

		Log2-transformed results								No log transform	
Gene_Symbol	p-values	Fold change	Average-Control	Average-mutant	control 1	control 2	control 3	mutant 1	mutant 2	Gene-symbol	Fold change
Alox15	0.005	11.144	-3.596	7.548	-3.434	-1.702	-5.652	7.025	8.071	Aldob	1537.190
Aldob	0.000	10.596	-0.695	9.901	-1.149	-0.129	-0.808	9.500	10.302	Alox15	1425.048
Pdk4	0.001	10.510	-3.315	7.195	-3.950	-3.733	-2.262	6.928	7.462	Pdk4	1282.162
Rps3a3	0.001	10.252	-3.549	6.704	-3.807	-4.397	-2.441	6.835	6.573	Rps3a3	1035.267
Gm8730	0.000	9.663	-3.145	6.519	-3.071	-3.660	-2.704	6.396	6.641	Gm8730	784.049
Gm4791	0.000	8.923	-2.381	6.542	-2.168	-2.173	-2.802	6.139	6.944	Gm4791	493.294
Foxc1	0.003	8.726	-4.955	3.771	-4.685	-6.275	-3.904	3.335	4.207	Foxc1	360.334
Pcp4l1	0.000	8.489	-0.560	7.929	-0.095	-0.742	-0.844	7.711	8.146	Pcp4l1	352.484
Acot1	0.002	8.226	-4.271	3.955	-5.109	-4.699	-3.005	3.785	4.125	Lepr	292.883
Lamb2	0.000	8.153	-1.431	6.722	-1.421	-1.526	-1.347	6.646	6.798	Lamb2	283.695
Lepr	0.002	8.002	-5.697	2.305	-5.956	-5.961	-5.174	3.174	1.436	Acot1	242.999
Pcdh20	0.000	7.935	-3.039	4.896	-2.788	-3.601	-2.727	4.831	4.962	Pcdh20	235.459
Ifitm1	0.001	7.905	-2.569	5.337	-1.946	-2.273	-3.486	5.225	5.448	Ifitm1	217.819
Egln3	0.002	7.895	-4.820	3.075	-5.551	-5.141	-3.769	2.753	3.397	Gdf10	214.295
Gdf10	0.001	7.867	-4.853	3.014	-4.520	-4.302	-5.738	3.147	2.880	Egln3	209.594
Slc5a10	0.001	7.559	-1.420	6.139	-1.058	-2.063	-1.139	5.531	6.748	Slc5a10	195.462
Fgfrl1	0.006	7.173	-2.514	4.659	-1.091	-2.619	-3.833	4.571	4.747	Ppic	121.178
ccdc198	0.003	7.163	-2.260	4.903	-2.940	-0.972	-2.869	4.953	4.852	ccdc198	114.529
2200002J24Rik	0.009	7.097	-1.701	5.396	0.000	-2.444	-2.658	5.957	4.836	Ugt1a1	109.348
Ppic	0.001	6.988	-3.122	3.866	-3.627	-3.217	-2.523	3.637	4.094	Fgfrl1	107.101
Ugt1a1	0.001	6.925	-3.171	3.754	-3.292	-3.881	-2.340	3.661	3.846	2200002J24Rik	100.319
Fbxl7	0.006	6.911	-5.196	1.715	-5.260	-6.435	-3.893	1.299	2.131	Fbxl7	96.741
Yap1	0.008	6.760	-4.358	2.402	-3.890	-5.939	-3.245	2.445	2.359	Antxr2	90.414
Antxr2	0.001	6.597	-4.752	1.845	-4.288	-5.463	-4.506	1.864	1.825	Ajuba	83.395
ErbB2	0.001	6.460	-4.487	1.973	-4.935	-4.788	-3.738	1.958	1.988	Yap1	82.832
Mertk	0.001	6.421	-3.337	3.084	-3.085	-4.037	-2.888	2.857	3.311	Mertk	81.070
Prss23	0.002	6.396	-2.184	4.211	-2.592	-2.735	-1.226	3.920	4.502	ErbB2	80.888
Ajuba	0.000	6.366	-4.551	1.816	-4.420	-4.595	-4.638	1.493	2.138	Gstt3	80.370
Gstt3	0.000	6.366	-2.255	4.111	-2.080	-2.085	-2.598	4.091	4.131	Sorcs2	79.288
Gimap9	0.005	6.316	-3.854	2.462	-4.854	-2.636	-4.072	2.521	2.403	Prss23	75.255
Sorcs2	0.000	6.302	-1.202	5.100	-1.106	-1.544	-0.955	4.732	5.467	Msln	73.643
Msln	0.001	6.279	1.096	7.375	1.396	0.438	1.454	7.556	7.194	Prkg2	72.433
Prkg2	0.002	6.185	-2.554	3.631	-2.756	-2.983	-1.923	3.119	4.142	Gimap9	63.912
Rbm46	0.004	6.131	-3.955	2.175	-3.138	-5.050	-3.678	1.781	2.570	Dlc1	63.578
Neurog3	0.008	6.097	-1.492	4.605	-0.297	-2.664	-1.515	4.038	5.172	Cybrd1	62.790
Pcdhb8	0.006	6.093	-4.680	1.413	-3.354	-5.529	-5.158	1.509	1.318	Bmpr1b	62.639
Rplp0-ps1	0.003	6.036	-3.308	2.728	-3.038	-2.628	-4.257	2.563	2.892	Rbm46	62.366
Cybrd1	0.002	6.014	-2.976	3.039	-3.233	-3.444	-2.250	2.554	3.524	Gm34225	61.472
Gm34225	0.004	6.003	-0.158	5.844	-0.237	-0.952	0.715	5.238	6.451	Nptx2	59.945
Bmpr1b	0.002	5.973	-2.527	3.446	-2.322	-3.134	-2.125	2.959	3.932	Rplp0-ps1	58.570
Sox6	0.001	5.950	-4.596	1.355	-4.444	-4.095	-5.247	1.252	1.457	Neurog3	58.565
Nptx2	0.000	5.948	0.973	6.920	1.233	0.630	1.056	6.820	7.021	Col4a5	58.059
Dlc1	0.000	5.947	-2.272	3.675	-2.133	-2.230	-2.453	3.215	4.135	Sox6	57.820
St6galnac2	0.002	5.885	-3.091	2.794	-2.280	-3.802	-3.190	2.569	3.019	Exd1	56.112
Col4a5	0.000	5.884	-4.067	1.818	-4.079	-4.017	-4.105	1.834	1.801	Chrna7	54.815
Exd1	0.000	5.842	-4.344	1.498	-4.733	-4.153	-4.144	1.265	1.731	Mmp14	53.436
Mmp14	0.001	5.805	-2.259	3.547	-2.254	-2.719	-1.803	3.382	3.711	St6galnac2	53.389
Chrna7	0.000	5.795	-3.203	2.592	-3.310	-3.093	-3.206	2.423	2.762	Pcdhb8	53.301
Smad6	0.009	5.770	-3.624	2.145	-3.011	-2.824	-5.037	2.422	1.869	Pfkfb3	52.385
Proser2	0.000	5.681	-3.802	1.879	-3.936	-4.178	-3.292	1.806	1.952	C230024C17Rik	50.417
Pfkfb3	0.001	5.666	-2.270	3.396	-2.057	-2.647	-2.105	2.863	3.929	Proser2	48.626
Plch2	0.001	5.634	-2.911	2.723	-2.252	-3.426	-3.055	2.817	2.629	Vipr2	46.981
Gm12530	0.007	5.629	-3.287	2.342	-2.953	-4.543	-2.364	2.484	2.200	Smo	46.312
Smo	0.000	5.584	-1.397	4.188	-1.137	-1.760	-1.293	4.093	4.282	Plch2	45.895
C230024C17Rik	0.001	5.560	-2.082	3.478	-2.177	-2.145	-1.925	2.860	4.096	Zfp750	45.130
Zfp750	0.000	5.559	-2.073	3.486	-1.743	-2.514	-1.962	3.584	3.389	Smad6	44.709
Vipr2	0.000	5.553	-2.264	3.290	-2.296	-2.301	-2.193	2.985	3.595	Slc2a10	42.357
Tmie	0.008	5.536	-3.081	2.456	-2.067	-4.358	-2.816	2.612	2.299	Gm12530	40.733
Slc2a10	0.001	5.521	-2.477	3.043	-1.804	-2.757	-2.871	2.978	3.108	Fn1	40.644
Tcea3	0.004	5.503	-1.989	3.514	-1.039	-2.892	-2.035	3.520	3.509	Gsta4	40.284
Fn1	0.006	5.490	-2.849	2.641	-2.363	-3.953	-2.231	2.185	3.097	Tcea3	38.612
Gsta4	0.003	5.487	-3.220	2.267	-2.479	-4.069	-3.112	2.506	2.029	Dock1	38.572

Gm609	0.003	5.387	-1.486	3.901	-0.692	-2.223	-1.541	3.613	4.190	Gm609	37.865
Dock1	0.000	5.336	-2.507	2.830	-2.151	-2.491	-2.878	2.793	2.867	Fzd1	37.564
Fzd1	0.001	5.281	-2.541	2.740	-2.208	-2.990	-2.426	2.474	3.005	Tmie	37.558
Evc2	0.002	5.279	-1.138	4.141	-0.777	-0.734	-1.902	4.181	4.102	Scn11a	36.680
Mycl	0.006	5.274	-4.119	1.155	-3.152	-4.420	-4.785	0.572	1.738	Mycl	36.002
Ccdc8	0.003	5.252	-1.088	4.164	-0.571	-0.654	-2.038	4.155	4.174	Evc2	35.470
Scn11a	0.001	5.235	-3.095	2.140	-2.707	-2.975	-3.603	1.766	2.513	Cpb2	35.347
Cpb2	0.000	5.209	1.018	6.227	0.772	1.388	0.893	6.192	6.261	Spp1	34.412
Ephb4	0.000	5.139	-3.175	1.964	-3.183	-3.358	-2.986	1.888	2.039	Cdhr2	34.117
Cdhr2	0.000	5.137	0.382	5.518	0.445	0.548	0.152	5.378	5.659	Ephb4	34.091
Spp1	0.000	5.126	5.249	10.374	5.114	5.254	5.378	10.642	10.107	Atp4a	34.050
Cacna1h	0.002	5.116	-2.082	3.034	-1.403	-2.589	-2.252	2.828	3.241	Ccdc8	33.658
Lrrc8e	0.003	5.112	-3.366	1.745	-4.186	-3.316	-2.597	1.636	1.855	Cacna2d2	33.646
Nme9	0.003	5.094	-3.417	1.676	-3.286	-2.876	-4.090	1.260	2.093	Mgarp	33.616
Areg	0.008	5.086	-1.751	3.335	-2.834	-1.687	-0.731	3.620	3.049	Rnf152	33.562
Atp4a	0.001	5.085	0.308	5.394	0.160	0.540	0.224	5.797	4.990	Nme9	32.592
Abo	0.000	5.069	-1.583	3.487	-1.272	-1.500	-1.976	3.522	3.451	Cacna1h	31.924
Cacna2d2	0.005	5.062	-1.685	3.377	-1.129	-2.361	-1.566	2.737	4.017	Abo	31.918
Lamb1	0.000	5.056	-1.303	3.753	-1.145	-1.698	-1.067	3.841	3.665	Lamb1	31.727
Sypl2	0.001	5.031	-2.054	2.977	-2.461	-1.536	-2.165	3.055	2.899	Glpr2	31.684
Cped1	0.004	5.014	-3.029	1.985	-2.664	-3.970	-2.452	1.953	2.018	Sypl2	30.564
Alox12	0.001	4.988	-2.162	2.826	-2.468	-2.437	-1.580	2.513	3.140	Lrrc8e	30.458
Rnf152	0.002	4.985	-3.563	1.423	-3.646	-3.499	-3.543	0.808	2.037	Alox12	30.120
Mgarp	0.005	4.979	-3.260	1.719	-3.186	-3.776	-2.819	0.970	2.468	Grin2c	30.024
Glpr2	0.001	4.960	-1.491	3.469	-1.353	-1.358	-1.764	3.962	2.976	Ctsh	29.409
Grin2c	0.000	4.940	0.719	5.659	0.814	0.674	0.668	5.438	5.880	Gm10800	29.357
Ctsh	0.000	4.938	-1.409	3.529	-1.553	-1.540	-1.134	3.599	3.459	Acsf2	28.834
Gm10800	0.000	4.936	0.622	5.559	0.461	0.916	0.491	5.651	5.467	C130021I20Rik	28.415
Gm15848	0.007	4.935	-3.443	1.492	-2.646	-3.236	-4.449	1.112	1.872	Gm36543	28.402
Gm36543	0.002	4.932	0.532	5.464	1.067	0.679	-0.151	5.758	5.170	Cped1	28.386
Nup62cl	0.002	4.897	-1.418	3.479	-1.050	-2.081	-1.124	3.229	3.729	Areg	28.302
Etv1	0.003	4.896	-0.863	4.033	-0.488	-1.566	-0.535	3.698	4.369	Mical1	28.241
Mical1	0.000	4.872	-1.560	3.313	-1.377	-1.597	-1.705	3.204	3.422	Etv1	27.981
Acsf2	0.002	4.869	-3.615	1.253	-3.110	-3.922	-3.814	1.729	0.777	Nup62cl	27.821
Gm9625	0.000	4.855	0.134	4.989	0.513	0.093	-0.203	4.833	5.146	Gm9625	27.510
C130021I20Rik	0.001	4.839	0.133	4.973	0.382	0.068	-0.049	4.588	5.358	Gm15848	27.013
Ntng2	0.000	4.799	-3.348	1.452	-3.135	-3.725	-3.183	1.449	1.455	Ntng2	26.393
Tmem221	0.005	4.759	-2.208	2.550	-1.498	-3.088	-2.038	2.219	2.881	Gm13453	26.050
Gm13453	0.000	4.756	0.000	4.756	0.000	0.000	0.000	4.679	4.832	Jhy	25.310
Glis1	0.004	4.735	-3.106	1.629	-2.545	-4.009	-2.763	1.433	1.825	Tmem221	24.226
Slc38a5	0.001	4.692	-0.315	4.377	-0.055	-0.892	0.003	4.592	4.162	Slc38a5	24.176
Mir23a	0.003	4.690	-0.338	4.353	-0.401	-0.991	0.380	4.067	4.639	Nexmif	24.096
Pacsin3	0.002	4.685	-1.927	2.758	-1.930	-1.287	-2.563	2.781	2.735	Ace2	23.828
Nexmif	0.001	4.681	-1.829	2.852	-1.644	-1.514	-2.330	2.682	3.022	Glis1	23.600
Jhy	0.005	4.661	-3.375	1.286	-3.880	-3.469	-2.776	0.666	1.906	Ism1	23.586
Ace2	0.000	4.641	1.004	5.646	1.334	0.709	0.970	5.857	5.435	Mir23a	23.402
Ism1	0.000	4.637	-2.738	1.900	-3.122	-2.489	-2.603	1.751	2.048	Pacsin3	23.119
Ndufs5-ps	0.000	4.584	0.617	5.201	0.832	0.727	0.292	5.056	5.346	Ndufs5-ps	22.799
Cd9	0.001	4.551	-1.255	3.295	-1.469	-0.715	-1.581	3.226	3.364	Tspan12	22.457
Tspan12	0.002	4.514	-1.240	3.274	-0.778	-1.501	-1.440	2.799	3.749	Ceacam12	21.701
Dcdc2a	0.000	4.497	0.029	4.526	0.151	-0.279	0.215	4.287	4.764	Dcdc2a	21.633
Ceacam12	0.001	4.488	-2.881	1.607	-2.945	-3.120	-2.579	1.291	1.923	Cd9	21.604
Ifnlr1	0.000	4.478	-2.427	2.052	-2.618	-2.149	-2.514	2.183	1.920	Ifnlr1	21.163
Dhrs3	0.004	4.475	-1.502	2.973	-1.164	-2.190	-1.151	2.570	3.376	Dhrs3	20.950
Asb11	0.001	4.459	0.427	4.886	-0.033	0.705	0.610	5.066	4.706	Asb11	20.631
Edn3	0.005	4.438	-3.136	1.302	-2.857	-3.961	-2.590	0.977	1.626	Ccdc141	20.347
Lama3	0.001	4.434	-2.324	2.110	-2.809	-1.964	-2.197	2.273	1.947	Lama3	20.129
5330439B14Rik	0.001	4.420	-1.401	3.019	-1.294	-1.884	-1.027	2.986	3.052	Foxl3	19.812
Ccdc141	0.000	4.419	1.222	5.641	1.082	1.289	1.295	5.661	5.621	5330439B14Rik	19.794
Foxl3	0.001	4.408	1.560	5.968	1.339	1.350	1.990	5.853	6.083	Edn3	19.587
Galnt9	0.004	4.396	0.331	4.728	0.649	0.864	-0.518	4.763	4.692	Tmem41b-ps	19.456
Tmem41b-ps	0.001	4.381	-1.216	3.165	-0.939	-1.722	-0.988	2.959	3.371	Spink13	18.842
Col19a1	0.009	4.357	-1.784	2.573	-1.793	-2.705	-0.855	2.318	2.827	Galnt9	18.460
Fbp2	0.002	4.323	-0.125	4.199	0.477	-0.639	-0.211	4.386	4.011	Fbp2	18.175
Spink13	0.002	4.305	0.597	4.902	0.075	0.822	0.894	5.285	4.519	Niban1	17.840
E230016K23Rik	0.007	4.301	-1.290	3.011	-1.545	-1.900	-0.424	2.608	3.414	E230016K23Rik	17.535

Niban1	0.000	4.241	-0.046	4.195	-0.267	0.003	0.126	4.092	4.298	Dpyd	17.266
Fas	0.003	4.199	-2.214	1.985	-2.861	-2.187	-1.593	2.010	1.960	Col19a1	17.220
Dpyd	0.000	4.191	-2.958	1.232	-2.766	-3.125	-2.984	1.383	1.081	Metrn	17.163
Srgn	0.002	4.188	-1.007	3.181	-1.366	-1.163	-0.492	2.895	3.468	Lmx1b	17.041
Metrn	0.000	4.188	-0.566	3.622	-0.499	-0.810	-0.389	3.490	3.753	Pigr	16.963
Lmx1b	0.000	4.174	0.292	4.466	0.524	0.204	0.148	4.310	4.623	Srgn	16.955
Pigr	0.002	4.159	0.088	4.246	0.228	-0.380	0.416	4.614	3.878	Dlk1	16.863
Tmem151b	0.002	4.151	-1.428	2.723	-1.021	-1.275	-1.988	2.420	3.026	Hcar1	16.505
Cavin1	0.000	4.120	-0.238	3.882	-0.123	-0.323	-0.269	3.819	3.945	Tmem151b	16.480
Rhou	0.002	4.119	0.186	4.305	-0.136	-0.087	0.781	4.350	4.260	Cavin1	16.377
Gm37194	0.001	4.104	-1.649	2.456	-1.568	-1.421	-1.957	2.663	2.248	Fas	16.254
Galnt4	0.000	4.092	1.824	5.916	1.940	1.919	1.613	5.815	6.017	Gm37194	16.173
Kcnj4	0.003	4.081	-1.122	2.959	-1.437	-1.375	-0.556	2.562	3.356	Galnt4	16.006
Homer3	0.001	4.067	-1.661	2.406	-1.336	-1.756	-1.891	2.172	2.640	Kcnj4	15.872
Mgst1	0.002	4.056	1.044	5.101	1.245	1.422	0.467	4.861	5.341	Homer3	15.745
Gm648	0.006	4.053	-1.408	2.645	-1.195	-2.200	-0.828	2.332	2.958	Rhou	15.622
Tmed6	0.000	4.024	3.466	7.490	3.545	3.661	3.191	7.362	7.617	Bmp3	15.281
Dlk1	0.008	4.024	-0.324	3.700	0.182	-0.689	-0.464	4.444	2.955	Mgst1	15.229
S100a6	0.002	3.988	1.254	5.242	1.600	0.821	1.342	5.521	4.964	Tmed6	15.180
Bmp3	0.006	3.976	-1.053	2.923	-0.651	-1.638	-0.869	2.360	3.487	Elovl7	15.118
Cd24a	0.001	3.964	2.640	6.604	3.026	2.152	2.743	6.720	6.488	Gm648	14.774
Car11	0.001	3.962	-0.153	3.809	0.201	-0.059	-0.602	3.653	3.964	S100a6	14.773
Hcar1	0.005	3.961	-1.508	2.453	-1.606	-1.490	-1.429	1.738	3.168	Car11	14.273
Slc15a1	0.007	3.958	-2.401	1.556	-1.619	-3.110	-2.475	1.246	1.866	Cd24a	14.183
Rab29	0.002	3.956	-0.684	3.272	-0.444	-1.282	-0.326	3.191	3.354	Malrd1	14.139
Elovl7	0.002	3.928	0.140	4.068	0.124	0.150	0.146	4.560	3.577	Rab29	13.932
C1rl	0.002	3.917	-0.610	3.307	-1.143	-0.231	-0.455	3.260	3.354	Anpep	13.911
Gm44613	0.009	3.915	-2.639	1.277	-1.703	-3.293	-2.921	1.055	1.498	Mr1	13.655
Malrd1	0.000	3.913	-0.450	3.463	-0.306	-0.550	-0.494	3.641	3.285	Mob3b	13.618
Slc5a5	0.002	3.909	-1.999	1.910	-2.518	-2.030	-1.447	1.848	1.972	C1rl	13.601
Hpse	0.003	3.907	-0.077	3.829	0.070	0.377	-0.679	3.970	3.689	Gm43305	13.541
Anpep	0.000	3.901	2.173	6.074	2.333	2.190	1.996	5.969	6.179	Slc15a1	13.533
Mob3b	0.001	3.893	0.024	3.917	0.263	-0.372	0.181	3.819	4.014	Itprp	13.479
Itprp	0.002	3.891	-0.324	3.567	-0.835	0.031	-0.169	3.738	3.395	Slc29a4	13.447
Slc29a4	0.001	3.888	1.924	5.812	2.356	1.815	1.602	5.760	5.864	Tmem98	13.437
Gm5206	0.002	3.885	0.291	4.176	0.016	0.867	-0.009	4.314	4.039	Hpse	13.413
Mr1	0.000	3.881	0.158	4.039	0.315	0.215	-0.054	3.985	4.092	Slc5a5	13.357
Igdcc4	0.002	3.867	-1.358	2.509	-1.602	-1.651	-0.820	2.693	2.326	Hes1	13.344
Tmem98	0.000	3.862	1.380	5.242	1.283	1.208	1.650	5.147	5.337	Large1	13.337
Gm43305	0.000	3.858	-2.574	1.285	-2.657	-2.469	-2.595	1.156	1.414	Tgif1	13.274
Gm24661	0.003	3.855	-0.655	3.200	-0.873	0.000	-1.091	3.232	3.167	Gm5206	13.233
Tnfrsf10b	0.003	3.845	-2.548	1.297	-2.126	-3.175	-2.344	1.393	1.201	Gm15540	13.208
Hes1	0.000	3.832	1.900	5.732	2.064	1.761	1.874	5.944	5.520	Igdcc4	13.185
Large1	0.000	3.831	-1.286	2.545	-1.157	-1.457	-1.244	2.326	2.763	Prdm1	12.883
Tgif1	0.000	3.825	-0.644	3.181	-0.748	-0.728	-0.456	3.399	2.963	Ntn4	12.846
Prdm1	0.001	3.817	-1.082	2.735	-0.736	-1.480	-1.029	2.568	2.903	Tnfrsf10b	12.759
Pdgfb	0.002	3.816	-2.401	1.416	-2.610	-1.878	-2.713	1.293	1.539	Ptprk	12.734
Mir27a	0.003	3.809	0.573	4.382	0.969	0.000	0.751	4.142	4.623	Gm24661	12.682
Ptprk	0.000	3.794	-0.193	3.602	-0.120	0.035	-0.493	3.526	3.677	Mir27a	12.670
Ntn4	0.002	3.783	-1.331	2.452	-0.913	-1.678	-1.402	2.095	2.809	Pdgfb	12.657
Baiap2l2	0.001	3.770	-1.911	1.859	-2.001	-2.176	-1.557	1.789	1.929	Mir8116	12.635
Mir8116	0.000	3.766	0.076	3.842	0.227	0.000	0.000	3.695	3.988	Gm44613	12.586
Gatm	0.000	3.718	4.590	8.308	4.628	4.432	4.710	8.143	8.472	Plat	12.458
Prkd3	0.000	3.710	-1.220	2.490	-1.061	-1.396	-1.204	2.370	2.610	Baiap2l2	12.434
Gh	0.000	3.709	3.027	6.736	2.934	2.986	3.161	6.634	6.838	Cd83	12.347
Kcnk3	0.002	3.703	-2.235	1.468	-1.808	-2.720	-2.178	1.338	1.598	Kyat3	12.237
Plat	0.002	3.689	0.141	3.830	0.197	0.237	-0.010	4.269	3.392	Gatm	12.200
Gm15540	0.006	3.689	-2.310	1.378	-2.569	-2.159	-2.203	2.051	0.706	Gh	12.078
Gm50390	0.000	3.659	0.000	3.659	0.000	0.000	0.000	3.700	3.618	Prkd3	12.077
Dnah9	0.000	3.641	0.151	3.792	0.147	0.115	0.191	3.566	4.018	Tcim	11.761
Lrp5	0.000	3.637	1.378	5.015	1.506	1.308	1.320	5.072	4.958	Kcnk3	11.658
Tcim	0.001	3.635	2.933	6.568	2.952	2.746	3.100	6.932	6.204	Gm50390	11.635
Irx2	0.000	3.632	-2.000	1.632	-1.946	-1.983	-2.071	1.564	1.700	Dnah9	11.624
Serpina7	0.001	3.623	2.344	5.967	2.132	2.160	2.740	6.159	5.775	Rspo4	11.573
Cd83	0.007	3.616	-0.701	2.915	-0.547	-1.047	-0.510	2.264	3.566	Lrp5	11.426
Litaf	0.000	3.615	0.641	4.256	0.675	0.640	0.608	4.346	4.165	Irx2	11.406

Rspo4	0.003	3.611	3.285	6.896	3.394	2.948	3.514	6.472	7.320	Gm11789	11.324
Kyat3	0.004	3.607	0.375	3.983	0.463	0.288	0.376	4.582	3.383	Litaf	11.271
Ppy	0.000	3.599	8.396	11.995	8.351	8.501	8.335	12.224	11.765	Ppy	11.255
Gm20305	0.004	3.579	0.026	3.605	-0.640	0.577	0.141	3.612	3.598	Serpina7	11.188
Gm11789	0.001	3.577	1.143	4.720	1.095	1.131	1.204	4.350	5.091	Renbp	10.697
Pyy	0.001	3.548	6.969	10.517	7.164	6.604	7.139	10.484	10.549	Lrat	10.681
Lrat	0.000	3.542	0.000	3.542	0.000	0.000	0.000	3.432	3.652	Arrdc4	10.627
Renbp	0.001	3.536	-1.311	2.226	-1.287	-1.140	-1.505	2.463	1.988	Pyy	10.519
Zfp36l1	0.000	3.523	-0.306	3.217	-0.509	-0.331	-0.079	3.202	3.232	Odad4	10.488
Gm266	0.001	3.509	-0.679	2.830	-0.960	-0.761	-0.316	3.008	2.653	Zfp36l1	10.410
Plin3	0.000	3.503	1.617	5.120	1.722	1.748	1.381	5.228	5.012	Plin3	10.296
Gdf11	0.001	3.496	-0.005	3.491	0.249	-0.259	-0.004	3.295	3.687	Gm20305	10.280
Gm25430	0.007	3.495	-2.089	1.407	-2.348	-1.353	-2.566	1.120	1.693	Gm266	10.271
Odad4	0.002	3.482	-0.211	3.271	0.010	-0.158	-0.485	2.871	3.671	Gdf11	10.268
Cald1	0.001	3.481	2.241	5.722	2.199	1.969	2.553	5.770	5.673	Shisa4	10.044
9230116L04Rik	0.001	3.480	-2.073	1.407	-1.693	-2.157	-2.370	1.413	1.401	Cald1	10.015
Arrdc4	0.002	3.479	1.999	5.477	1.924	2.185	1.887	5.034	5.921	9230116L04Rik	9.943
Arg2	0.004	3.468	-1.261	2.207	-1.845	-1.155	-0.783	2.427	1.987	Agpat4	9.932
Shisa4	0.000	3.463	-1.234	2.230	-1.090	-1.302	-1.309	2.105	2.355	Akna	9.887
Agpat4	0.000	3.446	-0.067	3.379	0.043	-0.208	-0.035	3.222	3.536	Tmem40	9.787
Cldn4	0.002	3.441	2.598	6.039	2.920	2.179	2.695	5.847	6.231	Ccdc125	9.769
Ccdc125	0.002	3.440	-1.564	1.875	-1.983	-1.509	-1.201	1.611	2.140	Ush1g	9.720
Gm12328	0.001	3.439	-1.731	1.708	-1.795	-1.385	-2.013	1.673	1.743	Cldn4	9.715
Ush1g	0.001	3.415	-1.821	1.594	-1.957	-1.595	-1.912	1.377	1.811	Gm25430	9.715
Akna	0.001	3.410	-1.736	1.674	-1.666	-1.701	-1.840	1.347	2.002	Arg2	9.710
Mapk4	0.002	3.399	1.443	4.842	1.500	0.994	1.836	4.880	4.804	Gm12328	9.671
Runx1	0.001	3.386	-1.885	1.501	-1.945	-2.087	-1.623	1.343	1.659	Runx1	9.423
Hyal1	0.001	3.370	-0.274	3.097	-0.532	0.055	-0.343	2.872	3.322	Sox4	9.370
Mill2	0.000	3.367	-0.583	2.785	-0.651	-0.389	-0.708	2.873	2.696	Bcar3	9.328
Tmem40	0.002	3.363	0.199	3.561	0.121	0.174	0.301	3.106	4.016	Hyal1	9.314
Bcar3	0.005	3.362	-2.292	1.070	-1.767	-2.514	-2.595	0.662	1.478	Mill2	9.291
Fxyd6	0.009	3.362	2.398	5.760	2.876	1.651	2.666	5.382	6.137	Ambp	9.284
Gpc6	0.001	3.357	-1.584	1.773	-1.150	-1.920	-1.683	1.714	1.831	Mapk4	9.259
Sox4	0.000	3.356	2.941	6.297	3.055	2.899	2.868	6.054	6.540	Klk1b22	9.209
Cracr2b	0.001	3.350	-2.019	1.332	-2.020	-1.672	-2.364	1.293	1.370	A530001N23Rik	9.161
Klk1b22	0.000	3.349	0.000	3.349	0.000	0.000	0.000	3.256	3.442	Th	9.113
Ambp	0.001	3.345	3.534	6.878	3.793	3.460	3.348	6.582	7.175	Cracr2b	9.008
Gcnt4	0.001	3.340	-0.764	2.576	-0.419	-1.168	-0.704	2.610	2.542	Gpc6	8.997
Th	0.000	3.339	4.118	7.457	4.088	4.175	4.092	7.449	7.465	Fxyd6	8.990
Rhbdf1	0.006	3.333	-0.603	2.730	-0.026	-1.287	-0.495	2.649	2.812	Mroh2a	8.939
Sult1c2	0.001	3.332	1.190	4.522	1.086	1.616	0.867	4.530	4.513	Gcnt4	8.905
A530001N23Rik	0.002	3.324	-1.470	1.854	-1.195	-1.648	-1.566	1.536	2.173	Sult1c2	8.828
Celsr1	0.001	3.310	1.545	4.856	1.246	1.938	1.452	4.953	4.758	Agt	8.782
Mapk13	0.001	3.303	0.203	3.506	0.581	-0.026	0.054	3.378	3.635	Celsr1	8.738
Agt	0.002	3.301	3.996	7.297	3.861	4.375	3.752	7.507	7.088	Mapk13	8.734
Ccn1	0.003	3.299	1.701	5.000	2.096	1.177	1.829	5.174	4.826	Rgs16	8.696
Tox	0.006	3.296	-1.187	2.109	-1.022	-1.823	-0.715	1.887	2.332	Sv2c	8.660
Mroh2a	0.001	3.292	1.067	4.359	1.028	0.960	1.212	4.091	4.627	Ccn1	8.585
Sv2c	0.000	3.270	-1.328	1.942	-1.308	-1.212	-1.465	1.818	2.066	Msi1	8.549
Rbp4	0.001	3.268	4.639	7.906	4.956	4.295	4.665	7.819	7.994	3010003L21Rik	8.508
Msi1	0.001	3.263	0.254	3.517	0.525	0.075	0.162	3.385	3.649	Rhbdf1	8.486
Cd44	0.001	3.258	1.998	5.256	2.129	1.601	2.264	5.152	5.361	Rbp4	8.483
Mmp15	0.000	3.257	-0.380	2.877	-0.505	-0.546	-0.088	2.815	2.939	Mmp15	8.465
F2	0.004	3.250	-1.096	2.155	-0.583	-1.606	-1.097	2.382	1.928	Tox	8.461
Serping1	0.001	3.235	2.997	6.232	3.041	2.698	3.253	6.256	6.208	Cd44	8.412
Evc	0.003	3.230	-0.031	3.199	-0.153	0.516	-0.456	3.193	3.205	Als2cl	8.373
Bach2	0.008	3.226	-1.793	1.433	-2.452	-1.649	-1.278	1.132	1.735	Dct	8.309
Als2cl	0.003	3.226	-1.898	1.327	-2.171	-2.037	-1.487	1.642	1.013	Serping1	8.303
Rgs16	0.003	3.223	3.882	7.105	4.051	3.691	3.903	6.682	7.529	Gm50250	8.247
Gm50250	0.000	3.221	4.366	7.588	4.110	4.380	4.609	7.662	7.514	F2	8.243
3010003L21Rik	0.001	3.221	0.072	3.293	0.057	0.111	0.048	3.006	3.580	Bmf	8.224
Dct	0.000	3.216	0.709	3.925	0.660	0.643	0.825	4.046	3.804	Cldn2	8.181
Bmf	0.000	3.211	-0.372	2.839	-0.322	-0.552	-0.242	2.814	2.864	Gm25911	8.173
Cldn2	0.000	3.209	0.573	3.782	0.468	0.433	0.817	3.768	3.796	Notch2	8.163
Gm48342	0.001	3.207	-1.561	1.646	-1.742	-1.747	-1.195	1.774	1.519	Gm42937	8.156
Asic2	0.002	3.202	-1.624	1.579	-1.186	-1.821	-1.864	1.510	1.647	Gm48342	8.117

Gm25911	0.000	3.200	-0.066	3.134	0.000	0.000	-0.198	3.125	3.143	Grid2ip	8.078
Notch2	0.000	3.196	-0.918	2.277	-0.969	-0.999	-0.787	2.186	2.369	Bach2	8.059
Gm42937	0.001	3.185	3.285	6.471	3.360	3.092	3.403	6.685	6.257	Uox	8.011
Gm35409	0.007	3.184	-1.676	1.508	-2.279	-1.061	-1.690	1.341	1.675	Evc	8.008
Phlda3	0.001	3.183	-0.141	3.042	-0.256	0.246	-0.412	3.148	2.936	Asic2	7.996
Grid2ip	0.002	3.181	-1.491	1.690	-1.811	-1.131	-1.532	1.400	1.980	Hopxos	7.995
Ttc16	0.001	3.172	-0.954	2.218	-0.547	-1.214	-1.101	2.256	2.181	Shroom1	7.964
Shroom1	0.001	3.172	-0.485	2.687	-0.386	-0.760	-0.310	2.565	2.808	Phlda3	7.929
Gm20400	0.006	3.166	-0.302	2.863	-0.228	-0.818	0.139	2.503	3.223	Gm20400	7.927
Nptx1	0.003	3.158	0.088	3.246	0.311	-0.425	0.379	3.076	3.417	Fhl2	7.902
Myorg	0.001	3.152	1.211	4.364	1.063	1.539	1.032	4.170	4.558	Sh3bgrl2	7.889
Sh3bgrl2	0.004	3.145	-1.811	1.333	-1.413	-2.180	-1.840	0.985	1.682	Gm11665	7.863
Gm44717	0.003	3.144	0.439	3.583	-0.026	0.586	0.756	3.410	3.755	Myorg	7.853
Uox	0.003	3.143	-1.798	1.345	-1.655	-2.145	-1.593	0.965	1.724	Dbn1	7.841
Gm11665	0.000	3.142	0.000	3.142	0.000	0.000	0.000	3.015	3.269	Mir6999	7.836
Mir6999	0.000	3.142	-0.034	3.107	-0.103	0.000	0.000	3.195	3.020	Nkx6-2	7.835
Rab11fip4	0.000	3.139	-1.207	1.932	-1.363	-1.251	-1.006	1.938	1.926	Ttc16	7.830
Spata13	0.002	3.138	0.945	4.084	1.413	0.775	0.647	4.060	4.107	Peg10	7.791
<b>Hspb8</b>	0.000	3.136	2.882	6.018	2.737	3.070	2.840	6.133	5.903	<b>Hspb8</b>	7.776
Fhl2	0.001	3.133	0.070	3.203	0.067	-0.037	0.179	3.465	2.941	Rab11fip4	7.760
Alpk1	0.000	3.130	-1.205	1.925	-1.163	-1.338	-1.114	1.923	1.927	Alpk1	7.735
Rtkn	0.000	3.112	-1.159	1.952	-1.062	-1.094	-1.321	1.745	2.160	Nptx1	7.725
Hopxos	0.006	3.110	1.262	4.371	1.238	0.949	1.598	4.868	3.874	Ube2l6	7.725
Ache	0.003	3.099	0.106	3.205	0.607	-0.279	-0.011	3.141	3.269	Rtkn	7.706
Plin2	0.000	3.098	2.479	5.577	2.500	2.563	2.374	5.527	5.626	Gm44717	7.676
Vav3	0.003	3.093	-1.466	1.626	-1.555	-1.855	-0.989	1.462	1.791	Gm35409	7.629
Tnfaip8	0.001	3.085	-0.854	2.230	-0.518	-1.074	-0.970	2.430	2.031	Spata13	7.563
Nkx6-2	0.004	3.084	1.151	4.235	1.216	0.895	1.341	3.779	4.691	Plin2	7.553
Dbn1	0.004	3.081	1.458	4.540	1.501	1.195	1.678	4.066	5.013	Tnfaip8	7.442
Rcn3	0.009	3.078	-1.063	2.014	-1.333	-1.421	-0.436	1.628	2.401	Rcn3	7.320
Krtap13-1	0.003	3.077	2.279	5.356	1.862	2.709	2.268	5.219	5.494	Vav3	7.318
Gm4356	0.001	3.067	0.174	3.240	-0.122	0.136	0.507	3.313	3.167	Ache	7.292
Peg10	0.010	3.051	-0.291	2.760	-0.043	-0.724	-0.105	3.347	2.173	Man2a1	7.267
Man2a1	0.000	3.048	3.772	6.820	3.695	3.842	3.779	6.795	6.845	Shf	7.255
<b>Hspb1</b>	0.000	3.048	3.629	6.677	3.618	3.504	3.764	6.689	6.665	Gm4356	7.254
Samd13	0.002	3.037	-0.591	2.447	-0.654	-0.294	-0.823	2.204	2.689	<b>Hspb1</b>	7.250
Shf	0.002	3.026	-0.043	2.983	0.049	-0.318	0.139	2.676	3.289	Fgfr4	7.244
Fgfr4	0.001	3.020	-0.859	2.161	-0.834	-0.772	-0.972	1.890	2.433	Krtap13-1	7.237
Ttr	0.001	3.019	6.775	9.795	6.924	6.525	6.876	9.640	9.950	Samd13	7.227
Ube2l6	0.006	3.013	0.123	3.136	0.074	0.157	0.138	3.713	2.559	Gm20186	7.190
Gm10503	0.000	3.012	2.263	5.275	2.128	2.131	2.530	5.249	5.302	Npas3	7.137
Npas3	0.001	3.003	-1.495	1.509	-1.597	-1.347	-1.540	1.780	1.238	Ttr	7.095
Sbsn	0.003	2.999	-1.913	1.086	-1.604	-1.728	-2.407	1.016	1.156	Tlr5	7.027
Tlr5	0.010	2.998	-1.373	1.625	-0.814	-1.818	-1.487	1.176	2.074	Gm10503	7.000
Capg	0.000	2.998	-0.743	2.255	-0.953	-0.709	-0.566	2.376	2.134	Capg	6.968
Tcf7l1	0.005	2.992	0.703	3.695	1.079	0.120	0.909	3.525	3.865	Wdr72	6.922
Gm20186	0.002	2.991	-0.140	2.851	-0.039	-0.275	-0.105	2.482	3.220	Vwa5b1	6.913
Gm12247	0.009	2.986	0.742	3.728	0.024	0.894	1.308	3.595	3.860	Nr4a2	6.817
Vwa5b1	0.000	2.985	-0.281	2.704	-0.283	-0.146	-0.414	2.797	2.612	Sbsn	6.784
Wdr72	0.000	2.985	-0.081	2.904	0.045	-0.293	0.006	2.747	3.061	Tcf7l1	6.705
Cd164l2	0.005	2.975	2.247	5.222	2.468	1.660	2.613	5.062	5.382	Gm30551	6.641
Nr4a2	0.001	2.955	2.606	5.560	2.537	2.515	2.764	5.778	5.343	Cd164l2	6.606
Gm30551	0.000	2.934	1.731	4.665	1.880	1.688	1.626	4.564	4.767	Gm39271	6.603
Ffar4	0.001	2.928	1.703	4.631	1.960	1.486	1.665	4.512	4.750	Ffar4	6.565
Gm39271	0.008	2.928	-1.009	1.919	-0.934	-1.524	-0.568	1.534	2.304	Gm12247	6.458
Aldh1a3	0.002	2.922	-0.324	2.599	-0.487	-0.578	0.094	2.698	2.499	Inava	6.457
Rptoros	0.003	2.918	0.096	3.014	0.274	0.433	-0.418	3.026	3.001	Gm37352	6.449
Elavl2	0.007	2.912	-1.420	1.492	-1.836	-1.654	-0.768	1.431	1.554	Serpinh1	6.444
Inava	0.001	2.905	0.415	3.320	0.676	0.323	0.247	3.193	3.448	Aldh1a3	6.431
Slc16a8	0.000	2.889	-0.525	2.364	-0.467	-0.423	-0.685	2.399	2.329	Txnip	6.419
Mvb12b	0.009	2.884	-1.822	1.062	-1.384	-1.552	-2.530	0.902	1.222	Acot2	6.395
Serpinh1	0.000	2.880	2.508	5.388	2.492	2.568	2.463	5.171	5.605	Slc16a8	6.387
Gm37352	0.001	2.880	0.602	3.481	0.518	0.747	0.541	3.234	3.729	Mir7004	6.371
Txnip	0.002	2.879	7.468	10.346	7.605	7.206	7.593	10.081	10.612	Maml2	6.335
Acot2	0.001	2.876	1.549	4.425	1.585	1.385	1.678	4.212	4.638	Rptoros	6.327
Maml2	0.000	2.873	-0.308	2.566	-0.468	-0.270	-0.184	2.432	2.700	Gcgr	6.298

Gcgr	0.000	2.868	4.593	7.461	4.763	4.480	4.537	7.339	7.583	L3mbtl3	6.253
Dnajc22	0.006	2.860	-0.676	2.185	-0.271	-1.156	-0.600	1.842	2.527	Fam110c	6.248
Fam110c	0.000	2.859	-0.278	2.581	-0.408	-0.226	-0.202	2.647	2.514	Dnajc22	6.240
Steap1	0.006	2.858	-0.598	2.260	-0.278	-0.283	-1.233	2.190	2.330	Epb41l2	6.222
Ceacam1	0.000	2.855	0.088	2.943	0.219	-0.116	0.161	2.851	3.035	Ceacam1	6.215
D730005E14Rik	0.003	2.848	-1.217	1.631	-1.590	-1.287	-0.774	1.516	1.746	Gm14236	6.167
Gm50456	0.006	2.845	0.235	3.080	0.754	0.000	-0.049	2.789	3.370	Casc1	6.134
Gm14236	0.000	2.843	0.900	3.743	0.866	0.993	0.841	3.732	3.754	Elavl2	6.129
Wfdc16	0.003	2.842	-0.874	1.968	-0.712	-1.302	-0.608	1.756	2.180	Wfdc16	6.095
Kcnq1	0.003	2.840	-0.255	2.586	0.114	-0.132	-0.746	2.662	2.509	Tbx1	6.091
Epb41l2	0.002	2.835	-1.697	1.138	-1.555	-1.972	-1.565	0.842	1.434	Gm50456	6.084
Aqp7	0.005	2.821	0.463	3.284	1.006	0.357	0.026	3.132	3.436	Cd14	6.026
L3mbtl3	0.002	2.820	0.105	2.926	0.174	0.031	0.112	2.587	3.264	Mvb12b	6.024
Tbx1	0.005	2.815	-1.670	1.144	-1.429	-1.498	-2.084	0.805	1.484	D730005E14Rik	6.024
Nupr1	0.006	2.812	4.912	7.724	5.049	4.423	5.263	8.027	7.420	Nupr1	5.972
Kctd12	0.004	2.809	4.151	6.960	4.219	3.738	4.494	6.692	7.228	Kctd12	5.971
Mir466i	0.003	2.802	0.167	2.969	0.493	0.319	-0.310	2.907	3.032	Kcnq1	5.960
Mir7004	0.006	2.802	-0.188	2.614	-0.173	0.000	-0.391	3.125	2.102	Steap1	5.945
Gab1	0.001	2.792	-0.816	1.976	-0.530	-1.074	-0.844	1.842	2.110	Lrrc39	5.927
Cd14	0.005	2.788	-0.826	1.963	-0.843	-1.128	-0.505	2.333	1.592	Gm42941	5.871
Sec14l2	0.005	2.779	-1.655	1.125	-1.488	-2.216	-1.259	1.064	1.185	Gab1	5.871
Gm50321	0.002	2.769	-1.432	1.337	-1.762	-1.205	-1.329	1.121	1.553	Prr36	5.848
Casc1	0.004	2.763	-0.968	1.795	-1.020	-1.025	-0.858	1.328	2.262	Aqp7	5.823
Gm42941	0.001	2.759	2.258	5.016	2.330	2.271	2.172	5.278	4.755	Gm50321	5.803
Tspan2os	0.010	2.758	-0.282	2.476	0.323	-0.382	-0.788	2.206	2.746	Mir466i	5.793
Pygl	0.000	2.751	0.524	3.276	0.485	0.475	0.613	3.224	3.327	Pygl	5.732
Shank1	0.000	2.746	-0.113	2.633	-0.025	-0.192	-0.122	2.587	2.679	Rassf2	5.730
Rassf2	0.001	2.742	-1.263	1.479	-1.263	-1.442	-1.083	1.262	1.696	Shank1	5.704
Tlcd2	0.004	2.737	0.115	2.852	0.581	0.073	-0.310	2.698	3.006	Pttg1	5.692
Prr36	0.004	2.737	-0.885	1.852	-0.647	-1.088	-0.919	1.469	2.235	Gm26532	5.668
Mir7093	0.002	2.729	-0.084	2.645	0.169	-0.421	0.000	2.467	2.823	Axin2	5.658
Axin2	0.002	2.727	1.066	3.793	0.924	1.322	0.950	3.552	4.033	Apc2	5.624
Gm26532	0.001	2.727	3.367	6.094	3.152	3.542	3.407	6.332	5.856	Sec14l2	5.618
Lrrc39	0.005	2.721	-0.803	1.917	-0.881	-0.830	-0.699	1.452	2.382	Mir7093	5.585
Mapkapk3	0.001	2.718	1.490	4.208	1.644	1.215	1.612	4.177	4.238	Ttc9	5.573
Pttg1	0.002	2.716	0.712	3.428	0.669	0.557	0.910	3.114	3.742	Tspan2os	5.539
Wdr49	0.002	2.712	0.276	2.988	0.127	0.094	0.607	3.168	2.807	Kl	5.522
Emid1	0.003	2.711	2.180	4.892	1.996	2.632	1.913	4.900	4.884	Mapkapk3	5.521
Angptl1	0.005	2.709	-1.690	1.019	-2.060	-1.235	-1.776	0.741	1.297	Wdr49	5.514
Ttc9	0.001	2.709	0.988	3.697	1.205	0.810	0.949	3.473	3.920	Tlcd2	5.495
Kl	0.000	2.708	3.468	6.176	3.345	3.527	3.532	6.146	6.205	Lingo4	5.488
Apc2	0.002	2.706	-1.195	1.511	-1.005	-1.282	-1.298	1.226	1.797	Muc1	5.480
Gm19032	0.002	2.705	0.406	3.112	0.077	0.350	0.792	3.145	3.079	Angptl1	5.472
Muc1	0.001	2.692	-0.111	2.580	-0.239	-0.151	0.057	2.750	2.411	Arhgap29	5.462
Smpd2	0.000	2.677	3.854	6.531	3.968	3.751	3.843	6.569	6.494	Cep162	5.420
Adgrf5	0.000	2.665	1.159	3.824	1.095	1.237	1.144	3.737	3.911	Aqp4	5.406
Nacad	0.002	2.663	1.927	4.590	2.110	2.031	1.638	4.854	4.325	Gm19032	5.388
Trim34b	0.006	2.658	-0.775	1.882	-0.382	-1.092	-0.852	2.238	1.527	Smpd2	5.387
Lingo4	0.005	2.655	-1.079	1.577	-1.304	-0.839	-1.093	1.176	1.977	Emid1	5.382
Sinhcaf	0.002	2.648	-0.004	2.644	-0.100	-0.207	0.295	2.459	2.829	Nacad	5.378
Gm10110	0.004	2.638	-1.437	1.200	-1.738	-0.989	-1.584	1.415	0.986	Trim34b	5.367
Errfi1	0.001	2.635	5.337	7.972	5.357	5.207	5.448	8.253	7.691	Adgrf5	5.350
A1cf	0.004	2.628	0.319	2.947	0.590	0.299	0.068	2.611	3.283	Gm16308	5.325
Gm16308	0.002	2.628	2.175	4.803	2.121	2.102	2.302	4.478	5.128	Errfi1	5.314
Gcg	0.004	2.627	6.857	9.484	7.019	6.461	7.091	9.234	9.734	A1cf	5.280
Arhgap29	0.006	2.627	0.474	3.101	0.573	0.570	0.278	2.642	3.560	Sinhcaf	5.249
Pgm2l1	0.001	2.624	2.684	5.308	2.712	2.622	2.717	5.074	5.542	Pgm2l1	5.244
Cyp2j12	0.002	2.621	0.798	3.419	1.032	0.820	0.542	3.212	3.627	Chrna4	5.179
Ddit4l	0.005	2.620	-1.035	1.585	-1.097	-1.465	-0.543	1.660	1.509	Gcg	5.158
Pcolce2	0.001	2.614	-0.636	1.978	-0.593	-0.938	-0.376	1.904	2.052	Cyp2j12	5.158
Aqp4	0.005	2.613	3.562	6.175	3.436	3.730	3.520	5.716	6.634	Gm10110	5.130
Chrna4	0.001	2.606	-1.052	1.554	-1.145	-0.969	-1.041	1.814	1.294	Dock5	5.072
Tshz2	0.000	2.601	3.020	5.620	3.010	2.986	3.063	5.584	5.657	Tshz2	5.066
Pamr1	0.000	2.591	2.607	5.198	2.647	2.472	2.702	5.269	5.126	Pcolce2	5.053
Tgm2	0.001	2.584	-0.149	2.435	-0.153	-0.289	-0.006	2.259	2.611	Scarf2	5.026
Thbs1	0.004	2.583	0.599	3.182	0.581	0.185	1.030	3.085	3.278	Phactr2	5.025

Kdelr3	0.001	2.580	3.722	6.302	3.795	3.461	3.908	6.223	6.380	Tgm2	5.022
Phactr2	0.001	2.578	-0.293	2.285	-0.337	-0.178	-0.365	2.078	2.492	Pamr1	5.018
Myliip	0.001	2.577	1.272	3.849	1.445	0.962	1.410	3.771	3.928	Gprc5c	4.969
Gprc5c	0.000	2.576	3.703	6.280	3.699	3.724	3.687	6.227	6.333	Gm13528	4.962
Cep162	0.009	2.574	3.595	6.169	3.581	3.542	3.662	5.600	6.738	Gm47268	4.962
Nek10	0.001	2.569	-0.027	2.541	-0.158	-0.155	0.231	2.363	2.720	Ddit4l	4.944
Gm13528	0.010	2.565	0.969	3.534	0.470	1.258	1.177	3.146	3.921	Kdelr3	4.938
Procr	0.002	2.561	1.121	3.682	1.068	0.879	1.415	3.530	3.834	Nek10	4.929
Gm47268	0.001	2.555	0.000	2.555	0.000	0.000	0.000	2.312	2.799	Myliip	4.908
Gm14165	0.008	2.554	-1.099	1.455	-1.483	-1.335	-0.478	1.440	1.471	Procr	4.864
Dock5	0.003	2.551	-0.880	1.671	-0.825	-0.866	-0.951	2.060	1.281	Plekhhb1	4.861
Slc25a18	0.001	2.548	-0.980	1.568	-0.680	-1.139	-1.121	1.435	1.701	Jph4	4.854
Cib3	0.007	2.547	1.148	3.695	1.415	0.653	1.376	3.416	3.975	Thbs1	4.836
Plekhhb1	0.003	2.543	1.678	4.222	1.975	1.440	1.621	4.491	3.953	Slc25a18	4.807
Bcl2l12	0.000	2.542	0.234	2.776	0.088	0.398	0.215	2.806	2.745	Bcl2l12	4.802
Zfp385a	0.006	2.536	-1.077	1.459	-1.562	-0.889	-0.780	1.204	1.713	Ly6h	4.798
Scarf2	0.007	2.533	2.305	4.838	2.384	2.038	2.494	4.383	5.294	Cib3	4.793
Jph4	0.001	2.527	1.103	3.630	1.226	0.994	1.090	3.359	3.902	Mboat1	4.781
Mboat1	0.000	2.525	-1.433	1.092	-1.366	-1.512	-1.421	0.946	1.238	Lama5	4.740
D16Ertd472e	0.004	2.522	-0.481	2.041	-0.919	-0.290	-0.235	2.236	1.845	Zfp385a	4.732
Plcd1	0.004	2.515	-0.017	2.498	-0.124	-0.335	0.407	2.665	2.330	D16Ertd472e	4.671
Ly6h	0.004	2.515	-1.390	1.125	-1.264	-1.679	-1.227	0.808	1.442	Akap6	4.667
Gas6	0.003	2.513	0.022	2.536	0.240	-0.350	0.177	2.705	2.366	H2-Q7	4.663
Glo1-ps	0.006	2.509	1.355	3.864	0.798	1.645	1.622	3.855	3.874	Gas6	4.657
Lama5	0.000	2.509	-0.574	1.935	-0.529	-0.565	-0.628	1.743	2.127	Espnl	4.642
Gm12735	0.008	2.509	-0.763	1.746	-0.934	-0.202	-1.153	1.534	1.957	Lad1	4.625
Lad1	0.000	2.499	2.044	4.543	1.923	2.254	1.955	4.578	4.509	Spsb1	4.624
Gm45805	0.005	2.497	2.493	4.990	2.635	2.058	2.786	5.213	4.766	Plcd1	4.618
Spsb1	0.001	2.496	0.737	3.233	0.954	0.493	0.764	3.084	3.382	Trac	4.617
Trac	0.002	2.488	0.392	2.880	0.206	0.276	0.694	2.649	3.111	Gm14165	4.589
Gm11460	0.002	2.487	1.865	4.352	1.791	2.168	1.637	4.512	4.191	Gm45805	4.586
1700063D05Rik	0.005	2.486	0.639	3.126	0.977	0.183	0.759	2.956	3.295	Gm11460	4.571
Espnl	0.000	2.485	0.091	2.576	0.131	0.036	0.105	2.394	2.758	Actn2	4.552
Ifitm2	0.002	2.477	2.674	5.151	2.580	2.406	3.035	5.018	5.283	Gm12219	4.530
Akap6	0.002	2.474	0.563	3.038	0.441	0.697	0.552	3.343	2.732	Gm12735	4.519
Gm14838	0.004	2.464	-0.673	1.791	-0.542	-1.132	-0.345	1.756	1.826	Plac8	4.517
Plac8	0.000	2.464	-0.853	1.611	-0.902	-0.876	-0.780	1.555	1.667	Gm45104	4.512
Actn2	0.002	2.461	2.215	4.677	2.102	2.096	2.447	4.429	4.924	Glo1-ps	4.499
Gm45104	0.000	2.461	0.092	2.552	0.167	-0.029	0.137	2.439	2.665	1700063D05Rik	4.498
Wwc1	0.000	2.458	2.789	5.247	2.741	2.620	3.007	5.283	5.210	Ifitm2	4.494
Gm22395	0.003	2.457	0.203	2.660	0.000	0.000	0.609	2.540	2.780	Klf10	4.491
Hmgcs1	0.000	2.457	4.053	6.510	4.019	4.186	3.953	6.439	6.582	Akr1c14	4.487
Akr1c14	0.000	2.455	3.571	6.026	3.517	3.585	3.611	5.955	6.096	Hmgcs1	4.485
Klf10	0.001	2.442	3.551	5.993	3.570	3.692	3.391	5.753	6.233	Wwc1	4.460
Zfp185	0.009	2.437	-1.160	1.277	-1.636	-0.918	-0.925	1.618	0.936	Gm17334	4.434
Gm22990	0.009	2.436	-0.505	1.931	-0.648	0.000	-0.867	2.235	1.627	Zfp185	4.426
Frem2	0.002	2.433	-1.360	1.072	-1.677	-1.307	-1.097	1.176	0.969	Cyp39a1	4.407
Gm35876	0.007	2.432	-0.592	1.840	-0.693	-1.020	-0.063	1.742	1.938	Gm22395	4.399
Cyp39a1	0.000	2.432	2.073	4.505	2.039	2.019	2.162	4.615	4.395	Il6ra	4.384
H2-Q7	0.007	2.429	-1.437	0.992	-1.324	-1.395	-1.591	1.468	0.517	Trip10	4.381
Gm17334	0.007	2.428	0.979	3.407	1.066	0.596	1.276	3.754	3.059	Gm14838	4.380
Il6ra	0.000	2.426	4.010	6.435	3.983	4.022	4.024	6.342	6.528	Gm22990	4.347
Gm12219	0.003	2.425	-0.931	1.494	-0.964	-0.969	-0.860	1.142	1.847	Kcnh6	4.345
Trip10	0.000	2.425	0.969	3.394	1.013	1.012	0.881	3.505	3.283	Gm49980	4.341
Gm49980	0.000	2.417	6.274	8.691	6.279	6.215	6.328	8.733	8.650	Frem2	4.340
Gm49413	0.004	2.416	-1.285	1.131	-1.742	-1.010	-1.102	1.156	1.106	Gm45838	4.329
Gm45838	0.000	2.416	0.187	2.602	0.214	0.266	0.080	2.637	2.568	Gfra4	4.299
Kcnh6	0.004	2.412	4.977	7.389	5.133	4.637	5.161	7.116	7.662	Esrp2	4.285
Rasal3	0.007	2.403	-0.483	1.920	-0.364	-0.138	-0.948	1.694	2.145	Srl	4.279
Esrp2	0.000	2.401	2.520	4.922	2.614	2.496	2.450	5.003	4.840	Myof	4.268
Gm13420	0.003	2.401	1.659	4.060	1.667	1.316	1.993	3.959	4.161	Gm43758	4.260
Myof	0.001	2.398	0.863	3.260	0.753	1.106	0.729	3.091	3.430	Cbr3	4.251
Gm43758	0.004	2.395	-1.377	1.018	-1.107	-1.697	-1.326	0.776	1.261	Rasal3	4.212
Lingo3	0.001	2.392	0.467	2.859	0.554	0.659	0.187	2.921	2.797	Gm49413	4.210
Srl	0.001	2.385	0.142	2.526	0.163	0.199	0.063	2.747	2.306	Gm35876	4.205
Gm24689	0.008	2.381	-0.322	2.060	-0.873	0.000	-0.091	2.232	1.887	Lingo3	4.204

1810019D21Rik	0.000	2.381	2.627	5.007	2.783	2.563	2.534	4.994	5.021	Gm13420	4.199
Gfra4	0.002	2.379	-0.460	1.919	-0.395	-0.557	-0.427	1.630	2.208	1810019D21Rik	4.193
Cbr3	0.001	2.376	1.606	3.981	1.466	1.659	1.692	3.740	4.223	Gnas	4.182
Gnas	0.000	2.375	2.127	4.502	2.221	2.129	2.030	4.468	4.536	Pdk1	4.158
Cables1	0.002	2.372	-0.109	2.263	0.188	-0.347	-0.168	2.144	2.382	Slc19a2	4.151
Slc19a2	0.000	2.371	1.920	4.290	1.993	2.035	1.731	4.326	4.254	Gpr155	4.140
Slc25a13	0.004	2.370	-0.347	2.023	-0.391	0.047	-0.697	2.074	1.972	Dpp4	4.134
Gpr155	0.000	2.365	1.236	3.600	1.403	1.102	1.203	3.689	3.512	Cables1	4.132
Nefm	0.000	2.359	3.879	6.238	3.881	3.722	4.034	6.265	6.211	Pmepa1	4.126
Mfge8	0.001	2.357	0.350	2.707	0.476	0.074	0.500	2.827	2.587	Sik1	4.115
Dpp4	0.000	2.349	2.611	4.961	2.657	2.543	2.635	4.778	5.144	Nefm	4.112
Igfbp5	0.004	2.346	4.160	6.506	4.050	4.488	3.942	6.231	6.781	Igfbp5	4.106
Sczep1os	0.001	2.342	-0.488	1.854	-0.251	-0.619	-0.595	1.784	1.924	Ctf1	4.106
Ctf1	0.000	2.341	1.558	3.898	1.594	1.534	1.544	3.715	4.082	Mfge8	4.094
Crybb1	0.004	2.334	-0.606	1.728	-0.947	-0.707	-0.165	1.736	1.719	Ror1	4.083
Smad3	0.001	2.329	0.030	2.358	0.172	0.114	-0.198	2.304	2.413	Gm24689	4.070
Insl6	0.002	2.325	0.852	3.177	1.167	0.724	0.665	3.287	3.068	Klhdc8b	4.057
Gm4332	0.000	2.324	-0.500	1.824	-0.607	-0.390	-0.504	1.778	1.869	Slc25a13	4.056
Nhs1	0.000	2.319	1.190	3.509	1.193	1.175	1.202	3.552	3.466	Sczep1os	4.042
Jam2	0.001	2.317	-1.233	1.084	-1.211	-1.466	-1.022	1.007	1.161	Gm4332	4.000
Gm14261	0.007	2.314	0.121	2.435	0.202	0.510	-0.350	2.286	2.583	Smad3	3.997
Sema4g	0.003	2.314	-0.653	1.661	-0.539	-0.960	-0.460	1.467	1.855	Nhs1	3.991
Sik1	0.008	2.311	3.127	5.438	3.272	2.831	3.279	5.850	5.027	Insl6	3.964
Gm30671	0.000	2.310	-0.924	1.386	-0.901	-0.754	-1.119	1.397	1.374	Sema4g	3.962
Gm30173	0.000	2.306	2.152	4.458	2.288	1.956	2.211	4.382	4.533	Jam2	3.951
Pmepa1	0.006	2.301	1.405	3.706	1.300	1.556	1.358	4.127	3.285	Gm30671	3.934
Ror1	0.008	2.300	-0.578	1.722	-0.307	-0.829	-0.598	1.298	2.146	Gm30173	3.929
Ldlrap1	0.001	2.297	0.774	3.071	0.929	0.720	0.673	2.920	3.222	Ldlrap1	3.927
Adnp	0.001	2.297	-0.010	2.287	-0.183	0.174	-0.021	2.128	2.445	Adnp	3.918
Pdk1	0.007	2.296	2.574	4.870	2.533	2.633	2.556	4.411	5.329	Crybb1	3.910
Kcnc1	0.000	2.290	-0.968	1.322	-0.825	-1.051	-1.028	1.203	1.440	Kcnc1	3.896
Klb	0.004	2.289	0.998	3.286	1.176	0.578	1.239	3.257	3.316	Kank2	3.880
Zfp703	0.002	2.287	1.244	3.532	0.932	1.404	1.397	3.480	3.584	Gm14261	3.855
Fut1	0.010	2.280	1.726	4.005	1.835	1.211	2.131	3.779	4.231	Spon2	3.835
Kank2	0.003	2.271	0.829	3.100	0.989	0.570	0.927	2.821	3.379	Zfp703	3.830
Spon2	0.000	2.270	2.144	4.414	2.148	2.066	2.218	4.294	4.534	Klb	3.790
Wnt5b	0.001	2.270	0.995	3.265	1.097	0.721	1.166	3.325	3.204	Wnt5b	3.784
Klhdc8b	0.009	2.265	1.029	3.294	1.193	0.976	0.918	2.816	3.773	Snx33	3.775
Socs3	0.004	2.260	5.433	7.694	5.765	5.012	5.524	7.649	7.738	Gm2115	3.757
Snx33	0.000	2.259	2.452	4.711	2.431	2.337	2.590	4.668	4.755	Fut1	3.753
Gm2115	0.002	2.254	-0.327	1.927	-0.072	-0.560	-0.350	2.098	1.756	Sh2d5	3.726
Nek5	0.004	2.251	0.282	2.533	0.477	0.532	-0.163	2.562	2.504	Mafb	3.722
Kdm6bos	0.007	2.246	-0.423	1.823	-0.080	-0.892	-0.298	1.966	1.681	Fam3d	3.706
Fam3d	0.003	2.246	0.214	2.460	0.421	-0.130	0.351	2.304	2.616	Tifa	3.701
Mafb	0.003	2.245	2.719	4.963	2.870	2.888	2.397	4.778	5.148	Myo1e	3.693
Rpl26	0.001	2.238	5.212	7.450	5.066	5.508	5.063	7.466	7.434	Vegfc	3.688
Prss8	0.000	2.234	2.028	4.262	2.112	1.842	2.129	4.312	4.211	Prss8	3.688
Myo1e	0.001	2.232	2.850	5.082	2.750	3.066	2.733	5.216	4.948	Socs3	3.684
Gm47958	0.006	2.231	1.018	3.250	1.448	0.617	0.989	3.275	3.225	Rpl26	3.666
Epha1	0.006	2.224	-0.594	1.630	-0.903	-0.102	-0.776	1.612	1.648	Nek5	3.656
Slco2a1	0.002	2.219	0.411	2.630	0.561	0.097	0.574	2.617	2.643	Grb10	3.646
Tifa	0.001	2.218	2.172	4.390	2.167	2.212	2.136	4.600	4.180	Kdm6bos	3.641
Vegfc	0.001	2.216	-0.200	2.016	-0.183	-0.090	-0.327	2.234	1.799	Gm12406	3.605
Grb10	0.000	2.213	2.945	5.157	2.898	2.896	3.040	5.276	5.039	Mcoln3	3.604
Slco1a5	0.002	2.202	-0.235	1.967	0.053	-0.339	-0.420	1.871	2.063	Slco2a1	3.604
Gm15775	0.005	2.201	-0.442	1.759	-0.659	-0.664	-0.003	1.809	1.709	Sall4	3.604
Gm12406	0.003	2.193	1.036	3.230	0.906	1.284	0.919	2.984	3.475	Ascl4	3.601
Boc	0.000	2.193	1.341	3.534	1.380	1.282	1.359	3.421	3.646	Nrsn1	3.587
Sall4	0.002	2.192	1.079	3.270	1.238	1.055	0.943	3.053	3.488	Boc	3.585
Gm24762	0.002	2.187	-0.143	2.045	0.127	-0.463	-0.091	2.010	2.080	Gm47958	3.568
Fgl2	0.000	2.182	5.300	7.482	5.213	5.267	5.421	7.472	7.492	Slco1a5	3.564
Gm49041	0.002	2.178	1.659	3.837	1.598	1.398	1.981	3.752	3.922	Mir99b	3.562
Adamtsl4	0.002	2.177	-0.908	1.269	-0.654	-0.891	-1.179	1.385	1.154	Baiap2	3.540
Mcoln3	0.003	2.177	-0.830	1.347	-0.845	-0.664	-0.981	1.651	1.043	Gm44066	3.534
Cyp4v3	0.000	2.177	3.863	6.040	3.878	3.790	3.920	5.995	6.084	Slc6a9	3.531
Sst	0.008	2.174	10.086	12.260	10.479	9.701	10.077	12.021	12.499	Epha1	3.529



Tcf7l2	0.002	2.173	0.374	2.547	0.464	0.599	0.060	2.493	2.601	Fgl2	3.528
Slc6a9	0.001	2.173	0.092	2.265	-0.009	0.039	0.247	2.083	2.447	Cyp4v3	3.521
Gm8439	0.001	2.172	0.439	2.611	0.283	0.331	0.702	2.540	2.681	Anks6	3.496
Gm44066	0.003	2.170	0.745	2.915	0.715	0.540	0.982	2.660	3.170	Gm24762	3.493
Ascl4	0.003	2.167	-1.142	1.025	-1.053	-1.247	-1.127	0.698	1.353	Gm15775	3.491
Anks6	0.000	2.167	3.276	5.443	3.332	3.239	3.258	5.358	5.527	Adamtsl4	3.488
Plekhg1	0.008	2.165	-0.937	1.229	-0.986	-1.374	-0.449	1.165	1.293	Gm8439	3.473
Sh2d5	0.009	2.164	2.221	4.385	2.316	2.160	2.187	3.904	4.865	Gm49041	3.469
Baiap2	0.005	2.163	1.078	3.242	1.310	0.847	1.079	3.546	2.938	Sst	3.465
Nrsn1	0.003	2.163	1.821	3.984	1.735	1.875	1.852	3.661	4.306	Gm31518	3.458
Dnmt3l-ps1	0.006	2.163	-0.668	1.495	-0.376	-0.530	-1.097	1.667	1.322	Tcf7l2	3.458
Gm31518	0.000	2.155	2.707	4.861	2.644	2.743	2.734	4.946	4.776	Gm44164	3.453
Gm44164	0.000	2.152	2.001	4.153	1.964	2.023	2.014	4.065	4.241	Pdlim7	3.448
Nfkb2	0.004	2.151	2.112	4.263	2.040	2.474	1.822	4.377	4.148	Fxyd1	3.423
Pygo1	0.009	2.149	0.248	2.397	0.665	0.241	-0.162	2.172	2.621	Dnmt3l-ps1	3.411
Slc14a2	0.001	2.148	1.429	3.577	1.135	1.584	1.567	3.595	3.559	Zfp503	3.403
Fxyd1	0.000	2.142	-0.685	1.458	-0.623	-0.647	-0.785	1.570	1.345	Atf3	3.399
Atf3	0.002	2.139	7.802	9.941	7.805	7.565	8.037	10.117	9.765	Artn	3.394
Artn	0.007	2.136	-1.168	0.968	-0.881	-1.087	-1.535	0.701	1.235	Slc14a2	3.389
Tmem30b	0.001	2.127	3.727	5.854	3.841	3.778	3.562	5.724	5.984	Aldh3b1	3.386
Sash1	0.000	2.125	1.606	3.731	1.684	1.605	1.527	3.691	3.770	Micall2	3.385
Prss16	0.000	2.125	0.060	2.185	0.101	-0.038	0.118	2.245	2.125	Nfkb2	3.375
Sh3bgr	0.000	2.125	0.945	3.069	0.855	1.129	0.850	3.056	3.083	Tmem30b	3.370
Pdlim7	0.004	2.124	1.910	4.034	2.056	1.951	1.723	3.712	4.356	Pygo1	3.367
Pik3c2g	0.007	2.122	0.611	2.733	0.717	0.142	0.974	2.777	2.688	Prss16	3.360
Sdc4	0.000	2.121	4.748	6.870	4.701	4.806	4.738	6.906	6.834	Sash1	3.359
Rhbdf2	0.000	2.121	0.593	2.714	0.502	0.602	0.674	2.695	2.733	Sdc4	3.351
Mlxipl	0.001	2.119	5.825	7.944	6.092	5.615	5.768	7.914	7.974	Gm26912	3.349
Fmn1	0.001	2.119	-0.023	2.095	-0.174	-0.102	0.206	1.978	2.213	Rhbdf2	3.346
Kcnk13	0.002	2.117	0.012	2.129	0.082	0.249	-0.294	2.092	2.166	Sh3bgr	3.343
Mir99b	0.009	2.116	0.000	2.116	0.000	0.000	0.000	2.581	1.651	Rsph4a	3.337
Kalrn	0.001	2.115	-0.967	1.148	-0.832	-0.853	-1.217	1.140	1.156	Plekhg1	3.337
Zfp503	0.006	2.111	1.204	3.314	1.340	1.320	0.951	2.979	3.650	Sowahb	3.334
Gna14	0.000	2.110	-0.292	1.818	-0.246	-0.223	-0.409	1.950	1.686	Gna14	3.329
Aldh3b1	0.003	2.109	2.235	4.345	2.329	2.283	2.094	4.063	4.626	Fmn1	3.328
Zfp36l2	0.000	2.107	3.987	6.094	4.086	4.015	3.860	6.051	6.138	Nrip1	3.308
Gm26912	0.004	2.105	-0.949	1.156	-0.800	-1.209	-0.838	0.877	1.436	Mlxipl	3.303
Nrip1	0.001	2.104	1.321	3.426	1.341	1.429	1.194	3.295	3.556	Zfp36l2	3.302
Sowahb	0.001	2.100	2.703	4.803	2.666	2.786	2.657	5.022	4.585	Kalrn	3.300
Ifih1	0.008	2.099	0.665	2.764	0.838	0.214	0.945	2.960	2.568	Aass	3.287
Dact3	0.006	2.097	0.047	2.144	0.089	0.433	-0.382	2.111	2.178	Kcnk13	3.286
Aass	0.001	2.095	3.332	5.427	3.194	3.336	3.467	5.594	5.261	Lsmem2	3.284
Micall2	0.004	2.095	-0.422	1.672	-0.546	-0.336	-0.385	1.328	2.016	Rdh16f2	3.278
Dnah8	0.001	2.092	3.676	5.768	3.603	3.851	3.573	5.670	5.865	Csrnp1	3.277
Tmlhe	0.001	2.088	1.586	3.674	1.680	1.396	1.682	3.744	3.604	Dnah8	3.257
Rsph4a	0.003	2.086	1.196	3.282	1.174	1.132	1.283	2.975	3.589	Tmlhe	3.239
Mir6905	0.001	2.085	-0.101	1.985	-0.302	0.000	0.000	1.996	1.973	Pik3c2g	3.235
Lsmem2	0.002	2.082	0.141	2.223	0.306	0.070	0.047	1.974	2.473	Mapk12	3.232
E030022l16Rik	0.004	2.082	0.303	2.385	0.481	-0.088	0.515	2.486	2.284	Mir6905	3.224
F2r	0.001	2.080	1.529	3.609	1.463	1.366	1.757	3.527	3.691	Ifih1	3.222
Mapk12	0.001	2.079	-0.467	1.612	-0.607	-0.486	-0.307	1.461	1.763	F2r	3.208
Gm38329	0.002	2.075	0.401	2.477	0.549	0.084	0.571	2.387	2.566	Bcl2l11	3.193
H2-T-ps	0.010	2.074	1.091	3.165	0.626	1.482	1.164	3.351	2.978	Ddo	3.190
Rdh16f2	0.003	2.072	0.029	2.101	-0.085	0.062	0.111	1.820	2.382	Gm38329	3.173
Bcl2l11	0.001	2.068	1.274	3.343	1.332	1.378	1.114	3.235	3.451	E030022l16Rik	3.171
Plekhg2	0.001	2.068	-0.298	1.770	-0.245	-0.551	-0.099	1.748	1.791	Dact3	3.170
Mexis	0.007	2.062	-0.508	1.553	-0.429	-0.140	-0.957	1.470	1.636	Plekhg2	3.159
Plaat3	0.001	2.059	1.491	3.550	1.615	1.263	1.595	3.625	3.475	Jup	3.156
Jup	0.000	2.057	2.955	5.013	3.072	2.938	2.856	4.982	5.044	Plaat3	3.146
Syde2	0.002	2.054	0.756	2.810	0.974	0.809	0.486	2.791	2.830	Creg2	3.144
Csrnp1	0.005	2.053	3.637	5.690	3.691	3.610	3.609	6.048	5.331	Gm31373	3.132
Gm31373	0.001	2.047	3.182	5.228	3.244	2.988	3.312	5.088	5.369	H2-T-ps	3.125
Gast	0.009	2.045	0.272	2.317	-0.211	0.562	0.464	2.489	2.144	Trmt9b	3.116
Trim47	0.002	2.040	-0.749	1.290	-1.005	-0.720	-0.523	1.151	1.429	Syde2	3.113
Creg2	0.001	2.039	1.179	3.218	1.299	1.157	1.081	3.010	3.426	Rin2	3.100
Trmt9b	0.007	2.032	1.725	3.757	1.406	1.980	1.788	3.467	4.046	Oas2	3.096

Ddo	0.005	2.027	1.752	3.779	1.658	1.717	1.882	3.425	4.134	Trim47	3.092
Eps8l2	0.002	2.023	2.306	4.329	2.514	2.098	2.307	4.196	4.462	Mexis	3.072
Rin2	0.002	2.022	0.348	2.370	0.262	0.498	0.283	2.145	2.595	Sbk1	3.063
Sbk1	0.001	2.021	2.524	4.546	2.696	2.458	2.420	4.409	4.682	Ralgapa2	3.060
5530401A14Rik	0.007	2.018	-0.089	1.929	-0.095	-0.487	0.316	1.875	1.983	Pros1	3.057
Erf	0.001	2.017	2.774	4.792	2.915	2.727	2.681	4.907	4.676	Eps8l2	3.054
Ttc23	0.001	2.016	-0.034	1.982	-0.072	0.172	-0.201	1.989	1.975	Erf	3.051
Slc12a4	0.000	2.012	1.572	3.584	1.695	1.403	1.617	3.540	3.627	Gast	3.047
Pros1	0.001	2.011	4.005	6.016	3.959	4.076	3.978	5.842	6.189	Crim1	3.041
Crim1	0.000	2.008	0.540	2.548	0.516	0.514	0.591	2.402	2.694	Ttc23	3.021
Acta1	0.001	2.008	0.099	2.106	0.242	-0.100	0.153	2.110	2.102	Slc12a4	3.020
Nfatc1	0.000	2.006	1.788	3.793	1.871	1.730	1.762	3.849	3.737	Slc25a24	3.015
Slc25a24	0.001	2.004	1.763	3.767	1.559	1.855	1.876	3.607	3.926	Nfatc1	3.015
Ralgapa2	0.002	2.001	2.212	4.213	2.165	2.289	2.180	3.965	4.461	Mettl27	3.009
Cebpb	0.000	2.001	4.300	6.301	4.402	4.268	4.229	6.381	6.222	Cebpb	3.005
Gm10382	0.007	1.997	3.510	5.508	3.806	3.077	3.648	5.407	5.608	Acta1	3.001
Slc12a7	0.000	1.996	2.949	4.945	3.124	2.899	2.826	4.913	4.977	H2-T23	2.995
Zc3h12a	0.005	1.991	-0.101	1.890	-0.456	0.204	-0.051	2.025	1.755	Prcp	2.975
Il15ra	0.000	1.989	1.274	3.263	1.160	1.212	1.451	3.231	3.295	Slc12a7	2.974
Mapk15	0.004	1.981	3.933	5.915	4.285	3.664	3.851	5.813	6.016	Il15ra	2.955
Prcp	0.001	1.981	0.165	2.146	0.144	0.222	0.127	1.972	2.319	5530401A14Rik	2.949
Oas2	0.007	1.980	0.319	2.299	0.351	0.297	0.309	2.699	1.899	Kcnab3	2.924
Mettl27	0.004	1.979	1.472	3.451	1.511	1.595	1.310	3.162	3.741	Zc3h12a	2.924
Kcnh8	0.006	1.978	-0.374	1.604	-0.117	-0.216	-0.790	1.526	1.682	Gm10382	2.913
4930447F24Rik	0.004	1.975	-0.515	1.460	-0.267	-0.857	-0.421	1.353	1.567	Ighd3-2	2.899
Bid	0.008	1.971	0.135	2.106	-0.059	0.604	-0.140	2.158	2.053	Mapk15	2.893
Tnfsfm13	0.002	1.967	-1.009	0.958	-0.906	-1.304	-0.817	0.977	0.940	Fam83b	2.892
Rnasel	0.004	1.965	-0.231	1.734	-0.566	-0.050	-0.077	1.568	1.900	4930447F24Rik	2.885
Fam83b	0.001	1.964	-0.571	1.393	-0.479	-0.753	-0.480	1.312	1.474	C2cd4b	2.882
Gm3946	0.003	1.964	0.802	2.766	1.106	0.604	0.695	2.614	2.917	Rnasel	2.880
5330439M10Rik	0.003	1.964	3.572	5.536	3.267	3.640	3.810	5.417	5.655	Wbscr25	2.879
H2-T23	0.006	1.963	3.067	5.030	3.247	2.946	3.007	5.375	4.685	Gm3946	2.876
Tekt2	0.005	1.962	0.965	2.927	1.125	0.594	1.177	2.796	3.059	Rab17	2.874
Igsf9	0.002	1.956	-0.477	1.479	-0.234	-0.685	-0.512	1.377	1.581	Spry1	2.874
Tenm3	0.006	1.956	3.519	5.475	3.384	3.924	3.248	5.344	5.605	Tnfsfm13	2.870
C2cd4b	0.002	1.953	6.458	8.411	6.543	6.242	6.589	8.592	8.231	Kcnh8	2.868
Ighd3-2	0.001	1.953	0.000	1.953	0.000	0.000	0.000	2.125	1.780	5330439M10Rik	2.867
Wbscr25	0.007	1.951	-0.854	1.097	-0.973	-1.056	-0.533	0.832	1.361	Gm16170	2.858
Gm29010	0.001	1.950	0.996	2.947	0.756	1.190	1.043	3.019	2.874	Igsf9	2.858
Foxp2	0.001	1.950	0.929	2.879	0.808	1.157	0.822	2.803	2.955	Tekt2	2.850
Spry1	0.003	1.948	-0.150	1.798	-0.285	-0.245	0.081	1.586	2.010	Ush2a	2.850
Ush2a	0.000	1.947	2.268	4.215	2.211	2.196	2.398	4.162	4.267	Pwwp3b	2.849
Kcnab3	0.003	1.947	3.169	5.116	3.154	3.117	3.236	4.838	5.393	Dgkz	2.847
Kremen1	0.001	1.945	3.397	5.342	3.269	3.593	3.329	5.319	5.365	Foxp2	2.845
Tsku	0.001	1.943	0.781	2.724	0.728	0.674	0.941	2.803	2.645	Gm29010	2.840
Dgkz	0.001	1.942	3.701	5.643	3.694	3.827	3.583	5.519	5.768	Tsku	2.838
Dbi	0.000	1.941	4.314	6.254	4.393	4.352	4.196	6.232	6.277	Dbi	2.833
Pwwp3b	0.001	1.940	1.913	3.853	1.885	2.013	1.842	3.715	3.991	Kremen1	2.832
Gm16170	0.003	1.936	-0.579	1.357	-0.374	-0.683	-0.680	1.122	1.593	Bid	2.815
Phgdh	0.002	1.936	4.184	6.120	4.104	3.975	4.474	6.176	6.065	Prex1	2.815
Tmem37	0.004	1.935	1.237	3.172	1.600	1.051	1.060	3.220	3.124	Tenm3	2.814
Prex1	0.000	1.933	1.783	3.716	1.815	1.675	1.859	3.755	3.676	Rhoc	2.804
Dcbld1	0.001	1.933	-0.592	1.341	-0.511	-0.838	-0.427	1.301	1.381	Trim6	2.802
Coro6	0.004	1.930	-1.054	0.875	-0.974	-0.827	-1.362	0.719	1.032	Itpr3	2.798
Ptprg	0.007	1.926	-0.227	1.699	-0.083	-0.658	0.059	1.618	1.780	Cdc14b	2.792
Cdc14b	0.000	1.926	3.892	5.818	3.818	4.028	3.831	5.862	5.773	Dcbld1	2.791
Itpr3	0.000	1.923	3.099	5.023	3.158	3.066	3.073	4.939	5.106	Phgdh	2.787
Rhoc	0.003	1.922	2.548	4.470	2.602	2.326	2.717	4.263	4.677	Coro6	2.787
Esyt3	0.005	1.918	-0.459	1.460	-0.206	-0.335	-0.835	1.363	1.557	Caskin2	2.783
Caskin2	0.000	1.917	2.679	4.596	2.704	2.764	2.568	4.481	4.711	Tmem37	2.764
Gm49894	0.008	1.916	-1.097	0.819	-0.727	-1.202	-1.361	0.571	1.067	Orai2	2.762
Cnp	0.001	1.913	2.238	4.152	2.342	2.015	2.357	4.073	4.231	Gm49894	2.761
Sema6c	0.008	1.900	0.471	2.372	0.511	0.785	0.118	2.160	2.583	Cnp	2.751
Rab17	0.009	1.900	-0.296	1.603	-0.378	-0.330	-0.181	2.011	1.195	Pcsk4	2.741
Col28a1	0.000	1.898	-1.021	0.877	-1.075	-0.893	-1.096	0.831	0.922	Esyt3	2.725
Pcsk4	0.005	1.897	4.208	6.105	4.392	3.938	4.293	5.872	6.339	Ptprg	2.724

Trim6	0.007	1.894	-0.263	1.631	-0.407	-0.319	-0.063	1.286	1.975	Col28a1	2.721
Slc8b1	0.003	1.893	0.259	2.153	0.219	0.049	0.509	2.011	2.294	H2bu2	2.721
Traf4	0.000	1.893	1.732	3.625	1.808	1.570	1.819	3.657	3.594	Evpl	2.710
Orai2	0.002	1.892	2.256	4.148	2.171	2.321	2.276	3.898	4.397	Sema6c	2.707
Amotl2	0.000	1.889	2.412	4.301	2.459	2.293	2.484	4.308	4.295	Traf4	2.704
Gm37592	0.004	1.888	0.712	2.601	0.869	0.395	0.873	2.440	2.761	Slc8b1	2.700
5730521K06Rik	0.001	1.887	1.267	3.154	1.107	1.245	1.450	3.168	3.141	Amotl2	2.698
Evpl	0.004	1.886	1.249	3.136	1.347	0.990	1.412	2.916	3.356	Anxa9	2.697
H2bu2	0.006	1.886	1.045	2.931	1.320	0.882	0.932	2.671	3.191	Gm26739	2.688
Anxa9	0.001	1.877	-0.675	1.202	-0.731	-0.693	-0.601	1.375	1.030	Gm37592	2.681
Cdk2	0.001	1.876	-0.008	1.868	0.132	-0.007	-0.148	1.799	1.936	5730521K06Rik	2.681
Fat1	0.000	1.872	2.277	4.149	2.275	2.290	2.266	4.078	4.221	Fat1	2.665
Gm26739	0.005	1.872	-0.911	0.961	-0.911	-0.693	-1.129	0.709	1.212	Cdk2	2.662
Alcam	0.001	1.867	2.814	4.681	2.851	2.667	2.922	4.550	4.812	Gm14403	2.660
Irs2	0.001	1.866	5.738	7.604	5.740	5.618	5.857	7.768	7.441	Irs2	2.660
Mex3d	0.000	1.865	1.719	3.584	1.776	1.793	1.587	3.622	3.546	Alcam	2.654
F2rl1	0.001	1.864	2.977	4.842	2.891	3.177	2.864	4.835	4.848	Gm26226	2.648
Gm26226	0.001	1.861	-0.105	1.756	-0.031	-0.036	-0.249	1.589	1.922	C2cd4c	2.647
C2cd4c	0.001	1.861	3.109	4.969	3.125	3.193	3.008	4.816	5.122	Vwa1	2.642
Itgb5	0.000	1.860	3.604	5.464	3.560	3.576	3.677	5.440	5.488	Mex3d	2.637
Gm22098	0.004	1.854	-0.518	1.336	-0.582	-0.172	-0.800	1.301	1.371	Dpy19l3	2.629
Dpy19l3	0.001	1.854	1.804	3.658	1.697	1.949	1.768	3.825	3.492	Itgb5	2.628
Ang	0.000	1.852	4.575	6.427	4.512	4.712	4.502	6.515	6.339	Rasal1	2.625
Hdac1-ps	0.002	1.852	-0.416	1.435	-0.209	-0.400	-0.639	1.357	1.513	F2rl1	2.623
Vwa1	0.002	1.851	0.025	1.876	0.027	-0.078	0.126	1.660	2.092	Rab13	2.610
Plekhh2	0.000	1.849	2.024	3.874	1.917	2.072	2.084	3.770	3.977	Ang	2.608
Tram2	0.002	1.848	0.672	2.520	0.610	0.928	0.477	2.571	2.469	Plekhh2	2.608
Arhgef2	0.000	1.848	3.126	4.974	3.193	2.998	3.186	4.909	5.038	Gm13684	2.600
Rab13	0.000	1.848	1.650	3.498	1.591	1.670	1.690	3.380	3.616	Arhgef2	2.597
Gm13684	0.000	1.847	-0.383	1.465	-0.273	-0.384	-0.491	1.566	1.364	Slc20a2	2.592
Rasal1	0.002	1.842	-0.227	1.615	-0.318	-0.248	-0.114	1.381	1.849	Dab2ip	2.588
Dab2ip	0.004	1.841	2.031	3.872	2.071	2.235	1.786	3.671	4.073	Hdac1-ps	2.588
Hspb6	0.000	1.840	3.828	5.668	3.887	3.731	3.866	5.597	5.738	Hspb6	2.580
Zbtb42	0.001	1.839	2.321	4.160	2.407	2.468	2.088	4.093	4.228	Tram2	2.572
1700048M11Rik	0.004	1.838	0.208	2.045	0.227	-0.099	0.495	2.062	2.029	Gm15638	2.561
Slc20a2	0.001	1.836	2.643	4.479	2.536	2.724	2.667	4.299	4.658	Zbtb42	2.559
Gm15638	0.000	1.832	-0.223	1.609	-0.185	-0.190	-0.294	1.559	1.660	Gm22098	2.557
Lmo4	0.001	1.832	0.792	2.624	0.612	0.952	0.812	2.671	2.576	Gm27399	2.552
Gm27399	0.000	1.828	0.000	1.828	0.000	0.000	0.000	1.840	1.817	Lmo4	2.545
Gm2065	0.007	1.827	0.475	2.302	0.465	0.166	0.795	2.497	2.106	Golm1	2.544
Gm14403	0.009	1.827	2.525	4.352	2.382	2.663	2.530	4.733	3.970	Gm23935	2.542
mt-Te	0.002	1.826	1.311	3.137	1.304	1.129	1.501	3.017	3.257	Ttyh3	2.542
Golm1	0.000	1.825	3.093	4.918	3.038	3.112	3.129	4.979	4.857	mt-Te	2.538
Gm23935	0.003	1.825	9.723	11.548	9.537	9.949	9.683	11.718	11.377	Gm17529	2.537
Gm43462	0.001	1.824	-0.216	1.608	-0.148	-0.386	-0.115	1.540	1.675	Gm43462	2.533
n-R5s197	0.007	1.824	0.299	2.123	-0.067	0.665	0.299	2.038	2.208	1700048M11Rik	2.524
Gm17529	0.006	1.820	-0.527	1.294	-0.244	-0.743	-0.593	1.519	1.068	Gm2065	2.524
Col7a1	0.001	1.819	-0.877	0.942	-0.843	-1.091	-0.697	0.972	0.911	Col7a1	2.506
Zfp36	0.001	1.817	6.561	8.378	6.650	6.321	6.712	8.369	8.387	Mir6236	2.500
Zfta	0.002	1.817	1.865	3.681	1.779	2.134	1.681	3.619	3.743	Zfp36	2.499
Gm48562	0.005	1.813	1.463	3.276	1.325	1.276	1.790	3.436	3.116	Zfta	2.493
Ttyh3	0.003	1.813	1.535	3.348	1.453	1.458	1.695	3.130	3.565	Asap3	2.492
Tmprss2	0.009	1.811	0.983	2.794	1.117	0.533	1.299	2.773	2.815	Gm49216	2.491
Slc16a2	0.009	1.809	-0.564	1.245	-0.164	-0.962	-0.566	1.197	1.293	Gm48562	2.488
Mir6236	0.003	1.805	9.544	11.350	9.343	9.729	9.561	11.525	11.174	Hspa2	2.475
Gm49216	0.002	1.805	0.604	2.409	0.632	0.405	0.776	2.549	2.269	n-R5s197	2.472
Baz1a	0.001	1.801	1.181	2.982	1.072	1.122	1.350	2.998	2.966	Baz1a	2.472
Zfp217	0.000	1.799	0.788	2.587	0.843	0.631	0.889	2.553	2.621	Zfp217	2.470
Lonrf1	0.004	1.797	0.453	2.250	0.745	0.437	0.177	2.213	2.287	Lgi4	2.464
Cebpa	0.005	1.796	0.181	1.977	-0.077	0.517	0.103	1.901	2.053	Chrm4	2.459
Asap3	0.002	1.795	1.553	3.349	1.689	1.464	1.507	3.163	3.535	Ptger4	2.449
Angptl7	0.006	1.793	5.956	7.748	5.831	6.325	5.711	7.835	7.662	Lzts2	2.443
Gm5900	0.009	1.793	-0.583	1.210	-0.401	-0.991	-0.357	1.382	1.037	Agrn	2.440
Ptger4	0.001	1.789	0.952	2.742	0.772	0.994	1.090	2.832	2.652	ErbB3	2.437
Chrm4	0.000	1.788	2.022	3.810	2.022	2.068	1.975	3.716	3.903	Lonrf1	2.432
Agrn	0.002	1.787	2.188	3.976	2.314	1.967	2.285	4.077	3.875	Tmprss2	2.425

Hspa2	0.002	1.785	3.985	5.770	4.011	4.056	3.886	5.570	5.969	Cebpa	2.425
Erbp3	0.001	1.784	-0.176	1.608	-0.370	-0.108	-0.051	1.502	1.714	Gm5900	2.424
Lgi4	0.005	1.778	-0.974	0.804	-0.843	-1.197	-0.881	0.548	1.061	Slc16a2	2.418
Lzts2	0.002	1.770	4.083	5.853	4.078	4.169	4.000	5.646	6.060	Angptl7	2.411
Junb	0.002	1.770	8.552	10.321	8.714	8.283	8.658	10.381	10.262	Ffar2	2.408
Pkhd1	0.000	1.769	1.269	3.038	1.271	1.378	1.157	3.066	3.009	Paxip1	2.405
2510016D11Rik	0.002	1.766	2.980	4.746	3.223	2.863	2.855	4.629	4.864	Pkhd1	2.402
Arl4d	0.002	1.765	3.676	5.441	3.534	3.576	3.918	5.459	5.423	Fzd4	2.392
Grk4	0.007	1.762	0.788	2.549	0.677	1.124	0.561	2.351	2.748	2510016D11Rik	2.388
Fbxw18	0.000	1.761	4.563	6.324	4.490	4.587	4.612	6.326	6.323	Fbxw18	2.387
Paxip1	0.001	1.760	4.069	5.830	4.023	4.078	4.108	5.677	5.982	Catsperd	2.386
Fzd4	0.001	1.759	0.324	2.083	0.361	0.394	0.217	2.202	1.964	Junb	2.384
Ier2	0.002	1.759	8.269	10.028	8.377	8.026	8.404	9.994	10.063	Cpt1a	2.380
Catsperd	0.001	1.758	-0.875	0.884	-0.895	-0.987	-0.741	1.002	0.765	Gm50256	2.375
Ffar2	0.004	1.757	4.963	6.721	5.019	4.765	5.106	6.486	6.956	Arl4d	2.375
Cpt1a	0.000	1.755	3.180	4.935	3.119	3.265	3.157	4.836	5.035	Grk4	2.374
Gm16091	0.009	1.751	1.777	3.528	1.342	1.970	2.020	3.632	3.424	Abca1	2.371
Gm50256	0.007	1.749	1.817	3.566	1.579	1.774	2.098	3.816	3.317	Ier2	2.363
Mansc1	0.004	1.742	2.847	4.589	2.727	2.717	3.099	4.403	4.776	Mansc1	2.347
Slc23a4	0.002	1.737	1.251	2.988	1.359	1.383	1.012	3.044	2.932	Pik3c3	2.328
Gm50012	0.000	1.736	-0.052	1.684	0.040	-0.178	-0.018	1.643	1.726	Gm50012	2.326
Pik3c3	0.000	1.734	4.906	6.640	4.902	4.870	4.947	6.593	6.688	Tfcp2l1	2.321
Abca1	0.005	1.733	3.907	5.640	3.851	4.071	3.800	5.371	5.909	Slc23a4	2.313
Nbeal2	0.001	1.733	3.007	4.740	3.123	3.121	2.778	4.761	4.719	Stard5	2.311
Gm12299	0.002	1.731	0.404	2.136	0.476	0.162	0.575	2.060	2.211	Atp5l	2.309
Tfcp2l1	0.001	1.731	0.673	2.403	0.773	0.716	0.529	2.290	2.517	Gm5824	2.308
Itpr2	0.007	1.731	0.037	1.767	0.255	0.145	-0.290	1.953	1.582	Mir1943	2.305
Rab43	0.000	1.727	-0.831	0.896	-0.961	-0.687	-0.846	0.913	0.880	Itpr2	2.304
Plekha7	0.000	1.724	0.416	2.140	0.557	0.324	0.368	2.188	2.093	Nbeal2	2.303
Tspan33	0.000	1.723	2.965	4.687	2.960	3.037	2.897	4.679	4.696	Gm16091	2.302
Pde4d	0.009	1.722	0.078	1.800	0.044	-0.216	0.406	1.594	2.007	Rab43	2.301
Stard5	0.002	1.721	2.114	3.835	2.016	2.040	2.287	3.650	4.020	Gm12299	2.301
Mir1943	0.001	1.718	2.962	4.680	2.959	3.048	2.879	4.521	4.839	Tspan33	2.298
Mir7048	0.010	1.717	1.367	3.084	0.969	1.379	1.751	3.075	3.092	Plekha7	2.298
Srgap1	0.000	1.713	0.832	2.545	0.860	0.865	0.770	2.548	2.541	Pde4d	2.281
Fhod1	0.001	1.713	1.163	2.875	1.290	1.214	0.983	2.903	2.848	Srgap1	2.276
Adora1	0.007	1.712	1.669	3.381	1.587	2.048	1.373	3.412	3.350	Prdm11	2.269
Slain1os	0.001	1.710	-0.633	1.077	-0.771	-0.661	-0.466	1.066	1.089	Fhod1	2.265
Top1mt	0.001	1.708	-0.909	0.799	-1.082	-0.901	-0.744	0.884	0.715	Slain1os	2.259
Prdm11	0.000	1.708	-0.667	1.041	-0.691	-0.745	-0.564	0.942	1.140	Top1mt	2.258
Atp5l	0.004	1.706	1.794	3.500	1.843	1.869	1.670	3.243	3.757	Nde1	2.258
Nde1	0.000	1.706	2.791	4.497	2.673	2.851	2.849	4.485	4.509	Cas2	2.257
Gm5824	0.003	1.705	-0.546	1.158	-0.505	-0.564	-0.571	0.909	1.408	Kdm7a	2.248
Hdc	0.002	1.703	-0.926	0.777	-0.814	-0.789	-1.174	0.876	0.678	Cacnb1	2.243
Cas2	0.000	1.700	2.426	4.127	2.445	2.392	2.442	4.025	4.228	Hdc	2.240
Myo5b	0.000	1.694	2.694	4.389	2.712	2.756	2.615	4.370	4.408	Phf21b	2.236
Phf21b	0.000	1.694	4.255	5.949	4.270	4.263	4.231	5.931	5.967	Myo5b	2.234
Def6	0.001	1.694	0.497	2.191	0.614	0.313	0.565	2.185	2.198	Numbl	2.233
Kdm7a	0.001	1.694	3.230	4.924	3.180	3.191	3.321	4.777	5.071	Zfp568	2.228
Gm44545	0.003	1.694	0.692	2.386	0.808	0.395	0.873	2.364	2.407	Pon2	2.226
4930405N21Rik	0.004	1.693	1.020	2.713	0.686	1.237	1.135	2.704	2.722	E130308A19Rik	2.225
E130308A19Rik	0.002	1.692	0.489	2.181	0.609	0.581	0.276	2.065	2.298	Dgka	2.223
Nfia	0.001	1.692	-0.047	1.645	-0.217	0.089	-0.014	1.636	1.653	Def6	2.222
Pon2	0.002	1.688	2.878	4.566	2.724	2.874	3.036	4.709	4.424	Akr1b8	2.219
Dgka	0.002	1.688	2.441	4.129	2.508	2.263	2.552	3.998	4.259	Nfia	2.219
Gm7160	0.001	1.687	3.042	4.729	3.133	3.153	2.841	4.648	4.810	Nt5dc2	2.214
Akr1b8	0.002	1.687	0.186	1.872	0.032	0.180	0.345	1.746	1.999	Adora1	2.213
Chrn1	0.003	1.685	-0.273	1.413	-0.524	-0.024	-0.270	1.328	1.497	Ccdc120	2.211
Zfp568	0.001	1.682	4.757	6.439	4.695	4.784	4.792	6.278	6.601	Gm7160	2.209
Ccdc120	0.001	1.682	2.301	3.983	2.346	2.383	2.174	3.876	4.090	Mir7048	2.209
Gm15473	0.002	1.675	0.030	1.705	0.268	-0.108	-0.071	1.623	1.787	Gm44545	2.201
Cacnb1	0.005	1.674	2.108	3.782	2.202	2.115	2.007	3.508	4.055	Vangl2	2.201
Cryba2	0.001	1.673	3.718	5.391	3.864	3.610	3.679	5.265	5.517	Gm25827	2.196
Vangl2	0.002	1.673	-0.319	1.354	-0.271	-0.489	-0.196	1.175	1.533	Cryba2	2.193
Parm1	0.000	1.672	1.422	3.094	1.327	1.496	1.441	3.187	3.001	4930405N21Rik	2.191
Numbl	0.003	1.672	1.391	3.063	1.459	1.310	1.403	2.808	3.317	Parm1	2.189

Nt5dc2	0.002	1.671	3.347	5.018	3.390	3.277	3.374	4.817	5.220	Chrnbl	2.189
Gm13717	0.000	1.671	0.000	1.671	0.000	0.000	0.000	1.614	1.728	Gm13717	2.187
Chd7	0.002	1.671	4.258	5.929	4.247	4.097	4.432	6.040	5.818	Speg	2.182
Arid3a	0.001	1.670	2.478	4.148	2.278	2.561	2.596	4.161	4.135	Chd7	2.179
1700017B05Rik	0.003	1.669	1.994	3.663	2.070	2.155	1.759	3.531	3.795	Gm15473	2.176
Galnt10	0.000	1.665	4.038	5.703	3.928	4.178	4.008	5.676	5.730	1700017B05Rik	2.171
Gm38158	0.005	1.664	0.942	2.606	0.744	1.292	0.789	2.627	2.585	Arid3a	2.167
Speg	0.001	1.664	2.151	3.815	2.094	2.230	2.128	3.955	3.675	Galnt10	2.163
Gm42502	0.006	1.663	-0.157	1.505	-0.355	0.193	-0.310	1.591	1.420	Ppp1r3d	2.155
Trnp1	0.001	1.660	4.521	6.181	4.513	4.692	4.358	6.136	6.226	Pim1	2.154
Bspry	0.000	1.660	3.138	4.797	3.046	3.085	3.283	4.760	4.835	Bspry	2.152
Ppp1r3d	0.001	1.659	2.120	3.779	1.974	2.261	2.125	3.685	3.873	Trnp1	2.147
Gm25827	0.003	1.659	-0.044	1.615	0.000	0.000	-0.132	1.384	1.846	Gm26887	2.141
Pim1	0.000	1.655	2.318	3.973	2.398	2.267	2.291	4.074	3.873	Klhl36	2.139
Fam221a	0.002	1.654	0.504	2.158	0.513	0.309	0.690	2.055	2.262	Fam221a	2.138
Cotl1	0.001	1.650	5.164	6.814	5.310	5.147	5.035	6.867	6.761	Zfp870	2.132
Klhl36	0.000	1.649	3.454	5.103	3.546	3.445	3.372	5.016	5.191	Cotl1	2.131
Ubtd1	0.002	1.648	2.260	3.908	2.061	2.471	2.246	3.885	3.931	Rorc	2.127
Gm11131	0.007	1.648	-0.651	0.997	-0.289	-0.911	-0.751	1.041	0.954	Gm42502	2.123
Zfp870	0.003	1.648	0.800	2.447	0.745	0.651	1.003	2.301	2.594	lqcd	2.122
Trim7	0.007	1.646	0.842	2.488	1.121	0.893	0.512	2.353	2.622	Gm38158	2.122
Afap1	0.001	1.641	0.268	1.909	0.365	0.122	0.317	1.818	2.001	Gm45527	2.117
lqcd	0.001	1.640	-0.734	0.906	-0.887	-0.669	-0.646	0.769	1.043	Afap1	2.117
Dusp6	0.003	1.637	2.368	4.006	2.307	2.202	2.596	3.861	4.151	Ubtd1	2.113
Gm13829	0.000	1.637	0.000	1.637	0.000	0.000	0.000	1.602	1.672	Gm13829	2.111
Efna2	0.002	1.636	1.536	3.173	1.498	1.390	1.722	3.034	3.312	Efna2	2.109
Gm26714	0.001	1.635	-0.356	1.278	-0.342	-0.501	-0.226	1.240	1.317	Gm11339	2.106
Shc2	0.001	1.634	4.340	5.974	4.355	4.446	4.221	5.869	6.080	Dusp6	2.106
Nynrin	0.004	1.634	1.623	3.257	1.837	1.697	1.337	3.221	3.293	Shc2	2.105
Gm26887	0.010	1.631	-0.602	1.030	-0.461	-0.858	-0.486	0.730	1.329	Gm26714	2.096
Clcn5	0.000	1.628	1.854	3.482	1.870	1.850	1.843	3.433	3.531	Trim7	2.096
Mir1938	0.009	1.627	2.183	3.810	1.991	2.594	1.965	3.729	3.891	Clcn5	2.092
Gm11339	0.007	1.627	1.714	3.340	1.935	1.727	1.480	3.096	3.585	Sult1d1	2.084
Ptges3l	0.001	1.627	0.202	1.828	0.034	0.304	0.268	1.852	1.805	Gm11131	2.081
Tpst2	0.000	1.624	4.975	6.599	5.078	4.890	4.957	6.570	6.629	Rem2	2.080
Pon3	0.000	1.623	2.301	3.924	2.262	2.281	2.360	3.947	3.901	Pon3	2.080
Rorc	0.007	1.620	3.574	5.194	3.630	3.674	3.419	4.905	5.484	Tpst2	2.079
Rem2	0.004	1.618	1.768	3.386	1.948	1.561	1.795	3.189	3.584	Ptges3l	2.078
Gucy2c	0.001	1.615	5.081	6.696	4.915	5.097	5.232	6.614	6.778	Nynrin	2.072
Gm47580	0.005	1.615	-0.846	0.769	-0.637	-1.166	-0.735	0.838	0.699	D030028A08Rik	2.069
Sult1d1	0.003	1.614	1.618	3.232	1.773	1.536	1.545	3.443	3.020	Gm47163	2.057
Rras	0.007	1.613	2.771	4.384	2.639	3.107	2.566	4.257	4.511	Gucy2c	2.055
Ust	0.000	1.610	2.725	4.335	2.660	2.798	2.717	4.292	4.379	Fcho1	2.055
Gm47163	0.001	1.607	5.384	6.992	5.379	5.493	5.282	6.848	7.136	Gm10499	2.053
Gm45527	0.009	1.607	-0.843	0.764	-0.769	-0.774	-0.987	0.436	1.091	Ust	2.052
Midn	0.002	1.607	5.001	6.608	5.175	4.830	4.998	6.726	6.489	Midn	2.041
Gm10499	0.002	1.606	-0.579	1.027	-0.432	-0.591	-0.715	0.866	1.187	Cyp2d22	2.041
Cyp2d22	0.004	1.605	0.343	1.948	0.199	0.259	0.571	1.785	2.110	Gm42755	2.037
Glcc1	0.001	1.602	0.093	1.695	-0.038	0.211	0.106	1.588	1.802	Glcc1	2.037
Egr3	0.001	1.602	1.666	3.268	1.755	1.468	1.775	3.349	3.187	Mir1938	2.030
Stard8	0.007	1.601	-0.589	1.013	-0.240	-0.664	-0.862	1.004	1.021	Gm47580	2.028
D030028A08Rik	0.004	1.600	1.622	3.222	1.614	1.524	1.726	2.983	3.461	Rras	2.028
Gm3336	0.005	1.598	-0.379	1.219	-0.254	-0.231	-0.653	1.044	1.393	Egr3	2.026
Gm42755	0.002	1.597	3.930	5.527	3.791	3.946	4.054	5.359	5.695	Zfp773	2.025
Gm25219	0.010	1.596	0.991	2.587	0.631	1.193	1.150	2.403	2.772	Gm3336	2.023
Col9a2	0.001	1.589	2.068	3.657	2.102	2.146	1.956	3.544	3.770	Rps2-ps9	2.020
Cfap300	0.009	1.589	-0.207	1.381	-0.561	0.060	-0.121	1.244	1.519	Col9a2	2.013
9130230N09Rik	0.006	1.588	0.240	1.827	0.542	0.035	0.143	1.962	1.693	Onecut2	2.003
Bhlhe40	0.000	1.587	4.284	5.871	4.309	4.192	4.352	5.890	5.851	Gm25219	2.003
Onecut2	0.001	1.586	0.158	1.744	0.316	0.039	0.118	1.622	1.865	Bhlhe40	2.001
Fcho1	0.007	1.584	0.737	2.322	0.736	0.874	0.603	2.023	2.621	H2-K1	2.000
Tlr3	0.003	1.584	0.700	2.284	0.873	0.804	0.423	2.291	2.277	Tmtc3	1.995
Rps2-ps9	0.005	1.582	-0.748	0.834	-0.934	-0.617	-0.693	1.064	0.604	Gm43031	1.993
Lpar6	0.001	1.579	2.146	3.725	2.076	2.300	2.062	3.644	3.807	Tnr	1.992
H2-K1	0.002	1.577	6.674	8.250	6.796	6.609	6.616	8.427	8.073	Lpar6	1.985
Gm22637	0.002	1.576	0.462	2.038	0.490	0.263	0.634	1.981	2.095	Stard8	1.984

Inpp1	0.001	1.575	4.129	5.704	4.170	4.219	3.997	5.590	5.818	9130230N09Rik	1.984
Gm43031	0.001	1.575	0.795	2.370	0.900	0.782	0.704	2.529	2.211	Inpp1	1.982
Gm47817	0.009	1.572	-0.410	1.162	-0.303	-0.770	-0.156	1.026	1.297	Cldn23	1.977
Gm45774	0.003	1.571	0.217	1.788	0.202	0.412	0.036	1.628	1.947	Cfap300	1.974
Dtx1	0.006	1.570	0.309	1.879	0.322	0.539	0.066	1.704	2.053	Actn3	1.972
BC046401	0.006	1.569	0.685	2.254	1.008	0.641	0.406	2.207	2.302	Gm45774	1.972
Tjp3	0.002	1.567	2.679	4.246	2.753	2.794	2.488	4.339	4.152	Tlr3	1.970
Gm30934	0.009	1.567	1.732	3.299	1.649	1.521	2.026	3.069	3.528	Gm22637	1.967
Mdm1	0.001	1.566	5.074	6.640	5.151	4.946	5.126	6.745	6.535	Gm30934	1.966
A330023F24Rik	0.000	1.566	1.799	3.365	1.694	1.798	1.906	3.341	3.388	Pxylp1	1.965
H2-Eb1	0.003	1.566	0.841	2.406	0.603	0.913	1.006	2.299	2.514	Dtx1	1.964
Pxylp1	0.001	1.563	3.214	4.778	3.233	3.134	3.276	4.907	4.648	Gm17024	1.963
Cldn23	0.002	1.562	3.238	4.800	3.311	3.183	3.221	4.607	4.993	Mdm1	1.963
Zfp773	0.009	1.562	0.076	1.638	-0.015	0.065	0.179	1.969	1.307	Fzd6	1.959
Fzd6	0.002	1.559	2.837	4.396	2.899	2.705	2.906	4.561	4.230	Tjp3	1.956
Actn3	0.010	1.558	-0.575	0.983	-0.817	-0.537	-0.370	0.711	1.255	A330023F24Rik	1.956
Tmtc3	0.006	1.557	4.245	5.803	4.193	4.343	4.199	5.525	6.080	Klf11	1.948
Gm47218	0.009	1.557	1.176	2.733	1.416	0.779	1.331	2.737	2.728	H2-Eb1	1.948
Nectin2	0.001	1.557	4.205	5.762	4.124	4.298	4.194	5.648	5.876	Nectin2	1.947
Klf11	0.001	1.554	3.917	5.471	3.927	3.890	3.933	5.340	5.602	Zfp970	1.947
Lamc2	0.001	1.554	1.622	3.175	1.534	1.740	1.590	3.253	3.098	Gm47817	1.939
Npas2	0.001	1.551	0.909	2.460	0.830	0.806	1.090	2.492	2.428	Hmg20b	1.935
Amotl1	0.000	1.551	2.774	4.325	2.728	2.737	2.858	4.304	4.347	Lamc2	1.935
Pbxip1	0.000	1.550	5.136	6.686	5.157	5.127	5.122	6.626	6.746	Pbxip1	1.931
Tmem132a	0.004	1.550	0.881	2.431	1.111	0.874	0.658	2.319	2.542	Amotl1	1.928
Efna1	0.000	1.548	1.155	2.703	1.119	1.100	1.247	2.689	2.718	BC046401	1.926
Gm17024	0.004	1.547	4.511	6.059	4.461	4.495	4.577	6.303	5.814	Efna1	1.921
Hmg20b	0.001	1.546	3.923	5.469	3.990	3.913	3.866	5.311	5.626	Cyp46a1	1.920
Tnr	0.009	1.545	0.366	1.910	0.376	0.280	0.441	1.577	2.243	Npas2	1.919
Gm48249	0.005	1.544	0.929	2.473	0.999	0.636	1.151	2.583	2.363	Pkd1l3	1.917
Irak3	0.001	1.543	-0.022	1.522	-0.039	-0.131	0.105	1.441	1.602	Nol4l	1.916
Nol4l	0.001	1.537	2.724	4.261	2.732	2.714	2.727	4.119	4.404	H3f3b	1.914
Pkd1l3	0.001	1.537	-0.302	1.235	-0.373	-0.310	-0.222	1.074	1.396	Irak3	1.913
Scarb1	0.000	1.537	1.554	3.091	1.626	1.458	1.578	3.090	3.091	Tmem132a	1.912
mt-Nd6	0.003	1.537	10.725	12.262	10.735	10.500	10.942	12.317	12.207	Nhs12	1.903
Eif4ebp3	0.001	1.536	0.214	1.750	0.288	0.283	0.070	1.674	1.826	Man1c1	1.901
Man1c1	0.005	1.536	3.768	5.304	3.677	4.013	3.615	5.487	5.122	Scarb1	1.898
Sh3bp2	0.004	1.536	-0.430	1.105	-0.359	-0.682	-0.250	0.975	1.235	Eif4ebp3	1.897
E230013L22Rik	0.000	1.535	0.607	2.142	0.613	0.549	0.658	2.113	2.170	E230013L22Rik	1.897
H3f3b	0.005	1.535	7.168	8.703	7.357	7.005	7.142	8.492	8.914	Insrr	1.896
Luzp2	0.006	1.534	0.507	2.041	0.552	0.200	0.768	2.032	2.049	Gm48249	1.893
Zfp970	0.005	1.533	2.093	3.626	2.100	2.047	2.132	3.905	3.347	Gm47218	1.890
Insrr	0.002	1.529	6.726	8.256	6.850	6.610	6.719	8.104	8.407	Sh3bp2	1.888
Cyp46a1	0.006	1.529	1.409	2.938	1.430	1.248	1.549	2.686	3.191	Lhx1	1.888
Pkdcc	0.000	1.529	5.460	6.989	5.529	5.346	5.505	7.020	6.959	Pkdcc	1.882
Nhs12	0.004	1.526	-0.063	1.463	-0.108	-0.175	0.095	1.249	1.678	mt-Nd6	1.881
Gm14201	0.003	1.525	3.079	4.604	2.938	3.310	2.989	4.474	4.735	Gpr119	1.877
Oasl1	0.008	1.525	-0.336	1.189	-0.351	-0.045	-0.610	1.331	1.046	Gm14201	1.871
C630043F03Rik	0.001	1.524	1.119	2.643	0.985	1.074	1.298	2.650	2.637	Cbfa2t3	1.871
Lhx1	0.002	1.524	2.209	3.733	2.270	2.268	2.089	3.892	3.574	C630043F03Rik	1.864
Cbfa2t3	0.001	1.521	3.437	4.957	3.580	3.370	3.360	4.843	5.071	Cnksr3	1.860
Gm27415	0.007	1.520	1.906	3.427	1.842	1.668	2.209	3.556	3.298	Luzp2	1.859
Frrs1	0.000	1.516	1.322	2.838	1.449	1.294	1.222	2.829	2.846	Oasl1	1.854
Gm14681	0.001	1.508	0.280	1.788	0.314	0.139	0.385	1.835	1.741	Frrs1	1.854
Gm44706	0.005	1.507	1.100	2.607	1.015	0.889	1.398	2.645	2.569	2310022B05Rik	1.849
mt-Nd5	0.002	1.506	10.715	12.221	10.787	10.504	10.855	12.282	12.160	Gm27415	1.845
Gm45623	0.002	1.505	2.025	3.530	1.858	2.095	2.123	3.639	3.421	Prrt1	1.840
Cnksr3	0.002	1.505	2.988	4.493	2.998	2.933	3.032	4.307	4.678	Map3k15	1.840
Gpr119	0.007	1.504	4.413	5.917	4.287	4.396	4.557	5.646	6.187	Gm14681	1.839
Gm45486	0.004	1.504	4.801	6.304	4.993	4.622	4.786	6.144	6.465	Gm45486	1.837
Cracdl	0.003	1.503	2.442	3.945	2.481	2.261	2.583	3.805	4.084	Gm45623	1.837
Gm15518	0.008	1.502	-0.593	0.908	-0.822	-0.281	-0.678	0.756	1.061	Cracdl	1.835
Arhgef37	0.002	1.500	1.533	3.033	1.639	1.348	1.613	2.912	3.155	mt-Nd5	1.827
Frmf6	0.002	1.499	-0.577	0.922	-0.493	-0.790	-0.448	0.893	0.952	Arhgef37	1.827
Map3k15	0.003	1.497	6.577	8.075	6.590	6.446	6.696	7.886	8.264	Mocos	1.819
Mocos	0.000	1.496	1.226	2.722	1.249	1.152	1.276	2.685	2.758	Frmf6	1.813

Prrt1	0.003	1.493	2.865	4.358	2.946	2.854	2.795	4.156	4.561	Gm15518	1.812
2310022B05Rik	0.005	1.492	5.751	7.244	5.714	5.878	5.662	6.998	7.489	Gm44706	1.810
Kdm6b	0.001	1.489	4.209	5.698	4.318	4.147	4.161	5.604	5.792	Kdm6b	1.809
4930550C14Rik	0.003	1.487	2.258	3.745	2.333	2.431	2.010	3.792	3.699	Gm50242	1.809
Bri3	0.002	1.481	4.191	5.672	4.149	4.366	4.057	5.553	5.792	Cry1	1.800
Gm50242	0.001	1.481	1.312	2.793	1.255	1.340	1.340	2.628	2.958	Dpp6	1.791
Gm25193	0.004	1.477	2.849	4.326	2.812	2.638	3.097	4.383	4.268	Jade3	1.791
Cryz	0.001	1.476	2.248	3.724	2.347	2.315	2.084	3.781	3.667	Bri3	1.790
Dpp6	0.001	1.472	0.862	2.334	0.886	0.860	0.841	2.170	2.498	Plekha5	1.787
Plekha5	0.001	1.470	3.625	5.095	3.609	3.669	3.596	4.932	5.258	Plppr1	1.786
Jade3	0.003	1.467	3.805	5.272	3.831	3.851	3.734	5.066	5.478	4930550C14Rik	1.784
Gm15787	0.001	1.466	-0.120	1.347	-0.196	-0.180	0.016	1.320	1.373	Snhg4	1.779
Gm8437	0.001	1.465	2.067	3.532	2.107	2.032	2.063	3.365	3.700	Gm8437	1.779
Fam43a	0.002	1.465	1.025	2.490	1.160	1.035	0.881	2.372	2.608	Cryz	1.775
Nrtn	0.001	1.464	3.835	5.299	3.916	3.828	3.760	5.419	5.178	1700034H15Rik	1.774
Heg1	0.000	1.461	2.136	3.598	2.225	2.090	2.095	3.613	3.582	Nrtn	1.766
Tle6	0.009	1.461	1.426	2.886	1.653	1.564	1.061	2.864	2.909	Gm25193	1.762
Gm49209	0.004	1.461	-0.081	1.380	0.140	-0.063	-0.320	1.322	1.437	Fam43a	1.761
Plppr1	0.008	1.458	0.351	1.809	0.189	0.375	0.489	1.536	2.082	Elovl2	1.760
Elovl2	0.002	1.458	2.963	4.420	2.932	2.876	3.080	4.588	4.253	Gm15787	1.758
Cry1	0.007	1.457	2.744	4.200	2.762	2.717	2.752	4.490	3.911	Heg1	1.751
Fhod3	0.000	1.456	3.826	5.282	3.750	3.937	3.792	5.224	5.340	Satb1	1.742
Satb1	0.000	1.455	1.595	3.050	1.592	1.674	1.520	3.109	2.992	Fhod3	1.742
Gm6733	0.004	1.454	-0.010	1.444	0.242	-0.146	-0.128	1.327	1.560	Tmem121b	1.736
Snhg4	0.005	1.454	0.331	1.785	0.381	0.371	0.241	1.530	2.040	Mov10	1.733
Plod1	0.006	1.450	2.696	4.146	2.722	2.950	2.415	4.215	4.076	Gm49209	1.731
Mov10	0.000	1.450	1.900	3.349	1.963	1.901	1.835	3.280	3.419	Znrf3	1.729
Tmem121b	0.001	1.446	2.060	3.507	2.050	1.996	2.134	3.366	3.647	Gm6733	1.727
Elf3	0.001	1.446	4.362	5.807	4.448	4.224	4.413	5.845	5.769	Plcb3	1.723
Plcb3	0.000	1.446	2.559	4.005	2.588	2.627	2.463	3.946	4.063	1810008I18Rik	1.721
1810008I18Rik	0.001	1.444	3.804	5.248	3.703	3.898	3.812	5.161	5.335	Elf3	1.719
Eps8	0.001	1.442	3.430	4.872	3.332	3.575	3.384	4.889	4.855	Mir370	1.717
Mir370	0.000	1.442	0.000	1.442	0.000	0.000	0.000	1.407	1.477	Gm41584	1.715
1700034H15Rik	0.008	1.441	-0.623	0.818	-0.639	-0.623	-0.608	0.517	1.119	Syne2	1.714
Znrf3	0.002	1.439	1.607	3.046	1.581	1.567	1.671	2.879	3.212	Naa80	1.711
Syne2	0.001	1.439	1.679	3.118	1.703	1.764	1.569	3.017	3.219	Tle6	1.710
Naa80	0.000	1.439	3.062	4.501	3.037	3.059	3.089	4.509	4.493	Eps8	1.710
Gm41584	0.001	1.439	2.992	4.431	2.881	3.020	3.075	4.316	4.546	Plod1	1.704
Per1	0.004	1.437	4.918	6.356	5.094	4.661	5.000	6.455	6.257	Phactr4	1.703
Adrb2	0.001	1.437	1.778	3.215	1.632	1.830	1.874	3.204	3.226	Gm16071	1.703
H2-Ab1	0.000	1.434	0.741	2.175	0.858	0.639	0.726	2.174	2.175	Adrb2	1.700
Ces5a	0.002	1.433	0.523	1.955	0.690	0.555	0.322	1.971	1.940	Kif13b	1.700
Phactr4	0.000	1.433	3.967	5.400	3.936	3.974	3.991	5.315	5.484	Mt2	1.697
Mpp7	0.001	1.432	2.145	3.578	2.015	2.097	2.324	3.570	3.585	H2-Ab1	1.696
Mt2	0.009	1.432	3.964	5.396	3.817	4.247	3.827	5.197	5.595	Cys1	1.693
Tspan4	0.003	1.431	0.801	2.232	0.749	0.621	1.032	2.280	2.184	Per1	1.693
Gm49125	0.005	1.428	-0.186	1.242	-0.341	-0.294	0.078	1.341	1.142	Pex11a	1.691
Cd81	0.006	1.427	5.045	6.473	5.266	5.123	4.747	6.392	6.553	Inpp5a	1.691
Cys1	0.010	1.427	2.920	4.347	2.900	3.171	2.689	4.565	4.128	Mpp7	1.688
Inpp5a	0.000	1.426	3.891	5.317	3.851	3.948	3.875	5.224	5.410	Ldb1	1.688
Adamts6	0.000	1.426	1.973	3.399	1.978	1.914	2.027	3.374	3.423	Mthfd2l	1.687
Kif13b	0.002	1.425	4.670	6.096	4.627	4.779	4.605	6.262	5.930	Adamts6	1.686
Pex11a	0.001	1.425	3.331	4.756	3.331	3.433	3.228	4.880	4.633	Ces5a	1.685
Hsd17b13	0.002	1.425	-0.005	1.420	0.145	0.021	-0.180	1.477	1.364	Klhl42	1.684
Gm43034	0.006	1.424	-0.403	1.021	-0.679	-0.369	-0.161	0.921	1.122	Rapgef1l	1.684
Gm37303	0.007	1.424	1.218	2.642	0.949	1.514	1.192	2.563	2.721	Dop1b	1.682
Gm16071	0.004	1.423	0.325	1.748	0.284	0.464	0.226	1.539	1.957	Kcnc3	1.681
Kcnc3	0.000	1.422	3.611	5.033	3.532	3.668	3.632	4.962	5.104	Gm14321	1.681
Rapgef1l	0.000	1.421	1.230	2.651	1.263	1.238	1.188	2.549	2.752	Dipk2a	1.679
Gm42658	0.007	1.421	0.206	1.627	-0.093	0.474	0.236	1.570	1.683	Tspan4	1.679
Sertad2	0.000	1.420	2.421	3.841	2.452	2.492	2.320	3.849	3.833	Marcks	1.677
Dop1b	0.000	1.420	4.083	5.503	4.074	4.110	4.065	5.399	5.606	Hsd17b13	1.676
Gm14321	0.001	1.419	0.471	1.890	0.485	0.410	0.518	2.005	1.774	Six4	1.676
Zbtb20	0.000	1.418	3.099	4.517	3.083	3.151	3.064	4.462	4.573	Hpn	1.674
D930020B18Rik	0.010	1.418	0.516	1.934	0.838	0.209	0.501	1.850	2.019	Zbtb20	1.674
Foxn2	0.001	1.418	2.127	3.546	2.209	1.936	2.238	3.519	3.572	Gm49125	1.673

Mthfd2l	0.004	1.417	0.013	1.430	0.024	0.139	-0.123	1.235	1.625	Sema4a	1.673
Hpn	0.002	1.416	0.912	3.328	2.010	1.779	1.947	3.195	3.462	Casp6	1.673
Sema4a	0.001	1.414	3.995	5.409	3.918	4.107	3.960	5.274	5.545	Sertad2	1.672
Ankrd10	0.000	1.414	5.075	6.489	5.086	5.118	5.021	6.441	6.537	Gm8113	1.668
Casp6	0.001	1.414	1.286	2.701	1.293	1.200	1.367	2.570	2.831	Ankrd10	1.666
Klhl42	0.002	1.414	2.831	4.244	2.914	2.797	2.781	4.058	4.431	Utp14b	1.664
Dipk2a	0.002	1.414	3.931	5.345	3.871	3.906	4.016	5.181	5.509	Gm43071	1.664
4933431C10Rik	0.007	1.412	0.849	2.261	0.807	0.604	1.136	2.177	2.345	Cd81	1.663
Six4	0.002	1.411	1.951	3.362	1.901	1.899	2.053	3.190	3.535	Gm43034	1.662
Kif16b	0.001	1.411	3.940	5.351	3.797	4.002	4.020	5.277	5.425	Foxn2	1.661
Marcks	0.002	1.410	3.741	5.150	3.713	3.786	3.723	4.968	5.332	Npr2	1.656
Gm43071	0.001	1.409	1.227	2.636	1.214	1.203	1.264	2.520	2.752	Kif16b	1.656
Npr2	0.001	1.409	2.453	3.862	2.333	2.535	2.492	3.765	3.958	4930429F24Rik	1.655
Ldb1	0.005	1.408	5.380	6.788	5.420	5.437	5.282	6.545	7.031	Nfkbie	1.653
Nfkbie	0.000	1.407	1.153	2.560	1.088	1.173	1.197	2.502	2.618	Gm37303	1.652
Utp14b	0.003	1.407	0.461	1.868	0.364	0.424	0.597	2.042	1.694	Nup210	1.649
Flrt1	0.001	1.406	1.580	2.986	1.598	1.721	1.420	2.941	3.031	Gm42658	1.646
Gpr137b	0.001	1.406	2.531	3.937	2.393	2.629	2.571	3.986	3.888	Gpr137b	1.646
4930429F24Rik	0.006	1.406	1.701	3.107	1.633	1.925	1.547	2.922	3.293	Il10rb	1.643
Nup210	0.001	1.404	3.312	4.715	3.229	3.420	3.286	4.609	4.822	Flrt1	1.642
Gm49654	0.004	1.403	1.551	2.954	1.567	1.309	1.776	3.007	2.901	Serpina10	1.640
Il10rb	0.000	1.403	2.125	3.528	2.127	2.087	2.161	3.532	3.524	Tsga10	1.640
mt-Nd1	0.004	1.401	11.163	12.564	11.273	10.907	11.310	12.624	12.504	Zfhx3	1.639
Enc1	0.000	1.399	4.422	5.821	4.377	4.407	4.484	5.877	5.765	Spag1	1.639
Zfhx3	0.000	1.398	0.966	2.364	0.975	0.983	0.941	2.282	2.446	Enc1	1.637
Gm39041	0.001	1.398	-0.226	1.171	-0.270	-0.318	-0.092	1.161	1.181	D930020B18Rik	1.635
Gpd2	0.002	1.395	4.691	6.086	4.630	4.856	4.585	5.959	6.213	4933431C10Rik	1.635
Ern1	0.000	1.395	6.864	8.259	6.832	6.795	6.963	8.255	8.262	Gpd2	1.631
Tacc2	0.001	1.395	3.465	4.860	3.376	3.434	3.585	4.816	4.904	Gm39041	1.629
Tsga10	0.004	1.394	2.138	3.532	2.091	2.297	2.026	3.712	3.352	Ern1	1.627
ENSMUSG000001	0.001	1.393	1.735	3.128	1.885	1.608	1.713	3.087	3.170	Tacc2	1.626
Gm44250	0.001	1.391	2.326	3.717	2.400	2.183	2.396	3.738	3.697	Gm49654	1.624
Rpl37rt	0.005	1.390	0.005	1.396	-0.268	0.142	0.142	1.478	1.313	Gm43482	1.623
Gm43482	0.003	1.390	-0.627	0.763	-0.511	-0.817	-0.552	0.907	0.619	mt-Nd1	1.622
Gm44667	0.002	1.390	-0.235	1.155	-0.385	-0.057	-0.262	1.135	1.174	Neu3	1.619
Neu3	0.007	1.386	0.499	1.885	0.676	0.543	0.278	1.695	2.074	Agap2	1.619
Gm45698	0.006	1.385	0.470	1.855	0.379	0.761	0.268	1.908	1.802	ENSMUSG00000	1.619
2610020C07Rik	0.000	1.383	0.267	1.651	0.327	0.227	0.247	1.696	1.605	Snx6	1.619
Gm8113	0.009	1.383	0.000	1.383	0.000	0.000	0.000	1.073	1.692	Gm44250	1.617
Spag1	0.010	1.383	1.595	2.978	1.411	1.748	1.628	2.713	3.243	2610020C07Rik	1.609
Rps6ka1	0.000	1.381	0.372	1.753	0.371	0.371	0.373	1.699	1.807	Gm44667	1.609
Serpina10	0.005	1.380	4.773	6.153	4.755	4.738	4.826	6.400	5.907	Rps6ka1	1.606
Prob1	0.002	1.380	3.137	4.517	3.123	3.323	2.965	4.548	4.486	Rpl37rt	1.603
Dzip1l	0.001	1.375	1.455	2.831	1.468	1.354	1.544	2.906	2.756	Pxmp4	1.599
Nacc2	0.006	1.374	2.761	4.136	2.750	3.026	2.508	4.141	4.130	Gm33091	1.595
Pxmp4	0.001	1.374	3.095	4.469	3.062	3.137	3.087	4.357	4.581	Dzip1l	1.594
Trp53i11	0.001	1.373	3.233	4.606	3.178	3.396	3.124	4.609	4.603	Gm45487	1.593
N4bp2os	0.000	1.373	2.489	3.862	2.408	2.549	2.511	3.803	3.922	Mtfr1	1.591
Gm24182	0.000	1.372	0.000	1.372	0.000	0.000	0.000	1.384	1.361	Gm15777	1.590
Gm33091	0.006	1.372	0.510	1.882	0.528	0.691	0.310	2.070	1.693	N4bp2os	1.590
Macf1	0.000	1.371	4.398	5.768	4.307	4.489	4.397	5.721	5.816	Prob1	1.590
Elmo1	0.001	1.371	2.337	3.708	2.376	2.424	2.211	3.605	3.810	Gm24182	1.589
Arhgef10	0.002	1.370	2.060	3.430	2.089	1.887	2.203	3.507	3.353	Elmo1	1.587
Zfp174	0.001	1.370	3.061	4.431	3.065	2.911	3.207	4.374	4.489	Gm45698	1.585
Atn1	0.000	1.370	1.121	2.491	1.086	1.053	1.223	2.438	2.544	Zbtb18	1.585
Zbtb18	0.000	1.370	3.943	5.312	4.023	3.915	3.890	5.239	5.385	Macf1	1.584
Zfp69	0.000	1.369	1.324	2.693	1.328	1.432	1.212	2.672	2.714	Atn1	1.583
Gm45487	0.004	1.369	5.158	6.527	5.269	4.993	5.212	6.350	6.703	Grpel2	1.582
Grpel2	0.000	1.368	2.875	4.243	2.845	2.957	2.825	4.170	4.316	Trp53i11	1.582
Ptpn13	0.000	1.365	2.447	3.812	2.345	2.539	2.457	3.770	3.854	2210411M09Rik	1.582
2210411M09Rik	0.001	1.365	1.487	2.852	1.499	1.553	1.410	2.967	2.737	Arhgef10	1.579
Mtfr1	0.002	1.365	4.541	5.906	4.521	4.626	4.476	5.736	6.076	Zfp69	1.578
Snx6	0.008	1.365	5.389	6.754	5.373	5.481	5.314	7.029	6.479	Zfp174	1.578
Agap2	0.007	1.364	0.470	1.834	0.500	0.394	0.515	1.560	2.108	Lrrc8b	1.576
Gm47798	0.005	1.364	1.417	2.781	1.461	1.154	1.636	2.752	2.811	Ptpn13	1.574
Bend5	0.003	1.363	0.888	2.250	1.073	0.870	0.719	2.334	2.167	Pcsk6	1.572



Pcsk6	0.001	1.363	2.430	3.793	2.344	2.421	2.525	3.716	3.869	Abtb2	1.570
Gm25579	0.008	1.362	0.155	1.517	0.000	0.000	0.466	1.397	1.637	Celsr2	1.570
Abtb2	0.000	1.362	2.829	4.191	2.798	2.917	2.772	4.253	4.130	Eepd1	1.569
Arhgap18	0.000	1.360	1.944	3.304	2.012	1.911	1.909	3.357	3.250	Arhgap18	1.567
Mpz	0.000	1.359	3.333	4.692	3.357	3.320	3.320	4.713	4.670	Fkbp7	1.567
Fkbp7	0.006	1.359	1.339	2.697	1.558	1.256	1.202	2.865	2.530	Mpz	1.565
Eepd1	0.001	1.357	2.287	3.644	2.297	2.242	2.324	3.759	3.530	Nacc2	1.565
Celsr2	0.001	1.356	2.488	3.843	2.449	2.485	2.530	3.709	3.978	Tmem131l	1.564
Gm15777	0.008	1.356	2.105	3.461	2.182	2.191	1.943	3.209	3.713	Bend5	1.563
Lrrc8b	0.007	1.356	1.846	3.201	1.816	2.024	1.698	2.985	3.417	Cpeb2	1.558
Tmem131l	0.003	1.352	2.898	4.250	2.826	3.046	2.821	4.079	4.421	Slc6a19	1.554
Bach1	0.001	1.352	3.671	5.024	3.529	3.742	3.744	5.019	5.028	Sh3bp4	1.551
Slc6a19	0.007	1.352	1.965	3.317	1.968	2.170	1.758	3.142	3.492	Gm47798	1.550
Tmem97	0.003	1.350	4.291	5.641	4.157	4.499	4.217	5.564	5.718	Gm25579	1.549
Tjp2	0.002	1.350	3.768	5.118	3.820	3.897	3.587	5.051	5.184	Bach1	1.547
Gm19721	0.000	1.348	2.169	3.516	2.151	2.104	2.251	3.521	3.512	Gm19721	1.542
H2-Q4	0.002	1.346	4.466	5.812	4.611	4.464	4.324	5.908	5.716	Tjp2	1.541
Gm37127	0.009	1.345	-0.338	1.008	-0.653	-0.102	-0.258	0.932	1.083	Tmem97	1.540
Sh3bp4	0.003	1.344	2.648	3.992	2.760	2.625	2.558	3.821	4.162	H2-Q4	1.539
Pdgfa	0.001	1.344	3.133	4.477	3.246	3.034	3.121	4.412	4.542	Adh1	1.536
Osbp2	0.007	1.341	-0.120	1.221	-0.398	0.020	0.018	1.336	1.105	Pdgfa	1.536
Esrrg	0.007	1.340	1.404	2.744	1.299	1.709	1.204	2.771	2.718	B3gnt3	1.531
Mgat4b	0.002	1.340	3.256	4.596	3.286	3.389	3.092	4.522	4.670	H2-T10	1.530
Gm26952	0.001	1.340	2.976	4.316	3.151	2.865	2.910	4.307	4.324	Mgat4b	1.526
Tspan8	0.006	1.340	1.338	2.678	1.264	1.134	1.617	2.687	2.669	Tubb6	1.523
H2-T10	0.000	1.340	1.125	2.464	1.175	1.149	1.050	2.500	2.429	Gm26952	1.522
Adh1	0.000	1.339	6.063	7.402	6.068	6.080	6.042	7.300	7.505	Gbe1	1.518
Ikzf5	0.005	1.336	-0.483	0.854	-0.632	-0.572	-0.244	0.974	0.733	Osbp2	1.518
Cpeb2	0.009	1.336	2.902	4.238	2.756	3.037	2.913	3.979	4.498	Pi4k2b	1.517
B3gnt3	0.002	1.336	4.381	5.717	4.378	4.282	4.483	5.584	5.850	Ikzf5	1.516
D730003l15Rik	0.004	1.335	2.262	3.597	2.447	2.033	2.307	3.639	3.556	Cdk14	1.515
Tubb6	0.000	1.335	2.444	3.779	2.519	2.357	2.456	3.849	3.709	9430034N14Rik	1.514
9430034N14Rik	0.002	1.335	-0.601	0.734	-0.773	-0.561	-0.470	0.778	0.689	Ttll11	1.513
Pi4k2b	0.000	1.334	4.736	6.070	4.754	4.624	4.829	6.065	6.074	Gm37127	1.513
Cdk14	0.001	1.330	2.671	4.001	2.563	2.721	2.730	4.093	3.909	Sox13	1.512
D630045J12Rik	0.000	1.329	1.965	3.294	1.890	2.051	1.954	3.254	3.335	D630045J12Rik	1.511
Fbrsl1	0.001	1.325	4.700	6.025	4.771	4.778	4.551	6.028	6.021	D730003l15Rik	1.507
Gm4017	0.003	1.324	1.824	3.147	1.596	1.966	1.909	3.082	3.212	Tspan8	1.505
Rnf149	0.000	1.324	4.104	5.427	4.047	4.167	4.098	5.347	5.508	Rnf149	1.505
Ttll11	0.004	1.323	0.959	2.282	1.101	0.885	0.892	2.111	2.453	Esrrg	1.503
4833418N02Rik	0.000	1.322	2.028	3.350	1.950	2.001	2.132	3.391	3.309	Kcnk12	1.501
Kmt2d	0.000	1.322	4.198	5.520	4.273	4.134	4.187	5.472	5.568	Kmt2d	1.499
Cd63-ps	0.009	1.321	-0.305	1.016	-0.624	-0.214	-0.077	0.937	1.095	Fbrsl1	1.499
Cat	0.006	1.319	2.055	3.374	2.030	2.270	1.865	3.233	3.514	4833418N02Rik	1.498
Aldh1l2	0.002	1.318	4.367	5.686	4.245	4.284	4.573	5.686	5.685	Ptch1	1.493
Ptch1	0.006	1.318	2.818	4.136	2.805	3.015	2.635	3.976	4.295	Gm4017	1.490
Kcnk12	0.002	1.317	3.086	4.404	3.016	3.196	3.047	4.262	4.546	Cat	1.489
Sox13	0.005	1.316	2.320	3.637	2.433	2.293	2.235	3.428	3.845	Malat1	1.487
Gbe1	0.004	1.316	2.765	4.081	2.766	2.797	2.731	3.864	4.298	Npepl1	1.486
Npepl1	0.000	1.314	6.491	7.805	6.525	6.465	6.484	7.775	7.835	Mir22hg	1.485
Mir22hg	0.000	1.313	3.721	5.034	3.679	3.709	3.776	5.084	4.984	Gm50087	1.484
Cbx4	0.000	1.312	4.867	6.179	4.942	4.873	4.787	6.152	6.206	Aldh1l2	1.481
Cc2d2b	0.004	1.311	3.111	4.422	3.099	2.901	3.332	4.374	4.469	Cbx4	1.481
Setd1b	0.000	1.309	3.353	4.662	3.359	3.369	3.332	4.620	4.704	Setd1b	1.479
Malat1	0.005	1.309	8.698	10.007	8.662	8.573	8.859	10.181	9.833	Pdzrn3	1.476
Gm50087	0.001	1.309	-0.275	1.034	-0.305	-0.276	-0.243	1.140	0.928	Gramd1b	1.474
Snord49b	0.003	1.307	3.566	4.873	3.358	3.652	3.687	4.813	4.932	Haus5	1.472
Arhgef16	0.000	1.305	4.530	5.835	4.571	4.534	4.486	5.879	5.791	Hmga1b	1.471
Gm36989	0.001	1.304	0.968	2.272	1.108	0.889	0.907	2.248	2.296	Cd63-ps	1.470
Gramd1b	0.001	1.304	2.916	4.220	2.876	2.978	2.894	4.114	4.326	Arhgef16	1.470
Ly6e	0.000	1.303	5.909	7.212	5.873	5.910	5.946	7.167	7.258	Ly6e	1.468
Gm9530	0.001	1.303	0.355	1.658	0.297	0.285	0.484	1.740	1.576	Gm9530	1.466
4930592l03Rik	0.000	1.302	1.471	2.772	1.400	1.429	1.584	2.809	2.735	Snord49b	1.464
Etfbkmt	0.001	1.301	1.789	3.090	1.899	1.822	1.646	3.093	3.088	Cc2d2b	1.464
Atxn7l2	0.002	1.301	2.242	3.543	2.136	2.427	2.164	3.552	3.534	Gm36989	1.464
Trib1	0.002	1.299	5.011	6.310	5.103	4.807	5.122	6.289	6.331	Gm26642	1.463

Hmga1b	0.002	1.299	1.533	2.832	1.535	1.615	1.450	2.687	2.978	4930592I03Rik	1.462
Mfsd12	0.002	1.299	1.545	2.844	1.516	1.729	1.388	2.796	2.891	Etfbkmt	1.457
Gm26642	0.001	1.299	-0.072	1.227	0.000	-0.055	-0.160	1.126	1.327	Tcirg1	1.454
Gm43980	0.003	1.298	2.864	4.162	2.880	3.059	2.655	4.154	4.170	Atxn7I2	1.453
Tcirg1	0.000	1.297	2.206	3.503	2.306	2.198	2.113	3.475	3.531	Mfsd12	1.450
Gstt1	0.006	1.296	4.601	5.897	4.816	4.632	4.356	5.974	5.820	C1qtnf1	1.450
C1qtnf1	0.007	1.296	1.925	3.221	1.770	1.839	2.167	3.071	3.370	Trib1	1.450
Gm4285	0.005	1.295	3.295	4.590	3.210	3.545	3.132	4.513	4.667	Reep6	1.448
Haus5	0.006	1.294	-0.035	1.259	-0.172	0.022	0.044	1.469	1.048	Tirap	1.447
Gm19221	0.005	1.293	1.762	3.055	1.584	2.022	1.680	3.097	3.014	Neat1	1.444
Pdzrn3	0.007	1.291	3.274	4.565	3.175	3.384	3.262	4.329	4.801	Rassf1	1.443
Rassf5	0.009	1.291	0.074	1.366	0.185	-0.235	0.274	1.464	1.267	Gm43980	1.442
Tirap	0.001	1.290	0.763	2.053	0.873	0.725	0.691	1.956	2.150	Cyb5rl	1.442
Reep6	0.000	1.290	5.716	7.006	5.761	5.682	5.706	7.079	6.934	Gm26935	1.441
Btg2	0.004	1.290	9.312	10.602	9.375	9.084	9.478	10.670	10.534	Zfp618	1.440
Cyb5rl	0.000	1.288	1.773	3.060	1.726	1.762	1.829	3.011	3.110	Lin28a	1.439
Gm26935	0.000	1.288	1.197	2.485	1.130	1.172	1.290	2.428	2.542	Gstt1	1.438
Zfp618	0.000	1.287	2.400	3.687	2.307	2.434	2.460	3.626	3.749	Gm4285	1.437
Lin28a	0.000	1.286	0.891	2.177	0.885	0.866	0.921	2.150	2.204	Gm44292	1.436
Bend3	0.002	1.284	1.572	2.856	1.718	1.488	1.510	2.754	2.958	Bend3	1.435
Rassf1	0.002	1.282	1.679	2.961	1.676	1.758	1.604	3.114	2.809	4930594M22Rik	1.433
Ppp1r3e	0.010	1.282	1.220	2.502	1.489	1.240	0.931	2.418	2.586	Btg2	1.432
4930594M22Rik	0.003	1.280	1.176	2.456	1.029	1.246	1.253	2.317	2.594	Gm19221	1.430
Gm44292	0.006	1.278	0.638	1.916	0.770	0.457	0.687	2.108	1.723	Cfap77	1.428
Garnl3	0.000	1.277	0.077	1.355	0.074	0.059	0.099	1.334	1.375	Rassf5	1.426
Neat1	0.003	1.277	5.877	7.154	5.902	5.846	5.884	7.344	6.965	Garnl3	1.424
Hs6st3	0.001	1.277	2.662	3.938	2.565	2.794	2.626	3.961	3.916	Baiap3	1.422
A530020G20Rik	0.003	1.277	3.247	4.524	3.368	3.055	3.318	4.444	4.604	Hs6st3	1.418
Cdc42ep3	0.004	1.273	0.934	2.207	1.114	0.792	0.895	2.071	2.342	Pvr	1.417
Chmp4c	0.000	1.272	3.156	4.428	3.175	3.182	3.111	4.375	4.481	Chmp4c	1.417
Gm24036	0.002	1.272	0.091	1.364	0.000	0.274	0.000	1.425	1.302	Cdc42ep3	1.417
Bmp2k	0.003	1.272	0.195	1.467	0.016	0.372	0.196	1.402	1.532	A530020G20Rik	1.416
Cfap77	0.006	1.269	-0.494	0.775	-0.530	-0.597	-0.356	0.977	0.573	Crybb3	1.416
Crybb3	0.002	1.269	1.918	3.186	1.988	1.804	1.960	3.317	3.056	Tnfrsf12a	1.414
Tnfrsf12a	0.003	1.269	2.452	3.721	2.387	2.598	2.373	3.857	3.586	Gm24036	1.408
Pvr	0.002	1.269	-0.306	0.963	-0.395	-0.223	-0.298	0.831	1.095	Susd2	1.406
Baiap3	0.004	1.267	6.325	7.592	6.444	6.230	6.301	7.409	7.775	Ppp1r3e	1.406
Acaa2	0.000	1.266	4.693	5.959	4.700	4.660	4.719	5.975	5.943	Bmp2k	1.405
Tlcd1	0.002	1.266	1.505	2.771	1.480	1.689	1.347	2.745	2.796	Acaa2	1.405
Ppp1r3b	0.003	1.262	2.302	3.564	2.126	2.430	2.349	3.681	3.448	Casr	1.403
Ptpru	0.001	1.261	2.179	3.440	2.188	2.308	2.039	3.395	3.485	Gm45330	1.398
Ift88os	0.003	1.260	-0.429	0.831	-0.626	-0.248	-0.414	0.792	0.869	Ppp1r3b	1.398
Gm42748	0.000	1.260	1.584	2.845	1.541	1.667	1.545	2.839	2.850	Tlcd1	1.393
4833422M21Rik	0.003	1.260	-0.578	0.682	-0.677	-0.674	-0.381	0.598	0.766	Gm42748	1.393
Acadl	0.000	1.256	4.103	5.359	4.084	4.160	4.064	5.301	5.417	Ptpru	1.392
Gm45330	0.002	1.255	4.369	5.624	4.416	4.327	4.365	5.771	5.477	Acadl	1.389
Bcl9l	0.001	1.252	2.625	3.878	2.462	2.742	2.673	3.867	3.888	4833422M21Rik	1.387
Gm29361	0.001	1.250	1.076	2.326	1.128	1.191	0.910	2.330	2.322	Ift88os	1.382
Tjap1	0.001	1.249	2.933	4.182	3.023	2.924	2.851	4.100	4.264	Tjap1	1.378
Kcnq2	0.007	1.249	-0.143	1.106	-0.336	0.083	-0.177	0.962	1.250	Gpr161	1.378
Susd2	0.008	1.249	1.300	2.548	1.412	1.206	1.281	2.304	2.793	Rnf213	1.375
Casr	0.004	1.249	5.126	6.375	5.141	5.125	5.112	6.160	6.589	Bcl9l	1.374
Rap1b	0.000	1.246	7.358	8.604	7.386	7.323	7.367	8.543	8.665	Rap1b	1.373
Gpr161	0.002	1.245	1.547	2.792	1.586	1.461	1.595	2.659	2.925	2310040G07Rik	1.373
2310040G07Rik	0.002	1.244	1.940	3.184	1.807	2.019	1.995	3.308	3.061	Vil1	1.372
Aldh2	0.006	1.244	2.241	3.484	2.492	2.131	2.099	3.565	3.404	Kcnq2	1.371
Zbtb24	0.000	1.244	3.298	4.541	3.232	3.386	3.275	4.595	4.488	Gm29361	1.370
Relb	0.001	1.243	1.556	2.799	1.473	1.689	1.506	2.733	2.865	Zbtb24	1.367
Vil1	0.000	1.243	6.100	7.343	6.097	6.113	6.090	7.248	7.438	Relb	1.365
Tfeb	0.001	1.242	0.708	1.950	0.716	0.807	0.600	1.909	1.991	Matk	1.364
Gm42868	0.006	1.241	0.532	1.773	0.659	0.300	0.638	1.647	1.899	Tfeb	1.363
Rnf213	0.002	1.239	2.769	4.009	2.755	2.816	2.736	4.168	3.849	mt-Rnr1	1.363
Adgb	0.005	1.238	0.929	2.167	1.070	1.025	0.692	2.076	2.258	Gm42868	1.357
Fosb	0.003	1.236	8.872	10.109	8.973	8.652	8.992	10.067	10.151	Parp3	1.357
Parp3	0.001	1.235	0.237	1.473	0.260	0.303	0.148	1.381	1.564	Aldh2	1.353
mt-Rnr1	0.001	1.235	6.629	7.864	6.580	6.636	6.670	7.990	7.738	Kras	1.351

Kras	0.000	1.233	5.818	7.051	5.769	5.866	5.819	7.004	7.097	Slc25a37	1.349
Slc25a37	0.000	1.232	2.455	3.687	2.498	2.468	2.400	3.738	3.636	Adgb	1.348
6230400D17Rik	0.005	1.232	1.080	2.312	1.337	0.966	0.937	2.354	2.271	Ccn1	1.347
Ccn1	0.000	1.231	4.884	6.115	4.950	4.805	4.897	6.072	6.158	Fam241a	1.346
Gm43379	0.000	1.229	-0.207	1.022	-0.100	-0.260	-0.262	0.985	1.060	Srrm4	1.346
Hyal2	0.004	1.229	2.533	3.762	2.677	2.618	2.303	3.735	3.789	Dll4	1.344
Matk	0.006	1.228	-0.087	1.141	0.019	-0.200	-0.081	0.926	1.356	Fosb	1.344
Fgf12	0.001	1.228	2.531	3.758	2.553	2.402	2.638	3.721	3.795	Gm43379	1.342
Srrm4	0.001	1.227	2.084	3.311	2.013	2.161	2.079	3.423	3.200	Ankrd13b	1.339
Dll4	0.001	1.226	1.201	2.426	1.273	1.107	1.221	2.545	2.308	Fgf12	1.337
Med13l	0.000	1.225	3.063	4.288	3.038	3.149	3.004	4.237	4.339	Med13l	1.336
Ankrd13b	0.000	1.223	3.580	4.803	3.609	3.581	3.550	4.709	4.898	Hopx	1.332
Tent5b	0.010	1.220	-0.473	0.747	-0.288	-0.752	-0.380	0.873	0.621	Cpd	1.331
Rbms2	0.004	1.219	2.657	3.876	2.708	2.813	2.450	3.946	3.806	6230400D17Rik	1.331
Snord58b	0.000	1.218	3.076	4.294	3.105	3.100	3.024	4.329	4.260	Mllt6	1.330
Fam241a	0.003	1.218	1.122	2.340	1.141	1.103	1.122	2.150	2.530	Glul	1.330
Prox1	0.000	1.217	4.280	5.497	4.274	4.335	4.232	5.446	5.549	Hyal2	1.329
Mreg	0.007	1.217	3.871	5.088	3.744	4.077	3.792	5.251	4.925	Kcnq4	1.329
Stk39	0.000	1.217	3.661	4.877	3.641	3.710	3.630	4.829	4.926	Mreg	1.327
Zdbf2	0.005	1.216	2.620	3.836	2.707	2.373	2.779	3.843	3.829	Snord58b	1.326
Hopx	0.003	1.215	6.680	7.895	6.601	6.800	6.638	8.052	7.737	Trp53inp1	1.326
Tpcn1	0.001	1.214	3.879	5.093	3.833	3.978	3.827	5.039	5.148	Prox1	1.325
Srcap	0.002	1.213	-0.231	0.982	-0.080	-0.400	-0.213	1.037	0.927	Stk39	1.325
Trp53inp1	0.002	1.213	4.958	6.172	4.916	4.896	5.063	6.309	6.034	2310040G24Rik	1.320
Rnase4	0.000	1.213	8.015	9.227	7.963	8.110	7.971	9.218	9.237	Tpcn1	1.319
Kcnq4	0.003	1.213	3.370	4.583	3.411	3.427	3.271	4.742	4.424	Cyp4f16	1.319
Foxo6	0.001	1.212	3.062	4.275	3.122	3.104	2.960	4.228	4.321	Rbms2	1.318
2310040G24Rik	0.001	1.212	2.236	3.448	2.207	2.340	2.161	3.348	3.549	Tent5b	1.317
Mllt6	0.002	1.212	4.049	5.262	4.100	4.051	3.998	5.102	5.421	Foxo6	1.316
Gpr157	0.007	1.209	2.820	4.028	2.833	3.044	2.582	3.968	4.089	Rnase4	1.315
Nphp3	0.006	1.208	1.829	3.037	1.897	1.587	2.002	2.973	3.101	Srcap	1.311
Cpd	0.006	1.208	5.334	6.542	5.291	5.449	5.260	6.330	6.753	Cldn6	1.310
5430416N02Rik	0.004	1.207	0.846	2.053	1.055	0.809	0.673	2.083	2.023	Map3k21	1.309
Glul	0.004	1.207	6.272	7.479	6.222	6.291	6.303	7.278	7.679	Zdbf2	1.307
Map3k21	0.000	1.207	2.303	3.510	2.307	2.272	2.331	3.557	3.463	Gm15564	1.307
Otoa	0.001	1.206	0.889	2.095	1.028	0.783	0.856	2.083	2.108	Zfp236	1.307
Cyp4f16	0.002	1.206	3.334	4.540	3.344	3.346	3.311	4.394	4.686	Triobp	1.304
Osgin1	0.004	1.206	3.856	5.061	3.875	3.654	4.038	5.125	4.997	Gm43481	1.304
Cldn6	0.004	1.204	2.893	4.097	2.886	3.020	2.773	4.244	3.950	Otoa	1.302
ENSMUSG000001	0.005	1.204	0.723	1.927	0.936	0.516	0.717	1.877	1.976	Tcf4	1.301
Triobp	0.000	1.204	2.259	3.462	2.288	2.238	2.250	3.500	3.424	Stxbp6	1.301
Gfra1	0.007	1.204	-0.041	1.163	0.008	-0.299	0.167	1.182	1.143	Gm16001	1.300
Stxbp6	0.000	1.203	3.056	4.258	2.982	3.111	3.074	4.224	4.293	A330076H08Rik	1.298
Gm43481	0.001	1.201	2.524	3.726	2.473	2.575	2.525	3.627	3.824	MIph	1.297
Gm6225	0.002	1.201	-0.004	1.196	0.128	-0.022	-0.119	1.268	1.124	Nyap1	1.297
Gm15564	0.005	1.200	5.676	6.875	5.538	5.783	5.706	7.042	6.708	Nphp3	1.296
Pcdhgb4	0.007	1.199	-0.584	0.616	-0.374	-0.526	-0.851	0.643	0.589	Gm6225	1.296
Gm16001	0.005	1.199	2.628	3.827	2.773	2.478	2.632	3.679	3.974	Osgin1	1.295
Tcf4	0.001	1.198	1.430	2.628	1.446	1.396	1.449	2.511	2.746	5430416N02Rik	1.295
Cebpd	0.000	1.197	4.043	5.240	4.098	3.979	4.051	5.233	5.247	Mitf	1.294
Wipf1	0.000	1.197	1.900	3.098	1.872	1.988	1.842	3.116	3.080	Gpr157	1.294
Srf	0.000	1.197	5.617	6.814	5.632	5.553	5.666	6.825	6.803	Tmem181c-ps	1.293
Hilpda	0.007	1.197	2.857	4.054	2.910	2.590	3.072	4.068	4.040	Cebpd	1.292
Pard3b	0.000	1.196	1.622	2.818	1.562	1.635	1.669	2.781	2.855	Nav1	1.291
Zfp236	0.004	1.196	3.942	5.138	3.890	4.025	3.912	5.318	4.958	Srf	1.291
Nav1	0.000	1.195	3.196	4.391	3.216	3.207	3.164	4.335	4.447	Wipf1	1.291
Nyap1	0.002	1.195	0.215	1.410	0.291	0.230	0.123	1.277	1.543	Pard3b	1.290
Gm43300	0.003	1.195	1.939	3.134	1.886	1.818	2.112	3.024	3.243	ENSMUSG000001	1.289
Mitf	0.001	1.194	1.798	2.992	1.742	1.842	1.810	2.877	3.107	Lncppara	1.288
Id2	0.006	1.192	2.651	3.843	2.833	2.717	2.402	3.828	3.858	1810034E14Rik	1.287
Nxpe4	0.002	1.191	1.352	2.542	1.187	1.391	1.476	2.574	2.511	Gm43300	1.287
Cadm4	0.002	1.190	2.915	4.106	2.811	3.055	2.880	4.022	4.189	Gm27440	1.286
Gm15893	0.008	1.190	1.463	2.654	1.647	1.201	1.542	2.563	2.744	Gfra1	1.283
Tmem181c-ps	0.010	1.190	4.151	5.341	3.945	4.240	4.268	5.140	5.542	Mapkapk2	1.281
Mapkapk2	0.000	1.189	4.742	5.931	4.812	4.683	4.730	5.991	5.870	Rbm47	1.280
Vash1	0.009	1.189	2.115	3.304	1.927	2.345	2.073	3.148	3.459	Cadm4	1.280

MIph	0.009	1.189	3.227	4.415	3.114	3.392	3.173	4.633	4.197	Vash1	1.276
Lncppara	0.004	1.187	-0.560	0.627	-0.652	-0.465	-0.562	0.463	0.791	Ln timer	1.276
Myom1	0.006	1.187	-0.032	1.154	0.104	-0.238	0.038	1.285	1.024	Pcdhgb4	1.276
Ln timer	0.000	1.186	3.111	4.297	3.055	3.166	3.113	4.360	4.235	Nxpe4	1.275
Tmc7	0.001	1.185	1.034	2.219	1.155	0.959	0.987	2.152	2.285	Rps6ka6	1.274
1810034E14Rik	0.005	1.185	2.213	3.398	2.087	2.275	2.277	3.217	3.579	Myom1	1.274
Gm27440	0.003	1.183	0.029	1.211	0.086	0.000	0.000	1.384	1.039	Rbm3os	1.274
Rbm3os	0.004	1.182	1.181	2.363	1.033	1.268	1.240	2.224	2.501	Tmc7	1.272
Igsf6	0.003	1.182	0.473	1.655	0.671	0.417	0.330	1.593	1.716	Hilpda	1.271
Rbm47	0.002	1.182	4.021	5.202	4.052	4.056	3.953	5.358	5.047	Gm15893	1.267
Rps6ka6	0.004	1.181	0.754	1.935	0.613	0.847	0.801	1.788	2.081	Id2	1.267
Tnrc18	0.001	1.181	3.999	5.179	3.980	4.091	3.924	5.111	5.247	Tnrc18	1.267
Fancc	0.004	1.180	1.003	2.184	0.886	0.923	1.202	2.085	2.283	Sgcd	1.264
Glo1	0.000	1.179	3.034	4.212	2.995	3.096	3.010	4.174	4.251	Zfp964	1.264
Vwa5b2	0.001	1.179	4.901	6.080	5.029	4.861	4.814	6.040	6.120	Glo1	1.264
Nr2f6	0.000	1.178	3.315	4.493	3.356	3.373	3.216	4.534	4.451	Fancc	1.261
A330076H08Rik	0.010	1.177	5.726	6.903	5.679	5.777	5.722	6.640	7.166	Rcor2	1.260
Zfp964	0.001	1.175	-0.133	1.041	-0.110	-0.115	-0.174	0.927	1.155	Nr2f6	1.260
Rcor2	0.007	1.173	1.998	3.171	2.073	2.121	1.798	3.001	3.341	Vwa5b2	1.260
Notch1	0.000	1.173	3.116	4.289	3.119	3.152	3.078	4.242	4.336	Igsf6	1.259
Zfp868	0.002	1.172	4.118	5.290	4.105	3.996	4.252	5.229	5.351	Ppm1h	1.256
Podxl	0.006	1.171	-0.350	0.821	-0.168	-0.390	-0.491	0.669	0.973	Notch1	1.255
Sgcd	0.008	1.171	0.014	1.185	-0.140	0.020	0.160	1.381	0.988	Podxl	1.254
Ppm1h	0.001	1.171	3.191	4.362	3.142	3.270	3.161	4.249	4.474	Zfp868	1.249
Jak3	0.007	1.170	2.443	3.613	2.524	2.600	2.206	3.728	3.498	Hes6	1.248
Gm19144	0.002	1.168	0.762	1.930	0.748	0.932	0.607	1.952	1.909	Figl2	1.246
Mapkapk5	0.001	1.167	0.351	1.518	0.471	0.310	0.271	1.539	1.496	Plag1	1.244
Hsf4	0.008	1.167	3.713	4.879	3.706	3.925	3.506	4.742	5.016	Plppr3	1.244
Plag1	0.000	1.166	1.705	2.871	1.756	1.704	1.653	2.828	2.914	Thbd	1.243
Plppr3	0.001	1.163	1.726	2.889	1.783	1.726	1.670	2.996	2.781	Jak3	1.242
Hes6	0.007	1.163	5.379	6.541	5.524	5.384	5.229	6.361	6.722	Stox1	1.242
Gm26789	0.000	1.160	0.482	1.642	0.445	0.472	0.530	1.695	1.590	Mapkapk5	1.242
Stox1	0.007	1.159	3.371	4.530	3.421	3.196	3.497	4.351	4.709	Pex5l	1.241
Gsto2	0.002	1.159	1.852	3.011	1.924	1.964	1.669	3.031	2.992	Hsf4	1.239
Pex5l	0.002	1.159	3.473	4.632	3.388	3.512	3.520	4.494	4.770	Gm19144	1.238
Thbd	0.005	1.157	3.296	4.454	3.234	3.424	3.231	4.277	4.630	Lrrc36	1.237
Mtmr11	0.001	1.157	3.112	4.269	3.205	3.045	3.085	4.211	4.326	Gm13012	1.236
Sephs2	0.000	1.154	4.157	5.311	4.205	4.173	4.093	5.286	5.336	Gm26789	1.235
Uhrf1bp1	0.001	1.154	3.107	4.261	3.111	3.135	3.076	4.166	4.356	Arhgap23	1.232
Lrrc36	0.004	1.153	3.356	4.509	3.338	3.279	3.451	4.341	4.678	Slc25a25	1.230
Arhgap23	0.002	1.153	2.343	3.496	2.412	2.334	2.283	3.363	3.629	Uhrf1bp1	1.229
Col20a1	0.000	1.153	2.421	3.574	2.427	2.405	2.431	3.524	3.624	Mtmr11	1.229
Dnah2	0.002	1.150	0.568	1.718	0.682	0.396	0.625	1.701	1.734	Sephs2	1.225
Fnip2	0.000	1.150	3.595	4.745	3.530	3.633	3.623	4.784	4.706	Col20a1	1.224
4933431E20Rik	0.006	1.148	0.844	1.992	0.819	1.045	0.668	1.889	2.095	Gsto2	1.224
Gm16185	0.000	1.148	2.992	4.140	2.901	3.023	3.052	4.135	4.145	Fnip2	1.218
Figl2	0.010	1.146	0.679	1.825	0.726	0.706	0.604	1.572	2.079	Jund	1.216
Epb41l1	0.001	1.145	2.453	3.598	2.399	2.579	2.383	3.648	3.548	Slc25a20	1.216
Gm43413	0.001	1.143	0.420	1.563	0.302	0.406	0.551	1.600	1.525	Gm16185	1.213
Gm13012	0.008	1.142	-0.485	0.658	-0.466	-0.428	-0.559	0.896	0.420	Rfx6	1.212
Gm42572	0.001	1.142	0.634	1.775	0.597	0.571	0.733	1.863	1.688	Dnah2	1.211
Slc25a25	0.009	1.142	4.524	5.666	4.532	4.422	4.619	5.893	5.438	Vasn	1.210
Vasn	0.003	1.141	4.433	5.573	4.371	4.558	4.369	5.704	5.443	Gm43609	1.209
Gm43609	0.006	1.140	1.477	2.617	1.641	1.425	1.364	2.462	2.772	4933431E20Rik	1.209
Jund	0.003	1.140	7.575	8.715	7.644	7.507	7.574	8.554	8.876	Epb41l1	1.208
Atad2b	0.001	1.140	2.071	3.211	2.125	2.136	1.952	3.210	3.212	Gm42572	1.208
Ptptr	0.002	1.139	2.614	3.753	2.718	2.532	2.594	3.655	3.852	Apaf1	1.206
Tle1	0.000	1.139	3.003	4.142	2.996	3.060	2.952	4.209	4.074	Ptptr	1.204
Rfx6	0.002	1.137	5.796	6.933	5.781	5.779	5.827	6.778	7.087	Gm43413	1.204
Apaf1	0.002	1.137	0.553	1.690	0.576	0.597	0.486	1.566	1.813	Tle1	1.203
Gpr142	0.005	1.136	4.231	5.367	4.269	4.053	4.371	5.254	5.480	Zfp622	1.202
Kctd20	0.000	1.135	4.541	5.676	4.548	4.540	4.535	5.730	5.623	Atad2b	1.200
Slc25a20	0.005	1.135	3.016	4.151	2.960	3.041	3.047	3.958	4.345	Kctd20	1.198
Atf5	0.000	1.135	7.853	8.988	7.779	7.875	7.904	9.039	8.936	St14	1.198
Zfp622	0.001	1.134	3.965	5.099	4.001	3.974	3.922	5.223	4.976	Atf5	1.196
Gm36936	0.002	1.132	1.800	2.932	1.669	1.852	1.878	3.036	2.827	Nova2	1.195

Fos	0.006	1.132	10.359	11.491	10.497	10.104	10.477	11.493	11.488	Atat1	1.195
4921525O09Rik	0.007	1.129	1.040	2.169	1.175	0.858	1.086	2.015	2.323	Gpr142	1.195
Atat1	0.002	1.129	3.934	5.063	3.955	3.868	3.978	4.927	5.199	Rbm4	1.194
Stt14	0.002	1.128	3.823	4.951	3.849	3.831	3.789	5.103	4.799	Gm36936	1.193
Shisa7	0.004	1.127	-0.068	1.059	-0.088	0.126	-0.242	1.006	1.112	Fzd8	1.192
Cdk18	0.001	1.127	3.587	4.713	3.686	3.454	3.620	4.747	4.679	4921525O09Rik	1.191
Stap2	0.005	1.126	1.319	2.445	1.144	1.362	1.452	2.573	2.318	Ulk1	1.187
Ccrl2	0.000	1.124	2.763	3.887	2.770	2.727	2.793	3.947	3.827	Dera	1.183
Ier5	0.002	1.124	4.669	5.793	4.698	4.772	4.538	5.715	5.871	Stap2	1.183
Dera	0.001	1.123	1.144	2.267	1.192	1.132	1.108	2.173	2.362	Ccrl2	1.181
Rbm4	0.003	1.123	0.941	2.064	0.983	0.916	0.924	2.239	1.890	Cdk18	1.179
Ror2	0.000	1.123	4.607	5.730	4.570	4.690	4.562	5.748	5.711	Ier5	1.177
Fzd7	0.010	1.122	1.777	2.899	1.905	1.940	1.485	2.856	2.943	Pde4c	1.177
Fzd8	0.004	1.122	1.776	2.899	1.717	1.860	1.751	2.720	3.077	Ror2	1.176
Pde4c	0.000	1.122	3.113	4.235	3.191	3.068	3.081	4.185	4.286	Zcchc2	1.175
Dock9	0.001	1.120	3.289	4.409	3.206	3.412	3.249	4.465	4.353	Fos	1.174
Nova2	0.005	1.120	1.746	2.866	1.773	1.728	1.738	2.660	3.072	Shisa7	1.174
Sema3c	0.003	1.119	1.782	2.901	1.666	1.712	1.967	2.894	2.908	Dock9	1.171
Tmem147os	0.001	1.117	1.697	2.814	1.717	1.603	1.771	2.848	2.780	Arhgef3	1.170
2610028D06Rik	0.007	1.117	-0.420	0.697	-0.330	-0.257	-0.674	0.741	0.653	Sirt6	1.170
Zcchc2	0.001	1.117	4.296	5.413	4.270	4.330	4.289	5.299	5.527	Tmem147os	1.167
Rec8	0.004	1.116	2.557	3.673	2.411	2.710	2.549	3.563	3.783	Bicra	1.167
Bicra	0.000	1.116	2.280	3.396	2.325	2.258	2.256	3.397	3.395	Fam110a	1.167
Ciart	0.005	1.116	1.687	2.803	1.615	1.883	1.564	2.697	2.909	Rec8	1.166
Gm42913	0.000	1.115	-0.372	0.743	-0.328	-0.448	-0.340	0.729	0.758	Lgr4	1.166
Reep4	0.001	1.115	3.156	4.271	3.288	3.113	3.067	4.230	4.312	Gm49492	1.165
Lgr4	0.002	1.115	3.519	4.634	3.401	3.613	3.542	4.553	4.714	Gm42913	1.165
Kif17	0.002	1.115	0.520	1.635	0.393	0.653	0.513	1.564	1.706	Gm43039	1.164
Gm20701	0.008	1.114	0.250	1.364	0.389	0.384	-0.022	1.387	1.342	2900026A02Rik	1.164
2900026A02Rik	0.000	1.114	3.849	4.964	3.811	3.935	3.801	4.925	5.002	Sema3c	1.163
Trpm4	0.001	1.114	1.112	2.226	1.163	0.993	1.181	2.229	2.224	Kif17	1.163
Arhgef3	0.004	1.114	2.858	3.972	2.784	3.000	2.791	4.118	3.826	Ciart	1.162
Gm43039	0.000	1.114	2.611	3.725	2.560	2.657	2.616	3.673	3.776	Reep4	1.162
Ulk1	0.007	1.114	4.409	5.523	4.358	4.484	4.385	5.305	5.740	Vps37d	1.161
Fam110a	0.001	1.114	4.055	5.169	4.099	3.986	4.080	5.260	5.078	Trpm4	1.161
Sirt6	0.002	1.113	3.875	4.988	3.976	3.832	3.817	4.858	5.118	Ccdc162	1.160
Ccdc162	0.001	1.110	3.844	4.954	3.875	3.774	3.884	4.877	5.032	Slc22a21	1.158
Gm49883	0.010	1.109	0.812	1.921	0.995	0.601	0.841	1.767	2.075	Fzd7	1.157
Slc22a21	0.010	1.109	1.257	2.365	1.299	1.050	1.421	2.201	2.530	Gm49883	1.155
Gm49492	0.008	1.107	2.135	3.242	2.035	2.298	2.073	3.050	3.434	Bag3	1.155
Usp10	0.002	1.106	3.215	4.320	3.137	3.340	3.167	4.402	4.239	2610028D06Rik	1.153
Slc2a13	0.006	1.105	4.167	5.272	3.961	4.387	4.154	5.228	5.316	Usp10	1.152
Bag3	0.004	1.103	4.831	5.935	4.790	4.746	4.958	6.081	5.788	Pdk2	1.149
Dynlt1b	0.005	1.102	4.428	5.530	4.485	4.592	4.208	5.549	5.512	Gm20701	1.147
Pcyox1l	0.003	1.100	2.349	3.449	2.297	2.498	2.251	3.345	3.554	Pcyox1l	1.144
Vps37d	0.005	1.099	3.141	4.240	3.130	3.117	3.176	4.041	4.438	Ap1g2	1.143
Mif4gd	0.007	1.098	3.869	4.967	3.918	4.011	3.678	4.832	5.102	Stox2	1.141
Hnrnpa0	0.001	1.097	5.791	6.888	5.836	5.842	5.694	6.803	6.973	Hnrnpa0	1.141
Tmem109	0.000	1.096	5.145	6.241	5.122	5.203	5.109	6.291	6.191	Mif4gd	1.140
Pdk2	0.004	1.096	4.339	5.434	4.422	4.301	4.293	5.274	5.595	Dagla	1.139
Sdc2	0.001	1.095	4.417	5.512	4.335	4.532	4.383	5.519	5.506	Tmem109	1.138
Pxn	0.001	1.095	2.362	3.457	2.267	2.444	2.375	3.368	3.547	Pxn	1.138
Stox2	0.002	1.094	2.923	4.016	2.870	2.958	2.941	4.140	3.893	Slc2a13	1.136
Myl12a	0.000	1.093	3.550	4.644	3.508	3.548	3.595	4.600	4.687	Myl12a	1.134
E2f5	0.003	1.093	3.986	5.079	4.094	4.025	3.838	4.986	5.171	Dynlt1b	1.133
Plxnb1	0.000	1.092	4.323	5.415	4.299	4.352	4.317	5.385	5.445	Sdc2	1.133
Gtpbp2	0.001	1.089	4.839	5.928	4.933	4.712	4.873	5.892	5.964	Ppard	1.133
Ap1g2	0.006	1.088	3.440	4.528	3.444	3.355	3.521	4.332	4.724	Plxnb1	1.132
Gm10524	0.001	1.088	4.341	5.429	4.263	4.410	4.350	5.334	5.523	E2f5	1.132
Ppard	0.004	1.088	3.008	4.096	3.124	2.968	2.931	4.245	3.946	Ccdc160	1.130
Ccdc160	0.009	1.088	0.995	2.083	0.970	0.842	1.174	1.915	2.251	Gm10524	1.128
Dnase2a	0.000	1.087	1.786	2.873	1.722	1.805	1.832	2.900	2.846	Zfp791	1.126
Map3k9	0.004	1.087	1.677	2.764	1.485	1.793	1.754	2.712	2.816	Dnase2a	1.123
Dagla	0.004	1.086	4.461	5.547	4.451	4.471	4.463	5.368	5.727	Gtpbp2	1.123
Tamalin	0.000	1.086	2.847	3.933	2.844	2.928	2.769	3.894	3.971	Map4	1.123
Map4	0.000	1.085	3.817	4.902	3.802	3.822	3.825	4.860	4.944	Bmi1	1.121

Zfp791	0.003	1.085	1.571	2.657	1.686	1.533	1.494	2.538	2.776	Tamalin	1.121
Bmi1	0.000	1.085	5.222	6.306	5.179	5.260	5.226	6.257	6.355	Irf2bp2	1.119
Irf2bp2	0.000	1.084	5.844	6.928	5.871	5.812	5.851	6.935	6.921	Scrn2	1.119
Gm13577	0.001	1.083	2.224	3.307	2.148	2.202	2.322	3.304	3.310	mt-Nd2	1.119
Nudt12	0.002	1.083	1.980	3.062	1.894	2.097	1.948	2.982	3.142	Galns	1.118
Mpzl1	0.000	1.082	4.174	5.256	4.246	4.133	4.143	5.241	5.271	Gm43328	1.118
Gbp9	0.004	1.081	3.940	5.021	3.867	4.091	3.861	5.141	4.901	Gbp9	1.117
mt-Nd2	0.010	1.080	10.482	11.563	10.621	10.281	10.546	11.734	11.391	Nudt12	1.117
Wdsub1	0.001	1.079	3.870	4.949	3.974	3.824	3.811	4.928	4.970	Grhl1	1.117
Apobec3	0.000	1.079	1.600	2.679	1.626	1.576	1.600	2.626	2.732	Nectin1	1.117
Capn15	0.000	1.079	3.672	4.751	3.644	3.681	3.692	4.771	4.731	Gm13577	1.116
Appl2	0.005	1.078	5.134	6.213	5.115	5.321	4.968	6.120	6.305	Map3k9	1.116
Scrn2	0.004	1.078	2.261	3.339	2.326	2.149	2.308	3.195	3.483	Mpzl1	1.116
Nectin1	0.002	1.078	2.259	3.337	2.181	2.251	2.345	3.209	3.465	Foxred2	1.115
Cd151	0.000	1.077	4.132	5.209	4.153	4.104	4.140	5.169	5.249	Apobec3	1.113
Zfp839	0.003	1.077	3.097	4.174	3.018	3.278	2.994	4.122	4.226	Ints7	1.113
Galns	0.003	1.076	4.617	5.692	4.669	4.550	4.632	5.545	5.840	Capn15	1.112
Grhl1	0.002	1.075	3.789	4.864	3.757	3.821	3.790	5.012	4.716	Chka	1.111
Gm43328	0.006	1.075	1.501	2.576	1.386	1.585	1.533	2.748	2.403	Cd151	1.111
Zcchc14	0.001	1.074	4.414	5.488	4.384	4.528	4.330	5.477	5.500	Wdsub1	1.110
Met	0.006	1.073	2.805	3.878	2.755	2.973	2.687	4.018	3.738	Nudt4	1.109
Btg3	0.003	1.072	1.912	2.984	2.006	1.798	1.933	3.106	2.862	Csnk1e	1.106
Slc26a1	0.002	1.072	2.389	3.460	2.509	2.287	2.370	3.366	3.555	Met	1.106
Nudt4	0.004	1.071	5.042	6.113	4.941	5.069	5.116	5.968	6.258	Btg3	1.106
Kcnmb2	0.003	1.071	5.707	6.778	5.631	5.881	5.609	6.758	6.798	Appl2	1.105
Prr7	0.006	1.070	1.938	3.008	2.077	2.029	1.708	2.965	3.052	Zfp839	1.102
Ints7	0.009	1.070	2.582	3.651	2.721	2.555	2.469	3.454	3.848	Zcchc14	1.102
Gm47950	0.001	1.069	2.348	3.417	2.328	2.480	2.235	3.414	3.419	Slc26a1	1.102
Chka	0.004	1.068	4.638	5.707	4.599	4.683	4.634	5.876	5.538	Pabpc1l	1.100
Foxred2	0.005	1.068	3.290	4.358	3.274	3.334	3.262	4.168	4.549	Atxn7	1.097
Atxn7	0.000	1.067	3.896	4.963	3.891	3.867	3.930	4.900	5.027	Gm44550	1.095
Gm44550	0.004	1.067	0.153	1.221	-0.010	0.253	0.217	1.328	1.113	Kcnmb2	1.093
Pabpc1l	0.001	1.066	1.356	2.421	1.323	1.357	1.387	2.299	2.544	Gm47950	1.092
Ppp1r15a	0.007	1.065	7.465	8.531	7.554	7.227	7.615	8.501	8.561	Pm20d2	1.088
Gm15567	0.004	1.064	0.420	1.484	0.578	0.247	0.435	1.545	1.424	Prr7	1.087
Csnk1e	0.006	1.063	2.610	3.673	2.580	2.682	2.569	3.481	3.865	Nfic	1.087
Nfic	0.000	1.062	4.899	5.961	4.832	4.953	4.911	5.958	5.964	Zfhx2	1.086
Slc22a5	0.001	1.062	3.266	4.328	3.217	3.379	3.202	4.343	4.312	Ckap4	1.086
C1qtnf6	0.005	1.062	2.677	3.739	2.862	2.651	2.518	3.677	3.801	Slc22a5	1.084
Zfhx2	0.000	1.061	4.427	5.487	4.453	4.457	4.370	5.457	5.518	Gm15567	1.084
Ckap4	0.000	1.059	4.403	5.462	4.396	4.393	4.420	5.527	5.397	Proser1	1.084
Proser1	0.001	1.059	2.871	3.929	2.929	2.803	2.880	3.865	3.994	Brpf3	1.084
Pm20d2	0.001	1.058	2.730	3.788	2.755	2.772	2.663	3.677	3.900	Wnk4	1.082
Zc3h11a	0.001	1.057	2.286	3.343	2.185	2.346	2.327	3.354	3.333	Foxo1	1.082
Hps4	0.000	1.057	3.757	4.814	3.793	3.682	3.795	4.826	4.801	Ctsz	1.082
Marchf7	0.000	1.057	3.855	4.912	3.891	3.810	3.863	4.869	4.954	Marchf7	1.081
Ctsz	0.003	1.055	5.217	6.272	5.098	5.314	5.239	6.397	6.148	Hps4	1.079
C1qtnf12	0.000	1.054	3.863	4.917	3.903	3.885	3.801	4.958	4.876	C1qtnf6	1.079
Brpf3	0.003	1.054	4.135	5.189	4.107	4.231	4.066	5.046	5.332	Ppp1r15a	1.079
Fubp1	0.000	1.054	4.442	5.496	4.466	4.414	4.447	5.430	5.563	Zc3h11a	1.079
Snhg16	0.004	1.054	0.147	1.201	0.306	-0.048	0.183	1.234	1.167	Fubp1	1.078
Helz2	0.003	1.053	2.375	3.429	2.461	2.246	2.419	3.542	3.316	Camkk2	1.078
Rassf6	0.001	1.053	2.216	3.269	2.290	2.129	2.228	3.319	3.220	Helz2	1.078
Stard13	0.002	1.053	3.593	4.646	3.645	3.451	3.684	4.601	4.691	C1qtnf12	1.076
Foxo1	0.003	1.051	3.456	4.507	3.494	3.453	3.421	4.359	4.654	Rassf6	1.074
Camkk2	0.002	1.050	2.333	3.382	2.387	2.307	2.304	3.253	3.512	Pprc1	1.074
mt-Nd4	0.004	1.049	10.384	11.434	10.444	10.212	10.496	11.504	11.363	Zfp362	1.074
Tet3	0.001	1.049	2.342	3.391	2.370	2.239	2.416	3.327	3.455	Mnt	1.072
Wnk4	0.005	1.048	4.683	5.732	4.749	4.633	4.668	5.559	5.904	1110018N20Rik	1.072
1110018N20Rik	0.001	1.048	2.922	3.970	2.944	2.912	2.909	3.880	4.060	Rxra	1.071
Nod1	0.001	1.047	4.264	5.311	4.299	4.363	4.129	5.329	5.292	Stard13	1.071
Rxra	0.001	1.046	3.344	4.391	3.342	3.365	3.325	4.278	4.503	4932442E05Rik	1.070
Mnt	0.004	1.046	4.104	5.150	4.129	4.182	4.002	5.294	5.007	Tet3	1.069
Pprc1	0.003	1.046	3.285	4.331	3.239	3.263	3.354	4.477	4.185	Acsl6	1.067
4932442E05Rik	0.002	1.046	2.080	3.125	2.161	2.063	2.015	2.998	3.252	Snhg16	1.066
Tmcc3	0.000	1.045	2.939	3.984	2.896	2.971	2.949	3.962	4.006	mt-Nd4	1.065

Acsl6	0.001	1.045	1.823	2.868	1.776	1.859	1.834	2.775	2.961	Tmcc3	1.063
Zfp362	0.004	1.044	3.922	4.965	3.908	3.987	3.870	4.800	5.130	Gpam	1.063
Sdr42e1	0.007	1.043	0.843	1.886	0.672	0.857	0.998	2.013	1.758	Lap3	1.062
Impg2	0.005	1.042	-0.367	0.675	-0.557	-0.193	-0.351	0.640	0.710	Nod1	1.062
Lap3	0.001	1.042	4.616	5.658	4.600	4.676	4.572	5.752	5.564	Sdr42e1	1.060
Ncor2	0.001	1.042	5.032	6.073	5.010	5.146	4.939	6.124	6.022	Ino80d	1.060
Plch1	0.001	1.041	2.765	3.806	2.717	2.852	2.727	3.755	3.858	Zfp608	1.057
Ino80d	0.000	1.040	2.881	3.922	2.895	2.877	2.872	3.845	3.999	Plch1	1.057
Ell2	0.001	1.040	4.436	5.476	4.381	4.369	4.557	5.424	5.528	Pgghg	1.056
Gm42659	0.003	1.039	1.282	2.322	1.138	1.450	1.259	2.326	2.317	Ncor2	1.056
Tssk6	0.001	1.039	0.558	1.597	0.489	0.499	0.686	1.625	1.568	Osbpl3	1.055
Gpam	0.003	1.038	3.197	4.235	3.248	3.184	3.160	4.085	4.384	Ell2	1.054
Zfp608	0.004	1.037	2.697	3.735	2.808	2.687	2.597	3.603	3.866	Ltbp3	1.054
Furin	0.001	1.037	3.697	4.733	3.606	3.774	3.710	4.747	4.719	C1galt1	1.051
Gss	0.000	1.036	2.790	3.826	2.746	2.868	2.757	3.820	3.832	Tssk6	1.051
C1galt1	0.000	1.035	4.837	5.872	4.816	4.822	4.872	5.811	5.933	Furin	1.049
Lrrc38	0.001	1.035	2.554	3.589	2.564	2.644	2.455	3.528	3.651	Gss	1.049
Slc39a11	0.000	1.035	4.453	5.488	4.399	4.539	4.421	5.514	5.463	Impg2	1.049
Gm5898	0.003	1.035	0.527	1.562	0.694	0.488	0.400	1.552	1.572	Lrrc38	1.048
Ky	0.000	1.034	4.252	5.286	4.207	4.310	4.240	5.299	5.273	Slc39a11	1.048
Mtss2	0.002	1.033	4.330	5.363	4.372	4.176	4.443	5.347	5.379	Gm42659	1.047
Lpcat4	0.003	1.033	2.156	3.189	2.235	1.984	2.249	3.126	3.251	Ky	1.047
Ltbp3	0.002	1.033	4.160	5.193	4.142	4.196	4.142	5.063	5.323	Tox3	1.046
Casp8	0.001	1.032	3.125	4.157	3.184	3.192	2.999	4.103	4.211	Zfpm1	1.045
Hmgcr	0.001	1.031	4.820	5.852	4.759	4.959	4.742	5.873	5.830	Casp8	1.042
Tox3	0.001	1.031	5.285	6.316	5.281	5.329	5.244	6.234	6.397	Acot6	1.042
C77080	0.005	1.030	5.353	6.384	5.243	5.545	5.272	6.289	6.479	Gm5898	1.041
Poglut2	0.006	1.030	2.334	3.364	2.369	2.507	2.125	3.398	3.329	Lpcat4	1.040
mt-Tp	0.002	1.030	7.940	8.969	8.106	7.844	7.869	8.948	8.990	Mtss2	1.040
Zfpm1	0.001	1.030	1.612	2.642	1.561	1.628	1.648	2.735	2.549	Hmgcr	1.039
Dbndd1	0.001	1.029	1.006	2.035	1.102	1.018	0.898	2.051	2.019	Rgs19	1.039
Arid1a	0.001	1.028	4.729	5.758	4.687	4.818	4.683	5.712	5.804	Kmt2a	1.039
Pgghg	0.005	1.028	3.988	5.016	3.976	4.008	3.980	4.830	5.202	Arid1a	1.039
Osbpl3	0.006	1.027	1.723	2.750	1.757	1.700	1.713	2.556	2.944	E330037G11Rik	1.039
Crls1	0.000	1.027	4.564	5.590	4.518	4.555	4.619	5.622	5.558	C77080	1.038
Rgs19	0.009	1.025	1.674	2.700	1.749	1.787	1.486	2.542	2.857	Cbl1	1.037
Tmem151a	0.008	1.025	1.478	2.503	1.641	1.557	1.236	2.476	2.530	Dbndd1	1.037
E330037G11Rik	0.002	1.024	0.515	1.539	0.443	0.579	0.524	1.655	1.424	Crls1	1.037
Slc7a2	0.002	1.023	6.056	7.079	6.015	6.201	5.952	7.035	7.123	Insm1	1.036
Acot6	0.006	1.023	1.042	2.065	1.063	1.134	0.928	1.901	2.229	Wiz	1.035
Insm1	0.001	1.023	7.283	8.306	7.310	7.307	7.233	8.205	8.408	mt-Tp	1.035
Slc66a2	0.001	1.022	3.291	4.313	3.273	3.222	3.378	4.397	4.228	Slc66a2	1.033
Tob1	0.000	1.022	6.779	7.800	6.779	6.733	6.824	7.866	7.735	Rab11fip2	1.032
Kmt2a	0.002	1.021	4.502	5.523	4.500	4.523	4.483	5.387	5.660	Tob1	1.032
Rab11fip2	0.001	1.021	3.436	4.457	3.468	3.442	3.398	4.548	4.365	Poglut2	1.030
Gm37891	0.000	1.019	1.666	2.685	1.624	1.710	1.662	2.753	2.617	Pip4k2a	1.029
Cbl1	0.005	1.019	3.521	4.540	3.519	3.606	3.438	4.379	4.702	Gm37891	1.028
Lhfp15	0.006	1.019	2.872	3.891	3.053	2.871	2.691	3.826	3.955	Slc7a2	1.028
Rcor1	0.001	1.019	4.391	5.409	4.328	4.495	4.349	5.462	5.356	Pitpnc1	1.027
Mideas	0.000	1.017	3.330	4.347	3.360	3.322	3.308	4.418	4.277	Mideas	1.026
Pitpnc1	0.001	1.017	4.035	5.051	4.021	4.009	4.075	4.958	5.145	Rcor1	1.025
Naprt	0.001	1.016	2.529	3.545	2.472	2.609	2.507	3.458	3.633	Naprt	1.025
Ahdc1	0.001	1.015	3.135	4.151	3.214	3.172	3.020	4.098	4.203	Bag2	1.024
Wiz	0.005	1.015	3.825	4.840	3.854	3.807	3.814	4.665	5.015	Reps2	1.021
Synpr	0.000	1.015	4.702	5.717	4.627	4.716	4.763	5.687	5.747	Tph1	1.021
Med26	0.003	1.014	3.087	4.101	3.139	2.948	3.173	4.017	4.185	Tmem151a	1.020
Tph1	0.003	1.014	8.023	9.037	8.013	7.924	8.131	8.931	9.142	Nrep	1.020
Pip4k2a	0.002	1.014	3.168	4.182	3.154	3.178	3.172	4.041	4.322	Ahdc1	1.020
Nrep	0.001	1.013	3.022	4.035	3.065	3.021	2.981	3.963	4.107	Synpr	1.019
Adgra3	0.005	1.012	1.517	2.529	1.503	1.669	1.378	2.416	2.641	Agap1	1.019
Agap1	0.003	1.011	3.011	4.022	2.919	3.121	2.994	4.142	3.903	Med26	1.019
Acads	0.000	1.011	3.860	4.871	3.913	3.824	3.843	4.825	4.917	Lhfp15	1.018
Pcgf2	0.002	1.010	3.513	4.523	3.543	3.575	3.421	4.422	4.624	Pcgf2	1.017
Reps2	0.003	1.009	4.199	5.208	4.157	4.277	4.163	5.066	5.351	Adgra3	1.016
Pard6b	0.010	1.009	2.572	3.581	2.405	2.799	2.511	3.479	3.683	Acads	1.015
Rhobtb3	0.002	1.009	3.246	4.255	3.174	3.361	3.203	4.185	4.324	Il17d	1.013

Hdac6	0.000	1.008	4.775	5.783	4.842	4.745	4.737	5.734	5.833	Adck5	1.012
Il17d	0.001	1.008	3.561	4.569	3.567	3.602	3.513	4.490	4.648	Hdac6	1.012
Trim65	0.002	1.008	1.238	2.245	1.360	1.086	1.267	2.232	2.258	Zswim4	1.011
Adck5	0.001	1.007	5.151	6.159	5.077	5.203	5.174	6.080	6.238	Itpkc	1.011
Bag2	0.006	1.005	4.871	5.877	4.904	4.813	4.896	6.067	5.686	Rhobtb3	1.011
Pisd	0.001	1.005	2.418	3.423	2.417	2.337	2.501	3.349	3.498	Gm48677	1.008
Dnpep	0.000	1.005	5.250	6.254	5.244	5.310	5.195	6.301	6.208	Pisd	1.007
Zswim4	0.006	1.005	2.848	3.852	2.909	2.702	2.932	3.708	3.996	Dnpep	1.006
Zxdc	0.000	1.004	3.436	4.440	3.504	3.418	3.386	4.478	4.402	Rel2	1.006
Mink1	0.003	1.004	4.647	5.650	4.690	4.764	4.487	5.616	5.685	Tmsb10	1.006
Smad5	0.000	1.003	4.586	5.589	4.571	4.615	4.571	5.565	5.613	Retreg1	1.005
Tmsb10	0.006	1.003	3.687	4.690	3.832	3.546	3.684	4.560	4.821	Zxdc	1.005
Itpkc	0.004	1.003	1.781	2.783	1.786	1.696	1.860	2.925	2.642	Smad5	1.005
Cdk12	0.000	1.003	3.146	4.148	3.202	3.073	3.162	4.129	4.168	Trim65	1.005
Ntn3	0.005	1.002	-0.136	0.866	0.048	-0.300	-0.155	0.862	0.871	Pard6b	1.004
Rel2	0.006	1.001	-0.110	0.891	-0.234	0.024	-0.119	1.034	0.747	Rpa1	1.003
Rpa1	0.001	1.001	5.110	6.111	5.047	5.120	5.163	6.035	6.187	Cdk12	1.002
Spsb2	0.001	1.000	4.121	5.121	4.171	4.159	4.033	5.030	5.212	Spsb2	1.002
Trp53cor1	0.000	1.000	0.108	1.108	0.111	0.113	0.101	1.054	1.163	Trp53cor1	1.001
Gse1	0.001	0.999	4.410	5.409	4.405	4.499	4.326	5.382	5.436	A230083G16Rik	1.001
A230083G16Rik	0.003	0.999	2.948	3.947	3.045	2.964	2.836	3.838	4.057	Bahcc1	1.000
B4galt1	0.000	0.999	4.113	5.112	4.060	4.193	4.086	5.119	5.104	Mink1	0.999
Bahcc1	0.004	0.998	2.089	3.087	1.951	2.172	2.143	2.971	3.202	Map3k14	0.997
Citrn	0.000	0.998	9.179	10.177	9.197	9.120	9.222	10.151	10.204	Citrn	0.997
Slc1a4	0.000	0.997	3.864	4.862	3.777	3.926	3.889	4.877	4.846	Gse1	0.997
Gm43759	0.009	0.996	2.204	3.200	2.097	2.077	2.438	3.276	3.124	B4galt1	0.996
Snx24	0.000	0.996	3.832	4.828	3.753	3.856	3.888	4.809	4.848	Arhgap17	0.995
Arhgap17	0.007	0.996	2.834	3.830	2.714	3.001	2.787	3.699	3.962	Slc1a4	0.995
Clk2	0.004	0.996	3.970	4.966	4.149	3.938	3.823	4.950	4.982	Ntn3	0.993
Fam3c	0.001	0.995	4.176	5.171	4.133	4.293	4.100	5.124	5.217	Snx24	0.993
Map3k14	0.002	0.995	1.524	2.518	1.485	1.588	1.498	2.623	2.414	Fam3c	0.991
Fmn12	0.001	0.994	4.777	5.772	4.695	4.861	4.776	5.747	5.796	Fmn12	0.990
Iffo2	0.008	0.994	0.820	1.814	0.974	0.578	0.908	1.850	1.779	Rps10-ps4	0.986
Retreg1	0.006	0.994	4.276	5.269	4.223	4.339	4.265	5.447	5.092	Clk2	0.985
Gm48677	0.009	0.992	0.779	1.771	0.735	0.730	0.870	1.564	1.978	Gm43759	0.984
Map4k4	0.002	0.990	3.919	4.909	3.803	4.059	3.893	4.867	4.951	5730420D15Rik	0.982
Ap5b1	0.002	0.989	2.519	3.508	2.516	2.388	2.652	3.473	3.542	Map4k4	0.982
Rps10-ps4	0.001	0.989	-0.175	0.814	-0.115	-0.246	-0.164	0.883	0.745	2900076A07Rik	0.980
5730420D15Rik	0.001	0.988	3.330	4.318	3.250	3.397	3.345	4.272	4.365	Ap5b1	0.980
Gm12404	0.005	0.988	2.640	3.628	2.737	2.440	2.744	3.577	3.679	Rpl9-ps6	0.980
Rpl9-ps6	0.007	0.986	0.186	1.173	0.254	0.006	0.299	1.289	1.056	Iffo2	0.979
Gk5	0.003	0.984	1.103	2.087	1.111	0.977	1.222	2.013	2.161	Hcn3	0.976
Tnfsf12	0.010	0.983	3.508	4.491	3.501	3.722	3.301	4.412	4.571	Gk5	0.975
2900076A07Rik	0.001	0.983	3.558	4.541	3.601	3.503	3.570	4.448	4.635	Gm12404	0.975
Jun	0.003	0.983	9.689	10.672	9.751	9.529	9.788	10.647	10.697	Rreb1	0.973
Gm26558	0.007	0.982	0.288	1.270	0.442	0.329	0.093	1.346	1.194	Dennd3	0.973
Trmt13	0.000	0.980	1.467	2.447	1.474	1.393	1.534	2.419	2.474	Cdr2l	0.972
Dennd3	0.000	0.979	3.073	4.053	3.112	3.051	3.058	4.001	4.105	B3gnt2	0.971
Lpin2	0.001	0.979	1.699	2.679	1.700	1.606	1.792	2.693	2.664	Trmt13	0.971
Cdr2l	0.002	0.979	2.106	3.085	2.203	2.039	2.078	3.000	3.170	Jun	0.970
B3gnt2	0.001	0.979	-0.088	0.891	-0.073	-0.162	-0.028	0.954	0.828	Marveld3	0.970
Marveld3	0.000	0.978	4.626	5.604	4.616	4.681	4.582	5.573	5.636	Ifngr1	0.970
Hcn3	0.002	0.978	3.131	4.109	3.127	3.179	3.087	3.994	4.224	Pan2	0.969
Tbc1d16	0.007	0.978	5.367	6.345	5.247	5.600	5.255	6.327	6.364	Lpin2	0.969
Ifngr1	0.000	0.978	3.538	4.516	3.564	3.522	3.528	4.496	4.536	Cib1	0.969
Cib1	0.000	0.977	4.638	5.616	4.665	4.593	4.658	5.656	5.575	Supt20	0.968
Retsat	0.003	0.977	2.593	3.569	2.490	2.753	2.535	3.524	3.614	Gm26558	0.968
Nedd4l	0.005	0.977	2.081	3.057	1.993	2.245	2.005	2.958	3.156	Usp35	0.967
Cxadr	0.000	0.977	2.982	3.959	2.934	3.011	3.001	3.940	3.977	Cxadr	0.967
Pan2	0.001	0.977	3.605	4.582	3.666	3.563	3.586	4.507	4.656	Tnfsf12	0.966
Taf4	0.001	0.976	3.491	4.468	3.418	3.597	3.459	4.504	4.431	Nedd4l	0.966
Usp35	0.000	0.976	5.151	6.127	5.214	5.099	5.140	6.176	6.078	Taf4	0.966
Gm13061	0.008	0.975	-0.320	0.655	-0.226	-0.553	-0.181	0.657	0.653	Gm16090	0.965
Obsl1	0.000	0.975	3.199	4.174	3.268	3.183	3.145	4.204	4.143	Obsl1	0.965
Rreb1	0.005	0.974	3.082	4.056	3.024	3.176	3.047	3.906	4.207	Retsat	0.962
Gm16090	0.004	0.973	2.075	3.049	2.201	2.011	2.014	2.938	3.159	Tspan6	0.962



Prxl2a	0.005	0.972	4.220	5.192	4.207	4.355	4.099	5.083	5.302	Prxl2a	0.962
Vmp1	0.000	0.972	5.570	6.542	5.568	5.512	5.629	6.508	6.575	Gan	0.962
Tspan6	0.009	0.971	0.989	1.960	1.028	0.814	1.124	1.817	2.103	Baiap2l1	0.961
2810414N06Rik	0.007	0.970	1.343	2.313	1.151	1.361	1.517	2.233	2.393	Vmp1	0.961
Cmtr2	0.004	0.970	2.101	3.072	1.975	2.211	2.118	3.179	2.964	Cmtr2	0.960
Sipa1l1	0.002	0.970	3.280	4.250	3.208	3.364	3.269	4.165	4.335	Sipa1l1	0.960
Pwwp2a	0.001	0.970	2.991	3.961	3.053	2.895	3.026	3.955	3.966	Tbc1d16	0.957
Baiap2l1	0.001	0.969	4.483	5.452	4.517	4.506	4.426	5.543	5.362	Pwwp2a	0.956
Supt20	0.004	0.969	3.960	4.929	3.914	3.995	3.969	4.777	5.082	Dusp18	0.955
Gpt2	0.008	0.969	2.857	3.826	2.974	2.629	2.967	3.765	3.886	Tuba1c	0.955
Plekhf2	0.008	0.969	2.933	3.901	2.805	3.156	2.837	3.970	3.833	Gm13061	0.953
Tuba1c	0.001	0.969	3.797	4.766	3.777	3.722	3.893	4.778	4.753	2810414N06Rik	0.952
Gan	0.010	0.966	1.334	2.300	1.351	1.462	1.189	2.126	2.474	Ankrd24	0.949
Rara	0.008	0.966	1.734	2.700	1.945	1.689	1.567	2.645	2.755	Asxl2	0.949
Dusp18	0.001	0.966	4.890	5.855	4.832	4.900	4.937	5.940	5.770	Zbtb39	0.949
Ubr2	0.001	0.964	4.900	5.864	4.795	5.001	4.904	5.862	5.865	Fam234a	0.948
Bri3bp	0.001	0.962	1.719	2.681	1.793	1.654	1.712	2.623	2.739	Bri3bp	0.948
Srsf5	0.003	0.961	7.184	8.145	7.287	7.048	7.217	8.065	8.225	Gpt2	0.947
Ankrd24	0.002	0.960	4.699	5.660	4.787	4.625	4.686	5.553	5.766	Plekhf2	0.947
Spry2	0.008	0.960	1.582	2.542	1.400	1.686	1.659	2.411	2.672	Fam227a	0.947
Fam234a	0.003	0.960	5.406	6.365	5.383	5.508	5.326	6.252	6.479	Ubr2	0.947
Fam227a	0.001	0.959	1.288	2.248	1.329	1.219	1.318	2.154	2.341	Spry2	0.946
Ankrd52	0.004	0.957	3.801	4.758	3.745	3.930	3.727	4.647	4.869	Srsf5	0.945
Zbtb39	0.004	0.957	2.757	3.715	2.748	2.844	2.681	3.577	3.852	Ankrd52	0.944
Gpx3	0.001	0.957	10.580	11.536	10.593	10.495	10.651	11.511	11.562	Rara	0.943
Dvl3	0.000	0.957	4.695	5.652	4.692	4.708	4.685	5.654	5.651	Dvl3	0.941
Asxl2	0.004	0.956	3.471	4.427	3.409	3.469	3.534	4.280	4.573	Gpx3	0.940
F420014N23Rik	0.007	0.956	0.708	1.664	0.700	0.886	0.540	1.589	1.739	Cramp1	0.939
Cramp1	0.001	0.955	3.538	4.493	3.508	3.606	3.501	4.438	4.549	Cdk8	0.938
Lrig1	0.009	0.954	2.701	3.656	2.742	2.867	2.495	3.556	3.755	Myo10	0.936
Cdk8	0.000	0.954	4.659	5.613	4.642	4.675	4.659	5.591	5.635	Trim56	0.936
Dsp	0.001	0.954	5.139	6.093	5.096	5.231	5.089	6.097	6.089	Dsp	0.935
Trim56	0.000	0.953	3.875	4.829	3.864	3.906	3.857	4.818	4.840	Bcl7a	0.935
Nrip3	0.002	0.952	1.269	2.221	1.373	1.150	1.283	2.172	2.270	Nudt13	0.935
Nudt13	0.003	0.952	2.709	3.661	2.807	2.584	2.735	3.571	3.751	Ndst1	0.934
Rhbdl3	0.002	0.952	2.246	3.198	2.169	2.371	2.198	3.138	3.258	Best3	0.934
Best3	0.000	0.952	4.308	5.260	4.290	4.278	4.356	5.230	5.289	F420014N23Rik	0.933
Usp18	0.001	0.951	4.982	5.934	4.903	5.099	4.946	5.931	5.936	Rhbdl3	0.933
Myo10	0.002	0.951	3.836	4.787	3.788	3.903	3.818	4.887	4.688	Nrip3	0.932
Usp28	0.000	0.950	1.716	2.666	1.697	1.794	1.658	2.660	2.672	Lrig1	0.931
Cux2	0.000	0.949	4.305	5.253	4.324	4.308	4.282	5.233	5.273	Cux2	0.930
Kazn	0.000	0.948	1.902	2.850	1.972	1.841	1.892	2.890	2.810	Usp18	0.930
Ybx3	0.000	0.947	5.072	6.019	5.029	5.122	5.066	6.052	5.986	Usp28	0.930
Cdyl	0.002	0.946	2.019	2.965	1.955	2.094	2.008	2.867	3.063	Cdyl	0.930
Barhl1	0.001	0.945	3.087	4.031	3.056	3.195	3.009	4.058	4.004	Kazn	0.929
Gm15751	0.007	0.945	1.681	2.626	1.706	1.514	1.823	2.520	2.732	Ybx3	0.928
Btbd7	0.003	0.944	2.440	3.384	2.342	2.610	2.368	3.376	3.393	Gm42664	0.928
Gcnt2	0.004	0.944	3.857	4.801	3.761	3.854	3.957	4.687	4.916	Gcnt2	0.928
Bcl7a	0.009	0.944	2.792	3.736	2.714	2.914	2.748	3.553	3.918	Sall1	0.924
Gm42664	0.005	0.943	2.388	3.332	2.264	2.474	2.427	3.195	3.468	Gm15751	0.922
Rilpl2	0.000	0.943	3.489	4.432	3.536	3.474	3.457	4.429	4.434	Barhl1	0.922
Fryl	0.000	0.942	4.071	5.013	4.071	4.057	4.084	5.006	5.020	Rilpl2	0.922
Slc16a13	0.002	0.942	2.499	3.441	2.477	2.610	2.409	3.358	3.523	Fryl	0.921
Terf2	0.000	0.942	4.610	5.551	4.637	4.635	4.556	5.510	5.592	Slc16a13	0.921
Gadd45g	0.005	0.940	8.500	9.440	8.594	8.317	8.588	9.386	9.494	Terf2	0.921
Hmgn3	0.000	0.940	5.581	6.521	5.596	5.544	5.603	6.463	6.579	Hmgn3	0.920
Dnase1l1	0.004	0.940	1.818	2.757	1.821	1.975	1.657	2.740	2.774	Pou6f1	0.920
Rhpn1	0.000	0.939	1.690	2.629	1.687	1.694	1.688	2.636	2.623	Mob1b	0.919
Nr6a1	0.006	0.939	1.430	2.369	1.286	1.426	1.578	2.472	2.267	Rhpn1	0.918
Lrp1	0.001	0.939	0.001	0.940	-0.042	-0.046	0.092	0.916	0.965	Btbd7	0.918
Marchf9	0.000	0.939	4.921	5.859	4.913	4.957	4.892	5.891	5.828	Marchf9	0.917
Mob1b	0.001	0.938	3.267	4.205	3.217	3.248	3.334	4.114	4.296	Nr6a1	0.916
Ndst1	0.010	0.938	5.183	6.121	5.154	5.249	5.146	5.916	6.326	Lrp1	0.916
Ppp1r12b	0.002	0.938	2.608	3.546	2.514	2.592	2.717	3.466	3.625	Ppp1r12b	0.915
Tmem181a	0.001	0.936	2.865	3.802	2.924	2.816	2.857	3.745	3.858	Tmem181a	0.914
Sall1	0.008	0.935	3.054	3.989	3.132	2.948	3.083	4.168	3.811	Chic2	0.913

Tmem181b-ps	0.000	0.934	4.979	5.913	5.007	4.951	4.978	5.958	5.868	Gadd45g	0.912
Fam107a	0.002	0.933	2.136	3.069	2.007	2.171	2.230	3.071	3.067	Tmem181b-ps	0.911
Pou6f1	0.005	0.932	3.057	3.989	3.116	3.034	3.020	3.826	4.152	Dnase1l1	0.911
Zfp628	0.006	0.932	3.101	4.033	3.281	2.992	3.031	3.946	4.119	Vamp1	0.910
Vamp1	0.001	0.931	2.432	3.363	2.473	2.393	2.431	3.273	3.453	Cand2	0.910
Chic2	0.009	0.931	2.018	2.949	2.048	1.878	2.129	2.789	3.110	Sh3rf1	0.909
Fcho2	0.000	0.931	3.334	4.264	3.315	3.381	3.305	4.222	4.306	Pkp3	0.908
4633401B06Rik	0.010	0.929	0.533	1.463	0.714	0.299	0.586	1.484	1.441	Cln3	0.906
Pkp3	0.003	0.929	2.623	3.552	2.535	2.693	2.641	3.442	3.662	Fcho2	0.906
Sh3rf1	0.003	0.929	1.399	2.328	1.449	1.325	1.423	2.204	2.452	Fam107a	0.905
Abcc10	0.001	0.929	3.341	4.270	3.405	3.243	3.376	4.202	4.338	Abcc10	0.903
Hs6st1	0.004	0.928	4.419	5.347	4.293	4.584	4.381	5.387	5.308	Zfp628	0.903
Cln3	0.002	0.927	3.099	4.026	3.107	3.152	3.038	3.911	4.141	Usp54	0.903
Adra2a	0.001	0.927	6.708	7.635	6.690	6.759	6.676	7.561	7.709	Adra2a	0.903
Map4k3	0.007	0.926	2.960	3.886	2.784	3.112	2.983	3.805	3.967	Tbc1d12	0.902
Tbc1d12	0.001	0.926	2.463	3.389	2.443	2.488	2.459	3.310	3.467	Tcf24	0.901
Cfap157	0.007	0.925	0.549	1.475	0.758	0.463	0.427	1.458	1.491	Unc5a	0.901
Cand2	0.004	0.925	3.573	4.498	3.578	3.574	3.567	4.343	4.653	Acadm	0.899
Acadm	0.001	0.924	3.527	4.451	3.493	3.593	3.495	4.385	4.518	Pex10	0.898
Denn2b	0.001	0.924	4.887	5.811	4.834	4.965	4.861	5.759	5.863	Scg2	0.898
Cd63	0.001	0.924	7.285	8.209	7.232	7.391	7.233	8.225	8.193	Denn2b	0.897
Usp54	0.002	0.924	2.277	3.201	2.279	2.286	2.267	3.083	3.318	Zfp579	0.897
Scg2	0.003	0.923	11.930	12.853	11.829	12.029	11.932	12.948	12.759	Hs6st1	0.897
Crebzf	0.001	0.923	4.935	5.858	5.008	4.929	4.867	5.831	5.885	Crebzf	0.895
Cdc5l	0.000	0.923	5.645	6.568	5.597	5.727	5.610	6.556	6.579	Cd63	0.895
Lpcat3	0.001	0.923	5.129	6.052	5.122	5.225	5.040	6.049	6.055	Map4k3	0.895
Tnfrsf11a	0.004	0.922	2.540	3.462	2.521	2.396	2.702	3.478	3.446	Cdc5l	0.895
Zfp579	0.003	0.922	3.058	3.979	3.158	3.018	2.996	3.872	4.087	Ddx58	0.894
Il4ra	0.004	0.921	1.562	2.483	1.456	1.725	1.505	2.540	2.426	Kdm1b	0.894
Tcf24	0.006	0.921	4.459	5.379	4.374	4.542	4.460	5.530	5.229	Lpcat3	0.893
Micall1	0.003	0.920	2.056	2.976	2.141	2.086	1.941	2.879	3.073	Micall1	0.893
Leprot	0.000	0.919	5.226	6.145	5.235	5.294	5.149	6.138	6.152	Tcf3	0.892
B4galt3	0.000	0.919	4.175	5.094	4.146	4.229	4.150	5.046	5.142	B4galt3	0.891
Tob2	0.008	0.919	3.764	4.683	3.674	3.984	3.634	4.638	4.728	4633401B06Rik	0.891
Unc5a	0.010	0.919	3.926	4.845	3.977	4.005	3.797	4.670	5.020	Leprot	0.889
Maml1	0.002	0.918	3.087	4.005	3.044	3.205	3.011	3.937	4.072	Cfap157	0.889
Gca	0.004	0.918	4.155	5.073	4.137	4.027	4.300	4.999	5.146	Il4ra	0.889
Ddx58	0.003	0.918	2.757	3.676	2.748	2.830	2.694	3.789	3.562	Maml1	0.889
Kdm1b	0.005	0.918	2.745	3.663	2.794	2.816	2.626	3.534	3.792	Birc3	0.888
Trim25	0.006	0.918	5.198	6.116	5.170	5.370	5.053	6.047	6.185	Anks1	0.888
Slc9a3r2	0.010	0.918	2.969	3.887	2.913	2.804	3.191	3.825	3.950	Tnfrsf11a	0.888
Chkb	0.004	0.918	1.063	1.981	1.236	0.924	1.029	1.980	1.982	Gca	0.886
Birc3	0.001	0.918	2.104	3.021	2.009	2.186	2.116	2.962	3.081	S100a11	0.886
Tcf3	0.001	0.918	4.109	5.027	4.119	4.147	4.062	4.941	5.113	Lrrc28	0.886
Gm17259	0.009	0.917	-0.058	0.859	-0.255	0.056	0.024	0.750	0.968	Sigirr	0.885
Pex10	0.005	0.917	3.224	4.141	3.246	3.161	3.266	4.294	3.988	Gm17259	0.885
S100a11	0.000	0.915	6.478	7.394	6.501	6.475	6.459	7.379	7.409	Plekha8	0.884
Prickle3	0.007	0.915	0.891	1.806	1.019	0.956	0.699	1.743	1.870	Trim25	0.884
Plekha8	0.002	0.915	2.897	3.812	2.818	3.019	2.853	3.871	3.753	Cnot6l	0.884
Lrp6	0.005	0.915	3.697	4.611	3.546	3.857	3.687	4.665	4.557	Crebbp	0.883
Sigirr	0.001	0.914	3.611	4.525	3.614	3.550	3.669	4.588	4.463	Rasgrp1	0.882
Phf2	0.003	0.914	5.021	5.935	4.960	5.171	4.931	5.886	5.983	Chkb	0.882
Sipa1l3	0.005	0.914	4.403	5.316	4.319	4.597	4.292	5.329	5.304	Phf2	0.880
Anks1	0.003	0.913	4.320	5.233	4.315	4.396	4.249	5.351	5.115	Tob2	0.880
Crebbp	0.000	0.912	3.289	4.201	3.257	3.313	3.297	4.152	4.250	Zhx2	0.880
Zhx2	0.000	0.910	3.459	4.369	3.406	3.470	3.500	4.424	4.314	Lrp6	0.879
Lrrc28	0.003	0.909	1.026	1.936	1.049	1.035	0.995	1.802	2.069	Prickle3	0.879
Fgf9	0.003	0.909	1.514	2.423	1.465	1.443	1.636	2.348	2.499	Slc9a3r2	0.879
Rasgrp1	0.009	0.909	3.967	4.875	3.885	3.891	4.125	4.723	5.028	Rabgap1l	0.878
Pparg	0.001	0.908	2.129	3.038	2.176	2.022	2.190	3.081	2.994	Fgf9	0.877
Fam185a	0.000	0.907	3.640	4.547	3.668	3.611	3.642	4.563	4.532	Pparg	0.875
Dapk1	0.006	0.906	4.077	4.984	4.040	4.260	3.932	5.010	4.957	Sipa1l3	0.875
Rabgap1l	0.002	0.906	2.663	3.569	2.706	2.677	2.607	3.471	3.668	Fam185a	0.875
Dlgap4	0.004	0.906	3.654	4.560	3.701	3.744	3.517	4.651	4.469	Dlgap4	0.873
Slc29a2	0.006	0.906	0.253	1.159	0.101	0.217	0.442	1.166	1.152	2310014F06Rik	0.873
Ttc12	0.005	0.905	0.858	1.764	0.887	1.000	0.688	1.737	1.790	Gm50462	0.873

Cnot6l	0.006	0.905	5.095	6.000	5.037	5.170	5.076	5.835	6.164	Ubap2	0.872
Gm50462	0.007	0.905	-0.150	0.755	-0.312	-0.062	-0.077	0.868	0.641	Tmeff1	0.870
Gm12940	0.002	0.905	3.152	4.057	3.047	3.288	3.122	4.039	4.075	Gm12940	0.868
Ubap2	0.000	0.905	4.918	5.823	4.924	4.963	4.868	5.823	5.823	Zfyve26	0.868
Zfyve26	0.001	0.903	2.066	2.970	1.985	2.168	2.046	2.955	2.984	Dapk1	0.866
Gstp1	0.006	0.902	4.158	5.060	4.329	4.072	4.074	5.155	4.966	Gstp1	0.866
Gm47483	0.009	0.900	2.466	3.366	2.544	2.605	2.247	3.299	3.433	Ttc12	0.866
Yes1	0.001	0.900	2.521	3.421	2.453	2.603	2.508	3.391	3.452	Spata2	0.865
Spata2	0.000	0.900	2.198	3.098	2.184	2.261	2.150	3.129	3.068	Fbxw24	0.865
Fbxw24	0.004	0.900	5.521	6.421	5.430	5.651	5.481	6.334	6.507	Yes1	0.865
Dbpht2	0.009	0.898	3.044	3.942	3.191	2.857	3.083	3.838	4.046	Ccdc15	0.865
Z310014F06Rik	0.008	0.898	1.836	2.734	1.720	1.900	1.887	2.570	2.898	Kmt2b	0.865
Tmeff1	0.007	0.898	0.255	1.153	0.370	0.244	0.151	1.302	1.004	Slc29a2	0.864
Dact1	0.001	0.898	2.348	3.246	2.398	2.264	2.383	3.229	3.263	Pisd-ps1	0.863
Kmt2b	0.001	0.898	4.032	4.929	4.041	4.055	3.999	4.860	4.998	Mef2d	0.863
Zbtb7b	0.001	0.897	4.684	5.581	4.762	4.683	4.608	5.577	5.585	Card19	0.862
Tor2a	0.001	0.896	4.509	5.405	4.456	4.495	4.575	5.337	5.472	Tor2a	0.862
Cacul1	0.001	0.895	4.092	4.987	4.056	4.178	4.042	4.927	5.047	Dact1	0.862
Card19	0.001	0.895	3.754	4.649	3.712	3.737	3.812	4.739	4.558	Dbpht2	0.860
H2bc9	0.000	0.894	2.196	3.090	2.169	2.175	2.244	3.092	3.089	Zbtb7b	0.860
Celsr3	0.000	0.894	4.650	5.544	4.679	4.645	4.625	5.479	5.609	Celsr3	0.860
Mef2d	0.001	0.894	5.549	6.443	5.558	5.573	5.515	6.341	6.545	Cacul1	0.860
Dcp1b	0.003	0.893	2.610	3.503	2.733	2.557	2.539	3.420	3.586	Fbxl18	0.859
Fpgs	0.009	0.893	3.816	4.709	3.936	3.608	3.904	4.781	4.638	H2bc9	0.858
Ccdc15	0.007	0.893	-0.086	0.806	-0.160	0.018	-0.118	0.961	0.652	Gm47483	0.858
Csrp1	0.001	0.892	5.951	6.843	6.002	5.843	6.008	6.823	6.864	Dcp1b	0.857
Tpt1-ps3	0.000	0.892	3.910	4.803	3.947	3.854	3.929	4.757	4.848	Ehbp1	0.857
Fnbp4	0.001	0.892	4.110	5.002	4.209	4.016	4.104	4.960	5.045	Tpt1-ps3	0.856
Hsbp1	0.008	0.892	7.904	8.795	7.828	8.083	7.801	8.902	8.689	Adgrg1	0.856
Fbxl18	0.003	0.892	1.971	2.862	2.050	1.941	1.921	2.749	2.976	Mrxip	0.856
Adgrg1	0.001	0.891	6.998	7.888	6.947	7.065	6.981	7.803	7.974	Nav2	0.855
Pisd-ps1	0.005	0.891	3.108	3.998	3.177	3.067	3.079	3.847	4.149	Dnmt3a	0.855
Arid4b	0.002	0.889	3.111	4.001	3.009	3.224	3.102	4.015	3.987	Fnbp4	0.854
Ehbp1	0.002	0.889	3.709	4.598	3.706	3.684	3.737	4.488	4.708	Csrp1	0.854
Trrap	0.001	0.888	3.924	4.812	3.897	3.983	3.891	4.749	4.875	Hsbp1	0.853
B930095G15Rik	0.001	0.888	3.262	4.150	3.318	3.173	3.296	4.158	4.143	Trrap	0.852
Mrxip	0.002	0.888	4.396	5.284	4.365	4.398	4.424	5.172	5.395	ENSMUSG00000	0.851
Fbrs	0.002	0.888	4.973	5.861	4.956	5.104	4.858	5.860	5.862	Rere	0.850
Arhgef10l	0.001	0.888	1.481	2.368	1.562	1.406	1.474	2.333	2.404	Blvrb	0.850
Blvrb	0.001	0.887	1.249	2.136	1.316	1.230	1.201	2.076	2.197	Fpgs	0.850
Rere	0.001	0.887	6.158	7.045	6.135	6.217	6.123	6.988	7.103	Tle2	0.849
Dnmt3a	0.003	0.887	4.261	5.148	4.298	4.282	4.203	5.032	5.264	B930095G15Rik	0.849
Mtmr7	0.000	0.887	5.885	6.772	5.872	5.870	5.914	6.779	6.765	Arhgef10l	0.849
Kdm3b	0.001	0.885	3.140	4.025	3.185	3.070	3.165	3.943	4.107	Arid4b	0.849
Nav2	0.003	0.885	3.592	4.477	3.577	3.583	3.615	4.340	4.613	Kdm3b	0.849
Lrrc18	0.001	0.885	2.201	3.086	2.120	2.263	2.219	3.077	3.094	Mtmr7	0.849
Tle2	0.003	0.885	3.719	4.604	3.770	3.764	3.624	4.497	4.711	Nme6	0.848
Pigm	0.001	0.884	2.768	3.652	2.822	2.668	2.812	3.693	3.611	Fbrs	0.846
ENSMUSG000000	0.005	0.883	6.545	7.428	6.632	6.512	6.490	7.289	7.567	Snapc1	0.846
Nme6	0.003	0.883	3.139	4.022	3.126	3.218	3.073	4.134	3.910	Lrrc18	0.845
Snapc1	0.001	0.882	2.186	3.068	2.232	2.162	2.163	2.987	3.149	Ano8	0.844
9530085L11Rik	0.005	0.882	1.348	2.230	1.467	1.168	1.408	2.219	2.242	Pigm	0.844
Naf1	0.000	0.882	2.321	3.203	2.330	2.343	2.290	3.185	3.221	Zscan29	0.844
Zscan29	0.002	0.882	3.417	4.299	3.355	3.498	3.399	4.222	4.375	Angel1	0.843
S100a1	0.001	0.882	6.462	7.344	6.472	6.525	6.391	7.302	7.386	Naf1	0.843
Efna5	0.002	0.881	3.409	4.290	3.354	3.535	3.339	4.304	4.276	S100a1	0.842
Ccs	0.000	0.880	4.450	5.329	4.420	4.433	4.496	5.272	5.387	Ccs	0.841
Ano8	0.003	0.880	3.542	4.422	3.594	3.565	3.468	4.308	4.536	Ankrd28	0.841
Fam135a	0.000	0.879	6.200	7.079	6.184	6.178	6.238	7.033	7.126	Farp1	0.841
Zfp46	0.002	0.879	2.759	3.638	2.670	2.756	2.852	3.585	3.691	Phf21a	0.841
Pex26	0.004	0.879	3.741	4.620	3.627	3.876	3.719	4.556	4.683	Fam135a	0.840
Farp1	0.001	0.879	4.520	5.399	4.459	4.579	4.522	5.317	5.481	6430503K07Rik	0.839
Phf21a	0.001	0.879	4.180	5.059	4.167	4.222	4.150	4.988	5.129	Zfp46	0.838
Kctd8	0.006	0.877	1.894	2.771	1.842	2.080	1.760	2.802	2.740	Zfp595	0.838
Gm12264	0.008	0.877	1.611	2.488	1.505	1.826	1.501	2.517	2.459	Efna5	0.838
Tes	0.000	0.877	4.805	5.681	4.778	4.842	4.795	5.678	5.685	Erbin	0.837

Zfp595	0.001	0.876	0.891	1.767	0.853	0.926	0.893	1.845	1.688	Pex26	0.836
Ccnh	0.001	0.876	4.559	5.435	4.538	4.496	4.644	5.402	5.468	9530085L11Rik	0.836
Ak2	0.002	0.875	5.180	6.056	5.261	5.104	5.176	6.133	5.978	Tes	0.836
Ankrd28	0.003	0.875	2.764	3.640	2.779	2.783	2.731	3.517	3.763	Ak2	0.835
Mmp24	0.001	0.874	2.225	3.100	2.196	2.299	2.181	3.046	3.153	Grb7	0.834
Med12	0.001	0.874	4.628	5.501	4.610	4.695	4.578	5.459	5.544	Ccnh	0.834
6430503K07Rik	0.009	0.874	5.508	6.381	5.506	5.623	5.394	6.228	6.535	Mmp24	0.833
Erbin	0.005	0.873	4.943	5.817	4.842	5.019	4.968	5.690	5.943	Med12	0.832
Angel1	0.009	0.872	3.681	4.553	3.607	3.753	3.682	4.371	4.735	Ccnj	0.831
Myo1b	0.006	0.872	2.398	3.270	2.379	2.535	2.280	3.165	3.375	Myo1b	0.830
Nbeal1	0.001	0.870	2.781	3.651	2.760	2.852	2.731	3.686	3.616	Lats1	0.830
Lats1	0.001	0.870	5.132	6.002	5.093	5.184	5.120	5.914	6.089	Kctd8	0.829
Steap2	0.004	0.869	2.739	3.607	2.703	2.872	2.640	3.537	3.678	Nbeal1	0.827
Phlpp2	0.008	0.868	2.853	3.721	2.860	3.016	2.682	3.652	3.790	Gm12264	0.826
Actb	0.005	0.867	9.574	10.441	9.604	9.434	9.684	10.361	10.521	Sh3d19	0.825
Cspp1	0.000	0.867	3.456	4.323	3.479	3.411	3.478	4.361	4.284	Steap2	0.824
Plagl2	0.006	0.866	2.661	3.528	2.620	2.821	2.543	3.454	3.602	Cspp1	0.824
Grb7	0.006	0.866	4.613	5.479	4.662	4.610	4.568	5.316	5.643	Adcy6	0.823
Cic	0.002	0.866	4.474	5.340	4.485	4.558	4.380	5.266	5.415	Cic	0.823
Ccnj	0.009	0.866	1.625	2.491	1.603	1.533	1.740	2.327	2.655	Actb	0.822
Col11a2	0.008	0.864	1.685	2.550	1.753	1.505	1.799	2.461	2.639	Lactb2	0.820
Tmem243	0.000	0.864	2.229	3.093	2.267	2.170	2.251	3.074	3.113	Irf6	0.820
Irf6	0.001	0.864	4.610	5.475	4.540	4.690	4.602	5.415	5.535	Tmem243	0.820
Wdtdc1	0.007	0.864	4.510	5.374	4.469	4.684	4.377	5.302	5.446	Phlpp2	0.820
Kcnb1	0.006	0.863	3.684	4.548	3.566	3.851	3.636	4.465	4.630	Plagl2	0.820
Adcy6	0.002	0.863	4.769	5.632	4.733	4.836	4.738	5.526	5.739	Col11a2	0.817
Lactb2	0.003	0.862	4.216	5.078	4.153	4.294	4.201	5.178	4.979	Trp53i13	0.816
Sh3d19	0.004	0.862	3.883	4.745	3.830	3.902	3.918	4.605	4.885	Kcnb1	0.816
Rps18	0.001	0.861	5.999	6.860	6.085	5.920	5.991	6.854	6.867	H2-Aa	0.815
Dgkh	0.000	0.861	2.126	2.987	2.048	2.183	2.148	2.983	2.991	Plppr2	0.815
H2-Aa	0.000	0.861	0.728	1.589	0.731	0.781	0.672	1.574	1.604	Brd4	0.815
Brd4	0.000	0.860	4.303	5.163	4.319	4.275	4.314	5.156	5.170	Dgkh	0.815
Cdon	0.004	0.860	3.434	4.294	3.341	3.554	3.407	4.377	4.211	Rps18	0.815
1700112D23Rik	0.005	0.860	3.291	4.151	3.124	3.317	3.433	4.143	4.159	Wdtdc1	0.815
Rac3	0.004	0.860	1.709	2.569	1.848	1.721	1.558	2.544	2.594	Cdon	0.815
Ddi2	0.001	0.859	3.898	4.757	3.814	4.008	3.870	4.768	4.745	Gm13199	0.812
Gm13199	0.008	0.858	1.492	2.350	1.347	1.502	1.626	2.464	2.235	Phldb1	0.811
Spred1	0.003	0.857	2.514	3.371	2.385	2.532	2.624	3.388	3.354	Ddi2	0.811
Fam126a	0.004	0.857	1.196	2.052	1.042	1.297	1.247	2.001	2.103	Atp13a3	0.811
Plppr2	0.005	0.857	4.724	5.581	4.759	4.792	4.622	5.456	5.706	Cnot6	0.811
Atp13a3	0.000	0.856	4.451	5.308	4.414	4.473	4.466	5.270	5.345	Tmem198b	0.810
Zfp282	0.001	0.856	2.921	3.777	2.925	2.993	2.846	3.720	3.835	Zfp282	0.810
Cnot6	0.000	0.856	4.325	5.181	4.330	4.344	4.302	5.136	5.226	Ptma	0.810
Ptma	0.000	0.856	7.280	8.136	7.310	7.307	7.225	8.161	8.111	Rac3	0.809
Trp53i13	0.005	0.855	5.039	5.895	5.102	5.037	4.978	5.757	6.032	Apool	0.808
Emilin1	0.000	0.855	6.395	7.250	6.329	6.430	6.426	7.248	7.253	Emilin1	0.808
Lcmt2	0.001	0.855	3.414	4.268	3.437	3.325	3.478	4.239	4.298	1700112D23Rik	0.808
Ptger1	0.001	0.854	-0.199	0.656	-0.095	-0.234	-0.266	0.688	0.623	Spred1	0.807
Tfap4	0.003	0.854	1.945	2.799	1.976	2.061	1.798	2.780	2.818	Lcmt2	0.807
Zfas1	0.006	0.854	3.847	4.701	3.857	3.991	3.694	4.640	4.761	Fam126a	0.807
Spata5l1	0.004	0.852	2.564	3.416	2.565	2.701	2.426	3.433	3.400	Ptger1	0.806
Lrrc58	0.001	0.852	4.168	5.020	4.132	4.263	4.108	4.988	5.052	Extl3	0.805
Ppp1r14b	0.004	0.852	4.269	5.121	4.321	4.348	4.137	5.212	5.030	Ppp1r14b	0.805
4921531C22Rik	0.002	0.852	2.235	3.087	2.320	2.141	2.245	3.023	3.152	Git2	0.805
Git2	0.001	0.851	2.131	2.982	2.081	2.111	2.200	2.914	3.049	Lmf2	0.804
6330403L08Rik	0.004	0.851	2.393	3.244	2.413	2.526	2.241	3.257	3.232	4921531C22Rik	0.804
Extl3	0.006	0.851	4.563	5.414	4.495	4.700	4.494	5.298	5.530	Lrrc58	0.804
Phldb1	0.008	0.850	2.569	3.419	2.547	2.487	2.673	3.261	3.577	Pgm2	0.803
Tmem198b	0.005	0.850	1.224	2.074	1.292	1.201	1.179	1.933	2.215	Tfap4	0.803
Lmf2	0.001	0.850	4.114	4.964	4.095	4.142	4.106	4.894	5.034	Zfas1	0.802
Pgm2	0.002	0.850	4.422	5.272	4.376	4.371	4.519	5.357	5.187	Mtf2	0.801
Ttc39b	0.000	0.849	4.885	5.734	4.834	4.886	4.936	5.722	5.746	Tfdp2	0.801
Esrra	0.000	0.849	3.108	3.957	3.086	3.071	3.168	3.975	3.939	Ttc39b	0.800
Tcn2	0.003	0.847	6.554	7.402	6.464	6.706	6.493	7.397	7.406	Esrra	0.800
Fam149a	0.000	0.847	2.519	3.366	2.538	2.540	2.479	3.347	3.384	Spata5l1	0.800
Rncr4	0.010	0.847	0.153	1.000	0.317	0.199	-0.057	1.022	0.977	Ap1s3	0.799

Ak3	0.000	0.847	5.136	5.982	5.107	5.097	5.203	5.964	6.000	Top2b	0.799
Tet2	0.000	0.846	3.065	3.911	3.100	3.035	3.060	3.887	3.935	Fam149a	0.798
Leng1	0.003	0.846	3.378	4.225	3.283	3.508	3.343	4.263	4.186	Tet2	0.798
Ap1s3	0.001	0.846	2.874	3.720	2.856	2.946	2.819	3.649	3.791	6330403L08Rik	0.798
Snhg1	0.002	0.846	4.100	4.947	4.192	4.047	4.062	4.879	5.015	Tia1	0.798
Apool	0.009	0.846	1.927	2.773	1.985	1.954	1.842	2.601	2.944	Snhg1	0.798
Brd1	0.002	0.846	4.451	5.296	4.355	4.521	4.477	5.232	5.361	Ak3	0.797
Tfdp2	0.003	0.845	3.478	4.323	3.408	3.529	3.497	4.212	4.433	Mospd2	0.797
Top2b	0.001	0.845	3.854	4.699	3.830	3.864	3.867	4.620	4.777	Brd1	0.797
Gm22478	0.001	0.845	3.437	4.281	3.368	3.430	3.512	4.216	4.347	Gm22478	0.796
Abl2	0.000	0.845	3.140	3.985	3.078	3.185	3.158	3.958	4.011	Eci2	0.796
Mospd2	0.005	0.844	3.388	4.232	3.328	3.514	3.321	4.124	4.340	Abl2	0.795
Smox	0.009	0.843	1.527	2.371	1.493	1.728	1.361	2.353	2.389	Mbd6	0.795
Zbtb4	0.000	0.843	4.571	5.414	4.545	4.633	4.535	5.411	5.417	Leng1	0.795
Rnf138	0.001	0.843	2.398	3.241	2.376	2.506	2.314	3.236	3.247	Tcn2	0.794
Eci2	0.004	0.843	3.523	4.365	3.484	3.451	3.633	4.259	4.472	Zbtb4	0.793
Tmem41a	0.002	0.843	3.890	4.732	3.894	4.005	3.769	4.747	4.718	Sgpp1	0.793
Pcdhga9	0.004	0.842	0.204	1.047	0.200	0.321	0.092	0.972	1.121	Asxl1	0.792
Ncoa1	0.004	0.842	4.537	5.378	4.495	4.690	4.426	5.331	5.426	Pcdhga9	0.791
Actg1	0.001	0.842	7.444	8.285	7.508	7.348	7.476	8.247	8.324	Rnf138	0.791
Sgpp1	0.003	0.841	5.261	6.102	5.237	5.194	5.353	6.016	6.189	Actg1	0.791
Tia1	0.004	0.841	3.418	4.258	3.474	3.381	3.398	4.125	4.392	Prdm10	0.790
Mbd6	0.005	0.841	5.938	6.778	5.972	6.000	5.841	6.656	6.901	Tmem41a	0.789
Ino80b	0.002	0.840	3.748	4.589	3.836	3.784	3.625	4.548	4.630	Kdm6a	0.788
Mtf2	0.007	0.840	3.183	4.023	3.128	3.225	3.198	3.859	4.188	Rncr4	0.788
Agpat3	0.001	0.838	5.456	6.294	5.393	5.552	5.423	6.307	6.282	Ino80b	0.788
Sirt1	0.001	0.838	3.213	4.051	3.288	3.150	3.200	4.041	4.060	Ncoa1	0.788
Rasa1	0.004	0.837	4.275	5.112	4.203	4.408	4.213	5.027	5.196	P3h4	0.787
Cldn8	0.009	0.836	7.783	8.619	7.627	7.987	7.736	8.593	8.645	Sirt1	0.786
Szrd1	0.000	0.836	4.913	5.748	4.914	4.898	4.927	5.722	5.774	Agpat3	0.786
Prep	0.003	0.835	2.671	3.506	2.646	2.806	2.560	3.526	3.486	Ctbp2	0.786
Asxl1	0.004	0.835	3.460	4.296	3.491	3.457	3.433	4.155	4.436	Rasa1	0.785
P3h4	0.004	0.835	4.285	5.120	4.232	4.381	4.241	5.015	5.225	Wasf2	0.785
Prdm10	0.005	0.835	2.496	3.331	2.574	2.443	2.471	3.462	3.201	Szrd1	0.785
Creb3l1	0.000	0.835	5.490	6.325	5.514	5.417	5.539	6.348	6.301	Acvr2b	0.785
Sppl3	0.010	0.834	3.340	4.175	3.332	3.503	3.185	4.071	4.278	Smox	0.784
Ccdc157	0.002	0.834	3.819	4.654	3.770	3.922	3.766	4.599	4.708	Creb3l1	0.783
Ctbp2	0.008	0.834	2.530	3.364	2.668	2.437	2.486	3.232	3.496	Slc37a1	0.782
Slc37a1	0.001	0.834	3.897	4.731	3.895	3.963	3.833	4.673	4.789	Tmem63a	0.782
Cep112	0.004	0.834	0.252	1.085	0.354	0.137	0.265	1.163	1.008	Ccdc157	0.782
Plekhg3	0.004	0.833	3.919	4.752	3.835	4.081	3.840	4.757	4.747	Cep112	0.781
Slc22a15	0.001	0.832	1.702	2.535	1.754	1.604	1.750	2.555	2.514	Sppl3	0.781
Ppp4r1	0.001	0.832	3.631	4.463	3.582	3.736	3.576	4.469	4.458	Prep	0.780
Acvr2b	0.002	0.832	2.369	3.202	2.363	2.406	2.338	3.099	3.304	Neurod1	0.780
Tmem63a	0.002	0.832	5.462	6.294	5.439	5.528	5.420	6.204	6.384	Tmem51	0.779
Mex3c	0.002	0.831	4.032	4.863	4.036	4.128	3.931	4.834	4.892	Slc22a15	0.779
Kdm6a	0.005	0.831	3.726	4.557	3.689	3.766	3.722	4.706	4.408	Prpf4	0.778
Gm46620	0.001	0.831	4.211	5.042	4.249	4.250	4.133	5.024	5.059	Ppp4r1	0.778
Tada2b	0.004	0.830	4.247	5.077	4.196	4.404	4.141	5.064	5.091	Gm46620	0.777
Wasf2	0.004	0.830	4.134	4.964	4.110	4.167	4.125	4.832	5.096	Cep70	0.777
Tmem51	0.001	0.830	4.405	5.235	4.368	4.461	4.386	5.158	5.312	Mex3c	0.777
Zfx	0.004	0.830	3.140	3.970	3.033	3.108	3.279	3.920	4.019	Ssh1	0.777
Prpf4	0.001	0.829	3.881	4.710	3.867	3.927	3.850	4.636	4.785	Smndc1	0.777
Neurod1	0.003	0.828	7.393	8.220	7.446	7.372	7.360	8.107	8.334	Plekhg3	0.776
Slain1	0.000	0.827	3.824	4.651	3.813	3.860	3.798	4.671	4.632	Cldn8	0.775
Acad8	0.000	0.827	4.179	5.007	4.239	4.130	4.169	5.021	4.992	Kmt5b	0.775
Abhd13	0.001	0.827	4.312	5.139	4.275	4.360	4.301	5.086	5.192	Ln timer	0.775
Ssh1	0.003	0.827	3.122	3.949	3.068	3.197	3.102	3.852	4.046	Prkcd	0.775
Mbtd1	0.004	0.827	2.031	2.858	1.921	2.142	2.030	2.773	2.943	Abhd13	0.775
Slc40a1	0.003	0.826	4.884	5.710	4.835	5.015	4.803	5.647	5.773	Slain1	0.774
Tnrc6a	0.002	0.826	4.579	5.405	4.552	4.697	4.490	5.369	5.441	Zfx	0.774
Pla2g2f	0.001	0.825	7.459	8.285	7.401	7.537	7.440	8.334	8.235	Mbtd1	0.773
Smndc1	0.004	0.825	4.860	5.686	4.789	4.872	4.920	5.804	5.567	Acad8	0.773
Cep70	0.004	0.825	4.117	4.942	4.050	4.140	4.160	4.818	5.065	Tada2b	0.773
Mtarc2	0.000	0.825	4.185	5.010	4.148	4.250	4.158	5.042	4.978	Pla2g2f	0.772
Pqlc3	0.009	0.825	1.026	1.850	0.942	1.233	0.902	1.854	1.847	Tsc22d2	0.772

Tsc22d2	0.002	0.824	2.936	3.759	2.878	3.012	2.917	3.842	3.677	Mtarc2	0.771
Prkcd	0.002	0.824	3.011	3.834	2.983	3.020	3.029	3.725	3.944	Slc40a1	0.770
Ln timer	0.003	0.823	3.021	3.844	2.999	3.019	3.044	3.726	3.961	Parp4	0.770
Adss	0.002	0.823	3.843	4.666	3.865	3.928	3.735	4.642	4.689	Tnrc6a	0.770
Parp4	0.002	0.822	3.474	4.296	3.438	3.527	3.458	4.207	4.385	Spint1	0.767
Kmt5b	0.005	0.821	3.564	4.385	3.569	3.597	3.527	4.238	4.532	Adss	0.766
Dnai2	0.002	0.820	0.881	1.701	0.983	0.774	0.886	1.655	1.747	Rpl34	0.765
Dsg2	0.003	0.819	3.653	4.472	3.585	3.793	3.581	4.450	4.494	Dyrk2	0.764
Nfatc2	0.004	0.819	2.322	3.141	2.424	2.202	2.341	3.074	3.209	Ptbp2	0.764
Spint1	0.004	0.819	7.057	7.876	7.021	7.157	6.994	7.768	7.984	Dnai2	0.763
Ano9	0.000	0.818	1.311	2.129	1.260	1.301	1.373	2.138	2.121	Fchsd2	0.763
Lifr	0.001	0.818	4.803	5.621	4.718	4.884	4.808	5.594	5.649	Nfatc2	0.762
Ptbp2	0.002	0.817	3.108	3.926	3.120	3.051	3.155	3.837	4.014	Ano9	0.762
Rpl34	0.002	0.817	5.045	5.862	5.020	5.108	5.007	5.767	5.957	Map7d1	0.762
Cchcr1	0.001	0.817	1.570	2.387	1.653	1.475	1.583	2.360	2.414	Pqlc3	0.762
Frmd8	0.000	0.817	1.658	2.474	1.666	1.714	1.592	2.476	2.472	Zranb1	0.761
Map7d1	0.005	0.816	5.678	6.494	5.723	5.752	5.557	6.596	6.392	Lifr	0.761
Zranb1	0.001	0.816	5.255	6.071	5.283	5.192	5.289	6.011	6.131	Dsg2	0.761
Dyrk2	0.003	0.816	4.817	5.633	4.761	4.832	4.858	5.525	5.741	Ocln	0.760
Arid1b	0.006	0.816	3.487	4.303	3.390	3.633	3.438	4.219	4.387	Frmd8	0.760
Enah	0.003	0.816	3.426	4.241	3.331	3.531	3.415	4.180	4.303	Cchcr1	0.759
Tmem170b	0.001	0.814	3.212	4.026	3.167	3.176	3.292	3.991	4.061	Enah	0.759
Dnph1	0.004	0.814	1.881	2.695	1.820	1.802	2.022	2.637	2.754	Arid1b	0.758
Adam15	0.000	0.814	1.800	2.614	1.857	1.805	1.738	2.622	2.605	Gpcpd1	0.758
Gpcpd1	0.004	0.813	3.847	4.660	3.946	3.761	3.833	4.562	4.758	Tmem170b	0.758
Ocln	0.002	0.813	3.272	4.085	3.291	3.217	3.307	3.981	4.188	Adam15	0.757
Fchsd2	0.007	0.813	2.914	3.727	2.863	2.876	3.004	3.584	3.869	Mcur1	0.756
Lgl2	0.002	0.812	5.625	6.438	5.690	5.656	5.530	6.487	6.389	Gm15265	0.755
Pdpf	0.003	0.811	3.830	4.642	3.792	3.939	3.761	4.565	4.719	Ddb2	0.755
Gm15265	0.007	0.811	2.081	2.893	1.944	2.192	2.108	2.783	3.002	Dnph1	0.755
Clcn3	0.001	0.811	4.320	5.131	4.244	4.414	4.301	5.103	5.158	Lgl2	0.755
Cobl1	0.000	0.811	4.262	5.073	4.227	4.308	4.249	5.037	5.108	Pdpf	0.755
Rab5if	0.000	0.811	2.767	3.578	2.715	2.827	2.758	3.610	3.546	Cobl1	0.755
Mcur1	0.001	0.811	4.157	4.968	4.123	4.189	4.158	4.895	5.041	Prkd2	0.754
Cnppd1	0.005	0.810	4.318	5.128	4.234	4.454	4.266	5.037	5.220	Rab5if	0.754
Tnks	0.002	0.810	4.444	5.254	4.364	4.571	4.397	5.230	5.278	Tmod3	0.754
Ddb2	0.003	0.810	2.127	2.937	2.032	2.168	2.180	2.842	3.031	N4bp2	0.753
Gm30648	0.000	0.810	5.341	6.151	5.290	5.381	5.352	6.110	6.191	Cnppd1	0.753
Asah1	0.002	0.809	7.061	7.870	7.010	7.162	7.009	7.816	7.923	Gm30648	0.753
Pcnx	0.005	0.808	4.042	4.850	3.944	4.212	3.968	4.825	4.875	Clcn3	0.753
Zfp408	0.002	0.808	3.164	3.972	3.118	3.117	3.257	3.903	4.041	Brd3	0.752
Tmod3	0.003	0.807	2.965	3.772	2.938	2.924	3.034	3.663	3.882	Asah1	0.751
Zbtb43	0.000	0.807	3.004	3.811	3.009	2.951	3.051	3.838	3.783	Zfp408	0.751
Kmt5a	0.003	0.807	3.468	4.274	3.396	3.588	3.419	4.222	4.326	Slc27a1	0.750
Ranbp9	0.000	0.806	4.447	5.254	4.400	4.489	4.454	5.293	5.215	Tnks	0.750
Anxa4	0.000	0.806	5.536	6.342	5.576	5.467	5.563	6.368	6.315	Foxp1	0.750
Brd3	0.002	0.806	4.092	4.898	4.070	4.125	4.081	4.799	4.997	Ggct	0.750
Thbs3	0.000	0.806	2.858	3.664	2.842	2.830	2.903	3.641	3.687	Sox12	0.749
Atxn7l1	0.007	0.806	1.532	2.338	1.580	1.640	1.378	2.246	2.430	Zbtb43	0.749
Foxp1	0.001	0.806	2.445	3.250	2.433	2.467	2.434	3.176	3.324	Bnip2	0.749
Prkd2	0.007	0.805	2.639	3.445	2.588	2.733	2.597	3.303	3.587	Ranbp9	0.749
Gm50240	0.000	0.805	2.444	3.249	2.458	2.463	2.411	3.265	3.233	Lypla1	0.748
Lypla1	0.000	0.805	3.467	4.273	3.455	3.476	3.472	4.233	4.313	Slc25a36	0.748
Slc27a1	0.001	0.805	3.516	4.321	3.527	3.505	3.514	4.238	4.404	Thbs3	0.748
N4bp2	0.006	0.804	2.644	3.448	2.670	2.699	2.563	3.307	3.590	Anxa4	0.748
Capn2	0.003	0.804	4.187	4.991	4.062	4.266	4.234	4.943	5.040	Gm50240	0.748
Sec24a	0.002	0.804	3.564	4.368	3.509	3.649	3.535	4.454	4.283	Sec24a	0.747
Crmp1	0.004	0.804	3.354	4.157	3.469	3.316	3.277	4.069	4.246	Ppp4r1l-ps	0.747
Tesk1	0.001	0.803	3.759	4.562	3.720	3.728	3.830	4.533	4.592	Kmt5a	0.747
Zbtb10	0.000	0.803	2.937	3.739	2.918	2.894	2.997	3.754	3.725	Atxn7l1	0.746
Ggct	0.007	0.803	1.053	1.855	1.147	1.008	1.003	1.991	1.719	Arl5b	0.746
Sox12	0.004	0.802	3.096	3.898	3.152	3.098	3.037	3.773	4.023	Crmp1	0.746
Gdap1l1	0.000	0.801	5.750	6.551	5.694	5.813	5.742	6.575	6.528	Pcnx	0.745
Vegfa	0.000	0.801	8.049	8.850	8.074	8.048	8.025	8.805	8.896	Tesk1	0.744
Bnip2	0.004	0.801	3.678	4.479	3.654	3.659	3.720	4.354	4.604	Capn2	0.744
Dvl1	0.000	0.801	4.845	5.646	4.881	4.783	4.870	5.610	5.682	Zbtb10	0.744

Serhl	0.002	0.801	0.771	1.572	0.833	0.657	0.823	1.609	1.536	Vegfa	0.744
Sbno2	0.005	0.800	2.120	2.921	2.161	2.193	2.006	3.018	2.824	Prkag2os2	0.743
Helb	0.005	0.800	2.240	3.040	2.191	2.126	2.403	3.056	3.025	Phf12	0.743
H2ax	0.002	0.800	4.750	5.550	4.726	4.827	4.698	5.624	5.476	St6galnac5	0.743
Ehhadh	0.004	0.800	6.228	7.028	6.120	6.353	6.211	6.968	7.089	Sbno2	0.743
Ppp4r1l-ps	0.004	0.800	4.424	5.225	4.482	4.391	4.400	5.101	5.348	H2ax	0.742
Prkag2os2	0.002	0.800	0.512	1.312	0.553	0.535	0.447	1.396	1.227	Dvl1	0.742
Ssh2	0.008	0.800	1.839	2.639	1.648	1.967	1.903	2.609	2.670	Prr12	0.742
Prr12	0.006	0.800	4.266	5.066	4.233	4.392	4.173	4.958	5.174	Fam160a2	0.742
Ube2i	0.004	0.799	4.326	5.125	4.381	4.385	4.212	5.033	5.218	Gdap1l1	0.742
St6galnac5	0.002	0.799	2.803	3.602	2.850	2.812	2.748	3.502	3.702	Ube2i	0.741
Phf12	0.003	0.798	4.763	5.561	4.797	4.775	4.716	5.453	5.669	Serhl	0.740
Zfp691	0.002	0.798	3.037	3.835	3.004	2.987	3.119	3.903	3.767	Orai1	0.740
Zfp597	0.001	0.798	3.002	3.799	2.956	2.997	3.052	3.734	3.865	Zfp597	0.740
Cenps	0.008	0.797	2.014	2.811	1.871	2.060	2.111	2.927	2.696	A930004J17Rik	0.739
A930004J17Rik	0.002	0.797	2.396	3.193	2.448	2.422	2.318	3.110	3.277	Zfp691	0.739
Chd1	0.002	0.797	3.372	4.169	3.265	3.459	3.392	4.209	4.129	Six5	0.739
Xpo6	0.002	0.797	3.452	4.249	3.418	3.534	3.404	4.184	4.315	Ehhadh	0.739
Arl5b	0.006	0.797	2.495	3.292	2.448	2.525	2.511	3.442	3.141	Cenps	0.739
Six5	0.007	0.797	4.751	5.548	4.723	4.875	4.656	5.434	5.663	2810021J22Rik	0.738
Dusp1	0.007	0.797	8.212	9.008	8.314	8.060	8.261	9.092	8.925	Zbtb8a	0.738
Dlg5	0.002	0.796	3.880	4.676	3.850	3.989	3.800	4.644	4.708	Xpo6	0.738
5430405H02Rik	0.004	0.796	0.440	1.236	0.309	0.506	0.505	1.169	1.304	Rfxank	0.736
Zbtb8a	0.001	0.796	2.617	3.413	2.595	2.580	2.676	3.492	3.335	Chd1	0.736
Slc25a36	0.009	0.795	4.906	5.701	4.922	4.894	4.903	5.527	5.876	Helb	0.736
2810021J22Rik	0.001	0.795	3.716	4.512	3.693	3.762	3.693	4.427	4.597	Rbm4b	0.735
Proser3	0.000	0.795	1.452	2.247	1.431	1.481	1.444	2.266	2.228	H1f0	0.735
Orai1	0.004	0.795	2.228	3.023	2.292	2.192	2.200	2.898	3.148	Dusp1	0.735
Tceal8	0.002	0.794	5.873	6.667	5.810	5.826	5.983	6.721	6.614	Proser3	0.735
H1f0	0.001	0.794	7.541	8.334	7.518	7.517	7.586	8.266	8.402	5430405H02Rik	0.735
Rbm4b	0.001	0.793	2.396	3.190	2.376	2.439	2.374	3.111	3.268	Dlg5	0.734
Gm15601	0.001	0.793	-0.033	0.760	-0.061	0.054	-0.094	0.762	0.758	Ssh2	0.734
Dvl2	0.004	0.793	2.594	3.387	2.614	2.696	2.472	3.319	3.456	Tceal8	0.732
Mknk1	0.000	0.793	4.496	5.289	4.525	4.513	4.451	5.323	5.255	Mknk1	0.732
Fam160a2	0.008	0.792	3.593	4.385	3.627	3.614	3.536	4.221	4.548	Wnk2	0.731
Rfxank	0.004	0.792	2.171	2.963	2.164	2.232	2.119	2.848	3.079	Gm15601	0.731
Fdx1	0.002	0.792	3.238	4.029	3.280	3.298	3.136	4.095	3.964	Dvl2	0.731
Gcn1	0.002	0.790	3.523	4.314	3.544	3.610	3.416	4.318	4.310	Pkd2	0.731
Tom1l1	0.000	0.790	2.520	3.309	2.546	2.488	2.525	3.282	3.336	Fdx1	0.731
Igsf9b	0.000	0.789	3.003	3.792	3.055	2.969	2.984	3.779	3.806	Tom1l1	0.729
1700109K24Rik	0.004	0.788	1.574	2.362	1.551	1.476	1.695	2.297	2.427	Igsf9b	0.728
Kdm5b	0.006	0.787	3.111	3.898	3.044	3.240	3.050	3.796	4.000	Gcn1	0.727
Cnnm4	0.001	0.787	1.774	2.560	1.780	1.839	1.702	2.528	2.593	Kdm5b	0.726
Ppp1r13l	0.001	0.786	2.018	2.803	2.062	2.003	1.988	2.884	2.723	Ppp1r13l	0.726
Wnk2	0.008	0.786	2.149	2.934	2.070	2.150	2.226	2.786	3.082	1700109K24Rik	0.725
Srrm3	0.004	0.785	2.955	3.741	3.062	2.922	2.883	3.646	3.835	Srrm3	0.724
Pkd2	0.009	0.785	4.580	5.365	4.530	4.677	4.533	5.209	5.520	Aifm3	0.724
Znrf1	0.000	0.784	2.820	3.604	2.812	2.798	2.849	3.619	3.590	Cnnm4	0.724
4931406C07Rik	0.000	0.784	3.068	3.853	3.079	3.061	3.065	3.796	3.909	4931406C07Rik	0.724
Hipk1	0.007	0.784	4.198	4.982	4.106	4.355	4.133	4.898	5.067	Fus	0.723
Fbxo30	0.000	0.784	3.725	4.509	3.748	3.693	3.732	4.476	4.541	Znrf1	0.722
Fus	0.002	0.783	4.937	5.720	5.003	4.887	4.922	5.628	5.813	Fbxo30	0.722
Arhgdig	0.002	0.782	3.397	4.179	3.429	3.332	3.431	4.101	4.258	Noc2l	0.722
Ammecr1l	0.002	0.781	2.969	3.750	3.049	2.941	2.918	3.689	3.812	Zkscan17	0.722
Aifm3	0.004	0.781	1.619	2.400	1.633	1.582	1.643	2.275	2.525	Arhgdig	0.722
Itsn2	0.002	0.780	3.624	4.405	3.587	3.737	3.548	4.410	4.400	Strn	0.720
Gm50103	0.005	0.780	1.904	2.684	1.849	2.017	1.847	2.583	2.786	Hipk1	0.720
Sez6l	0.009	0.779	5.272	6.051	5.365	5.330	5.122	5.941	6.162	Gm50103	0.719
Lurap1l	0.001	0.779	5.029	5.808	4.972	5.106	5.008	5.832	5.784	Ammecr1l	0.719
Noc2l	0.004	0.779	4.350	5.128	4.314	4.374	4.361	5.253	5.003	Sez6l	0.716
Zkscan17	0.006	0.778	3.323	4.101	3.369	3.334	3.265	3.965	4.236	Serinc3	0.716
Galnt7	0.002	0.778	3.529	4.307	3.444	3.579	3.565	4.232	4.382	Cbx3	0.716
Ccdc50	0.001	0.777	3.959	4.737	3.887	4.002	3.989	4.699	4.774	Galnt7	0.715
Nr1h2	0.003	0.777	4.953	5.730	5.048	4.885	4.926	5.657	5.804	Itsn2	0.715
Ezr	0.005	0.777	6.471	7.249	6.377	6.602	6.435	7.319	7.178	Lurap1l	0.715
Serinc3	0.001	0.777	7.134	7.911	7.100	7.130	7.171	7.831	7.991	Nr1h2	0.714

Gys1	0.001	0.777	2.884	3.661	2.887	2.935	2.829	3.600	3.721	Gys1	0.714
Tent5c	0.001	0.776	5.401	6.177	5.364	5.484	5.357	6.119	6.235	Ccdc50	0.714
Nt5dc1	0.000	0.776	3.057	3.833	3.052	3.095	3.024	3.797	3.868	Lcor	0.713
Strn	0.009	0.775	3.398	4.172	3.365	3.461	3.367	4.013	4.332	Lyn	0.712
Lcor	0.002	0.774	3.262	4.037	3.262	3.217	3.308	3.952	4.122	Ezr	0.712
Cbx3	0.007	0.773	2.350	3.123	2.371	2.396	2.282	2.982	3.264	Nt5dc1	0.712
Whamm	0.000	0.773	4.528	5.301	4.538	4.476	4.569	5.340	5.261	Tent5c	0.712
Gm12183	0.002	0.771	-0.050	0.721	-0.118	0.000	-0.033	0.631	0.811	Foxp4	0.711
Foxp4	0.004	0.771	5.355	6.126	5.373	5.397	5.296	6.010	6.242	Abhd17c	0.710
Bsn	0.004	0.771	3.633	4.404	3.581	3.760	3.557	4.330	4.477	Gm12183	0.709
Ech1	0.002	0.771	5.268	6.039	5.360	5.268	5.176	6.015	6.062	Whamm	0.709
Plekhn2	0.000	0.771	3.760	4.531	3.755	3.770	3.756	4.586	4.476	Gm47976	0.709
Lyn	0.007	0.771	1.340	2.110	1.311	1.290	1.418	2.247	1.973	Plekhn2	0.707
Xpot	0.002	0.770	5.078	5.848	4.994	5.178	5.061	5.879	5.818	Suds3	0.706
Gm37893	0.007	0.769	1.924	2.694	2.044	1.911	1.818	2.582	2.806	Gm37893	0.706
Abraxas1	0.002	0.769	1.737	2.506	1.779	1.800	1.630	2.470	2.542	Bsn	0.705
Abhd17c	0.003	0.769	4.312	5.081	4.284	4.318	4.335	5.198	4.965	Unc93b1	0.705
Unc93b1	0.001	0.769	3.724	4.493	3.750	3.672	3.751	4.435	4.551	Nfat5	0.704
Gm47976	0.007	0.769	2.062	2.831	2.002	2.028	2.155	2.958	2.703	Ech1	0.704
St6galnac4	0.001	0.769	2.445	3.214	2.422	2.515	2.398	3.158	3.269	St6galnac4	0.704
Polk	0.001	0.768	2.034	2.802	2.046	1.963	2.092	2.828	2.776	Xpot	0.704
Suds3	0.004	0.768	3.892	4.660	3.907	3.816	3.952	4.550	4.769	Abraxas1	0.703
Nfat5	0.003	0.768	4.899	5.667	4.827	4.963	4.907	5.580	5.755	Polk	0.702
Rp2	0.002	0.768	4.306	5.074	4.217	4.300	4.401	5.045	5.103	Rp2	0.700
Rexo1	0.002	0.766	3.634	4.401	3.713	3.663	3.527	4.356	4.445	Gm31992	0.700
Stard10	0.001	0.766	6.661	7.427	6.653	6.730	6.602	7.451	7.403	Stard10	0.699
Mfsd14a	0.003	0.765	3.840	4.606	3.781	3.968	3.773	4.604	4.607	Slc41a1	0.699
Qsox2	0.001	0.764	5.418	6.182	5.356	5.467	5.431	6.128	6.237	Rexo1	0.699
Polr3gl	0.002	0.763	4.840	5.604	4.821	4.917	4.783	5.535	5.672	Qsox2	0.699
Cdk13	0.003	0.763	3.336	4.099	3.221	3.382	3.406	4.045	4.154	Lmbr1l	0.699
Lmbr1l	0.002	0.763	2.921	3.684	2.869	2.903	2.992	3.599	3.769	Tsc22d4	0.698
Gm31992	0.008	0.762	2.583	3.346	2.468	2.656	2.626	3.219	3.472	Polr3gl	0.698
Tmcc1	0.000	0.762	0.984	1.746	0.969	1.003	0.979	1.780	1.713	Tmcc1	0.697
Tnks1bp1	0.002	0.762	3.341	4.103	3.387	3.403	3.233	4.068	4.138	Glis2	0.697
Ski	0.007	0.762	4.605	5.367	4.555	4.770	4.491	5.311	5.424	Mfsd14a	0.697
Tsc22d4	0.001	0.762	3.390	4.152	3.415	3.405	3.351	4.071	4.234	Bphl	0.696
Glis2	0.002	0.762	4.117	4.879	4.071	4.181	4.101	4.806	4.952	Cdk13	0.696
Rbm15	0.000	0.761	3.023	3.784	3.028	2.967	3.074	3.773	3.795	Abhd15	0.695
Bphl	0.002	0.761	4.051	4.811	4.103	4.044	4.005	4.731	4.892	Zfp760	0.694
Calb1	0.009	0.761	1.873	2.634	1.755	1.802	2.063	2.664	2.604	Rbm15	0.694
Itgav	0.009	0.760	5.343	6.104	5.238	5.535	5.257	6.094	6.113	Plekhh1	0.694
Plekhh1	0.001	0.760	3.193	3.952	3.178	3.229	3.170	4.011	3.894	Tnks1bp1	0.694
Cdc34	0.000	0.759	5.498	6.257	5.468	5.528	5.498	6.309	6.205	Pou2f1	0.694
Slc36a1	0.001	0.759	5.018	5.777	4.937	5.068	5.048	5.721	5.832	Cdc34	0.693
Abhd15	0.003	0.758	3.549	4.307	3.522	3.531	3.594	4.202	4.411	Slc36a1	0.692
Trak1	0.003	0.757	3.959	4.716	3.908	4.066	3.902	4.787	4.644	Trps1	0.692
Slc41a1	0.008	0.757	3.075	3.832	3.110	3.072	3.044	3.679	3.986	Ski	0.691
Engase	0.000	0.757	1.754	2.511	1.731	1.727	1.804	2.510	2.512	Cpt2	0.690
Trps1	0.004	0.757	1.531	2.288	1.446	1.538	1.610	2.191	2.386	Trak1	0.690
Cpt2	0.004	0.756	5.411	6.168	5.406	5.508	5.320	6.079	6.256	Engase	0.689
Zfp760	0.004	0.756	2.232	2.988	2.214	2.223	2.260	2.864	3.112	Rras2	0.688
Camk2d	0.001	0.756	0.978	1.733	0.999	1.049	0.885	1.719	1.747	Stk40	0.688
Rras2	0.001	0.755	3.052	3.807	3.012	3.029	3.115	3.761	3.854	Cacna1c	0.687
Stk40	0.008	0.755	4.449	5.204	4.393	4.590	4.366	5.310	5.098	Calb1	0.687
Ccser2	0.003	0.753	3.611	4.364	3.504	3.697	3.631	4.316	4.411	Itgav	0.686
Pou2f1	0.010	0.753	1.938	2.691	1.879	1.924	2.011	2.534	2.847	Camk2d	0.686
Pias4	0.000	0.753	3.800	4.552	3.817	3.813	3.769	4.497	4.608	Pias4	0.686
Tnfrsf11b	0.005	0.753	6.177	6.929	6.067	6.250	6.212	7.018	6.841	Tnfrsf11b	0.685
Mib1	0.000	0.752	5.446	6.199	5.391	5.493	5.454	6.188	6.210	Ptpn21	0.684
Ptpn21	0.000	0.752	3.737	4.489	3.712	3.779	3.719	4.460	4.517	Mib1	0.684
Lsr	0.000	0.752	4.323	5.075	4.376	4.293	4.299	5.057	5.092	Ccser2	0.684
Cacna1c	0.005	0.751	2.977	3.729	2.936	3.063	2.933	3.844	3.613	Lsr	0.684
Card6	0.002	0.751	2.862	3.613	2.746	2.909	2.931	3.595	3.632	Ssh3	0.683
Elk3	0.004	0.751	4.117	4.868	4.007	4.096	4.248	4.855	4.881	Magi3	0.681
Pde4a	0.004	0.751	0.702	1.452	0.653	0.616	0.836	1.423	1.482	Card6	0.681
Magi3	0.001	0.749	0.816	1.565	0.765	0.817	0.865	1.512	1.619	Tasor	0.681



Plekhh3	0.003	0.749	3.711	4.460	3.804	3.657	3.671	4.528	4.391	Plekhh3	0.680
Ssh3	0.001	0.749	3.762	4.510	3.775	3.750	3.759	4.425	4.595	Fubp3	0.680
Fubp3	0.000	0.748	4.308	5.056	4.338	4.283	4.303	5.093	5.020	Dusp16	0.680
Syt1l	0.004	0.748	6.139	6.887	6.250	6.002	6.163	6.879	6.894	Elk3	0.679
Polr2a	0.001	0.748	6.106	6.854	6.044	6.167	6.107	6.836	6.871	Sh3bp5	0.679
Vasp	0.001	0.747	4.738	5.485	4.754	4.795	4.665	5.449	5.521	Pde4a	0.679
Tasor	0.004	0.747	3.083	3.830	3.044	3.171	3.033	3.728	3.931	Polr2a	0.678
Ppfibp1	0.000	0.747	4.419	5.166	4.363	4.460	4.435	5.149	5.183	Vasp	0.678
Gm38253	0.004	0.746	1.314	2.061	1.430	1.308	1.205	2.021	2.101	Ppfibp1	0.678
Pan3	0.002	0.746	3.144	3.890	3.076	3.262	3.093	3.882	3.898	Usp27x	0.677
Gipc1	0.001	0.746	4.747	5.493	4.721	4.843	4.678	5.517	5.470	Gpsm1	0.677
Usp27x	0.009	0.746	1.238	1.984	1.288	1.334	1.093	1.876	2.092	Zdhhc8	0.676
Tmem170	0.001	0.744	4.095	4.839	4.048	4.187	4.050	4.846	4.832	Syt1l	0.676
Zdhhc8	0.006	0.744	5.135	5.879	5.155	5.224	5.027	5.775	5.984	Gipc1	0.675
Dusp16	0.005	0.743	3.134	3.877	3.108	3.115	3.179	3.753	4.002	Gm38253	0.675
Cnnm3	0.007	0.743	3.318	4.061	3.294	3.456	3.203	3.984	4.138	Gsto1	0.675
Sh3bp5	0.008	0.743	2.093	2.836	2.111	2.006	2.163	2.703	2.969	Pan3	0.675
Dennd11	0.004	0.743	4.738	5.480	4.640	4.813	4.762	5.560	5.401	Dennd11	0.674
Gpsm1	0.006	0.742	5.692	6.433	5.772	5.646	5.657	6.559	6.308	Tmem170	0.673
Gm43681	0.006	0.742	1.055	1.796	0.911	1.164	1.090	1.861	1.732	Cnnm3	0.672
Faap100	0.007	0.742	2.895	3.637	3.040	2.874	2.771	3.566	3.708	Plekhl1	0.672
Usp42	0.007	0.741	2.954	3.695	2.938	2.813	3.112	3.710	3.681	Shmt2	0.669
Gsto1	0.005	0.740	4.042	4.781	3.979	4.051	4.094	4.905	4.658	Gm43681	0.669
Shmt2	0.002	0.739	4.439	5.179	4.384	4.414	4.521	5.235	5.123	Faap100	0.669
Plekhl1	0.005	0.739	4.434	5.173	4.484	4.474	4.344	5.068	5.278	Rgs11	0.669
Rnps1-ps	0.005	0.739	3.711	4.450	3.608	3.822	3.703	4.530	4.369	Mpp2	0.669
Tmbim1	0.000	0.738	2.928	3.667	2.937	2.972	2.876	3.648	3.685	Rnps1-ps	0.668
Klf16	0.000	0.738	3.381	4.119	3.400	3.384	3.359	4.135	4.103	Marveld2	0.668
Marveld2	0.000	0.738	3.392	4.130	3.398	3.375	3.403	4.099	4.161	Klf16	0.668
Zmiz1	0.004	0.738	4.153	4.891	4.126	4.265	4.068	4.827	4.955	Tmbim1	0.668
Rgs11	0.006	0.738	5.216	5.954	5.335	5.152	5.161	5.851	6.056	Pkd1	0.668
Pkd1	0.001	0.738	4.570	5.308	4.555	4.634	4.521	5.250	5.365	Zmiz1	0.667
Cep170b	0.002	0.737	5.936	6.674	5.894	6.039	5.876	6.709	6.638	Morc3	0.666
Ghr	0.006	0.736	5.563	6.299	5.462	5.704	5.523	6.364	6.235	9930017N22Rik	0.666
Ctr9	0.007	0.736	3.871	4.607	3.774	4.042	3.797	4.598	4.617	Usp42	0.666
Mpp2	0.002	0.736	2.984	3.720	3.025	2.972	2.954	3.810	3.629	Cep170b	0.665
Nktr	0.001	0.735	5.097	5.832	5.082	5.058	5.149	5.870	5.793	Nktr	0.664
Stk24	0.000	0.735	4.415	5.150	4.387	4.444	4.413	5.145	5.154	Stk24	0.664
Stk36	0.000	0.734	2.528	3.263	2.535	2.564	2.486	3.228	3.297	Stk36	0.663
Ppfia1	0.001	0.734	3.949	4.682	3.899	4.030	3.916	4.714	4.651	Ghr	0.663
Enho	0.000	0.733	7.195	7.929	7.215	7.220	7.151	7.892	7.966	Enho	0.663
Vwa5a	0.002	0.733	5.150	5.883	5.066	5.222	5.162	5.927	5.840	Usp25	0.662
Chd5	0.001	0.733	2.125	2.858	2.195	2.134	2.046	2.850	2.866	Rgl3	0.662
Rgl3	0.001	0.733	4.403	5.135	4.448	4.418	4.342	5.093	5.178	Ppfia1	0.662
Bahd1	0.003	0.733	4.093	4.826	4.056	4.221	4.004	4.842	4.810	Dnmbp	0.662
Dnmbp	0.001	0.733	2.505	3.237	2.522	2.549	2.443	3.284	3.191	Vwa5a	0.662
Acox1	0.006	0.732	5.801	6.533	5.724	5.952	5.728	6.582	6.485	Mtcl1	0.661
Zfp61	0.007	0.732	3.569	4.301	3.681	3.401	3.625	4.298	4.304	Chd5	0.661
Usp25	0.001	0.732	2.839	3.571	2.794	2.884	2.839	3.644	3.498	Inha	0.661
Slc26a2	0.005	0.732	2.431	3.163	2.315	2.404	2.575	3.192	3.134	Gpatch1	0.660
Sh3d21	0.000	0.732	3.256	3.988	3.220	3.264	3.283	4.001	3.974	Gm15927	0.660
A930005H10Rik	0.005	0.731	1.797	2.528	1.767	1.912	1.711	2.613	2.443	Sh3d21	0.660
Gatad2a	0.001	0.731	4.652	5.383	4.710	4.644	4.602	5.343	5.424	A930005H10Rik	0.660
Inha	0.001	0.731	5.990	6.720	6.036	5.994	5.939	6.654	6.787	Ctr9	0.660
9930017N22Rik	0.006	0.730	0.600	1.330	0.556	0.633	0.609	1.464	1.195	Gatad2a	0.660
Morc3	0.007	0.730	3.915	4.645	3.885	3.910	3.950	4.503	4.787	Eif2ak3	0.660
Arnt	0.000	0.730	4.087	4.817	4.129	4.050	4.083	4.792	4.842	Polr1b	0.659
Zdhhc13	0.005	0.730	4.050	4.779	4.040	4.183	3.927	4.749	4.810	Bahd1	0.659
Cdc42bpb	0.002	0.730	4.448	5.177	4.453	4.530	4.361	5.139	5.216	Arnt	0.658
Rnf44	0.003	0.729	5.201	5.930	5.183	5.297	5.123	5.865	5.996	Acox1	0.657
Eif2ak3	0.001	0.729	4.721	5.450	4.712	4.724	4.728	5.526	5.375	Rnf44	0.657
R3hdm4	0.001	0.729	4.241	4.970	4.314	4.215	4.195	4.940	5.000	Cdc42bpb	0.657
Ppl	0.009	0.728	2.732	3.460	2.667	2.906	2.621	3.404	3.516	R3hdm4	0.656
Gm15927	0.003	0.728	1.709	2.437	1.754	1.688	1.684	2.335	2.539	Slc26a2	0.656
Gpatch1	0.002	0.728	3.506	4.234	3.497	3.523	3.499	4.133	4.335	Sp2	0.655
Sp2	0.002	0.726	3.286	4.012	3.219	3.314	3.325	3.943	4.082	Zfp61	0.655

Agtrap	0.002	0.726	4.527	5.253	4.466	4.637	4.476	5.225	5.280	Zdhhc13	0.654
Yod1	0.001	0.725	2.613	3.339	2.590	2.577	2.673	3.390	3.288	Ddx21	0.654
Mtcl1	0.009	0.725	4.647	5.372	4.680	4.678	4.582	5.222	5.521	Cdc42bpg	0.654
Ahcy	0.001	0.724	2.329	3.053	2.407	2.276	2.305	3.025	3.082	Yod1	0.654
Trio	0.005	0.724	3.451	4.175	3.320	3.532	3.501	4.243	4.107	Src	0.653
Cdc42bpg	0.003	0.723	5.282	6.005	5.291	5.329	5.225	5.913	6.097	Agtrap	0.652
Kdm5c	0.000	0.723	5.384	6.107	5.351	5.421	5.381	6.122	6.092	Ppl	0.652
Polr1b	0.009	0.723	2.650	3.373	2.598	2.689	2.664	3.528	3.218	Ahcy	0.651
Ddx21	0.002	0.723	4.492	5.215	4.489	4.495	4.493	5.314	5.116	Kdm5c	0.650
Bhlhe41	0.010	0.722	3.741	4.464	3.749	3.885	3.590	4.395	4.532	Trio	0.650
Src	0.004	0.722	4.719	5.441	4.691	4.783	4.681	5.333	5.548	Usp36	0.649
Rfx2	0.000	0.722	2.416	3.138	2.373	2.431	2.446	3.132	3.144	Rtl5	0.649
CAAA01118383.1	0.002	0.721	4.143	4.864	4.232	4.136	4.061	4.878	4.850	Rfx2	0.649
Rtl5	0.001	0.721	5.134	5.855	5.140	5.165	5.098	5.797	5.913	Prpf39	0.648
Ifnar1	0.001	0.720	3.810	4.530	3.819	3.874	3.736	4.535	4.524	Tbc1d24	0.647
Prpf39	0.000	0.720	3.771	4.491	3.780	3.783	3.750	4.436	4.545	Mtmr10	0.647
Tbc1d24	0.004	0.719	3.311	4.030	3.251	3.396	3.287	3.941	4.119	Mafk	0.647
Gng5	0.004	0.718	4.469	5.187	4.499	4.563	4.345	5.234	5.139	CAAA01118383.	0.646
Mafk	0.002	0.718	4.367	5.085	4.411	4.320	4.369	5.161	5.009	Ifnar1	0.646
Ifrd2	0.001	0.717	3.314	4.031	3.379	3.252	3.310	4.067	3.995	Bhlhe41	0.646
Usp36	0.007	0.717	4.087	4.805	4.151	4.087	4.025	4.932	4.677	Nol3	0.646
Aldh6a1	0.001	0.717	3.437	4.154	3.480	3.453	3.377	4.106	4.201	Vps37a	0.646
Vps37a	0.001	0.717	5.842	6.559	5.842	5.876	5.806	6.485	6.632	Aldh6a1	0.644
Nol3	0.002	0.716	3.070	3.787	3.043	3.086	3.082	3.699	3.874	Ldlrad4	0.644
Ripor1	0.001	0.716	4.400	5.116	4.469	4.360	4.371	5.100	5.132	Ifrd2	0.643
Apba3	0.000	0.715	3.762	4.477	3.800	3.746	3.740	4.511	4.443	Gng5	0.643
Fam122a	0.000	0.715	6.715	7.430	6.725	6.758	6.662	7.456	7.404	Apba3	0.642
Chd1l	0.000	0.715	3.189	3.904	3.161	3.226	3.178	3.921	3.886	Ripor1	0.641
Mtmr10	0.006	0.715	3.545	4.260	3.485	3.546	3.604	4.133	4.387	Chd1l	0.641
Ldlrad4	0.004	0.715	1.979	2.694	1.928	1.950	2.060	2.790	2.599	Fam122a	0.641
Gabpb1	0.006	0.715	2.378	3.093	2.415	2.478	2.241	3.030	3.156	Tnfaip1	0.640
Gm12592	0.005	0.714	-0.253	0.462	-0.116	-0.337	-0.305	0.404	0.519	Gabpb1	0.639
Tnfaip1	0.001	0.712	4.903	5.616	4.877	4.924	4.909	5.682	5.550	Nkx2-2	0.639
Upf1	0.000	0.712	4.864	5.576	4.847	4.859	4.886	5.599	5.553	Upf1	0.638
Gm6598	0.007	0.712	0.457	1.169	0.333	0.424	0.614	1.182	1.156	Gm12592	0.638
Nkx2-2	0.003	0.710	6.766	7.477	6.787	6.818	6.694	7.385	7.568	Gm13031	0.636
Rassf7	0.003	0.709	3.860	4.569	3.952	3.828	3.801	4.639	4.499	Rassf7	0.635
Gm13031	0.003	0.708	1.600	2.309	1.648	1.615	1.539	2.403	2.214	Btbd1	0.634
Btbd1	0.003	0.708	4.150	4.858	4.063	4.185	4.202	4.784	4.931	Gm6598	0.633
Pkn1	0.002	0.707	3.395	4.102	3.375	3.468	3.343	4.033	4.171	Pkn1	0.633
Nrm	0.001	-0.710	1.998	1.288	2.024	1.949	2.022	1.336	1.240	Nrm	-0.389
Pfkm	0.002	-0.715	5.791	5.076	5.741	5.809	5.824	5.001	5.151	Pfkm	-0.390
Gm4366	0.008	-0.722	4.474	3.752	4.332	4.624	4.467	3.796	3.708	Gm4366	-0.396
Rsph3a	0.006	-0.730	2.790	2.060	2.821	2.902	2.648	2.123	1.998	Rsph3a	-0.398
Cerk	0.007	-0.737	6.071	5.334	5.980	6.232	6.000	5.384	5.283	Cerk	-0.402
Camkk1	0.007	-0.741	2.546	1.805	2.653	2.387	2.597	1.861	1.749	Camkk1	-0.403
Dnm3	0.001	-0.742	2.404	1.661	2.316	2.488	2.407	1.667	1.656	Dnm3	-0.403
Gm11868	0.008	-0.743	2.684	1.941	2.555	2.668	2.828	1.863	2.019	Gm11868	-0.403
Hspa8	0.002	-0.749	8.867	8.119	8.801	8.896	8.905	8.037	8.201	Hspa8	-0.404
Chst11	0.006	-0.750	6.667	5.917	6.567	6.763	6.672	6.025	5.809	Chst11	-0.405
Maob	0.004	-0.753	7.973	7.220	7.965	8.091	7.865	7.273	7.167	Tm6sf2	-0.406
Tm6sf2	0.004	-0.755	2.052	1.297	2.134	2.010	2.011	1.403	1.192	Rab3a	-0.407
Rab3a	0.003	-0.757	7.566	6.809	7.544	7.620	7.535	6.910	6.709	Gspt2	-0.408
Gm29791	0.002	-0.757	1.267	0.510	1.255	1.172	1.374	0.475	0.545	Maob	-0.408
Slc18a1	0.001	-0.757	3.973	3.216	3.923	4.006	3.991	3.262	3.171	Slc18a1	-0.408
Trim37	0.003	-0.759	5.119	4.360	5.107	5.218	5.031	4.414	4.306	Nap1l3	-0.409
Gspt2	0.003	-0.759	3.946	3.186	3.946	3.912	3.980	3.074	3.299	Gm29791	-0.409
Btbd8	0.001	-0.760	3.100	2.340	3.119	3.023	3.158	2.292	2.387	Trim37	-0.409
Nefh	0.000	-0.762	5.019	4.257	5.027	4.968	5.061	4.248	4.266	Btbd8	-0.410
Pdzk1ip1	0.001	-0.763	5.131	4.368	5.078	5.152	5.163	4.315	4.421	Pcdhga11	-0.410
Nap1l3	0.010	-0.768	3.263	2.496	3.203	3.291	3.296	2.328	2.663	Nefh	-0.410
Pcdhga11	0.010	-0.770	1.631	0.862	1.578	1.633	1.684	1.029	0.694	Pdzk1ip1	-0.411
Gm27000	0.000	-0.773	1.169	0.396	1.197	1.134	1.177	0.408	0.385	Gm27000	-0.415
Akr1b3	0.001	-0.776	3.850	3.074	3.838	3.901	3.812	3.121	3.027	Akr1b3	-0.416
Smim20	0.002	-0.784	4.865	4.081	4.966	4.856	4.772	4.060	4.102	Hmgn2	-0.419
Hsp90aa1	0.000	-0.790	8.326	7.536	8.256	8.339	8.382	7.541	7.531	Smim20	-0.420

Hmgn2	0.007	-0.791	6.327	5.537	6.326	6.375	6.280	5.384	5.689	Oat	-0.421
Wdr12	0.001	-0.795	2.993	2.197	2.929	3.009	3.040	2.233	2.161	Hsp90aa1	-0.422
Tnfrsf23	0.005	-0.796	3.787	2.990	3.758	3.656	3.946	3.000	2.981	Wdr12	-0.424
Rtl8b	0.002	-0.796	5.243	4.447	5.345	5.165	5.219	4.394	4.500	Ap2m1	-0.424
Oat	0.007	-0.797	5.811	5.014	5.807	5.773	5.854	5.171	4.858	Rtl8b	-0.425
Ap2m1	0.000	-0.797	6.919	6.122	6.923	6.945	6.890	6.103	6.141	Tnfrsf23	-0.426
Il17re	0.002	-0.801	2.324	1.523	2.236	2.291	2.444	1.489	1.556	Phactr1	-0.427
Phactr1	0.001	-0.804	6.045	5.241	6.011	6.106	6.019	5.317	5.165	Il17re	-0.427
Gm43597	0.002	-0.808	1.425	0.618	1.499	1.297	1.480	0.596	0.640	Gm43597	-0.430
Resp18	0.000	-0.813	10.222	9.409	10.210	10.258	10.199	9.404	9.414	Resp18	-0.431
Dock3	0.003	-0.816	1.247	0.431	1.337	1.184	1.219	0.346	0.516	Dock3	-0.431
Gm44850	0.001	-0.817	8.442	7.624	8.416	8.441	8.468	7.560	7.689	Gm44850	-0.432
Pms1	0.004	-0.818	2.054	1.236	2.015	1.953	2.194	1.175	1.296	Pms1	-0.434
BC037032	0.003	-0.820	0.876	0.056	0.849	0.774	1.005	0.108	0.004	BC037032	-0.434
Cox7b	0.002	-0.822	7.562	6.741	7.541	7.660	7.486	6.796	6.685	Cox7b	-0.434
Mat1a	0.000	-0.831	7.012	6.181	6.978	6.992	7.067	6.202	6.160	Mat1a	-0.438
Cox6a2	0.001	-0.833	9.441	8.609	9.540	9.422	9.362	8.586	8.632	Cox6a2	-0.439
Smim1	0.004	-0.839	4.749	3.910	4.700	4.853	4.693	4.020	3.799	Smim1	-0.440
Atox1	0.002	-0.841	6.297	5.457	6.277	6.291	6.324	5.562	5.352	Atox1	-0.440
Gmpr	0.008	-0.841	6.354	5.512	6.349	6.505	6.207	5.610	5.415	Gmpr	-0.443
Rnft2	0.002	-0.843	2.620	1.778	2.684	2.669	2.508	1.810	1.745	Rnft2	-0.443
Tor4a	0.002	-0.851	4.925	4.075	4.815	5.019	4.941	4.027	4.122	Tor4a	-0.446
Crispld2	0.005	-0.851	5.660	4.809	5.598	5.556	5.826	4.853	4.766	Pard3	-0.447
Xlr3a	0.007	-0.856	3.984	3.128	3.792	4.029	4.130	3.115	3.141	Crispld2	-0.447
Aldh5a1	0.001	-0.857	5.082	4.225	5.039	5.044	5.165	4.212	4.238	Aldh5a1	-0.448
Pard3	0.006	-0.858	4.068	3.211	4.049	4.187	3.970	3.086	3.335	Smc4	-0.449
Smc4	0.007	-0.858	3.934	3.076	3.934	3.786	4.081	3.160	2.992	Xlr3a	-0.450
Zfp459	0.003	-0.865	0.589	-0.276	0.644	0.654	0.468	-0.192	-0.360	Zfp459	-0.451
Ralgps2	0.009	-0.867	2.481	1.615	2.264	2.558	2.623	1.652	1.577	Mkks	-0.453
Fam131a	0.001	-0.874	5.194	4.320	5.241	5.093	5.247	4.298	4.341	Ralgps2	-0.455
Mkks	0.004	-0.874	2.997	2.123	2.940	3.051	3.000	2.251	1.995	Fam131a	-0.455
Spock2	0.007	-0.876	8.783	7.907	8.721	8.971	8.658	7.856	7.959	Slc41a2	-0.457
Slc41a2	0.007	-0.878	4.151	3.273	3.978	4.266	4.208	3.177	3.368	Spock2	-0.457
Rgs17	0.008	-0.881	2.473	1.591	2.377	2.665	2.377	1.499	1.684	Rgs17	-0.458
Cdkn2c	0.000	-0.888	4.260	3.372	4.237	4.274	4.269	3.403	3.340	Cdkn2c	-0.460
Lrrc24	0.004	-0.889	3.978	3.089	3.875	4.091	3.968	3.181	2.998	Lrrc24	-0.460
Cdc7	0.002	-0.892	1.600	0.709	1.611	1.525	1.666	0.809	0.608	Cdc7	-0.460
Nrxn1	0.005	-0.893	2.202	1.309	2.169	2.359	2.077	1.237	1.380	Tspan7	-0.462
Amer2	0.001	-0.893	2.866	1.973	2.947	2.775	2.875	2.008	1.938	Amer2	-0.462
Tspan7	0.000	-0.894	7.134	6.240	7.169	7.080	7.153	6.190	6.290	Scn3b	-0.462
Shisal2b	0.000	-0.897	5.217	4.320	5.158	5.263	5.230	4.279	4.360	Them6	-0.462
Scn3b	0.006	-0.897	2.277	1.380	2.167	2.396	2.268	1.250	1.510	Nrxn1	-0.463
Them6	0.002	-0.898	4.151	3.253	4.169	4.208	4.077	3.352	3.154	Shisal2b	-0.463
Tceal3	0.000	-0.900	4.899	3.999	4.871	4.938	4.889	4.034	3.964	Tceal3	-0.464
Ntrk2	0.003	-0.907	5.557	4.650	5.471	5.682	5.517	4.583	4.717	Ntrk2	-0.467
Mpv17l	0.003	-0.913	2.465	1.552	2.474	2.602	2.317	1.534	1.569	Spc24	-0.467
Spc24	0.009	-0.914	2.178	1.264	2.149	2.073	2.313	1.100	1.428	Ccdc30	-0.468
Apbb1	0.001	-0.918	5.710	4.791	5.677	5.730	5.721	4.863	4.719	Apbb1	-0.470
Ccdc30	0.005	-0.920	1.444	0.524	1.450	1.440	1.441	0.356	0.692	Mpv17l	-0.470
Pkmyt1	0.003	-0.925	2.633	1.708	2.683	2.473	2.744	1.712	1.704	Gdap2	-0.472
Mpst	0.002	-0.927	3.921	2.994	3.820	4.052	3.892	2.979	3.010	Pkmyt1	-0.475
Plcb4	0.002	-0.928	3.703	2.775	3.576	3.824	3.709	2.763	2.788	Mpst	-0.475
Zcchc18	0.000	-0.931	5.690	4.759	5.753	5.657	5.659	4.770	4.748	Plcb4	-0.476
Gdap2	0.008	-0.931	7.238	6.307	7.258	7.149	7.309	6.487	6.127	Zcchc18	-0.476
Gpx1	0.002	-0.943	7.848	6.905	7.806	7.970	7.768	6.982	6.827	Gpr19	-0.478
Gpr19	0.007	-0.945	3.784	2.838	3.746	3.898	3.706	2.680	2.997	Gpx1	-0.480
Mapk10	0.003	-0.949	4.247	3.298	4.192	4.369	4.180	3.382	3.215	Mapk10	-0.482
Gm6206	0.004	-0.950	0.426	-0.525	0.369	0.594	0.314	-0.585	-0.464	Tgfbr3	-0.482
Rtl8c	0.001	-0.951	7.760	6.809	7.772	7.667	7.841	6.842	6.777	Rtl8c	-0.483
Tgfbr3	0.006	-0.952	1.631	0.679	1.598	1.763	1.533	0.547	0.812	Gm6206	-0.484
Kif20a	0.009	-0.955	2.255	1.300	2.244	2.055	2.466	1.252	1.349	Hmga1	-0.485
Hmga1	0.000	-0.959	3.619	2.661	3.607	3.662	3.589	2.634	2.687	Zfp882	-0.486
Zfp882	0.008	-0.962	3.295	2.333	3.206	3.211	3.468	2.194	2.471	Kif20a	-0.487
2310058D17Rik	0.000	-0.964	0.988	0.024	0.964	1.003	0.998	0.005	0.043	2310058D17Rik	-0.488
Prss53	0.001	-0.981	7.643	6.662	7.580	7.757	7.593	6.695	6.629	Prss53	-0.494
Clmp	0.006	-0.982	0.429	-0.553	0.521	0.212	0.553	-0.580	-0.526	Clmp	-0.496

Smc2	0.002	-0.987	2.483	1.497	2.501	2.359	2.590	1.468	1.526	Smc2	-0.496
Gm50039	0.005	-0.993	1.565	0.572	1.742	1.560	1.395	0.537	0.607	Dner	-0.498
Ncam1	0.003	-0.997	3.275	2.277	3.250	3.387	3.186	2.174	2.381	Ncam1	-0.499
Dner	0.005	-0.999	3.486	2.487	3.383	3.613	3.461	2.348	2.625	Gm50039	-0.500
Nup93	0.001	-1.008	5.800	4.792	5.690	5.844	5.865	4.822	4.761	Nup93	-0.503
Plek	0.009	-1.015	1.571	0.556	1.471	1.503	1.740	0.387	0.726	Plek	-0.503
Myrf	0.006	-1.015	1.810	0.795	1.956	1.858	1.617	0.698	0.892	Myrf	-0.507
Zwilch	0.006	-1.016	0.996	-0.020	1.094	0.773	1.122	0.015	-0.055	Arhgef9	-0.507
Gm20208	0.002	-1.022	3.786	2.763	3.842	3.679	3.836	2.667	2.860	Gm20208	-0.507
Gm16701	0.006	-1.025	2.521	1.497	2.299	2.603	2.662	1.524	1.470	Zwilch	-0.508
Nab1	0.001	-1.028	3.704	2.676	3.597	3.771	3.743	2.709	2.643	Nab1	-0.510
Fbxo36	0.007	-1.028	3.186	2.158	3.366	3.180	3.012	2.057	2.259	4632428C04Rik	-0.511
Arhgef9	0.005	-1.029	3.302	2.272	3.266	3.375	3.264	2.106	2.439	Fbxo36	-0.511
4632428C04Rik	0.001	-1.032	3.114	2.083	3.021	3.152	3.171	2.147	2.019	Gm16701	-0.511
Car10	0.000	-1.035	4.322	3.287	4.308	4.369	4.289	3.319	3.255	Car10	-0.512
Bcat1	0.008	-1.038	4.195	3.157	4.106	4.033	4.447	3.185	3.129	Lgi2	-0.513
Lgi2	0.003	-1.041	2.878	1.837	2.810	2.994	2.830	1.715	1.960	Tmem158	-0.514
Tmem158	0.002	-1.044	1.840	0.795	1.772	1.880	1.868	0.669	0.922	St3gal6	-0.516
Lig1	0.004	-1.045	3.265	2.220	3.079	3.307	3.409	2.251	2.189	Bcat1	-0.517
Gpr150	0.003	-1.052	0.517	-0.535	0.515	0.662	0.374	-0.483	-0.587	Lig1	-0.518
Pianp	0.009	-1.052	5.206	4.154	5.129	5.418	5.070	4.296	4.012	Pianp	-0.518
Spin2c	0.002	-1.058	1.111	0.053	1.181	1.039	1.112	-0.054	0.160	Rab9b	-0.518
St3gal6	0.009	-1.058	2.184	1.126	2.059	2.208	2.284	1.328	0.924	Spin2c	-0.519
Rab9b	0.004	-1.065	2.642	1.577	2.653	2.628	2.645	1.396	1.759	Gpr150	-0.519
Syt13	0.007	-1.071	1.490	0.420	1.323	1.710	1.438	0.506	0.333	Map1a	-0.525
Specc1	0.001	-1.073	0.457	-0.615	0.367	0.543	0.463	-0.572	-0.659	Specc1	-0.525
Map1a	0.003	-1.080	1.410	0.330	1.357	1.432	1.441	0.184	0.477	Syt13	-0.526
Cspg5	0.000	-1.085	2.243	1.158	2.248	2.234	2.247	1.117	1.200	Cspg5	-0.528
Mpp3	0.001	-1.093	2.668	1.575	2.700	2.634	2.669	1.697	1.452	Mpp3	-0.530
Ndufs5	0.005	-1.099	5.117	4.018	5.271	5.026	5.053	4.159	3.878	Ndufs5	-0.532
Scnn1g	0.007	-1.107	4.109	3.003	4.067	4.288	3.973	2.855	3.150	Scnn1g	-0.535
Serp2	0.003	-1.112	2.206	1.094	2.221	2.037	2.360	1.146	1.042	Kcnf1	-0.538
Kcnf1	0.004	-1.119	4.598	3.479	4.479	4.667	4.648	3.640	3.318	Serp2	-0.539
Mllt11	0.001	-1.120	4.853	3.734	4.815	4.961	4.785	3.803	3.664	Mllt11	-0.540
Osbpl6	0.004	-1.129	4.034	2.906	3.964	4.162	3.977	2.755	3.056	Me1	-0.540
Me1	0.007	-1.133	4.448	3.315	4.348	4.553	4.442	3.113	3.516	Osbpl6	-0.541
Grem2	0.005	-1.134	6.010	4.876	5.929	6.185	5.915	5.012	4.740	Lpl	-0.543
Lpl	0.004	-1.137	3.841	2.704	3.858	3.935	3.729	2.870	2.538	Grem2	-0.544
Efhc2	0.001	-1.140	2.845	1.705	2.776	2.899	2.860	1.627	1.784	Chrm3	-0.545
4933416I08Rik	0.004	-1.149	4.126	2.977	4.285	3.972	4.122	2.877	3.077	Efhc2	-0.546
Melk	0.007	-1.149	0.991	-0.158	1.071	0.809	1.094	0.014	-0.331	Melk	-0.548
Il17rc	0.004	-1.150	4.206	3.057	4.234	4.055	4.330	3.185	2.929	Il17rc	-0.549
Skida1	0.001	-1.151	1.315	0.164	1.219	1.434	1.291	0.199	0.129	4933416I08Rik	-0.550
Pcdhgc4	0.002	-1.155	1.916	0.761	1.752	2.023	1.973	0.773	0.748	Skida1	-0.550
Chrm3	0.010	-1.156	4.577	3.421	4.491	4.677	4.562	3.173	3.668	Kcnk10	-0.551
Zfp367	0.006	-1.156	3.212	2.056	3.128	3.067	3.442	1.973	2.139	Tspyl3	-0.552
Tspyl3	0.001	-1.157	1.785	0.628	1.872	1.787	1.696	0.585	0.671	Pcdhgc4	-0.552
Shc4	0.002	-1.163	0.888	-0.275	0.848	0.749	1.068	-0.272	-0.278	Zfp367	-0.554
Tdrd6	0.004	-1.170	2.716	1.546	2.513	2.884	2.751	1.524	1.568	Sntg2	-0.554
Kcnk10	0.007	-1.171	1.165	-0.006	1.108	1.191	1.197	-0.232	0.221	Gm47232	-0.554
Sntg2	0.002	-1.172	1.790	0.618	1.792	1.750	1.828	0.765	0.471	Mcm6	-0.555
Gm47232	0.008	-1.178	2.582	1.404	2.478	2.545	2.721	1.615	1.192	Shc4	-0.555
Mcm6	0.007	-1.180	3.694	2.514	3.641	3.619	3.823	2.732	2.296	Tdrd6	-0.558
Fhit	0.001	-1.193	3.729	2.536	3.634	3.753	3.798	2.441	2.631	Fhit	-0.562
Igsf1	0.001	-1.198	5.302	4.103	5.220	5.418	5.267	4.014	4.192	Igsf1	-0.564
Gng4	0.000	-1.206	7.118	5.912	7.127	7.159	7.067	5.997	5.828	Gng4	-0.566
Fah	0.001	-1.209	4.265	3.056	4.214	4.280	4.301	3.165	2.946	Fah	-0.566
Tmem71	0.002	-1.213	3.988	2.775	3.843	3.978	4.144	2.814	2.735	C3	-0.567
C3	0.006	-1.213	3.163	1.950	3.080	3.084	3.326	1.769	2.132	Tmem71	-0.570
Clba1	0.001	-1.219	5.217	3.998	5.306	5.201	5.143	4.056	3.939	Clba1	-0.571
Gm1673	0.000	-1.221	3.973	2.752	4.011	3.991	3.917	2.717	2.787	Gm1673	-0.571
Tubb2b	0.000	-1.221	3.438	2.217	3.435	3.355	3.525	2.247	2.187	Tubb2b	-0.572
Amph	0.002	-1.236	4.625	3.389	4.510	4.751	4.615	3.512	3.266	Cfap20dc	-0.573
Lrrc6	0.001	-1.237	2.291	1.054	2.160	2.382	2.332	1.031	1.077	Amph	-0.575
Cfap20dc	0.004	-1.240	1.808	0.568	1.703	1.825	1.896	0.377	0.760	Erich3	-0.576
Mad2l1	0.004	-1.244	1.115	-0.129	1.026	0.968	1.349	-0.195	-0.064	D130043K22Rik	-0.577

Erich3	0.002	-1.244	4.665	3.421	4.626	4.706	4.663	3.569	3.272	Lrrc6	-0.577
D130043K22Rik	0.002	-1.247	4.003	2.756	3.919	4.067	4.023	2.912	2.600	Mad2l1	-0.580
6330415G19Rik	0.002	-1.261	1.430	0.168	1.410	1.561	1.319	0.267	0.069	Sybu	-0.582
Hells	0.002	-1.268	1.492	0.224	1.370	1.417	1.689	0.205	0.242	6330415G19Rik	-0.583
Meltf	0.001	-1.269	1.482	0.212	1.377	1.542	1.527	0.282	0.143	Ncapg2	-0.583
Sybu	0.005	-1.272	1.701	0.429	1.707	1.600	1.796	0.214	0.644	Meltf	-0.585
Ncapg2	0.006	-1.274	1.918	0.645	1.854	1.830	2.070	0.439	0.850	Hells	-0.587
Atp8a2	0.006	-1.283	1.522	0.238	1.323	1.789	1.452	0.185	0.291	Snrpn	-0.589
Mlf1	0.005	-1.285	1.865	0.581	1.835	1.709	2.051	0.736	0.425	Mlf1	-0.589
Noxred1	0.002	-1.286	1.889	0.603	1.747	2.061	1.859	0.672	0.533	Noxred1	-0.591
Snrpn	0.002	-1.293	5.175	3.882	5.153	5.177	5.194	3.718	4.046	Slc2a6	-0.591
B3galt5	0.002	-1.293	5.435	4.142	5.309	5.587	5.410	4.208	4.077	Neurl1a	-0.592
Slc2a6	0.004	-1.295	3.254	1.959	3.292	3.096	3.374	2.120	1.797	Atp8a2	-0.593
Neurl1a	0.001	-1.296	2.522	1.225	2.597	2.513	2.456	1.096	1.355	B3galt5	-0.593
Myrip	0.001	-1.325	2.256	0.931	2.317	2.178	2.272	1.066	0.797	Myrip	-0.599
5330434G04Rik	0.007	-1.339	3.437	2.098	3.302	3.556	3.452	1.861	2.335	5330434G04Rik	-0.600
Rps7-ps2	0.007	-1.352	1.338	-0.014	1.290	1.301	1.423	-0.270	0.243	Rps7-ps2	-0.602
C8b	0.002	-1.353	3.581	2.228	3.545	3.628	3.572	2.397	2.059	Fibin	-0.605
Mpc1-ps	0.001	-1.356	4.182	2.827	4.046	4.339	4.162	2.847	2.806	Gm10095	-0.606
Chil6	0.008	-1.359	1.602	0.243	1.767	1.275	1.763	0.279	0.206	C8b	-0.606
Fibin	0.008	-1.361	2.536	1.175	2.422	2.668	2.518	0.910	1.441	Mpc1-ps	-0.611
Gm10095	0.009	-1.363	1.422	0.059	1.304	1.569	1.394	-0.206	0.324	Olfm1	-0.612
Olfm1	0.000	-1.367	5.230	3.862	5.151	5.300	5.238	3.788	3.937	Fam169a	-0.612
Hs3st6	0.000	-1.368	5.528	4.160	5.523	5.483	5.577	4.110	4.209	E2f1	-0.612
E2f1	0.001	-1.372	5.309	3.938	5.225	5.366	5.336	4.065	3.810	Hs3st6	-0.612
Fam169a	0.006	-1.388	2.954	1.566	2.931	3.021	2.909	1.310	1.821	Dach2	-0.613
St8sia3	0.005	-1.392	2.313	0.920	2.188	2.351	2.399	0.698	1.143	Chil6	-0.615
Ica1l	0.003	-1.395	5.029	3.633	4.891	5.175	5.021	3.485	3.782	St8sia3	-0.615
Dach2	0.007	-1.396	1.596	0.200	1.542	1.671	1.577	-0.077	0.478	Rtkn2	-0.616
Jag2	0.001	-1.404	5.066	3.661	5.099	5.130	4.969	3.532	3.791	Ica1l	-0.619
Rtkn2	0.007	-1.408	3.996	2.589	3.979	3.974	4.037	2.878	2.300	Jag2	-0.621
Lgmn	0.000	-1.408	6.134	4.726	6.114	6.195	6.093	4.658	4.795	Lgmn	-0.623
AY036118	0.001	-1.414	9.558	8.143	9.607	9.655	9.411	8.180	8.106	AY036118	-0.626
Kif20b	0.008	-1.415	0.885	-0.530	0.988	0.550	1.116	-0.469	-0.591	Epdr1	-0.626
Epdr1	0.000	-1.419	2.540	1.121	2.513	2.580	2.526	1.129	1.113	Gm5069	-0.627
Trpm2	0.001	-1.420	0.902	-0.518	0.800	1.069	0.837	-0.468	-0.567	Trpm2	-0.627
Gm5069	0.003	-1.420	3.554	2.134	3.377	3.566	3.718	2.017	2.251	Kif20b	-0.630
Hcn1	0.001	-1.451	2.464	1.013	2.384	2.585	2.424	1.089	0.937	Hcn1	-0.635
Foxm1	0.006	-1.462	1.326	-0.136	1.492	1.004	1.481	-0.117	-0.155	Dclk2	-0.636
Gp5	0.009	-1.464	1.854	0.390	2.144	1.554	1.865	0.516	0.264	Pabpc5	-0.640
Pabpc5	0.002	-1.474	1.124	-0.350	1.163	0.966	1.243	-0.480	-0.221	Gp5	-0.641
Dclk2	0.004	-1.475	1.179	-0.297	1.256	1.139	1.142	-0.540	-0.054	Foxm1	-0.641
Phactr3	0.000	-1.490	1.361	-0.129	1.332	1.357	1.394	-0.094	-0.165	Phactr3	-0.644
Gm13394	0.003	-1.515	5.301	3.785	5.223	5.288	5.390	3.586	3.985	Gm13394	-0.647
Itih1	0.001	-1.517	3.908	2.391	3.751	4.010	3.963	2.286	2.496	Izumo4	-0.650
Izumo4	0.001	-1.519	4.223	2.704	4.332	4.190	4.147	2.845	2.563	Itih1	-0.651
Slitrk6	0.006	-1.521	5.783	4.262	5.561	6.060	5.728	4.123	4.402	Arrb1	-0.652
Arrb1	0.000	-1.525	1.092	-0.433	1.062	1.084	1.130	-0.502	-0.364	Tagap1	-0.653
Apob	0.001	-1.528	0.668	-0.860	0.596	0.574	0.834	-0.873	-0.846	Slitrk6	-0.653
Tagap1	0.001	-1.529	3.067	1.538	2.979	3.046	3.176	1.426	1.650	Tmem215	-0.654
Tmem215	0.001	-1.530	7.431	5.901	7.371	7.582	7.340	6.001	5.802	Apob	-0.654
Ect2	0.007	-1.539	1.676	0.138	1.837	1.330	1.861	0.190	0.086	Cnrip1	-0.657
Tcf19	0.001	-1.551	3.862	2.311	3.796	3.726	4.062	2.292	2.330	Rnf157	-0.658
Cnrip1	0.002	-1.559	3.306	1.748	3.240	3.359	3.320	1.542	1.953	Ect2	-0.660
Aox1	0.001	-1.561	2.495	0.934	2.373	2.508	2.605	0.815	1.053	Tcf19	-0.660
Pid1	0.000	-1.563	2.685	1.121	2.637	2.790	2.628	1.123	1.119	Aox1	-0.661
Myo3a	0.009	-1.567	3.144	1.577	2.851	3.531	3.049	1.605	1.549	Pid1	-0.662
Rnf157	0.007	-1.567	0.748	-0.819	0.763	0.907	0.575	-1.094	-0.544	Ptprr	-0.665
Actr3b	0.005	-1.581	3.977	2.396	3.781	4.295	3.855	2.467	2.325	St3gal4	-0.667
Gins1	0.008	-1.584	1.095	-0.489	0.934	0.881	1.469	-0.441	-0.538	Mcm5	-0.669
Mcm5	0.002	-1.584	3.383	1.799	3.415	3.163	3.572	1.856	1.742	Myo3a	-0.669
Zbtb7c	0.005	-1.586	1.092	-0.494	1.234	1.268	0.776	-0.559	-0.428	Actr3b	-0.670
St3gal4	0.001	-1.593	2.137	0.544	2.134	2.192	2.084	0.394	0.693	Pygb	-0.670
Myadml2	0.009	-1.594	1.014	-0.580	1.357	1.002	0.683	-0.470	-0.690	Zbtb7c	-0.670
Pygb	0.001	-1.594	4.313	2.719	4.350	4.443	4.147	2.752	2.686	Kcnip3	-0.671
Tmem130	0.004	-1.596	7.123	5.526	6.954	7.434	6.980	5.510	5.543	Ugt2b34	-0.672

Ptpr	0.005	-1.601	3.675	2.075	3.578	3.783	3.665	1.796	2.353	Gins1	-0.672
Kcnp3	0.005	-1.603	1.779	0.176	1.701	2.038	1.598	0.006	0.346	Tmem130	-0.673
Ugt2b34	0.000	-1.612	3.558	1.946	3.538	3.526	3.610	1.833	2.059	Myadml2	-0.674
1700102P08Rik	0.005	-1.619	2.363	0.744	2.064	2.384	2.641	0.808	0.679	Aurkb	-0.677
Cdca5	0.002	-1.623	1.442	-0.182	1.513	1.193	1.619	-0.176	-0.188	Lrch2	-0.677
Rpp25	0.000	-1.637	3.951	2.314	4.029	3.960	3.866	2.323	2.306	Cdca5	-0.678
Lrch2	0.001	-1.639	1.795	0.156	1.779	1.757	1.849	0.310	0.002	Csf2rb	-0.678
Aurkb	0.004	-1.654	1.034	-0.620	1.003	0.980	1.118	-0.355	-0.886	1700102P08Rik	-0.679
Sult4a1	0.006	-1.656	2.680	1.025	2.583	3.041	2.418	1.040	1.009	Rpp25	-0.679
Clstn3	0.003	-1.670	3.233	1.562	3.176	3.355	3.167	1.797	1.328	Clstn3	-0.682
Csf2rb	0.009	-1.674	3.948	2.274	3.958	4.062	3.824	1.922	2.626	n-R5-8s1	-0.687
n-R5-8s1	0.004	-1.682	7.885	6.203	7.703	8.093	7.859	6.400	6.006	Sult4a1	-0.688
Sftpa1	0.002	-1.692	1.046	-0.646	1.114	0.875	1.150	-0.498	-0.794	Sftpa1	-0.690
Sparcl1	0.001	-1.711	4.784	3.072	4.961	4.571	4.819	3.036	3.109	Trim67	-0.696
Gm12976	0.001	-1.723	2.905	1.182	2.811	3.131	2.773	1.128	1.235	Sparcl1	-0.696
Pimreg	0.007	-1.729	1.527	-0.202	1.556	1.228	1.797	-0.009	-0.395	Mt3	-0.697
Trim67	0.002	-1.736	0.999	-0.737	0.976	0.931	1.089	-0.969	-0.506	Gm12976	-0.699
Gm44109	0.009	-1.746	2.534	0.788	2.560	2.176	2.867	0.619	0.957	Pimreg	-0.699
Rad51	0.001	-1.750	1.176	-0.574	1.173	0.994	1.361	-0.551	-0.597	Upp1	-0.700
Clu	0.001	-1.750	7.110	5.361	7.023	7.203	7.105	5.490	5.231	Clu	-0.702
Gm45804	0.006	-1.751	0.472	-1.279	0.190	0.457	0.770	-1.451	-1.108	Rad51	-0.704
Mt3	0.007	-1.763	2.969	1.206	2.998	2.873	3.035	1.559	0.852	Pde8b	-0.705
Pde8b	0.006	-1.782	1.615	-0.168	1.466	1.806	1.571	-0.465	0.129	Gm45804	-0.705
Fam163a	0.001	-1.790	3.726	1.935	3.673	3.706	3.798	1.765	2.106	Gm44109	-0.705
Upp1	0.009	-1.791	4.475	2.684	4.469	4.471	4.485	3.083	2.286	Fam163a	-0.709
Sntg1	0.003	-1.810	2.094	0.285	2.087	2.165	2.030	0.558	0.011	Sntg1	-0.710
Rnu12	0.002	-1.820	0.534	-1.285	0.589	0.321	0.693	-1.113	-1.458	Rnu12	-0.716
Gm44418	0.002	-1.831	2.902	1.071	2.688	2.905	3.113	1.123	1.019	Brca1	-0.720
Arhgap36	0.008	-1.832	4.155	2.323	4.018	4.577	3.872	2.451	2.195	Gm44418	-0.721
Gm3555	0.000	-1.849	1.039	-0.810	0.966	1.131	1.021	-0.861	-0.759	Gm3555	-0.723
Nanos1	0.000	-1.858	1.475	-0.383	1.435	1.541	1.451	-0.388	-0.378	Nanos1	-0.724
Brca1	0.004	-1.858	1.059	-0.799	0.997	0.950	1.230	-1.075	-0.523	Arhgap36	-0.724
1110002E22Rik	0.001	-1.866	0.592	-1.274	0.573	0.481	0.722	-1.381	-1.167	1110002E22Rik	-0.726
Cenpm	0.000	-1.872	2.314	0.442	2.416	2.299	2.226	0.554	0.331	Cenpm	-0.726
Trim9	0.000	-1.880	2.837	0.958	2.865	2.853	2.794	0.881	1.034	Trim9	-0.728
Neil3	0.001	-1.880	0.957	-0.923	1.053	0.723	1.094	-0.888	-0.959	Reep2	-0.728
Hmmr	0.007	-1.881	1.902	0.022	1.880	1.575	2.252	0.210	-0.167	Ipcef1	-0.729
Reep2	0.000	-1.882	4.786	2.904	4.697	4.845	4.815	2.814	2.993	Neil3	-0.730
Ipcef1	0.002	-1.897	1.114	-0.783	1.009	1.115	1.218	-0.568	-0.998	Hmmr	-0.731
Gata6	0.000	-1.908	2.651	0.742	2.695	2.522	2.735	0.841	0.644	Gata6	-0.734
Cenpe	0.005	-1.914	0.720	-1.194	0.841	0.349	0.970	-1.304	-1.084	Nap115	-0.736
Nap115	0.001	-1.919	6.095	4.176	6.136	5.943	6.204	4.078	4.274	Dlgap1	-0.736
Dlgap1	0.005	-1.921	2.735	0.814	2.578	3.054	2.572	1.035	0.593	Nova1	-0.737
Gnal	0.004	-1.933	1.467	-0.466	1.451	1.798	1.150	-0.415	-0.517	Cenpe	-0.738
Ckap2	0.001	-1.949	1.805	-0.144	1.835	1.615	1.964	-0.033	-0.255	Ckap2	-0.742
Nova1	0.004	-1.959	2.102	0.143	2.048	2.176	2.082	-0.175	0.461	Gnal	-0.742
Cpne8	0.001	-1.970	0.746	-1.224	0.804	0.850	0.585	-1.375	-1.073	Cpne8	-0.744
Meox1	0.002	-1.983	3.141	1.158	2.991	2.980	3.450	1.213	1.102	1500009L16Rik	-0.746
Figl1	0.000	-1.989	0.996	-0.993	1.005	0.986	0.998	-0.986	-1.001	Fam83d	-0.747
Top2a	0.007	-1.990	2.902	0.912	2.877	2.531	3.298	1.037	0.787	Figl1	-0.748
Spic	0.003	-1.994	2.481	0.487	2.459	2.712	2.272	0.306	0.668	Spic	-0.749
9430085M18Rik	0.000	-2.001	1.876	-0.125	1.983	1.881	1.764	-0.077	-0.174	Meox1	-0.750
Fam83d	0.004	-2.004	0.967	-1.037	0.909	0.822	1.170	-0.750	-1.324	Slc35f1	-0.750
Slc35f1	0.000	-2.006	3.491	1.485	3.427	3.515	3.532	1.363	1.608	Adgrf1	-0.750
Adgrf1	0.001	-2.011	1.182	-0.830	1.085	1.262	1.197	-0.657	-1.002	9430085M18Rik	-0.751
1500009L16Rik	0.004	-2.016	1.722	-0.295	1.727	1.634	1.805	-0.633	0.044	Tmem117	-0.751
Tmem117	0.001	-2.017	4.040	2.023	3.979	4.077	4.065	2.227	1.819	Rflna	-0.751
Rflna	0.002	-2.023	3.281	1.258	3.177	3.296	3.370	1.507	1.008	Top2a	-0.753
Rab37	0.000	-2.041	4.716	2.675	4.879	4.594	4.676	2.685	2.665	Rab37	-0.758
Tmem132b	0.000	-2.048	4.501	2.453	4.359	4.611	4.533	2.481	2.425	Tmem132b	-0.759
Nek2	0.002	-2.063	1.846	-0.217	1.930	1.552	2.057	-0.183	-0.252	Mpp1	-0.761
Edn2	0.003	-2.080	2.300	0.220	2.369	2.505	2.026	0.004	0.437	Edn2	-0.763
Mpp1	0.004	-2.097	2.400	0.303	2.488	2.469	2.242	-0.029	0.635	Nek2	-0.763
Sacs	0.000	-2.100	1.523	-0.577	1.588	1.469	1.512	-0.645	-0.509	Hspa12a	-0.763
Gm49477	0.000	-2.101	3.067	0.967	3.220	2.939	3.043	0.869	1.064	AW551984	-0.766
Sema3e	0.000	-2.103	0.550	-1.553	0.428	0.584	0.638	-1.563	-1.542	Elmod1	-0.766

Cftr	0.001	-2.114	4.908	2.794	4.765	5.134	4.824	2.799	2.790	Sacs	-0.767
AW551984	0.003	-2.117	2.930	0.813	2.829	3.122	2.838	0.521	1.105	Gm49477	-0.767
Hspa12a	0.005	-2.120	4.413	2.293	4.354	4.563	4.322	2.654	1.932	Sema3e	-0.768
Apod	0.000	-2.122	1.189	-0.933	1.050	1.357	1.160	-0.958	-0.907	Cftr	-0.770
Ccdc184	0.001	-2.142	2.094	-0.048	1.974	2.024	2.284	0.140	-0.236	Apod	-0.771
Uhrf1	0.001	-2.144	1.983	-0.161	1.946	1.885	2.119	0.023	-0.345	Uhrf1	-0.772
Elmod1	0.008	-2.145	1.525	-0.620	1.350	1.727	1.500	-1.035	-0.205	Ccdc184	-0.772
Lyrm7	0.002	-2.150	1.519	-0.631	1.613	1.743	1.202	-0.717	-0.544	Cdk1	-0.776
Cdk1	0.001	-2.153	1.802	-0.351	1.981	1.576	1.848	-0.443	-0.259	Gnai1	-0.777
Zfp365	0.001	-2.168	2.700	0.532	2.644	2.895	2.560	0.675	0.389	Lyrm7	-0.777
Cenpf	0.005	-2.168	0.994	-1.174	0.911	0.668	1.404	-1.313	-1.035	Zfp365	-0.777
Mki67	0.007	-2.170	3.178	1.008	3.284	2.704	3.546	1.072	0.943	Ctnnd2	-0.778
Tpx2	0.005	-2.176	2.320	0.144	2.522	1.901	2.537	0.256	0.032	Krt222	-0.780
Gnai1	0.001	-2.176	4.397	2.221	4.345	4.453	4.394	2.430	2.012	Nusap1	-0.781
Ctnnd2	0.001	-2.176	3.382	1.206	3.218	3.529	3.400	1.022	1.390	Cenpf	-0.782
Nusap1	0.004	-2.182	2.009	-0.174	2.064	1.681	2.280	-0.370	0.022	Vopp1	-0.782
Krt222	0.000	-2.184	2.444	0.260	2.428	2.583	2.321	0.196	0.325	Tpx2	-0.782
Vopp1	0.000	-2.196	2.410	0.214	2.383	2.528	2.319	0.265	0.163	Glrbl	-0.783
Zik1	0.001	-2.198	1.992	-0.205	1.757	2.050	2.169	-0.156	-0.255	Zik1	-0.783
Samd12	0.000	-2.209	1.071	-1.138	1.090	1.139	0.983	-1.124	-1.152	Mki67	-0.784
Glrbl	0.001	-2.216	4.617	2.401	4.598	4.637	4.615	2.212	2.590	Samd12	-0.784
Stmn1	0.001	-2.217	2.878	0.661	2.985	2.614	3.036	0.643	0.679	Stmn1	-0.787
Gm8909	0.003	-2.258	2.615	0.358	2.669	2.921	2.255	0.440	0.275	Shank3	-0.790
Nostrin	0.001	-2.268	4.430	2.161	4.289	4.438	4.562	2.024	2.299	Gm4814	-0.790
Gm4814	0.003	-2.269	1.332	-0.938	1.124	1.474	1.397	-1.203	-0.673	Clec12b	-0.791
Clec12b	0.002	-2.270	4.317	2.047	4.497	4.118	4.336	1.804	2.289	Nostrin	-0.792
Lgi1	0.002	-2.277	1.862	-0.414	1.683	2.146	1.758	-0.564	-0.264	Cdkl1	-0.793
Cdkl1	0.000	-2.279	4.263	1.984	4.242	4.338	4.210	1.817	2.152	Gm8909	-0.794
T2	0.000	-2.286	2.113	-0.173	2.066	2.246	2.027	-0.228	-0.117	Lgi1	-0.795
Stk32b	0.001	-2.287	4.561	2.274	4.449	4.730	4.505	2.158	2.391	Stk32b	-0.795
Shank3	0.004	-2.288	1.782	-0.506	1.786	1.908	1.653	-0.858	-0.154	T2	-0.795
Gsdma	0.000	-2.296	5.260	2.964	5.278	5.155	5.347	2.903	3.026	Gsdma	-0.796
Gm25839	0.006	-2.296	2.343	0.047	1.948	2.251	2.829	0.000	0.094	Ckap2l	-0.800
Ckap2l	0.007	-2.304	2.045	-0.259	2.184	1.588	2.365	-0.490	-0.027	Cdk15	-0.800
Pbk	0.006	-2.306	4.161	1.855	4.308	3.672	4.503	1.904	1.807	Elf4	-0.800
Cdk15	0.001	-2.306	1.384	-0.922	1.090	1.625	1.436	-0.918	-0.926	9530036O11Rik	-0.803
Elf4	0.001	-2.342	1.064	-1.278	1.136	1.009	1.045	-1.506	-1.051	Gm25839	-0.803
9530036O11Rik	0.001	-2.355	0.678	-1.678	0.688	0.755	0.590	-1.466	-1.889	Pbk	-0.803
Rps6kl1	0.000	-2.358	2.712	0.354	2.701	2.759	2.675	0.207	0.500	Rps6kl1	-0.804
Adarb2	0.001	-2.377	2.950	0.573	2.800	3.134	2.917	0.769	0.378	Adgrg6	-0.804
Nuf2	0.001	-2.379	0.925	-1.455	0.945	0.651	1.178	-1.551	-1.358	Adarb2	-0.807
Mxd3	0.000	-2.380	0.896	-1.484	0.921	0.769	0.999	-1.625	-1.342	Mxd3	-0.807
Adgrg6	0.003	-2.388	0.831	-1.557	0.853	0.704	0.935	-1.224	-1.891	Vsnl1	-0.809
Vsnl1	0.001	-2.396	2.854	0.458	2.688	3.004	2.870	0.236	0.680	Nuf2	-0.809
Gm13716	0.006	-2.402	6.411	4.009	6.139	6.872	6.222	4.209	3.809	Plppr4	-0.810
Plppr4	0.001	-2.408	3.397	0.989	3.304	3.489	3.399	0.791	1.187	Gm13716	-0.814
Clspn	0.004	-2.431	0.602	-1.829	0.548	0.259	0.998	-1.985	-1.673	Asf1b	-0.815
Asf1b	0.000	-2.435	2.249	-0.185	2.316	2.102	2.331	-0.208	-0.163	Clspn	-0.818
Lrrc55	0.006	-2.442	6.515	4.073	6.216	7.004	6.325	4.236	3.910	Catspere2	-0.819
Gm46603	0.003	-2.479	3.479	1.000	3.498	3.814	3.124	1.120	0.880	Lrrc55	-0.820
Cntnap2	0.001	-2.502	4.552	2.050	4.399	4.848	4.409	2.017	2.083	Gm46603	-0.823
Catspere2	0.005	-2.521	2.312	-0.210	2.358	2.141	2.436	-0.621	0.201	Cntnap2	-0.825
Rit2	0.000	-2.529	0.594	-1.936	0.551	0.452	0.778	-1.839	-2.032	Rit2	-0.827
Insyn1	0.000	-2.531	4.116	1.585	4.088	4.237	4.022	1.553	1.616	Insyn1	-0.827
Gm38413	0.000	-2.542	3.190	0.648	3.234	3.020	3.316	0.736	0.561	Gm38413	-0.829
Cdc6	0.001	-2.605	1.415	-1.190	1.168	1.444	1.632	-1.017	-1.362	Dok5	-0.834
Rab3c	0.002	-2.618	3.271	0.654	3.128	3.611	3.075	0.529	0.778	Cdc6	-0.836
lqcg	0.000	-2.624	2.422	-0.203	2.274	2.590	2.401	-0.072	-0.333	S100a10	-0.837
Gm4598	0.001	-2.625	2.316	-0.309	2.258	2.237	2.451	-0.492	-0.126	Gm4598	-0.837
Cth	0.000	-2.650	1.153	-1.496	1.188	1.076	1.196	-1.414	-1.579	lqcg	-0.838
S100a10	0.002	-2.652	6.439	3.788	6.366	6.499	6.453	4.125	3.450	Rab3c	-0.839
Tmem255a	0.001	-2.662	5.083	2.422	5.050	5.175	5.026	2.633	2.210	Gm47541	-0.840
Gm47541	0.001	-2.676	2.435	-0.241	2.428	2.423	2.453	0.063	-0.545	Tmem255a	-0.840
Tmem47	0.004	-2.681	3.596	0.914	3.289	4.084	3.414	0.823	1.005	Cth	-0.841
Dok5	0.007	-2.684	2.913	0.228	2.970	2.833	2.935	0.764	-0.307	Rtn1	-0.841
Rtn1	0.006	-2.704	3.830	1.127	3.736	4.116	3.639	0.689	1.565	Tmem47	-0.848

Lrrc55os	0.001	-2.734	0.823	-1.911	0.595	0.912	0.962	-2.107	-1.715	Lrrc55os	-0.849
Reep1	0.000	-2.753	1.427	-1.325	1.596	1.282	1.404	-1.180	-1.470	Sifn9	-0.850
Sifn9	0.008	-2.823	1.509	-1.314	1.245	1.486	1.795	-0.773	-1.855	Reep1	-0.851
Col6a3	0.000	-2.823	2.449	-0.374	2.511	2.302	2.534	-0.514	-0.234	Col6a3	-0.858
Panx1	0.004	-2.833	0.700	-2.132	0.600	1.155	0.346	-2.345	-1.920	Panx1	-0.862
Gm36503	0.008	-2.868	1.612	-1.256	1.264	2.123	1.451	-0.840	-1.671	Gm36503	-0.862
Gabra4	0.000	-2.888	2.565	-0.323	2.365	2.692	2.637	-0.316	-0.331	Vat1l	-0.864
Ccnb1ip1	0.001	-2.897	1.536	-1.361	1.324	1.467	1.818	-1.431	-1.291	Gabra4	-0.866
Cdh8	0.000	-2.914	4.890	1.976	4.776	5.013	4.880	1.880	2.072	Ccnb1ip1	-0.867
B3gnt9	0.002	-2.921	3.781	0.860	3.649	4.166	3.526	0.636	1.083	Cdh8	-0.867
Crhr1	0.000	-2.967	4.359	1.392	4.313	4.270	4.494	1.337	1.447	B3gnt9	-0.869
Ccm2l	0.000	-2.981	1.092	-1.889	1.021	1.164	1.090	-1.786	-1.993	Thrsp	-0.872
Vat1l	0.006	-2.987	4.578	1.591	4.601	4.590	4.544	1.023	2.160	Crhr1	-0.872
Gng2	0.000	-2.998	3.453	0.455	3.410	3.554	3.395	0.435	0.475	Ccm2l	-0.873
Thrsp	0.003	-3.032	1.513	-1.519	1.614	1.445	1.479	-1.971	-1.068	Gng2	-0.875
Map7d2	0.000	-3.042	4.567	1.525	4.436	4.710	4.554	1.543	1.506	Map7d2	-0.879
Sv2b	0.000	-3.072	1.118	-1.953	1.246	0.915	1.195	-1.863	-2.043	Sv2b	-0.881
Gm9816	0.004	-3.088	1.029	-2.059	1.384	0.605	1.098	-1.755	-2.363	Gm18227	-0.882
Nudt11	0.001	-3.110	3.859	0.749	3.679	4.209	3.689	0.843	0.655	Gm9816	-0.883
Cd96	0.001	-3.116	0.722	-2.394	0.689	0.831	0.646	-2.645	-2.142	Cd96	-0.883
Hspe1-rs1	0.001	-3.118	3.966	0.848	3.702	4.212	3.984	1.117	0.579	Hspe1-rs1	-0.884
Tgfbf	0.000	-3.175	2.444	-0.732	2.474	2.354	2.503	-0.948	-0.515	Nudt11	-0.886
Gm18227	0.005	-3.178	0.904	-2.274	0.893	1.058	0.762	-2.809	-1.739	Tgfbf	-0.888
Nudt10	0.001	-3.259	4.304	1.045	4.147	4.619	4.146	1.060	1.031	Gm4737	-0.892
Gm4737	0.003	-3.296	2.200	-1.096	2.091	2.212	2.299	-1.584	-0.607	Rgs7bp	-0.894
Rgs7bp	0.004	-3.327	2.621	-0.706	2.576	2.729	2.558	-1.237	-0.176	Nudt10	-0.897
Negr1	0.000	-3.352	3.396	0.044	3.286	3.570	3.332	-0.178	0.267	Gm7818	-0.898
Gm7818	0.008	-3.389	0.941	-2.448	1.278	1.014	0.531	-3.068	-1.828	Negr1	-0.901
Dync1i1	0.001	-3.414	2.664	-0.750	2.643	2.827	2.521	-1.033	-0.467	Dync1i1	-0.905
Nebl	0.002	-3.535	2.256	-1.280	2.132	2.579	2.056	-0.937	-1.623	Col16a1	-0.912
Col16a1	0.001	-3.564	0.819	-2.746	0.841	0.887	0.728	-3.136	-2.355	Nebl	-0.912
Nmnat2	0.002	-3.565	2.429	-1.136	2.038	2.900	2.350	-1.014	-1.257	Fer1l6	-0.916
Fer1l6	0.000	-3.574	3.128	-0.445	3.063	3.155	3.167	-0.311	-0.580	Nmnat2	-0.918
Fam111a	0.002	-3.584	1.972	-1.611	1.706	1.699	2.512	-1.637	-1.586	Fam111a	-0.920
Gad2	0.003	-3.667	2.329	-1.338	2.165	2.717	2.105	-0.936	-1.740	Gad2	-0.920
Snap91	0.000	-3.683	3.448	-0.234	3.330	3.715	3.300	-0.302	-0.166	Snap91	-0.923
Rph3a	0.002	-3.712	4.492	0.779	4.285	5.012	4.178	0.828	0.730	Zcchc12	-0.923
Zcchc12	0.002	-3.740	6.091	2.351	6.110	5.821	6.343	2.745	1.957	Rph3a	-0.926
Fez1	0.001	-3.832	2.675	-1.158	2.528	2.675	2.821	-1.485	-0.830	Fez1	-0.928
Prkcb	0.002	-3.901	4.605	0.704	4.470	4.767	4.576	0.257	1.150	Trpv1	-0.929
Spon1	0.000	-3.904	2.902	-1.002	2.874	2.818	3.015	-1.129	-0.875	Prkcb	-0.930
Trpv1	0.003	-3.943	0.795	-3.147	0.789	0.835	0.763	-2.551	-3.744	Spon1	-0.933
Sgca	0.002	-4.047	0.900	-3.147	0.739	0.903	1.058	-3.635	-2.658	Sgca	-0.936
Gm14719	0.003	-4.303	2.347	-1.956	2.877	2.320	1.843	-2.284	-1.629	Eef1a2	-0.942
Eef1a2	0.006	-4.322	6.073	1.751	6.092	6.134	5.992	0.933	2.569	Gm10637	-0.947
Lhfp	0.000	-4.359	1.778	-2.581	1.689	1.752	1.894	-2.871	-2.290	Gm14719	-0.950
Gm10637	0.003	-4.359	1.516	-2.843	1.579	1.662	1.306	-2.234	-3.453	Lhfp	-0.950
Gm47015	0.003	-4.487	5.558	1.071	5.436	5.850	5.388	1.699	0.443	Gm47015	-0.952
Rps24-ps3	0.001	-4.504	5.051	0.548	5.047	5.122	4.986	0.059	1.036	Rps24-ps3	-0.953
Cntn1	0.000	-4.611	4.812	0.201	4.651	5.044	4.742	-0.001	0.403	Cntn1	-0.959
Adgrl3	0.001	-4.853	1.953	-2.899	1.826	2.188	1.847	-3.346	-2.452	Adgrl3	-0.964
Gm13712	0.000	-5.432	0.720	-4.711	0.594	0.893	0.674	-5.039	-4.384	Gm13712	-0.976
Syt10	0.000	-5.664	5.548	-0.115	5.376	5.843	5.427	0.083	-0.314	Syt10	-0.980
Prss22	0.002	-5.804	2.678	-3.125	2.185	3.514	2.336	-3.245	-3.005	Gm19792	-0.981
Gm19792	0.001	-5.858	1.330	-4.528	1.416	1.245	1.329	-3.855	-5.200	Ubb-ps	-0.984
Ubb-ps	0.000	-5.958	6.485	0.527	6.383	6.453	6.619	0.199	0.854	Prss22	-0.984
Npy	0.001	-8.301	7.839	-0.462	7.878	8.516	7.122	-1.019	0.095	Npy	-0.997
Gm15772	0.000	-8.648	7.618	-1.029	7.620	7.497	7.738	-1.064	-0.994	Gm15772	-0.998
Rps2-ps13	0.000	-9.488	6.156	-3.332	6.095	6.320	6.053	-2.659	-4.004	Rps2-ps13	-0.998