415	3.476	3.133	3.693	3.602	
Stx5a	0.044	-0.935	3.533	3.929	3.080	3.590	4.468	4.054	4.666	4.686	
Gm26514	0.028	-0.936	0.714	0.831	0.287	1.022	1.650	1.371	1.952	1.627	
Ankzf1	0.034	-0.937	-0.366	-0.222	-0.477	-0.398	0.571	0.068	0.589	1.056	
Yif1a	0.039	-0.937	-1.637	-1.047	-2.074	-1.791	-0.700	-0.807	-0.632	-0.662	
Ccdc104	0.023	-0.940	4.370	4.647	3.943	4.519	5.310	5.058	5.308	5.563	
Gm5499	0.041	-0.941	-0.545	-0.539	-0.868	-0.227	0.396	-0.116	0.619	0.686	
Dnajc10	0.019	-0.942	5.667	5.882	5.319	5.802	6.609	6.268	6.756	6.804	
Six5	0.022	-0.943	-1.483	-1.524	-1.881	-1.045	-0.540	-0.384	-0.531	-0.707	Up
Zfp277	0.003	-0.945	2.250	2.207	2.063	2.479	3.194	3.243	3.029	3.311	
Golgb1	0.030	-0.945	4.289	4.415	3.900	4.552	5.235	4.827	5.385	5.492	
Spcs3	0.012	-0.946	4.171	4.161	4.181	4.170	5.117	4.690	5.383	5.278	
Zfp719	0.028	-0.947	0.774	0.692	0.364	1.265	1.721	1.527	1.787	1.849	
Pex26	0.031	-0.950	1.302	1.550	0.886	1.470	2.252	1.945	2.181	2.629	Up
Nipa1	0.016	-0.951	-0.762	-0.317	-0.922	-1.049	0.189	0.152	0.077	0.339	
Tbcb	0.024	-0.953	4.151	4.478	3.983	3.993	5.104	4.701	5.177	5.434	
2610524H06Rik	0.001	-0.953	2.677	2.826	2.702	2.504	3.630	3.599	3.779	3.514	
Fra10ac1	0.044	-0.954	1.963	2.085	1.715	2.089	2.917	2.411	2.875	3.466	
Dhrs4	0.042	-0.955	3.386	3.555	3.092	3.510	4.340	3.792	4.774	4.454	
Stt3a	0.015	-0.955	7.578	7.595	7.643	7.495	8.533	8.094	8.646	8.858	
Cerkl	0.007	-0.955	3.231	3.458	2.874	3.360	4.186	4.117	4.139	4.302	
Pofut2	0.036	-0.955	0.486	1.008	0.084	0.367	1.441	1.163	1.571	1.591	
Ufm1	0.034	-0.958	3.041	3.377	2.732	3.014	3.999	3.534	4.317	4.146	
BC037034	0.043	-0.962	-0.488	-0.421	-0.212	-0.829	0.474	0.315	0.102	1.005	
Gm13695	0.049	-0.963	-0.849	-0.570	-1.509	-0.468	0.114	0.060	0.297	-0.015	
Fabp3-ps1	0.037	-0.965	-2.227	-1.729	-2.533	-2.420	-1.262	-1.495	-1.398	-0.893	
AI597468	0.008	-0.966	4.184	4.338	3.891	4.323	5.150	4.893	5.311	5.244	
Gm14325	0.044	-0.968	1.590	1.363	1.544	1.862	2.557	2.389	2.145	3.138	
Smim1	0.016	-0.969	1.128	1.318	0.890	1.176	2.097	1.709	2.407	2.174	Down
Paqr9	0.011	-0.969	-0.881	-0.596	-1.282	-0.764	0.088	-0.038	0.118	0.185	
Calr	0.011	-0.970	6.276	6.363	6.252	6.213	7.246	6.826	7.428	7.483	
Clptm1l	0.045	-0.970	0.907	1.251	0.668	0.803	1.877	1.368	1.908	2.356	
Fam184a	0.007	-0.971	0.497	0.644	0.454	0.395	1.468	1.777	1.443	1.185	
Golga3	0.036	-0.971	2.032	2.327	1.588	2.181	3.003	2.672	2.924	3.413	
Ank2	0.032	-0.972	1.938	2.275	1.571	1.967	2.909	2.608	2.780	3.340	
Zfp952	0.045	-0.975	1.465	1.814	1.313	1.267	2.440	2.013	2.316	2.991	
Ccdc148	0.007	-0.977	0.447	0.352	0.256	0.733	1.424	1.365	1.235	1.671	
Sacs	0.005	-0.979	-0.210	0.067	-0.499	-0.198	0.768	0.629	0.855	0.821	Down
Tbl2	0.032	-0.980	0.981	1.154	0.964	0.826	1.961	1.398	2.145	2.341	
Zfp142	0.019	-0.980	1.591	1.697	1.185	1.890	2.571	2.284	2.642	2.786	
Abhd3	0.021	-0.980	0.379	0.714	0.158	0.267	1.360	1.300	1.041	1.738	
Gm10177	0.028	-0.983	2.637	2.412	2.965	2.534	3.620	3.168	3.985	3.708	
Mapk8ip3	0.041	-0.985	2.699	3.133	2.295	2.669	3.684	3.262	4.032	3.759	
Orc6	0.030	-0.985	1.541	1.469	1.394	1.760	2.526	2.407	2.115	3.056	
Lgalsl	0.010	-0.985	2.483	2.172	2.611	2.665	3.468	3.248	3.408	3.748	
Ssr2	0.025	-0.986	4.654	4.753	4.720	4.489	5.640	5.107	5.956	5.857	
Aff1	0.031	-0.986	1.610	2.141	1.348	1.341	2.596	2.345	2.846	2.598	
Slc35e3	0.016	-0.987	-0.646	-0.353	-0.729	-0.857	0.341	0.119	0.174	0.730	
Tmem219	0.007	-0.987	1.306	1.638	1.210	1.071	2.294	2.179	2.492	2.211	
2810425M01Rik	0.004	-0.989	-1.609	-1.626	-1.693	-1.509	-0.621	-0.882	-0.630	-0.350	
Bccip	0.015	-0.989	4.378	4.804	3.968	4.362	5.367	5.352	5.362	5.386	

Prkacb	0.019	-0.989	2.716	2.922	2.379	2.847	3.705	3.315	3.856	3.944	
Ube2g2	0.041	-0.992	1.117	1.394	0.740	1.215	2.109	1.570	2.427	2.330	
Selk	0.041	-0.995	5.429	5.618	4.964	5.705	6.424	5.942	6.669	6.661	
Ddost	0.025	-0.997	2.916	2.935	2.665	3.149	3.914	3.421	4.081	4.239	
Fkbp9	0.014	-0.998	2.364	2.607	2.206	2.279	3.361	2.979	3.421	3.685	
Cyb5d2	0.044	-0.998	-1.003	-1.114	-0.708	-1.187	-0.005	-0.439	-0.169	0.594	
Prdx3	0.043	-1.000	1.228	1.508	1.031	1.144	2.228	1.688	2.237	2.760	
Ccdc149	0.010	-1.008	-0.676	-0.633	-0.986	-0.409	0.332	0.236	0.144	0.615	
Prkar2b	0.013	-1.009	1.613	1.981	1.329	1.529	2.621	2.413	2.584	2.867	
Ftx	0.034	-1.009	1.044	1.318	1.091	0.723	2.053	1.715	2.582	1.862	
Zfp958	0.047	-1.010	-0.009	-0.332	0.204	0.102	1.001	0.400	1.464	1.140	
Prps1	0.029	-1.010	3.748	3.828	3.212	4.204	4.758	4.587	4.858	4.829	
Slc35b1	0.044	-1.010	2.805	3.152	2.242	3.021	3.815	3.542	3.701	4.203	
Wars	0.010	-1.011	1.124	1.287	0.931	1.154	2.135	1.765	2.427	2.213	
4833439L19Rik	0.036	-1.013	3.711	4.005	3.199	3.930	4.724	4.322	4.932	4.918	
Cage1	0.023	-1.014	-1.641	-1.292	-1.606	-2.026	-0.627	-0.792	-0.255	-0.834	
Vamp2	0.043	-1.015	3.475	3.908	2.931	3.587	4.491	4.110	4.604	4.759	
Sec11c	0.027	-1.016	5.463	5.461	5.381	5.546	6.478	5.898	6.705	6.832	
Sec14l1	0.045	-1.016	0.447	0.937	0.443	-0.039	1.463	1.038	1.646	1.706	
Rfk	0.009	-1.017	2.834	2.892	2.479	3.130	3.851	3.670	3.977	3.904	
Asb1	0.043	-1.018	-0.554	-0.315	-1.196	-0.152	0.464	0.514	0.231	0.646	
Steap2	0.005	-1.019	1.882	2.174	1.895	1.578	2.902	2.853	2.816	3.036	Up
Gm20463	0.004	-1.021	4.647	4.757	4.570	4.614	5.668	5.354	5.811	5.839	
Copa	0.028	-1.022	4.404	4.690	3.951	4.570	5.425	5.048	5.505	5.723	
Arhgef40	0.017	-1.023	0.503	0.957	0.191	0.360	1.525	1.362	1.465	1.749	
Atrip	0.035	-1.025	-1.298	-1.724	-0.687	-1.482	-0.273	-0.206	-0.154	-0.459	
A530032D15Rik	0.048	-1.026	-0.200	0.248	-0.920	0.070	0.826	0.780	0.875	0.823	
Sec31a	0.018	-1.027	4.966	5.100	4.901	4.895	5.992	5.480	6.258	6.239	
Ift20	0.009	-1.028	5.119	5.423	4.968	4.968	6.147	5.866	6.192	6.384	
Cuta	0.045	-1.029	2.787	3.019	2.582	2.758	3.815	3.145	4.129	4.171	
Sorbs2	0.018	-1.031	4.074	4.201	3.776	4.246	5.105	4.698	5.175	5.442	
Bicd1	0.025	-1.032	3.074	3.404	2.621	3.197	4.106	3.785	4.402	4.132	
Qtrtd1	0.016	-1.032	2.394	2.676	2.334	2.174	3.427	3.007	3.629	3.644	
Kcnk16	0.018	-1.032	1.339	1.637	0.933	1.446	2.371	2.137	2.289	2.687	
Rom1	0.039	-1.032	-1.525	-1.776	-1.888	-0.910	-0.492	-0.651	-0.210	-0.616	
Sec61g	0.035	-1.033	4.320	4.189	4.651	4.119	5.353	4.806	5.757	5.495	
Tspyl5	0.007	-1.034	0.166	0.355	-0.080	0.223	1.200	0.915	1.217	1.469	
Recql	0.017	-1.039	2.648	3.097	2.659	2.188	3.686	3.766	3.660	3.634	
Kdelr2	0.006	-1.040	3.143	3.277	3.265	2.887	4.183	3.901	4.234	4.413	
Vmac	0.014	-1.042	0.093	0.462	-0.274	0.090	1.135	0.868	1.235	1.302	
Mtmr4	0.017	-1.042	1.115	1.431	0.808	1.107	2.158	1.768	2.307	2.398	
Nav2	0.035	-1.042	3.817	4.112	3.240	4.099	4.859	4.530	5.028	5.021	Up
D130017N08Rik	0.010	-1.043	0.589	0.969	0.487	0.310	1.632	1.405	1.735	1.757	
Atp5g1	0.021	-1.044	2.505	2.764	2.518	2.233	3.549	3.078	3.727	3.841	
Bet1	0.014	-1.045	3.473	3.435	3.162	3.822	4.518	4.243	4.803	4.507	
Gm15965	0.015	-1.045	0.650	0.687	0.461	0.801	1.695	1.283	1.711	2.091	
BC068281	0.023	-1.046	-1.173	-1.460	-1.291	-0.767	-0.127	-0.419	-0.231	0.269	
Mapre3	0.037	-1.048	1.819	2.166	1.319	1.972	2.867	2.434	2.997	3.169	
Kctd12	0.046	-1.050	2.117	2.773	1.737	1.840	3.166	2.844	3.321	3.334	Up
S100a1	0.017	-1.050	1.152	1.588	0.962	0.905	2.202	2.023	2.507	2.075	Up
5031439G07Rik	0.009	-1.050	0.011	0.351	-0.255	-0.064	1.061	0.850	1.296	1.036	
Akap7	0.004	-1.053	2.169	2.040	2.444	2.023	3.222	3.314	3.345	3.007	
ULK3	0.020	-1.054	0.858	1.222	0.538	0.815	1.912	1.584	1.875	2.278	
Tbccd1	0.032	-1.054	-0.131	0.074	-0.129	-0.338	0.924	0.635	0.607	1.529	
Hivep3	0.013	-1.057	-0.057	-0.275	-0.020	0.125	1.000	0.864	0.707	1.430	
Gga2	0.027	-1.058	2.652	2.777	2.259	2.919	3.709	3.275	3.775	4.078	

Entpd7	0.002	-1.065	1.569	1.850	1.396	1.461	2.634	2.559	2.658	2.685	
Lyplal1	0.001	-1.066	3.013	3.164	2.803	3.071	4.079	3.955	4.113	4.169	
Dnajc24	0.029	-1.067	3.023	3.283	2.425	3.360	4.090	3.887	4.260	4.121	
Fkbp2	0.031	-1.067	4.169	4.067	4.498	3.942	5.236	4.679	5.590	5.440	
Sgpp2	0.003	-1.068	0.584	0.774	0.460	0.516	1.651	1.709	1.399	1.845	
Tenm3	0.007	-1.069	0.336	0.264	0.079	0.663	1.404	1.188	1.597	1.428	Up
Rint1	0.039	-1.072	1.872	2.053	2.217	1.348	2.945	2.773	2.650	3.411	
Eif5a2	0.014	-1.073	0.097	-0.031	0.165	0.157	1.170	0.674	1.426	1.409	
Slc33a1	0.015	-1.073	1.679	1.824	1.510	1.703	2.752	2.293	3.138	2.825	
Kcnj11	0.006	-1.077	-0.826	-0.563	-1.072	-0.843	0.251	0.123	0.105	0.524	
Pigr	0.011	-1.078	-0.843	-0.880	-0.629	-1.019	0.235	0.657	0.080	-0.031	Up
Pkp4	0.009	-1.079	3.472	3.296	3.795	3.323	4.551	4.243	4.643	4.767	
Slc35b4	0.003	-1.080	1.446	1.725	1.217	1.397	2.526	2.467	2.698	2.414	
Fhod3	0.031	-1.081	-1.041	-1.335	-1.326	-0.462	0.039	-0.261	0.107	0.273	Up
Prep	0.009	-1.083	1.307	1.344	1.483	1.095	2.391	2.047	2.732	2.394	Up
Ppm1l	0.027	-1.084	1.414	1.719	0.824	1.700	2.499	2.256	2.610	2.629	
Bpnt1	0.018	-1.085	1.571	1.859	1.130	1.725	2.656	2.377	2.638	2.953	
Nme6	0.021	-1.086	-0.135	-0.034	-0.652	0.283	0.951	0.746	1.121	0.987	Up
Dctn1	0.009	-1.088	1.476	1.309	1.345	1.775	2.564	2.491	2.301	2.902	
Gm20632	0.012	-1.091	-1.912	-1.870	-1.919	-1.946	-0.821	-0.882	-1.214	-0.367	
Epb4.1l1	0.030	-1.091	0.256	0.488	-0.181	0.460	1.347	1.248	1.815	0.977	
Clstn1	0.018	-1.091	-0.991	-0.906	-0.951	-1.115	0.100	-0.398	0.145	0.554	
Pou5f2	0.033	-1.094	0.198	-0.415	0.459	0.550	1.292	1.569	1.267	1.041	
Aph1a	0.039	-1.098	0.012	0.152	-0.407	0.291	1.109	0.525	1.454	1.350	
Tmem180	0.015	-1.098	-1.774	-1.569	-1.482	-2.272	-0.676	-0.859	-0.652	-0.518	
Kctd11	0.032	-1.098	0.563	0.997	0.323	0.370	1.661	1.142	1.993	1.849	
Fam101b	0.019	-1.099	0.752	0.495	0.843	0.918	1.851	1.341	2.158	2.053	
Gpr180	0.006	-1.104	-0.313	-0.546	-0.046	-0.348	0.790	0.556	0.752	1.063	
Ift27	0.046	-1.105	-1.409	-1.297	-0.976	-1.956	-0.304	-0.233	-0.781	0.101	
Slc9a7	0.037	-1.106	1.852	2.141	1.279	2.137	2.958	2.537	3.248	3.089	
Smim14	0.014	-1.106	3.021	3.092	2.617	3.353	4.126	3.951	4.423	4.005	
Hspa5	0.018	-1.109	7.972	8.053	7.597	8.266	9.081	8.666	9.229	9.349	
Abtb2	0.005	-1.111	-1.751	-1.875	-1.658	-1.719	-0.640	-0.746	-0.271	-0.902	Up
Dzip1	0.026	-1.111	-1.785	-1.261	-2.150	-1.943	-0.674	-0.953	-0.716	-0.351	
Srgap1	0.033	-1.111	0.917	1.265	0.686	0.800	2.028	1.478	2.096	2.510	Up
Zdhhc24	0.028	-1.112	2.763	3.249	2.356	2.685	3.875	3.616	3.734	4.275	
Zfp949	0.025	-1.113	2.689	2.497	2.448	3.122	3.802	3.570	3.566	4.271	
Slc16a12	0.027	-1.117	1.922	2.130	1.383	2.253	3.038	2.686	3.126	3.304	
Tmem243	0.021	-1.117	-0.184	0.195	-0.762	0.015	0.933	1.065	0.900	0.834	Up
Kazn	0.022	-1.119	-0.038	0.241	0.255	-0.610	1.081	1.002	1.306	0.934	Up
Slc30a7	0.013	-1.120	0.638	0.963	0.381	0.570	1.758	1.357	1.924	1.993	
Bet1l	0.045	-1.124	-0.790	-0.113	-0.817	-1.441	0.334	0.321	0.210	0.471	
B830012L14Rik	0.012	-1.126	3.064	3.373	2.666	3.151	4.190	3.951	4.459	4.159	
Arl16	0.012	-1.127	-0.272	-0.393	-0.100	-0.324	0.855	0.824	0.457	1.285	
Sec23b	0.039	-1.128	2.896	3.274	2.413	3.001	4.024	3.747	3.754	4.572	
4930565N06Rik	0.015	-1.133	3.211	3.244	2.731	3.659	4.344	4.276	4.476	4.280	
Zfp956	0.037	-1.133	-0.843	-0.413	-0.916	-1.201	0.290	-0.062	0.074	0.857	
Srpr	0.032	-1.137	3.332	3.833	2.973	3.189	4.468	4.078	4.898	4.430	
St6galnac6	0.049	-1.138	-0.417	0.076	-0.567	-0.760	0.721	0.333	0.478	1.353	
Lman1	0.008	-1.139	4.322	4.394	4.335	4.237	5.461	5.015	5.603	5.764	
Tram1	0.009	-1.141	4.031	3.982	4.218	3.894	5.172	4.730	5.360	5.427	
Pced1b	0.006	-1.142	-0.640	-0.865	-0.709	-0.347	0.501	0.212	0.653	0.639	
Lin7a	0.039	-1.142	-1.434	-1.647	-1.440	-1.216	-0.292	-0.375	0.361	-0.863	
Cdpf1	0.033	-1.145	-1.539	-0.950	-1.738	-1.928	-0.394	-0.781	-0.280	-0.120	
Tmem203	0.031	-1.149	-0.584	-0.660	-0.326	-0.766	0.565	-0.044	0.664	1.075	
Nbas	0.045	-1.152	1.595	1.775	0.984	2.025	2.747	2.270	2.860	3.110	

Cfb	0.042	-1.153	-1.811	-2.275	-1.939	-1.218	-0.658	-1.133	-0.413	-0.426	
Gm26742	0.017	-1.154	-0.250	0.211	-0.593	-0.370	0.903	0.877	0.633	1.199	
Pag1	0.010	-1.154	1.061	1.162	1.089	0.932	2.216	1.770	2.289	2.588	
Parp8	0.031	-1.156	1.730	2.073	1.182	1.935	2.886	2.521	2.854	3.282	
Car8	0.013	-1.157	0.781	0.679	0.676	0.988	1.937	1.499	1.949	2.364	
Gm26773	0.014	-1.157	0.227	0.351	-0.255	0.584	1.384	1.377	1.185	1.589	
Gmppb	0.033	-1.158	-0.865	-1.467	-0.330	-0.799	0.293	0.009	0.509	0.360	
Ppp1r2-ps1	0.033	-1.161	-2.109	-2.293	-1.735	-2.300	-0.948	-1.074	-0.358	-1.413	
Lrrc1	0.008	-1.162	1.744	1.915	1.887	1.430	2.906	2.680	2.793	3.246	
E230016M11Rik	0.032	-1.163	-0.583	-0.163	-0.793	-0.793	0.580	0.951	-0.001	0.788	
Ncam1	0.036	-1.164	1.134	1.512	0.414	1.478	2.299	2.138	2.264	2.494	Down
Cltb	0.049	-1.164	0.987	1.396	0.422	1.143	2.151	1.558	2.437	2.458	
Rab33b	0.008	-1.164	1.713	1.899	1.409	1.831	2.877	2.510	3.033	3.088	
St3gal5	0.011	-1.168	3.035	3.258	3.195	2.653	4.203	3.867	4.463	4.280	
H2-Q7	0.027	-1.168	-0.393	-0.453	-0.110	-0.614	0.775	1.284	0.825	0.218	Up
Fam171b	0.036	-1.169	-1.741	-1.420	-2.347	-1.457	-0.573	-1.020	-0.362	-0.336	
Ank	0.050	-1.169	2.198	2.443	1.578	2.572	3.367	2.828	3.489	3.784	
Alkbh6	0.046	-1.170	1.080	1.517	0.351	1.373	2.250	1.885	2.450	2.415	
Gfpt1	0.018	-1.170	4.660	4.812	4.268	4.898	5.830	5.378	6.024	6.087	
Gm11821	0.035	-1.171	-1.916	-1.789	-2.330	-1.631	-0.745	-0.872	-0.162	-1.200	
Zbtb25	0.012	-1.173	-1.714	-1.943	-1.603	-1.596	-0.541	-0.952	-0.113	-0.558	
Ift81	0.022	-1.176	3.573	3.952	2.988	3.778	4.749	4.495	4.924	4.828	
Slc22a17	0.041	-1.177	-0.496	0.047	-1.040	-0.494	0.681	0.239	0.732	1.072	
Cyb5b	0.006	-1.179	3.254	3.229	3.237	3.295	4.432	4.014	4.530	4.753	
Gm6611	0.015	-1.180	-0.804	-0.401	-1.325	-0.686	0.376	0.214	0.361	0.552	
Gm12231	0.001	-1.183	-1.132	-0.934	-1.241	-1.221	0.051	0.120	-0.133	0.165	
9530051G07Rik	0.050	-1.183	-0.838	-0.732	-0.885	-0.897	0.345	-0.497	0.797	0.735	
Pdia6	0.021	-1.183	4.606	4.725	4.386	4.705	5.789	5.217	5.909	6.241	
5330434G04Rik	0.009	-1.183	0.426	0.617	0.031	0.629	1.609	1.734	1.777	1.317	Down
Mns1	0.008	-1.184	1.793	1.725	2.129	1.525	2.977	2.659	3.161	3.112	
Jagn1	0.013	-1.192	2.975	3.513	2.659	2.754	4.168	4.027	4.238	4.239	
Unc5c	0.025	-1.194	0.106	-0.071	-0.195	0.585	1.300	0.915	1.750	1.235	
Zfp273	0.034	-1.195	-1.093	-0.765	-1.480	-1.034	0.102	-0.510	0.283	0.532	
Commd6	0.038	-1.195	1.792	1.968	1.813	1.594	2.986	2.232	3.374	3.354	
Adam22	0.004	-1.196	1.237	1.070	1.285	1.357	2.434	2.138	2.769	2.394	
C030006K11Rik	0.016	-1.197	-1.559	-1.320	-1.931	-1.426	-0.362	-0.799	-0.021	-0.266	
Scg5	0.032	-1.202	3.817	4.137	3.490	3.822	5.018	4.373	5.377	5.305	
Uba5	0.007	-1.203	2.745	2.949	2.499	2.785	3.947	3.559	4.073	4.210	
Pvrl1	0.014	-1.203	0.070	0.464	-0.058	-0.197	1.273	0.900	1.302	1.616	
Casc4	0.024	-1.204	4.094	4.536	3.587	4.159	5.298	5.061	5.136	5.697	
Slc35f1	0.045	-1.204	-1.474	-1.446	-1.740	-1.235	-0.270	-0.234	0.388	-0.963	Down
Creb3l2	0.025	-1.204	0.772	1.051	0.614	0.650	1.976	1.348	2.243	2.336	
Mia3	0.020	-1.208	3.222	3.313	2.982	3.371	4.430	3.836	4.757	4.697	
Arfgap3	0.014	-1.209	0.996	1.083	0.638	1.267	2.205	1.859	2.140	2.616	
Aptx	0.003	-1.212	-0.002	0.351	-0.292	-0.067	1.209	1.176	1.221	1.231	
Naga	0.029	-1.212	0.560	1.032	0.018	0.629	1.772	1.351	1.924	2.040	
Tulp3	0.031	-1.212	0.750	1.257	0.045	0.949	1.963	1.941	1.834	2.112	
Cnst	0.047	-1.215	1.579	2.081	0.849	1.807	2.794	2.706	2.486	3.191	
Zfp185	0.015	-1.215	0.093	0.352	-0.083	0.008	1.308	0.791	1.451	1.682	Up
Cxx1c	0.033	-1.220	-0.641	-0.231	-1.195	-0.497	0.579	0.729	0.914	0.093	
Ap2a1	0.034	-1.221	-0.573	-0.970	-0.038	-0.710	0.649	0.606	1.131	0.208	
Rbm20	0.037	-1.222	-2.489	-2.658	-3.001	-1.809	-1.268	-1.294	-1.569	-0.941	
Meg3	0.031	-1.222	6.385	6.729	5.723	6.702	7.607	7.276	7.674	7.871	
Cyfp2	0.037	-1.223	1.928	2.453	1.297	2.034	3.151	2.744	3.420	3.289	
Rian	0.026	-1.229	7.842	8.158	7.349	8.020	9.071	8.587	9.200	9.425	
2610301B20Rik	0.013	-1.232	1.876	1.776	2.005	1.846	3.108	3.262	2.569	3.494	

Gm14703	0.038	-1.234	1.313	1.580	0.627	1.733	2.547	2.207	2.919	2.515	
Pex5l	0.017	-1.234	2.384	2.810	1.861	2.480	3.617	3.342	3.854	3.657	Up
Gm21967	0.010	-1.240	-0.708	-0.338	-0.615	-1.172	0.532	0.370	0.765	0.461	
Gm15716	0.009	-1.241	2.197	1.970	2.606	2.015	3.438	3.548	3.644	3.121	
Gm5	0.001	-1.241	1.111	1.199	1.050	1.082	2.352	2.488	2.065	2.503	
Hist2h2bb	0.027	-1.242	0.825	1.124	0.904	0.446	2.067	1.531	2.576	2.093	
Gm12404	0.042	-1.244	-0.272	-0.409	-0.589	0.183	0.972	1.417	0.277	1.222	Up
Igsf5	0.034	-1.244	1.136	1.530	0.506	1.371	2.380	1.994	2.787	2.360	
Gm9964	0.008	-1.245	0.093	-0.116	-0.160	0.556	1.338	1.401	1.123	1.491	
Tns3	0.006	-1.246	1.363	1.413	1.372	1.303	2.609	2.201	2.636	2.988	
Cmas	0.012	-1.247	3.540	3.686	3.396	3.537	4.787	4.249	5.092	5.021	
Tmod1	0.034	-1.248	-1.163	-1.539	-1.099	-0.851	0.085	-0.063	-0.418	0.735	
Anp32-ps	0.030	-1.249	0.312	0.048	0.244	0.643	1.560	1.851	0.892	1.938	
Pi4k2a	0.049	-1.250	-1.316	-0.670	-2.050	-1.229	-0.066	-0.446	0.031	0.218	
Dnm3os	0.035	-1.251	-2.622	-2.335	-2.500	-3.033	-1.372	-1.452	-0.749	-1.914	
C630020P19Rik	0.007	-1.257	0.602	0.254	0.498	1.054	1.859	1.763	1.835	1.979	
Nucb1	0.004	-1.259	1.042	0.747	1.178	1.200	2.301	2.261	2.053	2.588	
Ppm1e	0.007	-1.259	0.664	0.744	0.669	0.580	1.924	1.561	2.382	1.830	
Uqcc1	0.025	-1.263	1.173	1.763	0.561	1.196	2.437	2.546	2.544	2.220	
Por	0.034	-1.265	2.839	3.318	2.281	2.918	4.104	3.607	4.207	4.497	
ExpH5	0.022	-1.267	0.945	1.288	0.365	1.183	2.212	1.826	2.446	2.365	
Pdia3	0.010	-1.267	6.857	6.867	6.603	7.101	8.124	7.661	8.309	8.402	
Hdac4	0.043	-1.269	-1.042	-0.428	-0.969	-1.730	0.227	0.595	-0.153	0.237	
Gm15613	0.048	-1.271	1.277	1.998	0.457	1.377	2.548	2.581	2.618	2.446	
Kcnmb2	0.036	-1.272	1.309	1.221	0.828	1.878	2.581	2.058	2.721	2.965	Up
Dnajb11	0.009	-1.275	6.591	6.556	6.619	6.597	7.866	7.333	8.148	8.116	
Suox	0.040	-1.275	1.895	2.319	1.185	2.181	3.171	2.712	3.334	3.465	
Adh1	0.023	-1.276	-0.623	-0.099	-1.056	-0.716	0.652	1.097	0.432	0.428	Up
Bnip1	0.030	-1.276	0.126	0.780	-0.325	-0.077	1.402	1.067	1.407	1.730	
Ubxn10	0.034	-1.277	-0.446	-0.236	-0.490	-0.614	0.831	0.073	1.365	1.055	
Cox18	0.014	-1.280	0.430	0.658	0.074	0.557	1.709	1.259	1.765	2.103	
Slc38a4	0.021	-1.280	2.665	2.531	3.114	2.350	3.945	3.477	3.982	4.376	
Tada2b	0.008	-1.283	0.166	0.606	-0.287	0.179	1.448	1.373	1.428	1.544	Up
Gm4353	0.041	-1.283	-1.832	-1.425	-2.562	-1.510	-0.549	-0.829	-0.090	-0.727	
Zeb1	0.034	-1.284	1.992	1.826	1.481	2.668	3.276	2.985	3.659	3.183	
Frmd5	0.003	-1.288	0.274	0.483	-0.049	0.387	1.561	1.329	1.597	1.758	
Glb1l2	0.018	-1.289	2.288	2.601	1.737	2.526	3.577	3.213	3.794	3.722	
Ccdc176	0.008	-1.292	1.122	1.584	0.728	1.054	2.414	2.390	2.578	2.276	
Dnajc3	0.001	-1.294	3.746	3.771	3.779	3.689	5.040	4.730	5.228	5.161	
Uso1	0.010	-1.294	3.451	3.688	3.058	3.606	4.745	4.358	4.857	5.020	
Jakmip1	0.009	-1.295	-1.029	-1.203	-0.598	-1.285	0.267	0.380	-0.050	0.470	
Mum1	0.035	-1.297	0.898	0.511	1.442	0.742	2.195	1.736	2.073	2.776	
Ksr2	0.021	-1.297	0.049	0.166	-0.467	0.448	1.346	0.895	1.573	1.570	
Tpgs2	0.003	-1.299	-0.577	-0.235	-0.709	-0.788	0.721	0.905	0.542	0.717	
D2hgdh	0.004	-1.300	-1.105	-1.018	-0.961	-1.334	0.195	0.473	0.273	-0.160	
Rtl1	0.030	-1.301	-1.032	-0.497	-1.500	-1.098	0.269	-0.151	0.196	0.761	
Ostc	0.002	-1.305	3.660	3.751	3.521	3.707	4.964	4.626	5.070	5.197	
Tssc4	0.022	-1.306	0.978	1.255	0.768	0.911	2.284	1.669	2.404	2.778	
Pclo	0.011	-1.306	-0.270	-0.539	-0.540	0.269	1.037	1.271	0.963	0.876	
Grk5	0.049	-1.309	-0.047	0.429	-0.801	0.232	1.262	0.907	1.796	1.083	
Hsp90b1	0.003	-1.310	9.981	9.772	10.050	10.121	11.290	10.970	11.401	11.500	
Gm21839	0.009	-1.311	0.129	0.514	-0.120	-0.007	1.440	1.316	1.822	1.181	
Cerk	0.014	-1.311	-2.463	-2.383	-2.687	-2.319	-1.152	-1.530	-1.351	-0.575	Down
Larp1b	0.009	-1.318	-0.873	-1.149	-0.698	-0.773	0.445	0.266	0.147	0.922	
Plekhh1	0.021	-1.319	-1.694	-1.637	-1.899	-1.545	-0.375	-1.014	-0.249	0.139	Up
Rhox8	0.017	-1.321	-2.691	-3.069	-2.288	-2.715	-1.369	-0.997	-1.848	-1.264	

C330018A13Rik	0.003	-1.321	-2.109	-1.970	-2.452	-1.906	-0.788	-0.559	-0.940	-0.864	
Zfp54	0.035	-1.327	0.573	0.148	0.157	1.415	1.900	1.899	1.814	1.987	
Gm15063	0.047	-1.328	-0.159	-0.439	-0.746	0.707	1.168	0.881	1.255	1.370	
Gcat	0.009	-1.329	-2.240	-2.347	-1.951	-2.422	-0.911	-1.370	-0.583	-0.781	
BC029214	0.029	-1.329	-1.435	-1.079	-1.083	-2.141	-0.105	0.006	0.145	-0.467	
Gm15138	0.009	-1.331	-0.404	-0.138	-0.679	-0.395	0.927	1.342	0.909	0.529	
Zfp523	0.015	-1.332	-2.398	-2.243	-1.932	-3.019	-1.066	-0.985	-1.084	-1.128	
Tdp1	0.004	-1.333	0.028	0.101	-0.283	0.267	1.362	1.653	1.223	1.209	
Tubb2a	0.022	-1.335	3.750	3.980	3.335	3.937	5.085	4.489	5.340	5.427	
Npnt	0.005	-1.341	1.534	1.495	1.308	1.800	2.875	2.506	3.031	3.088	
Tshz1	0.028	-1.344	1.699	2.066	1.120	1.911	3.043	2.500	3.290	3.338	
Slc7a14	0.047	-1.346	2.764	2.970	1.933	3.390	4.110	3.716	4.293	4.322	
Lonrf2	0.006	-1.346	-0.157	0.259	-0.216	-0.516	1.188	0.988	1.294	1.283	
Anapc7	0.031	-1.346	0.546	0.661	0.081	0.896	1.893	1.226	2.287	2.165	
Ube2s	0.050	-1.349	0.384	0.912	0.036	0.203	1.733	0.961	2.324	1.914	
Zfp568	0.014	-1.350	2.608	2.818	2.154	2.853	3.959	3.504	4.130	4.242	Up
Syne4	0.024	-1.354	0.110	0.055	0.545	-0.269	1.465	1.300	1.043	2.051	
Ppil6	0.042	-1.355	1.986	2.043	1.453	2.461	3.341	3.211	2.800	4.012	
Dnajb9	0.005	-1.355	4.079	4.173	3.935	4.130	5.434	4.977	5.664	5.662	
Pde9a	0.015	-1.358	-0.715	-0.151	-0.803	-1.191	0.643	0.737	0.808	0.385	
Uhrf1bp1	0.033	-1.358	-0.996	-0.646	-1.514	-0.829	0.362	0.206	-0.123	1.004	Up
Mpp3	0.008	-1.360	-0.298	0.060	-0.249	-0.704	1.062	0.793	1.010	1.384	Down
Aldh5a1	0.001	-1.360	2.391	2.394	2.260	2.519	3.751	3.485	3.786	3.983	Down
Akr1c12	0.024	-1.360	3.668	3.593	3.165	4.247	5.028	4.597	5.171	5.317	
Thsd4	0.032	-1.360	0.414	0.743	-0.226	0.726	1.775	1.453	2.315	1.556	
Cntn4	0.042	-1.362	-0.587	-0.547	-1.180	-0.034	0.775	0.159	0.907	1.258	
Arhgap26	0.010	-1.362	2.398	2.917	1.911	2.365	3.759	3.669	3.836	3.773	
Vldlr	0.021	-1.365	0.746	1.273	0.097	0.869	2.112	1.859	2.247	2.229	
Alpk2	0.035	-1.366	-1.882	-1.650	-2.277	-1.718	-0.516	-1.283	-0.256	-0.010	
Slc7a2	0.042	-1.368	4.142	4.333	3.322	4.770	5.509	5.188	5.564	5.777	Up
Crb1	0.026	-1.370	-2.149	-1.450	-2.777	-2.221	-0.779	-0.619	-0.937	-0.781	
AI480526	0.005	-1.372	2.221	2.611	1.788	2.263	3.593	3.505	3.629	3.643	
Gm10717	0.047	-1.373	5.132	4.486	5.318	5.592	6.505	7.208	6.154	6.153	
Cecr5	0.047	-1.374	-0.021	0.325	-0.844	0.455	1.352	1.599	0.850	1.607	
Mblac2	0.016	-1.374	0.058	0.147	-0.348	0.375	1.432	0.995	1.391	1.911	
Fmo1	0.003	-1.375	2.285	2.368	2.551	1.937	3.660	3.503	3.656	3.821	
Mettl18	0.021	-1.379	0.260	0.453	0.557	-0.230	1.639	1.144	1.653	2.118	
Akap6	0.002	-1.380	-1.819	-1.759	-1.592	-2.105	-0.438	-0.322	-0.653	-0.340	Up
Mafg	0.034	-1.381	1.660	2.103	0.917	1.959	3.041	2.626	3.081	3.416	
Dzank1	0.017	-1.382	0.302	0.398	0.273	0.234	1.684	2.004	0.985	2.063	
Gm15813	0.043	-1.383	-2.790	-3.305	-2.939	-2.125	-1.407	-1.391	-1.972	-0.858	
Fmn2	0.009	-1.383	0.306	0.369	-0.229	0.778	1.689	1.708	1.703	1.656	
RP23-103l12.13	0.012	-1.387	0.015	0.522	-0.577	0.101	1.403	1.384	1.443	1.381	
Doc2b	0.022	-1.391	-0.801	-0.294	-1.149	-0.960	0.590	0.115	0.571	1.085	
Thyn1	0.009	-1.392	1.378	1.201	1.824	1.108	2.770	2.414	2.820	3.075	
Fzd7	0.025	-1.396	1.129	1.035	1.842	0.509	2.525	2.381	2.696	2.496	Up
Celf4	0.032	-1.396	0.476	0.936	-0.271	0.763	1.872	1.510	2.251	1.854	
Gm17103	0.009	-1.396	1.849	1.505	1.809	2.232	3.245	2.875	3.256	3.603	
Dlc1	0.010	-1.397	0.309	0.337	-0.161	0.752	1.706	1.416	1.923	1.778	Up
Limk1	0.036	-1.397	-1.418	-2.222	-0.930	-1.103	-0.021	0.320	-0.355	-0.029	
Entpd3	0.048	-1.398	1.756	2.314	0.873	2.081	3.154	2.749	3.213	3.500	
Surf4	0.020	-1.398	2.538	2.924	2.170	2.520	3.936	3.355	4.083	4.371	
Ush1c	0.017	-1.400	0.867	1.037	0.309	1.255	2.267	1.946	2.203	2.651	
Fkbp14	0.014	-1.400	1.511	1.956	0.905	1.672	2.912	2.684	2.947	3.105	
Usp51	0.037	-1.409	-0.038	-0.272	-0.391	0.550	1.372	0.679	1.655	1.783	
Scamp4	0.026	-1.411	-1.355	-0.809	-1.338	-1.919	0.056	-0.175	-0.220	0.562	

Gpr119	0.018	-1.411	0.098	0.045	-0.390	0.639	1.509	1.193	1.898	1.437	Up
Gng4	0.008	-1.411	2.606	2.497	2.633	2.688	4.017	3.448	4.326	4.278	Down
Sgsm3	0.036	-1.416	-1.157	-0.498	-1.911	-1.063	0.259	0.254	-0.083	0.605	
Gm9803	0.013	-1.417	-1.288	-1.344	-1.241	-1.280	0.129	-0.530	0.359	0.557	
2900076A07Rik	0.007	-1.420	1.859	2.380	1.577	1.621	3.280	3.224	3.463	3.152	Up
Gm9001	0.003	-1.420	-0.904	-1.042	-0.524	-1.147	0.516	0.500	0.684	0.365	
Rps6ka2	0.048	-1.422	-0.421	-0.021	-1.290	0.049	1.001	0.504	1.151	1.348	
Sult1d1	0.005	-1.422	0.546	0.478	0.197	0.963	1.968	1.724	2.022	2.159	Up
Rab27a	0.022	-1.424	2.932	3.326	2.457	3.013	4.355	3.780	4.768	4.519	
Pex11g	0.020	-1.425	-0.173	-0.032	-0.378	-0.108	1.252	0.543	1.765	1.448	
Tbc1d22b	0.006	-1.426	0.804	0.970	0.470	0.973	2.230	1.830	2.515	2.345	
Gpr98	0.002	-1.429	1.912	1.805	1.710	2.221	3.341	3.085	3.523	3.415	
Acad12	0.019	-1.432	-2.393	-2.793	-2.503	-1.883	-0.961	-1.474	-0.779	-0.631	
Tmem65	0.007	-1.432	2.925	3.085	2.509	3.182	4.358	3.992	4.519	4.561	
Rab39b	0.006	-1.432	1.467	1.360	1.202	1.839	2.899	2.532	3.131	3.034	
Sesn3	0.018	-1.434	2.920	3.260	2.295	3.206	4.355	3.956	4.547	4.561	
Gm26906	0.048	-1.437	3.122	3.770	2.277	3.318	4.559	4.217	4.409	5.050	
Nucb2	0.004	-1.438	4.735	4.654	4.653	4.898	6.173	5.744	6.484	6.290	
Gm15607	0.017	-1.438	0.890	0.917	0.528	1.226	2.329	1.715	2.614	2.658	
Fam166a	0.021	-1.443	0.726	0.834	0.030	1.313	2.169	1.984	2.152	2.370	
Gm9747	0.018	-1.447	-0.173	0.145	-0.782	0.118	1.274	0.849	1.474	1.499	
Sh3pxd2a	0.035	-1.447	0.020	0.491	-0.483	0.051	1.466	0.734	1.795	1.870	
Nlgn2	0.020	-1.448	-0.534	-0.347	-1.245	-0.010	0.914	0.701	1.002	1.039	
Napepld	0.006	-1.449	-0.329	0.044	-0.760	-0.270	1.120	0.940	1.035	1.386	
Manf	0.011	-1.451	5.532	5.722	5.229	5.645	6.983	6.408	7.266	7.277	
Tmod2	0.040	-1.452	0.079	0.492	-0.837	0.582	1.531	1.235	1.598	1.759	
Abat	0.004	-1.452	0.911	0.912	0.712	1.110	2.363	1.951	2.433	2.705	
Gm15624	0.000	-1.452	-0.626	-0.392	-0.611	-0.876	0.826	0.808	0.858	0.811	
Pdia4	0.003	-1.455	4.399	4.512	4.178	4.506	5.854	5.454	6.036	6.071	
Plcx2	0.014	-1.456	0.285	0.021	0.071	0.764	1.741	1.243	2.093	1.887	
Slc37a4	0.002	-1.457	0.187	0.438	0.078	0.046	1.645	1.904	1.697	1.333	
Mdm1	0.035	-1.459	2.089	2.485	1.236	2.546	3.548	3.217	3.844	3.583	Up
Cdk5r2	0.012	-1.463	-0.978	-0.520	-1.534	-0.879	0.485	0.179	0.719	0.556	
Scn9a	0.006	-1.464	0.729	0.709	0.282	1.195	2.193	2.099	2.372	2.107	
Pdia5	0.004	-1.467	0.423	0.701	0.232	0.336	1.890	1.494	2.033	2.142	
Klhdc9	0.001	-1.472	-2.077	-2.052	-2.145	-2.032	-0.605	-0.878	-0.575	-0.361	
Crot	0.002	-1.478	2.927	3.110	2.812	2.858	4.404	4.032	4.518	4.663	
6330403K07Rik	0.007	-1.482	-0.368	-0.155	-0.075	-0.874	1.114	0.844	1.225	1.272	
Pfkfb2	0.007	-1.483	2.857	3.046	2.483	3.041	4.340	3.968	4.331	4.720	
Rora	0.032	-1.490	1.928	2.400	1.041	2.343	3.418	3.184	3.598	3.474	
Aacs	0.037	-1.492	-0.745	-0.193	-1.582	-0.460	0.747	0.352	0.732	1.157	
Cox7b	0.006	-1.494	5.599	5.676	5.374	5.745	7.093	6.579	7.316	7.384	Down
A830039N20Rik	0.042	-1.495	0.015	-0.272	-0.099	0.417	1.511	0.597	1.830	2.104	
Gm12360	0.046	-1.496	1.813	2.134	0.881	2.424	3.309	2.877	3.451	3.600	
Alg12	0.012	-1.496	0.057	0.595	-0.321	-0.105	1.553	1.717	1.141	1.800	
Prrc1	0.011	-1.497	1.947	2.133	1.625	2.083	3.444	2.853	3.707	3.771	
Desi1	0.020	-1.500	0.995	1.544	0.283	1.158	2.495	2.224	2.721	2.540	
Creld1	0.008	-1.502	0.378	0.355	0.157	0.624	1.880	1.348	2.016	2.277	
Swsap1	0.049	-1.505	-1.849	-0.838	-2.204	-2.506	-0.344	-0.108	-0.284	-0.642	
Uap1	0.016	-1.506	1.896	2.420	1.357	1.912	3.402	3.032	3.779	3.395	
Man2a2	0.006	-1.508	0.017	0.538	-0.257	-0.229	1.525	1.329	1.680	1.567	
Gpr116	0.013	-1.511	-2.473	-1.770	-2.840	-2.808	-0.961	-1.069	-0.934	-0.882	
Gm13544	0.039	-1.514	-0.188	-0.159	-1.052	0.646	1.325	1.188	1.500	1.288	
Asb13	0.002	-1.520	1.036	0.872	1.081	1.156	2.556	2.204	2.676	2.789	
Gm14540	0.023	-1.522	1.017	1.539	0.546	0.965	2.538	1.921	2.891	2.802	
Rnf123	0.012	-1.526	2.797	3.151	2.547	2.694	4.323	3.739	4.521	4.709	

Skap1	0.000	-1.526	-0.608	-0.442	-0.791	-0.592	0.917	1.096	0.837	0.819	
Hyal1	0.007	-1.527	-2.189	-1.792	-2.436	-2.340	-0.662	-0.223	-0.971	-0.793	Up
Iapp	0.008	-1.528	7.441	7.385	7.026	7.912	8.969	8.609	9.099	9.199	
Padi2	0.004	-1.529	-1.309	-1.419	-1.069	-1.440	0.220	-0.163	0.587	0.236	
Ccdc62	0.029	-1.531	-0.673	-0.287	-1.576	-0.156	0.858	0.878	0.946	0.750	
Mirg	0.003	-1.535	2.364	2.670	1.945	2.479	3.900	3.725	3.945	4.029	
Fam19a1	0.028	-1.536	-1.065	-0.980	-1.822	-0.394	0.471	0.663	0.089	0.660	
Pms2	0.034	-1.538	0.446	0.472	-0.217	1.083	1.984	1.771	2.593	1.590	
Hadh	0.004	-1.539	2.047	2.246	1.617	2.279	3.586	3.289	3.739	3.731	
Sstr3	0.019	-1.540	-0.570	-0.135	-1.341	-0.234	0.970	0.742	1.106	1.061	
Rusc1	0.013	-1.541	-2.230	-2.524	-2.258	-1.908	-0.689	-1.020	-0.061	-0.986	
4930419G24Rik	0.045	-1.542	-0.715	-0.314	-1.472	-0.359	0.827	0.509	0.394	1.579	
D10Bwg1379e	0.002	-1.545	0.782	0.794	0.493	1.060	2.327	2.016	2.484	2.481	
Slc18a1	0.032	-1.546	-0.340	-0.051	-1.145	0.177	1.206	0.839	1.099	1.681	Down
Ppapdc1b	0.002	-1.546	2.361	2.407	2.555	2.122	3.908	3.575	3.978	4.170	
Acot11	0.005	-1.547	-1.827	-1.405	-2.300	-1.776	-0.280	-0.153	-0.265	-0.421	
Scg3	0.033	-1.548	5.545	5.766	4.713	6.155	7.092	6.651	7.273	7.354	
Gm13921	0.036	-1.548	-2.753	-2.240	-2.724	-3.295	-1.205	-1.981	-0.674	-0.960	
Pcsk1	0.040	-1.554	4.214	4.462	3.303	4.877	5.768	5.346	5.958	6.000	
Ypel4	0.049	-1.557	-0.486	-0.270	-1.253	0.065	1.071	0.381	1.097	1.735	
Duxbl3	0.033	-1.563	-1.224	-0.668	-1.992	-1.010	0.339	0.204	0.888	-0.073	
Kctd8	0.020	-1.565	0.027	0.053	-0.510	0.539	1.592	1.188	2.148	1.440	Up
Thsd7a	0.036	-1.566	-0.903	-0.778	-1.506	-0.426	0.662	-0.098	1.207	0.877	
D330022K07Rik	0.030	-1.566	0.603	1.345	-0.196	0.659	2.168	1.850	2.344	2.312	
Creld2	0.005	-1.566	3.636	3.874	3.216	3.819	5.203	4.827	5.300	5.481	
Frzb	0.027	-1.568	1.144	1.395	0.555	1.483	2.712	2.045	3.244	2.846	
Neb	0.012	-1.568	-0.655	-0.607	-0.148	-1.210	0.914	0.877	1.238	0.625	
Mafb	0.037	-1.573	2.442	2.670	1.535	3.122	4.016	3.622	4.198	4.226	Up
Reep2	0.007	-1.574	-1.536	-1.774	-1.911	-0.923	0.038	-0.035	0.034	0.115	Down
Gm9877	0.003	-1.577	-1.712	-1.551	-1.877	-1.709	-0.135	-0.577	0.109	0.062	
9530077C05Rik	0.011	-1.577	-2.218	-2.458	-2.092	-2.104	-0.641	-0.824	-1.105	0.006	
Tha1	0.019	-1.582	-3.002	-2.401	-3.357	-3.246	-1.420	-1.897	-0.915	-1.447	
4930570N19Rik	0.036	-1.586	-1.512	-1.246	-1.787	-1.503	0.074	0.708	0.401	-0.886	
Prkcb	0.010	-1.587	1.901	2.240	1.573	1.890	3.488	2.937	3.640	3.888	Down
Optn	0.016	-1.591	-0.320	-0.205	-0.898	0.143	1.271	0.786	1.651	1.377	
Ptpn	0.008	-1.592	-1.327	-0.710	-1.790	-1.482	0.265	0.179	0.220	0.397	
Srrd	0.009	-1.600	-1.652	-1.514	-1.570	-1.872	-0.052	0.379	0.149	-0.686	
Gm24497	0.013	-1.601	0.475	0.452	1.040	-0.069	2.075	2.415	2.098	1.713	
Gcdh	0.018	-1.602	0.515	0.985	0.570	-0.009	2.117	1.525	2.309	2.516	
Sspn	0.031	-1.602	-1.734	-1.949	-2.129	-1.124	-0.132	-0.776	-0.159	0.537	
Rimk1a	0.013	-1.604	-2.043	-1.915	-2.456	-1.758	-0.439	-0.409	0.087	-0.994	
Socs2	0.004	-1.605	-1.437	-1.557	-1.728	-1.027	0.168	0.272	0.417	-0.185	
Derl2	0.002	-1.607	3.230	3.393	2.861	3.436	4.836	4.617	4.847	5.044	
Slc13a4	0.049	-1.607	-2.608	-2.186	-3.668	-1.970	-1.001	-1.420	-0.895	-0.686	
Fkbp1b	0.026	-1.612	-0.127	0.259	0.255	-0.894	1.485	1.172	2.004	1.278	
H2-T10	0.015	-1.617	-2.639	-2.401	-2.329	-3.187	-1.022	-1.569	-0.846	-0.652	Up
Lgals12	0.013	-1.621	-0.359	-0.737	-0.020	-0.322	1.262	0.633	1.693	1.460	
Scrn1	0.036	-1.624	0.209	0.350	-0.754	1.030	1.832	1.778	1.750	1.969	
Jph4	0.001	-1.627	-0.618	-0.817	-0.752	-0.286	1.009	1.160	0.771	1.094	Up
RP23-184F1.2	0.000	-1.628	-1.124	-1.207	-1.119	-1.045	0.504	0.604	0.244	0.664	
Zc3h6	0.011	-1.632	-0.412	-0.111	-0.955	-0.169	1.220	0.927	1.700	1.034	
Gm27033	0.020	-1.633	5.619	6.034	4.839	5.983	7.251	6.966	7.616	7.173	
Gm16726	0.023	-1.637	-1.190	-0.433	-1.417	-1.719	0.447	0.624	0.743	-0.026	
2810442N19Rik	0.026	-1.638	-2.938	-2.920	-2.796	-3.098	-1.300	-0.526	-2.129	-1.246	
Sobp	0.008	-1.644	-0.258	-0.170	-0.831	0.226	1.385	1.146	1.377	1.633	
Olfr588-ps1	0.001	-1.647	-2.419	-2.563	-2.197	-2.498	-0.773	-0.933	-0.510	-0.875	

Fam174b	0.009	-1.661	1.501	1.797	0.901	1.806	3.162	2.793	3.420	3.273	
Rab3a	0.019	-1.662	1.010	1.359	0.454	1.217	2.672	2.018	3.074	2.925	Down
Ggcx	0.010	-1.664	0.653	0.958	0.136	0.866	2.317	1.829	2.647	2.475	
Nefh	0.024	-1.666	-1.382	-1.075	-1.903	-1.169	0.284	-0.320	1.009	0.163	Down
Mettl1	0.024	-1.666	-1.601	-1.726	-0.984	-2.094	0.065	-0.379	0.732	-0.158	
Wipi1	0.015	-1.669	1.231	1.734	0.568	1.391	2.900	2.479	3.022	3.199	
Wfikn2	0.010	-1.671	-1.216	-0.928	-1.782	-0.939	0.455	0.017	0.523	0.824	
Magt1	0.001	-1.677	4.156	4.133	4.192	4.143	5.833	5.519	6.111	5.869	
Tmem132b	0.015	-1.684	-0.975	-1.293	-1.384	-0.247	0.709	0.350	0.740	1.038	Down
Cacna1b	0.049	-1.691	-1.279	-1.048	-2.154	-0.637	0.411	1.062	-0.324	0.495	
Timm10b	0.004	-1.698	-0.543	-0.512	-0.700	-0.418	1.155	1.289	0.630	1.544	
Ficd	0.024	-1.699	-0.998	-0.414	-1.774	-0.806	0.701	0.185	0.881	1.038	
Hs3st3b1	0.022	-1.700	-2.412	-2.564	-2.290	-2.381	-0.712	-1.633	-0.252	-0.251	
Hspa12a	0.001	-1.704	0.131	0.127	0.159	0.107	1.835	1.620	1.613	2.273	Down
Rpl27-ps1	0.029	-1.707	-2.060	-2.397	-2.353	-1.432	-0.354	-1.105	-0.241	0.286	
Hyou1	0.005	-1.708	3.247	3.476	2.920	3.344	4.954	4.429	5.207	5.227	
Coch	0.006	-1.709	-0.941	-0.843	-1.096	-0.883	0.768	0.202	1.254	0.849	
Lpl	0.004	-1.709	0.481	0.098	0.391	0.953	2.190	1.884	2.358	2.327	Down
Gm10941	0.021	-1.715	0.568	0.694	-0.110	1.119	2.282	2.045	1.931	2.872	
5330413P13Rik	0.019	-1.717	-0.593	-0.347	-1.394	-0.039	1.124	0.764	1.312	1.296	
Dnajc6	0.031	-1.718	-0.547	-0.334	-1.474	0.167	1.171	1.067	0.877	1.570	
Gm14021	0.027	-1.720	-2.467	-2.661	-2.880	-1.860	-0.747	-1.516	-0.212	-0.514	
Rtkn2	0.012	-1.730	-2.181	-2.460	-2.200	-1.883	-0.451	-0.891	0.272	-0.735	Down
Ctrl	0.006	-1.733	-2.368	-2.512	-2.146	-2.448	-0.636	-0.882	-1.007	-0.017	
Gm17208	0.034	-1.734	-2.319	-1.405	-2.625	-2.926	-0.585	-1.006	-0.024	-0.726	
Zfp9	0.010	-1.735	0.961	1.060	0.513	1.310	2.695	2.255	3.246	2.585	
Psd	0.027	-1.735	-2.347	-1.684	-3.189	-2.168	-0.612	-1.054	-0.207	-0.576	
Tnr	0.023	-1.739	-2.048	-1.876	-2.795	-1.473	-0.309	-0.451	-0.708	0.232	Up
Ociad2	0.004	-1.741	3.127	3.302	2.673	3.404	4.868	4.563	4.847	5.193	
Gnat2	0.006	-1.743	0.465	0.734	0.649	0.012	2.208	1.888	2.679	2.056	
Pdx1	0.022	-1.749	3.778	4.266	2.946	4.121	5.527	5.062	5.774	5.746	
Stk32a	0.017	-1.756	-0.095	-0.668	0.132	0.250	1.660	1.160	1.505	2.316	
Sgk2	0.003	-1.757	-1.533	-1.538	-1.480	-1.580	0.225	-0.232	0.208	0.698	
Lphn3	0.002	-1.758	1.921	1.901	1.566	2.296	3.679	3.738	3.395	3.904	
Tlcd2	0.008	-1.759	-1.958	-1.546	-2.562	-1.766	-0.199	-0.477	-0.259	0.138	Up
Aqp4	0.005	-1.762	-0.371	-0.756	-0.035	-0.322	1.391	0.949	1.489	1.735	Up
Gm7985	0.012	-1.763	-1.611	-1.114	-2.153	-1.565	0.152	0.007	-0.227	0.677	
Wfs1	0.018	-1.764	3.012	3.497	2.319	3.221	4.776	4.222	4.972	5.134	
Eya1	0.006	-1.766	0.544	0.865	-0.075	0.841	2.309	2.090	2.380	2.458	
Dlk1	0.001	-1.766	3.329	3.418	3.302	3.266	5.094	4.669	5.266	5.348	Up
Atp2a2	0.015	-1.766	5.891	6.246	5.130	6.297	7.657	7.243	7.842	7.886	
Nptxr	0.022	-1.775	-2.244	-1.493	-2.848	-2.392	-0.469	-1.017	-0.113	-0.277	
Sec24d	0.003	-1.777	0.938	1.151	0.760	0.902	2.714	2.224	2.883	3.036	
Asphd1	0.028	-1.781	0.180	0.537	-0.573	0.577	1.962	1.238	2.209	2.438	
Crmp1	0.023	-1.788	-3.225	-2.710	-2.929	-4.038	-1.438	-0.935	-1.460	-1.918	Up
Gm17018	0.024	-1.788	-1.884	-2.304	-1.523	-1.825	-0.096	-0.070	0.667	-0.884	
Grip1	0.021	-1.795	-0.290	-0.010	-1.121	0.260	1.505	1.077	1.557	1.880	
Ccdc130	0.016	-1.796	-0.245	-0.416	0.449	-0.768	1.551	1.077	1.615	1.962	
Prkag2	0.019	-1.799	0.560	1.242	-0.215	0.653	2.359	1.935	2.482	2.659	
Klhl32	0.022	-1.800	1.445	1.800	0.528	2.006	3.244	2.961	3.195	3.577	
Gm15464	0.008	-1.801	-2.107	-2.275	-2.079	-1.966	-0.306	-0.052	-1.000	0.135	
1700113A16Rik	0.033	-1.807	-1.893	-1.533	-2.922	-1.224	-0.086	-0.420	-0.143	0.307	
Acvr1c	0.012	-1.808	1.870	1.875	1.185	2.549	3.677	3.434	3.726	3.871	
Gm26584	0.019	-1.810	3.056	3.352	2.201	3.615	4.866	4.667	4.693	5.237	
Ripply3	0.012	-1.818	1.694	2.133	0.999	1.951	3.513	3.112	3.581	3.846	
Sntg1	0.022	-1.821	-0.691	-0.228	-1.566	-0.278	1.131	0.684	1.190	1.517	Down

Ablim1	0.004	-1.822	0.231	0.481	-0.059	0.272	2.053	1.626	1.994	2.540	
Hspa12b	0.021	-1.824	-2.362	-2.517	-2.662	-1.908	-0.539	-1.414	-0.107	-0.095	
Arid3b	0.029	-1.824	-0.254	0.315	-1.062	-0.013	1.570	1.744	0.879	2.087	
Reg2	0.000	-1.828	-2.064	-2.013	-2.232	-1.949	-0.237	-0.193	-0.511	-0.007	
Gpr155	0.005	-1.835	-0.824	-0.661	-0.886	-0.926	1.011	0.432	1.488	1.111	Up
Tnfaip8l3	0.002	-1.837	0.587	0.739	0.113	0.909	2.424	2.325	2.376	2.569	
Gm12908	0.014	-1.841	-0.958	-1.331	-0.620	-0.922	0.884	0.529	1.662	0.460	
BC007180	0.004	-1.843	-1.400	-1.438	-1.886	-0.876	0.443	0.234	0.607	0.490	
Cox6a2	0.029	-1.845	-2.624	-2.906	-3.125	-1.841	-0.779	-1.502	-0.198	-0.637	Down
Hist2h3c1	0.009	-1.847	3.695	4.268	3.071	3.746	5.542	5.202	5.737	5.687	
5530401A14Rik	0.017	-1.848	-2.302	-1.978	-3.089	-1.838	-0.453	-0.771	-0.641	0.052	Up
1700022I11Rik	0.017	-1.857	-2.761	-2.190	-2.742	-3.352	-0.904	-0.932	-0.321	-1.459	
Prl	0.034	-1.868	-2.724	-3.477	-1.696	-2.998	-0.856	-1.333	-0.766	-0.468	
Gm11339	0.039	-1.870	-0.541	-0.627	-1.431	0.437	1.329	1.301	0.830	1.857	Up
Gpr137b	0.005	-1.874	-0.606	-0.315	-1.072	-0.431	1.268	0.953	1.101	1.751	Up
C2cd2l	0.003	-1.875	-1.910	-1.430	-2.349	-1.951	-0.035	-0.215	-0.007	0.117	
Cabp7	0.037	-1.878	-1.405	-0.803	-2.577	-0.834	0.473	0.250	0.358	0.810	
Muc20	0.038	-1.878	-3.068	-3.556	-3.775	-1.875	-1.191	-1.143	-1.453	-0.976	
9330182L06Rik	0.045	-1.892	1.844	2.170	0.611	2.749	3.736	3.461	3.741	4.004	
Map7d2	0.019	-1.902	-1.312	-1.832	-1.635	-0.468	0.591	0.832	0.884	0.056	Down
Pdzrn3	0.005	-1.907	-0.757	-0.446	-1.316	-0.508	1.150	0.793	1.355	1.303	Up
Glp1r	0.016	-1.914	-0.293	0.219	-0.737	-0.361	1.621	0.955	1.621	2.288	
Dgkg	0.036	-1.919	-3.059	-2.831	-4.009	-2.337	-1.140	-0.985	-1.845	-0.591	
Trpm3	0.020	-1.921	-2.102	-2.671	-2.396	-1.238	-0.181	-0.367	0.330	-0.506	
Gmppa	0.004	-1.921	2.654	3.098	2.530	2.333	4.575	4.100	4.749	4.876	
Nostrin	0.018	-1.929	-2.048	-2.299	-2.655	-1.191	-0.120	-0.347	0.354	-0.367	Down
Dgkh	0.017	-1.930	-1.726	-1.162	-2.629	-1.387	0.204	-0.123	0.257	0.479	Up
Chrm3	0.006	-1.931	-2.365	-1.816	-2.357	-2.922	-0.434	-0.810	-0.215	-0.277	Down
Spock2	0.027	-1.941	2.080	2.618	1.072	2.551	4.021	3.507	4.277	4.280	Down
Gm21844	0.002	-1.942	-2.640	-2.337	-3.141	-2.443	-0.699	-0.518	-0.661	-0.916	
Gm14340	0.025	-1.948	-3.374	-3.850	-3.484	-2.786	-1.426	-1.024	-2.342	-0.911	
Tmem229b	0.016	-1.949	0.476	1.372	0.104	-0.047	2.425	2.271	2.788	2.215	
Gm20448	0.021	-1.950	1.424	1.973	0.519	1.779	3.374	2.843	3.719	3.560	
Isg20	0.031	-1.965	0.247	0.927	-0.828	0.642	2.212	1.709	2.588	2.339	
Robo1	0.003	-1.971	0.451	0.518	0.005	0.831	2.423	2.092	2.624	2.553	
Gm17586	0.025	-1.974	-1.453	-1.554	-2.188	-0.616	0.522	0.516	1.108	-0.060	
4933421O10Rik	0.003	-1.979	-1.510	-1.194	-1.775	-1.562	0.468	0.593	-0.051	0.863	
C2cd4b	0.025	-1.982	-3.150	-2.237	-3.456	-3.758	-1.169	-1.605	-0.523	-1.378	Up
Gng12	0.012	-1.986	4.523	4.920	3.773	4.878	6.509	6.011	6.732	6.784	
4922501L14Rik	0.009	-1.993	-0.754	-0.906	-1.130	-0.225	1.239	0.609	1.676	1.433	
4930564G21Rik	0.005	-1.997	-0.818	-0.642	-0.513	-1.300	1.179	0.806	1.058	1.671	
Slc30a8	0.016	-2.000	3.644	3.409	2.996	4.527	5.644	5.345	5.598	5.989	
Mark1	0.026	-2.001	-3.085	-2.395	-2.721	-4.138	-1.084	-1.517	-0.869	-0.866	
Gm13066	0.011	-2.002	-1.674	-1.918	-1.400	-1.702	0.328	-0.511	0.727	0.769	
Nfasc	0.015	-2.013	-0.887	-0.508	-1.727	-0.426	1.125	0.611	1.451	1.315	
Gabbr2	0.008	-2.016	-1.754	-1.249	-2.524	-1.489	0.262	-0.025	0.422	0.388	
Gm14648	0.014	-2.019	-2.461	-1.622	-2.742	-3.018	-0.442	-0.876	-0.059	-0.391	
Upp2	0.015	-2.022	-0.796	-0.617	-1.677	-0.095	1.225	1.194	0.947	1.535	
Adora3	0.035	-2.024	-1.073	-0.450	-2.171	-0.599	0.951	0.285	1.417	1.150	
Hopx	0.020	-2.025	-1.066	-0.928	-1.823	-0.447	0.959	0.421	1.648	0.807	Up
Myt1l	0.005	-2.034	-0.638	-0.427	-1.310	-0.177	1.396	1.219	1.427	1.543	
Cntn1	0.007	-2.035	-0.063	-0.154	-0.452	0.416	1.971	1.385	2.472	2.057	Down
Dnah9	0.026	-2.059	2.147	2.715	0.988	2.737	4.205	3.933	4.266	4.417	Up
Gm15824	0.005	-2.067	1.011	1.411	0.711	0.912	3.078	2.611	3.636	2.987	
Scnn1b	0.018	-2.073	-2.913	-3.050	-2.269	-3.419	-0.839	-1.393	-1.089	-0.036	
Gm14219	0.024	-2.077	-1.094	-0.791	-1.595	-0.896	0.983	1.721	-0.034	1.264	

Derl3	0.005	-2.087	-1.445	-1.002	-2.147	-1.186	0.642	0.662	0.824	0.440	
Dcdc5	0.007	-2.088	0.178	0.333	-0.101	0.303	2.266	1.691	2.131	2.977	
Rasgrf1	0.001	-2.091	-0.425	-0.342	-0.792	-0.141	1.665	1.516	1.623	1.857	
Gm13814	0.005	-2.092	-1.260	-0.961	-1.823	-0.996	0.832	0.432	1.319	0.746	
Rhbdl2	0.003	-2.103	-0.672	-1.159	-0.719	-0.137	1.431	1.456	1.703	1.135	
Bcl6b	0.034	-2.112	-2.566	-1.699	-3.640	-2.357	-0.454	-1.058	-0.442	0.139	
Opn3	0.011	-2.117	-2.738	-3.265	-1.899	-3.049	-0.621	-0.565	-0.998	-0.301	
Gm15910	0.006	-2.128	-0.831	-0.291	-1.341	-0.861	1.297	0.815	1.669	1.406	
Z900005J15Rik	0.007	-2.128	-0.033	0.289	-0.629	0.241	2.095	2.127	1.585	2.572	
Zfp365	0.005	-2.130	-3.057	-3.380	-2.336	-3.455	-0.927	-0.745	-1.192	-0.844	Down
Papss2	0.011	-2.133	4.217	4.489	3.364	4.797	6.349	5.983	6.440	6.625	
Itpkb	0.019	-2.143	-1.336	-0.807	-2.090	-1.111	0.807	-0.004	1.075	1.351	
E130309F12Rik	0.007	-2.145	0.450	0.539	-0.296	1.107	2.595	2.416	2.616	2.753	
Ero1lb	0.004	-2.147	3.775	3.819	3.236	4.268	5.922	5.487	6.072	6.207	
Spock1	0.010	-2.150	-3.012	-2.422	-3.448	-3.165	-0.862	-1.404	-0.963	-0.218	
Gm22662	0.018	-2.154	-0.901	-0.792	-0.011	-1.898	1.253	1.152	1.145	1.463	
Sdf2l1	0.005	-2.157	3.635	3.522	3.621	3.762	5.792	5.045	6.119	6.212	
Ush2a	0.011	-2.158	-0.174	0.563	-1.020	-0.064	1.984	1.933	2.286	1.733	Up
Mcc	0.000	-2.161	-1.206	-1.132	-1.266	-1.221	0.954	0.810	0.801	1.252	
Nudt6	0.034	-2.161	-2.965	-2.170	-3.711	-3.013	-0.804	-1.735	-0.725	0.048	
Maob	0.003	-2.188	3.151	3.093	2.699	3.662	5.340	4.977	5.431	5.611	Down
A530058N18Rik	0.006	-2.195	1.525	1.820	0.771	1.984	3.720	3.461	3.719	3.981	
Robo2	0.001	-2.205	1.928	2.022	1.445	2.317	4.133	3.910	4.223	4.267	
Ntm	0.002	-2.208	-0.822	-0.831	-0.439	-1.195	1.386	0.914	1.723	1.521	
Gm6568	0.019	-2.214	-2.834	-1.706	-3.247	-3.549	-0.620	-0.886	-0.471	-0.502	
BC037034	0.011	-2.214	-2.016	-2.717	-1.683	-1.647	0.199	0.874	0.042	-0.320	
Igsf1	0.001	-2.221	0.970	0.804	0.801	1.303	3.191	3.001	3.060	3.512	Down
Slitrk6	0.003	-2.224	2.184	2.029	1.776	2.748	4.408	4.059	4.624	4.542	Down
Slc2a5	0.010	-2.242	0.445	0.897	-0.191	0.629	2.687	1.977	3.205	2.878	
Galnt6	0.001	-2.254	-3.288	-3.021	-3.563	-3.279	-1.034	-1.400	-0.675	-1.026	
Sv2b	0.003	-2.257	-1.481	-1.556	-1.657	-1.231	0.775	0.107	1.051	1.168	Down
Slc16a9	0.010	-2.261	0.249	0.725	-0.326	0.349	2.510	1.755	2.959	2.816	
Tdo2	0.033	-2.264	-2.145	-1.172	-3.188	-2.075	0.119	0.513	-0.673	0.518	
Cdhr1	0.021	-2.295	0.281	0.745	-0.753	0.852	2.576	1.908	2.847	2.974	
Scg2	0.005	-2.314	5.018	5.154	4.379	5.521	7.332	6.847	7.481	7.669	Up
Wdr96	0.014	-2.321	-0.073	0.661	-1.130	0.249	2.247	2.514	2.223	2.006	
Zfp786	0.006	-2.324	-2.407	-1.803	-2.558	-2.860	-0.083	-0.327	0.542	-0.464	
Gm26750	0.014	-2.332	-3.316	-3.069	-4.289	-2.590	-0.984	-0.790	-1.460	-0.703	
Z210010C04Rik	0.000	-2.337	-0.240	-0.252	-0.043	-0.425	2.098	1.902	1.925	2.466	
Gm15681	0.033	-2.342	-2.952	-1.702	-4.037	-3.116	-0.610	-0.084	-0.736	-1.010	
Prss2	0.036	-2.357	-0.956	-2.024	0.435	-1.281	1.401	1.000	1.435	1.767	
Gucy1a3	0.016	-2.365	-2.921	-2.380	-3.872	-2.511	-0.556	-0.886	-0.936	0.155	
Prnd	0.004	-2.368	-3.471	-4.069	-3.288	-3.055	-1.103	-1.071	-0.654	-1.583	
AI836003	0.018	-2.385	-2.306	-2.167	-1.386	-3.366	0.079	-0.253	-0.036	0.525	
Gm17388	0.002	-2.393	-1.425	-1.638	-1.264	-1.375	0.967	0.367	1.302	1.232	
Gm2389	0.008	-2.412	0.145	0.115	0.311	0.009	2.557	3.209	2.847	1.614	
Ffar3	0.001	-2.414	-0.692	-0.494	-0.479	-1.103	1.722	1.353	2.121	1.694	
Z4930550C14Rik	0.015	-2.435	0.898	0.814	0.057	1.822	3.333	2.806	3.825	3.367	Up
Phactr1	0.003	-2.441	3.285	2.652	3.709	3.494	5.726	5.483	6.076	5.619	Down
Gm19357	0.041	-2.448	-2.679	-1.961	-4.180	-1.897	-0.231	-0.552	0.430	-0.572	
Sdk2	0.035	-2.454	-2.377	-1.743	-3.721	-1.665	0.078	-0.711	0.382	0.562	
Sycp1	0.013	-2.454	-0.563	0.323	-1.471	-0.541	1.891	2.217	2.031	1.425	
Gm13709	0.007	-2.458	-2.472	-2.169	-1.973	-3.275	-0.014	0.064	-0.495	0.388	
Nkx2-1	0.001	-2.464	-3.206	-3.106	-3.518	-2.995	-0.742	-0.422	-1.158	-0.646	
Slc2a2	0.000	-2.499	2.664	2.812	2.435	2.744	5.162	4.890	5.312	5.285	
Try5	0.039	-2.500	-2.281	-1.827	-1.183	-3.832	0.219	0.431	-0.235	0.462	

Dpf3	0.027	-2.524	-0.455	0.665	-1.792	-0.238	2.069	1.976	1.811	2.418	
Dmbt1	0.001	-2.524	-2.803	-2.872	-3.091	-2.445	-0.279	-0.328	-0.547	0.038	
G6pc2	0.002	-2.535	3.552	3.291	3.297	4.068	6.087	5.715	6.106	6.440	
Sytl4	0.004	-2.542	4.045	4.235	3.313	4.587	6.587	6.190	6.719	6.851	
B230217C12Rik	0.007	-2.550	-0.157	-0.085	-0.834	0.449	2.393	1.864	3.010	2.306	
Pitpnm3	0.006	-2.551	-3.172	-2.625	-4.140	-2.751	-0.622	-0.705	-0.539	-0.621	
Gmpr	0.006	-2.555	-2.993	-2.213	-3.754	-3.011	-0.437	-0.539	-0.629	-0.144	Down
Gm3755	0.009	-2.558	-3.982	-4.062	-4.360	-3.524	-1.424	-1.577	-2.186	-0.510	
Rims3	0.012	-2.558	-1.357	-0.652	-2.465	-0.952	1.202	0.890	1.477	1.239	
Chst10	0.027	-2.559	-3.655	-4.623	-3.521	-2.822	-1.097	-2.096	-0.907	-0.287	
Gm11449	0.005	-2.559	0.626	1.452	-0.065	0.493	3.185	3.092	3.003	3.460	
Gm14817	0.019	-2.560	-2.046	-2.271	-3.075	-0.791	0.515	0.663	0.468	0.413	
Gpr137b-ps	0.000	-2.569	-0.744	-0.743	-0.573	-0.914	1.825	1.686	1.902	1.888	
Trpm5	0.016	-2.573	-1.138	-2.054	-0.890	-0.470	1.435	0.826	1.212	2.268	
Gm281	0.000	-2.591	-1.345	-1.531	-1.505	-0.999	1.247	1.096	1.331	1.313	
Zg16	0.033	-2.595	-2.745	-3.832	-3.051	-1.352	-0.149	-0.428	-0.572	0.552	
Gm15810	0.002	-2.605	-0.525	-0.657	-0.876	-0.040	2.081	1.698	2.032	2.513	
Ntrk2	0.004	-2.653	-0.890	-0.719	-1.513	-0.438	1.762	1.196	2.133	1.958	Down
Chrna3	0.025	-2.654	-2.822	-1.380	-3.525	-3.563	-0.169	-0.478	0.321	-0.350	
Gip	0.010	-2.668	1.297	2.379	0.512	0.999	3.965	3.674	4.088	4.133	
C130080G10Rik	0.009	-2.679	-2.462	-1.464	-3.276	-2.646	0.217	0.518	-0.138	0.273	
Pecam1	0.032	-2.683	-2.208	-2.102	-1.032	-3.489	0.475	0.887	0.911	-0.372	
Dnah7a	0.005	-2.703	-3.228	-2.692	-3.899	-3.093	-0.525	-1.117	-0.414	-0.043	
Gcgr	0.000	-2.717	-3.868	-3.887	-3.915	-3.801	-1.150	-1.254	-0.741	-1.456	Up
Gm13578	0.020	-2.719	-2.860	-2.927	-1.883	-3.769	-0.141	-1.110	0.265	0.422	
Bace2	0.002	-2.751	-1.583	-2.096	-1.315	-1.337	1.168	0.610	1.418	1.475	
Gm14616	0.001	-2.786	-0.669	-0.756	-0.975	-0.277	2.117	1.837	1.919	2.595	
Fabp7	0.021	-2.805	-2.434	-2.734	-3.538	-1.032	0.370	0.310	0.733	0.068	
Tmem215	0.001	-2.809	1.728	1.506	1.470	2.207	4.536	4.120	4.813	4.675	Down
Syndig1l	0.010	-2.816	-2.816	-2.957	-3.498	-1.992	0.000	-0.751	0.054	0.699	
Chrn4	0.018	-2.840	-1.770	-1.069	-3.209	-1.033	1.069	0.838	1.284	1.086	
Gm15812	0.045	-2.844	-1.963	-0.707	-3.733	-1.450	0.881	0.116	1.399	1.127	
Gm13093	0.002	-2.848	-3.988	-3.685	-4.489	-3.791	-1.140	-1.635	-1.251	-0.534	
1700112D23Rik	0.000	-2.868	0.669	0.688	0.999	0.319	3.537	3.166	3.646	3.798	Up
Ppp1r1a	0.002	-2.868	0.457	0.611	-0.167	0.927	3.325	2.886	3.447	3.643	
Kcnq4	0.006	-2.879	-2.849	-2.584	-3.874	-2.089	0.030	0.137	-0.172	0.126	Up
Gm17399	0.036	-2.925	-4.282	-5.035	-3.254	-4.556	-1.357	-0.403	-2.907	-0.761	
Mapt	0.004	-2.948	0.301	0.633	-0.574	0.845	3.250	2.811	3.652	3.286	
Ins2	0.001	-2.958	8.271	8.332	7.940	8.541	11.228	10.713	11.369	11.604	
Cntfr	0.001	-2.963	-1.579	-1.487	-1.946	-1.303	1.385	1.042	1.130	1.982	
P2ry6	0.002	-2.970	-0.464	-0.013	-0.447	-0.933	2.506	1.897	2.651	2.969	
Arhgap36	0.004	-2.987	1.573	1.618	0.836	2.264	4.559	4.049	4.778	4.851	Down
Nnat	0.005	-3.002	5.675	6.067	4.738	6.220	8.677	8.112	8.938	8.981	
O610038L08Rik	0.039	-3.032	-2.816	-1.761	-4.486	-2.203	0.215	0.159	1.168	-0.681	
A130066N16Rik	0.006	-3.035	-1.734	-1.681	-2.563	-0.958	1.300	0.667	1.558	1.676	
Gm25483	0.021	-3.055	1.307	-0.113	1.668	2.366	4.362	3.607	4.837	4.642	
Il1r1	0.001	-3.069	1.549	1.662	1.123	1.860	4.617	4.093	4.789	4.970	
Casc1	0.046	-3.098	-3.191	-1.319	-4.609	-3.646	-0.093	-0.917	-0.069	0.707	Up
Gm12002	0.008	-3.111	-2.959	-4.054	-2.973	-1.849	0.153	0.095	0.075	0.288	
RP24-480M3.2	0.016	-3.113	0.072	-1.297	1.109	0.405	3.185	2.723	3.731	3.101	
P2ry1	0.000	-3.140	1.272	1.186	0.915	1.715	4.412	4.132	4.398	4.708	
C630016N16Rik	0.032	-3.144	-2.740	-1.224	-4.390	-2.606	0.405	0.708	-0.269	0.774	
Ism1	0.045	-3.146	-2.187	-1.728	-4.170	-0.664	0.959	0.667	1.644	0.566	Up
Gm10615	0.004	-3.179	-4.333	-4.086	-4.305	-4.607	-1.154	-2.090	-0.371	-1.002	
RP23-184F1.3	0.001	-3.199	-1.969	-2.056	-2.275	-1.577	1.230	1.842	0.644	1.205	
Pnlip	0.001	-3.246	-1.118	-1.730	-0.842	-0.782	2.128	1.887	2.171	2.326	

Ins1	0.001	-3.260	4.194	4.164	3.900	4.519	7.454	6.951	7.541	7.871	
Gm26849	0.009	-3.274	-2.292	-1.145	-2.423	-3.309	0.981	0.870	0.527	1.546	
D130020L05Rik	0.005	-3.337	-4.179	-3.913	-3.869	-4.756	-0.842	-1.567	-1.159	0.199	
Prss53	0.005	-3.383	-2.882	-2.220	-3.924	-2.502	0.501	0.047	0.503	0.953	Down
Gm12962	0.002	-3.499	-2.395	-3.010	-1.644	-2.531	1.104	1.132	0.699	1.482	
Gm26035	0.018	-3.506	0.665	2.303	-0.571	0.264	4.171	3.535	4.559	4.419	
Try4	0.001	-3.608	-3.030	-3.726	-2.530	-2.832	0.579	0.317	0.759	0.660	
Phactr3	0.005	-3.731	-4.377	-5.366	-4.200	-3.565	-0.647	0.028	-1.453	-0.514	Down
C330002G04Rik	0.003	-3.962	-3.169	-2.644	-4.185	-2.679	0.793	1.461	0.335	0.584	
Glycam1	0.000	-3.983	-3.373	-3.793	-3.012	-3.314	0.609	0.347	0.592	0.890	
Npy	0.000	-4.115	0.563	0.018	0.673	0.999	4.678	4.357	4.762	4.914	Down
Vimp	0.017	-4.230	5.358	6.742	5.787	3.544	9.587	8.885	9.311	10.566	
Prss22	0.002	-4.737	-6.171	-5.233	-6.640	-6.640	-1.434	-1.408	-0.672	-2.222	Down
Gm3852	0.006	-4.907	-5.792	-4.096	-6.640	-6.640	-0.885	-0.106	-1.222	-1.328	
Rps15-ps2	0.000	-5.058	-6.640	-6.640	-6.640	-6.640	-1.582	-1.998	-2.040	-0.709	
Eif3s6-ps1	0.000	-5.216	-6.640	-6.640	-6.640	-6.640	-1.424	-2.291	-1.139	-0.841	
Mettl21b	0.000	-5.255	-2.714	-2.198	-3.354	-2.591	2.541	2.148	2.723	2.751	
Gm26652	0.000	-5.317	-6.640	-6.640	-6.640	-6.640	-1.323	-1.605	-1.623	-0.740	
Kcnk9	0.000	-5.498	-3.354	-2.754	-4.295	-3.012	2.144	2.106	2.269	2.056	
Gm24139	0.000	-6.516	-6.640	-6.640	-6.640	-6.640	-0.124	0.399	-0.034	-0.736	
Gm14586	0.000	-6.624	-6.640	-6.640	-6.640	-6.640	-0.016	-0.305	-0.323	0.579	
Metazoa_SRP	0.000	-6.915	-6.640	-6.640	-6.640	-6.640	0.275	0.577	-0.856	1.105	
Gm6181	0.000	-7.560	-6.640	-6.640	-6.640	-6.640	0.920	0.392	1.374	0.994	
Gm6265	0.000	-7.595	-6.640	-6.640	-6.640	-6.640	0.955	-0.491	1.660	1.695	
Klk14	0.000	-8.385	-5.888	-6.640	-4.383	-6.640	2.497	2.754	1.988	2.749	
Gm25184	0.000	-9.770	-6.640	-6.640	-6.640	-6.640	3.130	3.244	2.829	3.318	
Gm24666	0.000	-10.828	-6.640	-6.640	-6.640	-6.640	4.188	4.239	4.221	4.103	
Gm25415	0.000	-11.146	-6.640	-6.640	-6.640	-6.640	4.506	4.890	3.872	4.755	
AL669901.1	0.000	-13.130	-6.640	-6.640	-6.640	-6.640	6.490	6.346	6.913	6.211	
Gm26140	0.000	-14.095	-6.640	-6.640	-6.640	-6.640	7.455	6.978	7.545	7.843	
Gm22618	0.000	-15.383	-6.640	-6.640	-6.640	-6.640	8.743	8.794	8.776	8.658	
Gm22591	0.000	-16.045	-6.640	-6.640	-6.640	-6.640	9.405	9.123	10.105	8.988	