

Gene	Log fold ch	p-value	adjusted p-value
Rp1	4.004956	0	0
Sag	3.518874	0	0
Rho	2.805436	0	0
Pdc	3.428814	0	0
Prph2	3.282281	0	0
Rpgrip1	3.803375	0	0
Cnga1	3.703772	0	0
Pde6g	3.150364	0	0
Tulp1	3.459747	0	0
Rcvrn	3.30013	0	0
Rom1	3.037566	0	0
Gngt1	3.006897	0	0
Gnat1	2.81208	0	0
Guca1b	3.32971	0	0
Nr2e3	3.636258	0	0
Pde6b	3.400092	0	0
Gnb1	2.463337	0	0
Unc119	2.965646	0	0
Mir124-2h	3.420411	0	0
Neurod1	3.683311	0	0
Pde6a	3.310321	0	0
Kcnb1	3.283769	0	0
Mir124a-1	3.486187	0	0
Cplx4	3.555861	0	0
Nrl	3.133006	0	0
Slc24a1	3.219855	0	0
Marchf1	4.266141	0	0
Rdh12	3.561881	0	0
Map1b	3.175453	0	0
Cngb1	3.155921	0	0
Tma7	2.517447	0	0
Rtbdn	3.28893	0	0
Pex5l	3.558445	0	0
Pcmtd2	2.935915	0	0
Aipl1	3.208188	0	0
Elovl4	3.174441	0	0
Casz1	3.469569	0	0
Agpat3	2.724918	0	0
Slc17a7	2.986736	0	0
Hk2	3.643732	0	0
Al847159	3.45173	0	0
Rgs9	3.750667	0	0
Hsp90aa1	2.226052	0	0
Crx	2.955066	0	0
Prcd	3.044818	0	0
Gnb5	2.8739	0	0

Mpp4	3.180842	0	0
Samd11	3.189308	0	0
Rs1	2.884111	0	0
Tlcd3b	2.813305	0	0
Tmem108	4.373268	0	0
Fam161a	3.147644	0	0
Rims2	3.288331	0	0
Grk1	2.988721	0	0
A930003A	3.123174	0	0
Syt1	3.055788	0	0
Reep6	2.758647	0	0
Rgs9bp	2.957587	0	0
Rbp3	2.539834	0	0
Hmgn1	2.084388	0	0
Ank2	2.965405	0	0
Nxn12	3.259141	0	0
Mak	3.46728	0	0
Nxn11	3.512679	0	0
Rabgef1	2.848869	0	0
Cep164	3.140345	0	0
Cabp4	3.254819	0	0
Hcn1	3.070468	0	0
Dmd	2.615232	0	0
Wdr17	3.58693	0	0
Sgip1	3.006007	0	0
Drd4	3.089932	0	0
Gucy2e	3.082498	0	0
Epb41l2	2.120537	0	0
Stx3	2.481311	0	0
Slc4a7	3.09943	0	0
Faim	2.524154	0	0
Ldha	2.016814	0	0
Camk2d	2.46486	0	0
Kif1b	2.155968	0	0
Pdzph1	3.480865	0	0
Ndr3	2.62626	0	0
Ebpl	2.575532	0	0
Ankrd33b	3.102238	0	0
Kcnj14	2.988389	0	0
Slc16a6	3.434123	0	0
Gm48551	3.04106	0	0
Glmn	3.262039	0	0
Rufy3	2.727076	0	0
Cep290	2.946728	0	0
Vax2os	2.928799	0	0
Abca4	2.823051	0	0
Vldlr	3.145836	0	0

Susd3	3.301898	0	0
Madd	2.897341	0	0
Epb41	2.330249	0	0
Zdhhc2	3.566341	0	0
Hspa4l	2.599147	0	0
Osbp2	2.746031	0	0
Stard7	2.7277	0	0
Ccdc126	3.12033	0	0
Amer2	3.065342	0	0
Taok3	2.90766	0	0
Ybx3	2.109483	0	0
Dgke	2.769976	0	0
Cited2	2.432471	0	0
Cdhr1	2.911456	0	0
Stk35	2.572542	0	0
Dpf3	3.541764	0	0
Smim40	2.56762	0	0
Map2	2.630157	0	0
Rp111	3.019595	0	0
Otx2	2.965148	0	0
Tnrc6b	2.051659	0	0
Peg3	2.883069	0	0
Sgk1	2.118526	0	0
Gpsm2	3.272077	0	0
Ankrd12	1.968172	0	0
Cdr2	3.009837	0	0
Fabp12	3.030722	0	0
Kcnv2	2.969709	0	0
Herc3	2.759225	0	0
Slc31a2	2.569959	0	0
Fam53b	3.003587	0	0
H2aw	2.390802	0	0
Cadm2	2.711434	0	0
Fam3c	2.208635	0	0
Klhl18	2.925397	0	0
Ppp2r2b	3.115216	0	0
Atp1a3	2.361146	0	0
Tob2	2.270138	0	0
Dpysl3	3.264133	0	0
Lrit2	3.151997	0	0
Tub	3.021347	0	0
A430035B	3.453219	0	0
Ppm1n	3.495311	0	0
Fsd1l	2.909535	0	0
Macir	2.935102	0	0
Snap25	2.358998	0	0
Arl6	2.859031	0	0

Camsap1	2.665227	0	0
Cdk2ap2	2.380093	0	0
Impg2	3.136183	0	0
Ip6k2	2.791495	0	0
Impg1	3.416932	0	0
Meis2	3.126823	0	0
Pla2r1	2.996111	0	0
Pcbp4	2.284987	0	0
Bbs7	3.117667	0	0
Cacna2d4	2.882135	0	0
Arhgef26	3.121111	0	0
A930036K	3.379236	0	0
Upf3b	2.263309	0	0
Pcare	3.069381	0	0
Adipor1	1.871621	0	0
Rnf207	3.333519	0	0
Ahi1	2.343347	0	0
Stxbp1	2.100285	0	0
Aldoa	1.458073	0	0
Gm19667	4.036808	0	0
Man2a2	2.295507	0	0
3010001F1	3.011028	0	0
Pitpnm3	3.066051	0	0
Ypel2	2.638047	0	0
Lyar	2.235645	0	0
Usp2	2.723263	0	0
Rorb	2.040411	0	0
Nt5e	3.159748	0	0
Ankrd33	3.13461	0	0
Tnfaip3	2.809206	0	0
Atp8a2	3.408033	0	0
Cds1	2.921505	0	0
Cacnb2	3.092691	0	0
Dlg4	2.443198	0	0
Esrrb	3.049651	0	0
Nim1k	2.871849	0	0
Pcdh15	3.148392	0	0
Pak5	3.687002	0	0
Mab21l1	2.826823	0	0
Syp	2.510367	0	0
Rhot1	2.344672	0	0
Msi2	1.700424	0	0
Crif3	2.314169	0	0
Grtp1	2.825014	0	0
Fscn2	3.085488	0	0
Plekhf2	2.382561	0	0
Gramd1b	2.550013	0	0

Anp32e	1.80402	0	0
Sv2b	2.62969	0	0
Strbp	2.349802	0	0
Pkm	1.414204	0	0
D16Ertd47	2.648626	0	0
Icmt	2.45036	0	0
Usp33	2.344418	0	0
Tlcd5	2.747137	0	0
Mdm1	2.970689	0	0
Hif1a	1.745964	0	0
Unc13b	2.047771	0	0
Tbc1d24	2.906036	0	0
Arl4d	2.267972	0	0
Kmt2a	1.732468	0	0
Kif21b	2.86671	0	0
Snrnp70	1.733477	0	0
Gm11961	3.448673	0	0
Trpc1	2.644723	0	0
Hook1	2.623311	0	0
Glb1l2	3.035389	0	0
C2cd2l	2.39708	0	0
Ttc8	2.78763	0	0
Fam169a	1.822981	0	0
A930006lC	3.234364	0	0
Gm47647	3.25063	0	0
Fbxl5	2.011871	0	0
Lgalsl	1.937836	0	0
Pcbp2	1.337705	0	0
Atp11b	1.977172	0	0
Kdm5b	2.008314	0	0
Pitpnm1	2.330712	0	0
Slc25a33	2.426371	0	0
Xiap	1.65635	0	0
Malat1	1.294219	0	0
Lca5	3.049127	0	0
Eml5	2.667067	0	0
Rd3	2.840307	0	0
Gucy2f	3.122257	0	0
Snap91	2.643831	0	0
Cspp1	2.188965	0	0
Adcy1	3.011976	0	0
Agpat5	2.295295	0	0
Ddhd1	2.42577	0	0
Hs3st3b1	3.209931	0	0
Gm11342	4.191917	0	0
Tmem237	2.428675	0	0
Nlk	2.132791	0	0

Nktr	1.727688	0	0
Rsrp1	1.391718	0	0
Ckmt1	3.23673	0	0
Chd7	2.101755	0	0
Dyrk2	2.272521	0	0
Tomm20	1.588463	0	0
Lrit1	2.905241	0	0
Wdr47	2.445759	0	0
Ktn1	1.579313	0	0
Dmxl2	2.385268	0	0
C1ql3	3.714381	0	0
Arl3	1.764382	0	0
Vopp1	2.553546	0	0
Uckl1	2.423067	0	0
Chchd10	1.922293	0	0
Ndufs2	1.700355	0	0
Dnai4	3.045978	0	0
Impdh1	1.784137	0	0
Slc26a2	2.699336	0	0
Tdrd7	2.284126	0	0
Peli3	3.207207	0	0
Gm15706	2.898711	0	0
Camk1d	2.869005	0	0
Fyco1	1.771616	0	0
Laptm4b	2.021949	0	0
Gm47160	3.303547	0	0
Bicdl1	2.698105	0	0
A930003O	3.485464	0	0
Hmgn2	2.057005	0	0
Gnaz	2.942044	0	0
Ddx5	1.064377	0	0
Ppargc1a	3.185614	0	0
Kdm4c	2.326349	0	0
Gramd2	3.1336	0	0
Got1	2.316317	0	0
Optn	2.597161	0	0
Celf2	2.052609	0	0
Sntb2	2.1331	0	0
Acs11	2.509533	0	0
Plk5	2.499885	0	0
Tnpo1	1.761695	0	0
Napb	2.361612	0	0
Pclo	2.707675	0	0
Mapre3	2.152868	0	0
Sh2d1a	3.280133	0	0
Katnip	2.491577	0	0
Atp1b2	1.587626	0	0

A530058N	2.784457	0	0
Cadm1	1.753798	0	0
Samd7	3.333219	0	0
Guk1	1.722363	0	0
Galnt7	2.373694	0	0
Ssu72	1.598459	0	0
Ahcyl1	1.674394	0	0
Grina	1.74771	0	0
Memo1	2.450534	0	0
Bzw2	2.334481	0	0
Lbhd1	2.931945	0	0
Cdk5r2	2.843257	0	0
Gapdh	1.27174	0	0
Hnrnpu	1.348634	0	0
Slc25a25	2.588738	0	0
Wdr31	3.464128	0	0
Crb1	2.084036	0	0
Kif21a	2.063696	0	0
3222401L1	2.42711	0	0
Zfp385a	1.945283	0	0
Crocc	2.476963	0	0
Ap2a2	1.835648	0	0
E130310I0	3.065511	0	0
Prom1	1.436038	0	0
Gm47543	3.050043	0	0
Lpgat1	2.092005	0	0
Arl13b	2.324934	0	0
Prkca	2.453298	0	0
Ccdc107	2.000801	0	0
Trafd1	2.079968	0	0
Npepps	1.895051	0	0
Fhod3	3.359451	0	0
Epb41l5	2.574194	0	0
Pfkfb2	2.831188	0	0
Ppa1	2.228469	0	0
Ints13	2.374693	0	0
Ubap1l	3.634459	0	0
Dscaml1	2.981106	0	0
Gm19445	4.189411	0	0
lpmk	2.183232	0	0
Eno2	2.252463	0	0
Srrm3	2.932534	0	0
Zfp654	2.348613	0	0
Spata1	3.051119	0	0
Nadk2	2.234717	0	0
Cers4	1.659623	0	0
Aqp1	2.913587	0	0

Atxn1	1.89593	0	0
Frmd4b	1.663036	0	0
Bhlhe41	2.415136	0	0
Frmpd2	3.063648	0	0
Rsrc2	1.432761	0	0
Unc80	2.524242	0	0
Ppm1b	1.951722	0	0
Bbs5	2.853781	0	0
Ric8b	2.347118	0	0
Scg5	2.170062	0	0
Cxxc4	2.58588	0	0
Slc1a2	1.81365	0	0
A930001M	3.311131	0	0
Adgrv1	2.696768	0	0
Tln2	2.267946	0	0
Mef2d	1.753145	0	0
Phlpp2	2.536006	0	0
Gm9856	3.377369	0	0
Pbx3	2.343142	0	0
Pla2g7	2.627164	0	0
5330431K	3.632426	0	0
Hk1	1.735768	0	0
Smim13	2.252164	0	0
Gm37764	3.77149	0	0
Hmgb2	1.628378	0	0
Rasgrf2	2.536011	0	0
Bbs4	2.483539	0	0
Bbs9	2.918738	0	0
Plcxd2	3.074204	0	0
Rora	1.631455	0	0
Tet3	1.824343	0	0
Vps37a	1.919701	0	0
Fam171b	1.97729	0	0
Gm10544	3.178637	0	0
Rncr4	3.268401	0	0
Srsf1	1.571029	0	0
4632427E	1.815573	0	0
Tax1bp1	1.242542	0	0
Tmem150	2.846921	0	0
Camta1	1.845449	0	0
Ppargc1b	2.732858	0	0
Aak1	1.878035	0	0
Psd	2.686954	0	0
Ndufa4	1.158701	0	0
Krt18	2.714007	0	0
Bin1	2.147825	0	0
Clcn3	1.59744	0	0

Lhfp13	3.286613	0	0
Tusc3	2.011152	0	0
Ppip5k1	2.495369	0	0
Ppef2	2.985331	0	0
Elfn1	3.1579	0	0
Nbea	1.807353	0	0
Whrn	3.015918	0	0
Med13l	1.642448	0	0
Map7	1.790401	0	0
Jarid2	1.937603	0	0
Cnrip1	2.507316	0	0
Ptp4a3	1.395194	0	0
Otx2os1	3.208035	0	0
Frmpd1	2.75076	0	0
Rgs20	3.20603	0	0
Fgd4	2.453676	0	0
Srpk2	1.611205	0	0
Gm20139	3.941969	0	0
Abcg1	2.534968	0	0
Cacna1f	2.540083	0	0
Pacsin1	2.30732	0	0
Tnfsf12	1.714883	0	0
Vamp2	1.503049	0	0
Ammecr1	2.484626	0	0
Slco4a1	2.889303	0	0
Sdc4	2.229029	0	0
Plch2	2.36655	0	0
Dync2i1	2.724376	0	0
Sec22a	2.321579	0	0
Synj1	1.840362	0	0
Ahr	2.950597	0	0
Uckl1os	3.296679	0	0
Lpcat1	1.936041	0	0
Zfp36l2	1.494127	0	0
St8sia1	2.565034	0	0
C2cd5	2.272511	0	0
Ntm	2.443911	0	0
Me1	2.643409	0	0
Pgam1	1.357765	0	0
Gas7	3.19794	0	0
Atp6v0b	1.33108	0	0
Acsf6	2.215668	0	0
Zranb1	1.643881	0	0
2810030D	3.275581	0	0
Sp4	2.079382	0	0
Zfp444	2.205791	0	0
Cul5	1.73589	0	0

Ncam1	1.692202	0	0
Mat2a	1.308063	0	0
Thrb	2.716819	0	0
Baz2b	1.356789	0	0
Polg2	2.779845	0	0
Zfp516	2.012734	0	0
Zfyve28	3.059453	0	0
Zcchc7	1.581436	0	0
Sik2	2.841445	0	0
Pdia5	2.705571	0	0
Ccndbp1	1.878465	0	0
Nsf	1.682253	0	0
Msi1	1.702601	0	0
Rrp1b	2.435921	0	0
Hsbp1l1	2.891245	0	0
Ppp3cc	2.137198	0	0
Rnf157	2.5524	0	0
Ssbp2	1.850549	0	0
Igsf9	3.135531	0	0
Serinc4	3.144395	0	0
Wdr20	2.22457	0	0
Ccdc24	3.340196	0	0
Sys1	1.605352	0	0
Atp2b1	1.32335	0	0
Anp32a	1.075236	0	0
Tra2a	1.353738	0	0
Ikzf2	2.871137	0	0
Rax	1.760992	0	0
Steap2	2.57493	0	0
Zfp536	2.231997	0	0
Dnm3	1.576988	0	0
Kpna2	3.16119	0	0
Slc12a5	2.014646	0	0
Traf3ip3	3.068405	0	0
Wapl	1.422072	0	0
Ppfia2	2.768313	0	0
Mpped2	2.591026	0	0
Plekha8	2.291034	0	0
Ubn2	1.462043	0	0
Cst3	1.029283	0	0
Ttc19	1.97882	0	0
4632415L	2.086305	0	0
Gm45153	4.395085	0	0
Rpgr	2.76861	0	0
Dixdc1	2.010808	0	0
Pnir	1.256004	0	0
N4bp2	2.488354	0	0

Top2b	1.377659	0	0
Zfp329	1.896161	0	0
Klc3	2.49016	0	0
Atf4	1.342884	0	0
Arhgap5	1.20106	0	0
Tmem138	2.78118	0	0
Lurap1l	2.220752	0	0
Atad2b	1.887319	0	0
Scamp5	2.250119	0	0
Gm17231	3.836474	0	0
Diaph3	3.08386	0	0
Zfp644	1.361037	0	0
Uqcc3	1.53714	0	0
Meis1	2.684762	0	0
Chd9	1.656385	0	0
Gpatch8	1.468331	0	0
Pip4k2c	2.047144	0	0
Styx	2.514351	0	0
Rab28	1.654223	0	0
Cirbp	1.308273	0	0
Cul3	1.383658	0	0
Gpr137c	2.666078	0	0
Pde6d	1.869579	0	0
Gm45716	2.425871	0	0
Ppp1r42	3.414938	0	0
Insm1	3.331888	0	0
Rhot2	2.069775	0	0
Agtppbp1	1.814328	0	0
Cep250	2.034033	0	0
Slc38a9	2.120298	0	0
H1f2	1.52456	0	0
Ndufa10	1.484923	0	0
Gm49599	1.93148	0	0
Trib2	1.605107	0	0
Negr1	2.339204	0	0
Suv39h2	3.236997	0	0
Zfp445	1.622203	0	0
Cpe	1.271946	0	0
Ccdc177	2.700208	0	0
Plekhb1	1.419431	0	0
Eid1	1.194963	0	0
Ttc39c	2.959198	0	0
Xylt1	3.027481	0	0
Tbcc	2.024075	0	0
Son	0.927765	0	0
Aff1	1.737326	0	0
Guca1a	2.148384	0	0

Ccdc173	2.896483	0	0
Otud7b	1.65484	0	0
Fam222a	3.056775	0	0
Sh3bgrl2	2.316713	0	0
Rbm25	1.16879	0	0
Zfp365	2.211047	0	0
A330094K	2.986141	0	0
Rnf150	2.164072	0	0
Zfp385b	2.447814	0	0
Zmynd8	1.564893	0	0
Dalrd3	2.147506	0	0
E430021H	3.108929	0	0
Pcsk1n	1.718859	0	0
Uhmk1	1.599525	0	0
Lztfl1	1.804053	0	0
Klhl3	2.379268	0	0
Gpr152	3.372926	0	0
Hnrnph3	1.372223	0	0
Csnk1g1	1.7541	0	0
Gm14091	3.576309	0	0
Trim2	1.676289	0	0
Tcf20	1.813808	0	0
Mef2c	1.129011	0	0
Pde4dip	2.007597	0	0
Zcchc3	2.397565	0	0
Ccn4	3.229908	0	0
Plagl2	2.302232	0	0
Ric3	2.837538	0	0
Ift81	2.15995	0	0
Slc6a6	0.943699	0	0
Ppa2	1.848094	0	0
Kansl1l	1.903467	0	0
Utp3	1.646901	0	0
CntlIn	1.698414	0	0
Socs7	1.83163	0	0
Purb	1.008369	0	0
Abca13	3.818622	0	0
Vezf1	1.264138	0	0
Ctbp2	1.440953	0	0
Gm5297	4.280481	0	0
Klhl36	2.477559	0	0
Crebzf	1.707071	0	0
Oip5os1	1.103205	0	0
Itfg2	2.236229	0	0
Taf4b	2.942064	0	0
Paqr4	2.031628	0	0
Wdtdc1	1.898172	0	0

Fam193a	1.478533	0	0
Gls	1.264612	0	0
Syne2	1.36206	0	0
Plpp2	2.62411	0	0
Slc25a5	1.17191	0	0
Mtcl1	2.033188	0	0
Tube1	3.437101	0	0
Cerkl	3.181634	0	0
Elovl2	2.918094	0	0
Nfasc	2.287022	0	0
Pitpnm2os	3.615287	0	0
Dctn1	1.391559	0	0
Ralgps2	1.75609	0	0
Mbnl2	1.121426	0	0
Tmem63b	1.720149	0	0
Sugp2	2.213994	0	0
Tspan7	1.457578	0	0
Dnajc5	1.330076	0	0
Ttc14	1.271831	0	0
Gm43011	2.711544	0	0
Pnn	1.250149	0	0
Eps8	1.924492	0	0
Gm7546	4.1758	0	0
Dennd10	1.759826	0	0
Gucd1	2.441928	0	0
Pacsin2	1.56823	0	0
B230220B	3.15071	0	0
Arid3b	2.41718	0	0
Arhgap24	2.706879	0	0
Sema3f	2.270229	0	0
Syt14	2.812295	0	0
Crb2	2.826285	0	0
Prkcz	2.619548	0	0
Skida1	2.484271	0	0
A330023F	2.151596	0	0
Smug1	2.298291	0	0
Cep126	2.690895	0	0
Lmnb1	2.35422	0	0
Bbs1	2.59	0	0
Cecr2	2.028441	0	0
Cdan1	2.446002	0	0
9530085L1	2.763536	0	0
Ssx2ip	1.711828	0	0
Kmt2c	1.205641	0	0
Heatr5a	1.865368	0	0
Al480526	2.109015	0	0
Luc7l3	1.125362	0	0

Spint2	2.055213	0	0
Tmem201	2.129399	0	0
Ush2a	3.211773	0	0
5930430LC	2.236331	0	0
Hspb6	2.411164	0	0
Hirip3	2.170144	0	0
4632432E	3.405624	0	0
Zfp787	1.845264	0	0
Mest	2.511075	0	0
Abcg4	2.824504	0	0
0610009B	1.729139	0	0
Cstf3	1.845346	0	0
Sntg2	2.637355	0	0
Nrip1	1.334574	0	0
Ccnl1	1.234254	0	0
Ahrr	3.424561	0	0
E130218IO	1.257986	0	0
Cnot6	1.169375	0	0
Zdhhc6	1.707411	0	0
Atp6v0e2	1.578311	0	0
Eml3	1.857828	0	0
Snta1	2.015727	0	0
Ube4bos1	3.64888	0	0
Tle4	1.557572	0	0
Tmx1	1.472481	0	0
Tmcc1	1.446595	0	0
Armc1	1.490869	0	0
Fance	1.956581	0	0
Slc1a7	2.582692	0	0
Dnmt3a	1.615807	0	0
Ilf2	1.497864	0	0
2610020C	3.200506	0	0
Immt	1.328883	0	0
Zbtb18	1.718875	0	0
Tmem230	1.77729	0	0
Acin1	1.130185	0	0
Sh3gl2	2.00318	0	0
Golgb1	1.24684	0	0
ENSMUSG	1.744651	0	0
Eif1a	1.552258	0	0
Gm28875	2.213568	0	0
Ubttd1	2.173417	0	0
Prdm8	2.421278	0	0
Gm19409	3.489991	0	0
Cuedc1	1.315966	0	0
Cnnm4	2.323229	0	0
Plcd3	2.518525	0	0

Vax2	2.597893	0	0
Gm42515	2.801965	0	0
6430590A	2.297358	0	0
Zfp612	2.479874	0	0
Polr2a	1.316924	0	0
Llg12	2.535732	0	0
Zfp281	1.634152	0	0
Leng8	1.324205	0	0
4932438A	1.277806	0	0
Zfp462	1.692853	0	0
Pgk1	1.138603	0	0
Inka2	2.345967	0	0
Napg	1.471623	0	0
Rnf113a2	2.113222	0	0
Agl	1.786457	0	0
Gtf2ird1	1.745064	0	0
6530402F	2.809786	0	0
Gdpd5	1.919768	0	0
Nipal1	3.82721	0	0
Brsk2	2.328702	0	0
Fam149a	2.315202	0	0
Sfxn2	2.737041	0	0
Tbc1d32	2.283082	0	0
Dnm1	1.875668	0	0
Sarm1	3.069155	0	0
Hmgcr	1.865349	0	0
Pfkp	1.249623	0	0
Lrrc2	3.059362	0	0
Rmdn3	2.135626	0	0
Dync2h1	2.088531	0	0
Syng1	1.967158	0	0
Slc17a1	3.0847	0.00E+00	2.58E-308
Gm48114	3.196869	0.00E+00	5.18E-308
Pias1	1.390991	0	0
Scn8a	2.577946	9.6574588	0.00E+00
Tigd2	1.630812	0	0
Tmem107	2.372881	0.00E+00	0.00E+00
Apc	1.170948	0	0
Akap9	1.147416	6.2544664	0.00E+00
Prpf39	1.444077	0.00E+00	0.00E+00
Zdhhc5	1.653902	0.00E+00	8.74E-308
Snhg20	1.547679	0.00E+00	1.52E-307
Sirt4	2.48353	1.26E-306	1.42E-305
Wwox	2.099799	1.81E-307	2.05E-306
Macrod2	2.248541	1.33E-306	1.50E-305
Emsy	1.38297	1.13E-307	1.29E-306
Ln timer	1.948264	4.04E-307	4.57E-306

Slf2	1.674451	4.86E-307	5.49E-306
Syne3	2.67553	4.04E-305	4.54E-304
Bace1	1.700833	8.80E-307	9.95E-306
Lpcat2	2.401328	1.21E-305	1.36E-304
Cc2d2a	1.83451	1.90E-305	2.13E-304
Zkscan2	2.556772	1.38E-303	1.55E-302
Gm15513	3.288517	1.53E-301	1.70E-300
Ccnq	1.814122	2.18E-304	2.44E-303
R3hdm1	1.283659	2.30E-304	2.58E-303
Cpox	2.060548	1.30E-302	1.44E-301
Gpsm1	1.842279	3.01E-303	3.36E-302
Slc25a22	2.008889	5.94E-303	6.62E-302
Nap1l1	1.114891	4.43E-302	4.93E-301
1190005I0	1.924935	3.11E-301	3.44E-300
Wdr27	2.642842	2.53E-299	2.79E-298
Osbpl8	1.535075	2.04E-300	2.26E-299
Ddx17	1.00005	7.57E-299	8.31E-298
H2bc4	1.024935	8.47E-299	9.29E-298
Rab30	2.432636	1.18E-297	1.29E-296
Ift122	2.353953	3.94E-297	4.30E-296
Faah	3.010526	1.07E-295	1.16E-294
Mbnl1	0.97831	8.29E-298	9.07E-297
Glb1l3	2.782699	2.90E-296	3.15E-295
Dop1a	1.40859	2.57E-296	2.80E-295
Alkbh5	1.156948	9.54E-296	1.04E-294
5033430I1	2.542498	7.18E-293	7.73E-292
Srsf2	0.974603	3.91E-294	4.22E-293
Gm9918	3.015717	4.54E-292	4.87E-291
Amz2	1.646548	1.57E-293	1.70E-292
Magi2	2.185967	1.79E-292	1.92E-291
Hook3	1.04182	6.61E-293	7.12E-292
Bmpr1a	1.519275	6.27E-293	6.77E-292
Srrm2	0.83719	1.98E-292	2.12E-291
Esco1	1.606847	1.84E-292	1.97E-291
Ano2	2.774784	4.37E-291	4.66E-290
Gzmm	2.18202	1.73E-291	1.85E-290
Elmod2	1.82307	6.69E-292	7.16E-291
Hexdc	2.150548	1.74E-290	1.85E-289
Srsf7	1.006126	1.72E-290	1.83E-289
Zfc3h1	1.549894	2.24E-290	2.38E-289
Mpdz	1.42347	3.93E-290	4.17E-289
Zdhhc17	1.561324	2.12E-289	2.25E-288
Armc9	2.606759	1.44E-287	1.51E-286
Ctr9	1.516289	7.41E-289	7.84E-288
Mtif2	1.851707	1.91E-288	2.01E-287
5031425E1	1.383557	7.58E-288	7.98E-287
Gm50240	1.766358	7.28E-287	7.65E-286

Gm38162	2.809426	3.50E-284	3.64E-283
Samd8	1.380031	2.15E-286	2.25E-285
Tmem42	2.220123	2.55E-285	2.66E-284
Clasp1	1.33713	1.82E-285	1.91E-284
Enkd1	2.606717	8.75E-284	9.11E-283
Gm16055	3.844126	1.36E-280	1.40E-279
Gm10097	3.84674	1.51E-280	1.55E-279
Brd8	1.242758	2.74E-284	2.86E-283
Las1l	1.53412	5.51E-284	5.74E-283
Sgcg	2.967693	3.50E-281	3.61E-280
Nedd4l	1.772671	6.59E-283	6.86E-282
Cpsf6	1.24146	9.61E-282	9.94E-281
Ttll11	2.839655	7.49E-280	7.70E-279
Gm44196	3.565098	3.20E-277	3.26E-276
Zscan29	2.249827	8.44E-279	8.64E-278
Gm9752	3.591019	2.60E-276	2.63E-275
Pias3	1.729889	6.83E-279	7.00E-278
Ift74	1.902133	1.54E-278	1.58E-277
Ap3b2	2.3421	3.03E-278	3.09E-277
Tpd52	0.93677	4.23E-278	4.32E-277
Ift80	2.116557	3.72E-277	3.80E-276
Fam184a	2.321374	1.18E-276	1.20E-275
Atp11a	1.392144	4.73E-277	4.82E-276
Phyhipl	2.064249	1.08E-276	1.10E-275
Pstk	1.789608	1.94E-275	1.96E-274
Desi2	1.432572	3.39E-275	3.43E-274
Dpy30	1.293445	9.08E-275	9.18E-274
A930041C	2.850462	5.19E-273	5.21E-272
Chsy1	2.049761	8.52E-274	8.58E-273
Timm44	1.646276	3.18E-274	3.21E-273
Tigar	2.347554	3.30E-273	3.32E-272
Tbc1d8	2.035513	6.20E-274	6.25E-273
Stxbp5l	3.17604	1.69E-271	1.69E-270
Gm49883	2.630373	1.83E-272	1.83E-271
Tia1	1.223543	6.65E-274	6.70E-273
Prkab1	1.752045	1.10E-271	1.10E-270
1110002LC	2.319516	4.99E-271	4.96E-270
Tex9	2.469401	2.57E-270	2.55E-269
Mast2	1.719627	3.15E-271	3.14E-270
Sncb	1.511123	3.03E-271	3.01E-270
Flcn	1.904965	7.89E-271	7.84E-270
Wasf3	1.334379	4.92E-270	4.87E-269
Gdpd1	1.994707	5.68E-269	5.60E-268
Mtftp1	2.493147	1.48E-267	1.46E-266
Fbxl12	1.878016	6.09E-268	5.99E-267
Gbf1	1.365295	1.93E-268	1.90E-267
Fam227a	2.862662	3.87E-266	3.78E-265

Pcf11	1.241759	4.09E-268	4.02E-267
Gjd2	2.381203	5.32E-266	5.19E-265
Ufsp2	1.58295	4.55E-266	4.45E-265
Dync1li1	1.3826	4.83E-266	4.72E-265
Rnpc3	1.575721	9.01E-266	8.79E-265
Lsm14a	1.151932	2.40E-265	2.34E-264
Phax	1.291976	3.46E-265	3.36E-264
Clip4	2.015734	8.05E-265	7.83E-264
Lpin2	1.671765	2.99E-264	2.90E-263
Kif3b	1.673098	3.36E-264	3.25E-263
Kras	1.049205	3.21E-264	3.11E-263
Dnah7b	2.838193	9.11E-263	8.78E-262
Igsf11	2.236356	2.68E-263	2.59E-262
Adal	2.321634	1.99E-262	1.92E-261
Gm43009	2.779179	1.08E-259	1.03E-258
Ncapd3	1.906281	2.67E-260	2.55E-259
Plekha6	2.554671	1.26E-259	1.20E-258
Pde6h	2.10049	5.58E-259	5.31E-258
Snx10	1.315997	2.20E-260	2.11E-259
Ppp2r5c	1.081802	3.17E-260	3.03E-259
Jrkl	2.094183	3.25E-259	3.09E-258
Nrm	2.062143	1.42E-259	1.36E-258
Clstn1	0.934265	4.46E-260	4.26E-259
Mtfr1	1.674748	1.03E-259	9.83E-259
Mdh1	1.014689	1.74E-259	1.66E-258
A930004J1	1.890989	1.36E-258	1.29E-257
Epc1	1.329245	3.73E-259	3.55E-258
Rasgef1b	2.739976	1.53E-257	1.45E-256
Lhfpl4	2.541527	1.22E-257	1.15E-256
1110051N	2.040166	9.09E-258	8.59E-257
1110018N	2.96384	2.70E-256	2.53E-255
1700029JC	2.823018	6.63E-256	6.22E-255
Ppp1cc	1.331589	7.71E-258	7.30E-257
Odc1	1.708355	3.28E-257	3.08E-256
Usp12	1.555817	2.81E-257	2.65E-256
Dusp14	2.779501	4.22E-255	3.95E-254
9330159N	3.016486	5.67E-254	5.28E-253
Gm21846	3.710969	3.47E-252	3.20E-251
Gse1	1.401801	1.63E-254	1.52E-253
Cfap97	1.582057	5.16E-254	4.81E-253
Lym9	2.135786	4.38E-253	4.07E-252
Arfgef1	1.173116	1.26E-253	1.17E-252
Ppp3r1	1.318435	6.22E-253	5.77E-252
Kdm3b	1.595962	1.06E-252	9.79E-252
Tmem106	1.603695	2.11E-252	1.95E-251
Atp2c1	1.107233	2.17E-251	2.00E-250
Map9	2.350651	1.81E-250	1.66E-249

Magef1	1.982632	1.63E-250	1.50E-249
Mapre2	1.333275	5.34E-251	4.90E-250
Tmem167	1.182096	2.40E-250	2.20E-249
Ccdc113	3.19542	3.03E-248	2.76E-247
Apela	3.171225	7.47E-248	6.80E-247
Xkr6	2.691585	3.46E-248	3.15E-247
Usp34	0.977405	1.23E-249	1.12E-248
Cyth2	1.392767	1.62E-249	1.49E-248
Atp6v1b2	1.341086	1.92E-249	1.76E-248
Ro60	1.015038	2.60E-249	2.38E-248
Fam160a1	2.426742	1.74E-248	1.59E-247
Crtc3	1.255092	9.82E-249	8.97E-248
Slc12a6	1.32694	6.81E-247	6.17E-246
Amph	1.915589	2.76E-246	2.49E-245
Gadd45a	1.91309	2.42E-245	2.18E-244
Ccar1	1.110936	5.03E-245	4.52E-244
Kif2a	1.253347	1.34E-244	1.21E-243
Msh3	1.908487	5.26E-244	4.70E-243
Phf14	1.14172	4.61E-244	4.12E-243
Kmt2d	1.303533	2.82E-243	2.52E-242
Arg2	3.082193	1.71E-241	1.52E-240
Pex11a	2.262971	2.80E-242	2.50E-241
Thoc2l	1.174485	6.64E-242	5.90E-241
Gm15872	3.169138	4.69E-240	4.14E-239
Zfp871	1.141906	8.64E-242	7.67E-241
Ccdc66	1.693848	1.79E-241	1.59E-240
Ccnt1	1.224696	2.31E-241	2.05E-240
Ormdl3	1.300161	4.48E-241	3.96E-240
Bbs2	2.015352	1.36E-240	1.20E-239
2810013P	1.380989	6.62E-240	5.84E-239
Marveld3	3.575181	1.95E-237	1.70E-236
Spata7	1.902699	4.62E-239	4.07E-238
Mapk8	1.48961	4.56E-239	4.01E-238
Ptges2	2.054052	1.55E-238	1.36E-237
Prdm9	2.724295	2.05E-237	1.79E-236
Sap30	1.947151	2.99E-238	2.62E-237
Smc5	1.401277	1.72E-238	1.51E-237
Trim17	2.885366	1.28E-236	1.11E-235
Nipbl	0.89594	8.93E-238	7.83E-237
Synrg	1.225994	1.22E-237	1.07E-236
Tmem35a	2.699839	2.91E-236	2.53E-235
Thoc2	1.002528	4.18E-237	3.65E-236
Gigyf2	1.260033	8.33E-237	7.26E-236
Cfap36	1.303309	1.92E-236	1.67E-235
Mex3b	2.219012	8.02E-236	6.96E-235
Ndufaf4	1.516916	2.44E-236	2.12E-235
Gcc2	1.267337	2.26E-236	1.96E-235

ENSMUSG	2.829338	1.50E-234	1.29E-233
Eif2s3y	1.310362	1.28E-235	1.11E-234
Hltf	1.555583	1.65E-235	1.43E-234
Gm49602	1.988463	1.87E-234	1.62E-233
Gm37443	3.919731	1.25E-231	1.06E-230
Arhgap10	1.62495	5.39E-234	4.64E-233
Itsn2	1.043566	1.43E-233	1.23E-232
Adamts3	3.689063	4.27E-231	3.62E-230
Fam229b	2.402648	1.27E-232	1.09E-231
Lekr1	2.680784	1.60E-231	1.36E-230
Fnip1	1.474088	2.26E-232	1.94E-231
Erc2	3.056397	7.79E-231	6.60E-230
Oaz1	0.65994	6.73E-232	5.74E-231
Dnajc28	2.619463	2.65E-231	2.26E-230
B4galt1	1.581098	4.25E-232	3.63E-231
Zfp472	2.215684	2.09E-231	1.77E-230
Plekhn3	1.80638	7.09E-232	6.05E-231
Cep120	1.502894	1.65E-231	1.40E-230
Dusp8	1.433744	2.35E-231	1.99E-230
Prmt7	1.975763	7.15E-231	6.05E-230
Hdc	3.083015	4.87E-229	4.09E-228
Gbp1	1.088065	1.47E-230	1.25E-229
Akap1	1.788621	8.04E-230	6.78E-229
Camk2g	1.494685	5.91E-230	4.99E-229
Ago3	1.455683	6.89E-230	5.81E-229
Bex2	1.681764	1.23E-229	1.04E-228
Kcnc3	2.651323	1.30E-228	1.10E-227
Bbof1	3.2034	1.58E-227	1.32E-226
Raph1	1.235446	2.25E-229	1.90E-228
Egflam	1.476595	3.95E-229	3.33E-228
Zfp81	2.015816	2.10E-228	1.76E-227
Sec14l2	2.699965	6.15E-228	5.14E-227
Gm37941	3.243382	7.06E-227	5.88E-226
Zfp292	1.0382	1.44E-228	1.21E-227
Azi2	1.251512	1.37E-228	1.15E-227
Nufip2	1.122121	1.75E-228	1.47E-227
6820431F2	0.957219	1.66E-227	1.38E-226
Kifap3	1.281368	1.65E-227	1.38E-226
Me2	2.094339	8.48E-227	7.06E-226
Ap1b1	1.606982	1.49E-225	1.24E-224
Map3k12	1.874642	6.81E-225	5.63E-224
Sec22b	1.260507	2.59E-225	2.15E-224
A430105J0	3.185915	4.89E-223	4.01E-222
Gm10419	2.843415	1.53E-223	1.25E-222
Brwd1	1.23461	6.71E-225	5.55E-224
Kank1	1.577534	1.94E-224	1.60E-223
Mgat1	1.392935	2.13E-224	1.76E-223

Acvr2b	1.812241	6.24E-224	5.13E-223
Fam78b	2.461384	2.90E-223	2.38E-222
BC005537	0.944014	8.75E-224	7.18E-223
B230369F	2.86056	2.16E-222	1.76E-221
Rtn1	1.538046	3.28E-223	2.68E-222
Scand1	1.078072	1.47E-222	1.20E-221
Fam107b	1.798722	6.87E-222	5.60E-221
Pcbp3	1.404249	7.00E-221	5.69E-220
Ddx55	1.753394	1.70E-220	1.38E-219
Scarb1	1.06456	1.04E-220	8.49E-220
Ssbp4	0.993493	1.37E-220	1.11E-219
Srek1	1.130012	3.89E-220	3.16E-219
Gm48505	3.524862	5.18E-217	4.17E-216
Mtdh	0.872505	4.76E-219	3.86E-218
Camkk2	1.719152	9.44E-219	7.64E-218
Ncoa1	1.082541	7.71E-219	6.25E-218
Ctxn1	2.844116	2.16E-217	1.75E-216
Tmem170l	1.658305	7.47E-218	6.03E-217
Commd1	1.068805	7.48E-218	6.04E-217
Get4	1.444209	8.46E-217	6.81E-216
Gm14769	3.831403	1.73E-214	1.38E-213
Cep350	1.16639	8.54E-217	6.87E-216
Tapt1	1.543211	1.12E-216	8.99E-216
Kdm5c	1.544041	2.58E-216	2.07E-215
Rnf123	1.705377	1.84E-215	1.48E-214
Gm9895	3.170704	1.99E-213	1.58E-212
Zfp322a	1.429039	4.77E-215	3.82E-214
Dhx36	1.043455	5.95E-215	4.76E-214
Yod1	1.65904	9.57E-215	7.65E-214
R3hdm4	1.348229	8.58E-215	6.87E-214
Acaca	1.78364	3.22E-214	2.57E-213
Tmem9	1.562687	5.94E-214	4.73E-213
Vps37c	1.875724	1.66E-213	1.32E-212
Tra2b	0.927464	1.19E-213	9.49E-213
Tardbp	1.01671	1.34E-213	1.07E-212
Raly	0.923748	1.43E-213	1.14E-212
Arhgap32	1.370877	1.65E-213	1.31E-212
Gm47283	1.347448	2.01E-213	1.60E-212
Pex2	1.526087	2.23E-213	1.77E-212
Gtpbp2	1.376803	7.90E-213	6.26E-212
Hnrnp1	0.949254	1.13E-212	8.97E-212
Rsl1d1	1.209245	3.81E-212	3.01E-211
Plppr4	2.168011	1.71E-211	1.35E-210
Rangap1	1.425697	2.21E-211	1.74E-210
Sephs2	1.904896	6.29E-211	4.95E-210
D630045J1	2.6779	2.62E-210	2.05E-209
Nsun4	2.053413	1.09E-210	8.55E-210

Tctn2	2.545126	3.84E-210	3.00E-209
Pla2g5	1.407421	7.16E-211	5.64E-210
Btrc	1.591567	1.20E-210	9.38E-210
A930005G	1.618443	1.14E-210	8.96E-210
Btbd10	1.61825	2.79E-210	2.18E-209
AW54987	1.407001	2.65E-210	2.07E-209
2300009A	1.269885	2.89E-210	2.26E-209
Ptpn21	1.549627	5.63E-210	4.39E-209
Opn1sw	1.723932	5.46E-209	4.24E-208
P4htm	1.94432	1.50E-209	1.17E-208
Med13	1.051336	9.51E-210	7.41E-209
Asrgl1	1.367345	3.45E-209	2.68E-208
Anapc16	1.036454	1.85E-208	1.44E-207
Got2	1.295195	2.11E-208	1.64E-207
Lrif1	1.382293	2.82E-208	2.18E-207
Cdkl3	2.207679	4.17E-207	3.22E-206
Prkar2a	1.077706	1.25E-207	9.69E-207
Gfpt1	1.391184	2.13E-207	1.65E-206
Exoc3	1.194737	2.56E-207	1.98E-206
Camkk1	2.711528	1.40E-205	1.08E-204
Fryl	0.802323	1.93E-206	1.49E-205
Ubxn4	0.947965	1.74E-206	1.34E-205
Plekha7	2.244315	6.58E-206	5.05E-205
Capn7	1.576056	9.09E-206	6.98E-205
Gm8184	3.81043	1.03E-203	7.84E-203
Map4k3	1.177416	1.43E-205	1.09E-204
Rhbdd3	2.271398	2.36E-203	1.79E-202
Phf21b	2.251239	1.72E-203	1.31E-202
N4bp2l2	0.952306	7.73E-204	5.90E-203
Ash1l	0.812331	1.08E-203	8.19E-203
Btc	3.077546	3.50E-202	2.66E-201
Cnot7	1.305873	4.90E-203	3.73E-202
Clba1	2.493663	2.50E-202	1.90E-201
Epm2aip1	1.278059	6.49E-203	4.93E-202
Zfp207	0.998078	6.94E-203	5.28E-202
Ric1	1.409456	1.38E-202	1.05E-201
Galnt4	2.042343	4.07E-202	3.08E-201
Mreg	3.060757	4.39E-201	3.30E-200
Gmcl1	1.742886	7.29E-202	5.52E-201
Tmem218	1.645658	8.02E-202	6.06E-201
Tmtc3	1.651528	1.41E-201	1.06E-200
Enah	1.17783	1.30E-201	9.86E-201
Ss18l2	1.26261	2.65E-201	2.00E-200
Lmln	2.538691	1.69E-200	1.27E-199
Slc38a3	0.994298	3.91E-201	2.94E-200
Plekha2	1.225673	5.36E-201	4.03E-200
Gm42946	2.903158	9.78E-200	7.29E-199

Srrm1	0.811497	1.68E-200	1.26E-199
Helz	1.073448	1.80E-200	1.34E-199
Mrpl49	1.520522	3.27E-200	2.44E-199
8030462N	1.316596	3.42E-200	2.56E-199
Arntl	1.550567	4.50E-200	3.36E-199
Zswim6	1.484473	7.48E-200	5.58E-199
Grm8	3.478865	9.50E-198	7.01E-197
9330020H	2.121156	5.00E-199	3.72E-198
Wdr35	2.220896	1.30E-198	9.65E-198
Dnajc6	2.331229	2.41E-198	1.79E-197
Plekha2	1.524087	2.17E-198	1.61E-197
Kpna3	1.486029	2.46E-198	1.82E-197
6430571L1	2.902101	3.32E-197	2.44E-196
Mcts2	2.073791	7.65E-198	5.65E-197
BC034090	2.025865	4.73E-198	3.50E-197
Zfp955b	1.651163	5.10E-198	3.77E-197
Dot1l	1.483527	9.65E-198	7.12E-197
Gripap1	1.327635	8.90E-198	6.57E-197
Add1	0.96742	2.11E-197	1.56E-196
Gm49153	2.973169	6.67E-196	4.88E-195
Ncbp3	1.39046	7.31E-197	5.36E-196
U2surp	0.919278	2.24E-196	1.64E-195
Hook2	2.342957	8.95E-195	6.53E-194
Arrdc3	1.632111	1.34E-194	9.77E-194
Trappc9	1.589773	2.47E-194	1.80E-193
Hps3	1.650407	1.00E-193	7.30E-193
Terf1	1.423302	3.07E-193	2.23E-192
Cdc7	2.409984	2.34E-192	1.69E-191
Gm5466	3.878638	5.80E-191	4.17E-190
Ranbp6	1.75554	1.45E-192	1.05E-191
Spg7	1.401859	3.84E-192	2.78E-191
5830408C	2.254458	1.66E-191	1.19E-190
Asxl2	1.217208	4.76E-192	3.44E-191
Ewsr1	0.924167	8.00E-192	5.78E-191
Mtmr1	1.598767	8.70E-192	6.28E-191
Nol11	1.421828	1.37E-191	9.85E-191
Scft1	1.586934	1.71E-191	1.23E-190
Mrpl54	1.245889	9.80E-191	7.04E-190
Pmm1	1.081798	1.97E-190	1.42E-189
Bbs12	2.634879	1.02E-189	7.33E-189
Gm43283	3.526376	6.32E-189	4.51E-188
Slx1b	1.658781	3.80E-190	2.73E-189
Doc2b	2.369056	8.10E-190	5.81E-189
Gpx4	0.691301	1.25E-189	8.97E-189
Col19a1	3.679984	5.74E-188	4.09E-187
Stard10	1.358837	2.94E-189	2.10E-188
Fam89a	2.795205	2.96E-188	2.11E-187

Prpf4b	0.843647	7.89E-189	5.63E-188
Ccser1	2.562278	5.99E-188	4.26E-187
Gnb3	1.508989	2.40E-188	1.71E-187
Sez6l2	2.406599	1.64E-187	1.17E-186
Rhbdd2	1.615847	8.03E-188	5.70E-187
Gnat2	2.200442	8.85E-187	6.26E-186
9930017N	1.918355	2.88E-187	2.04E-186
Akap11	1.018644	5.01E-187	3.55E-186
Ntn3	2.693321	3.78E-186	2.66E-185
Gm26954	3.525896	2.36E-185	1.65E-184
Gm14296	1.983398	2.37E-186	1.67E-185
Pank4	1.960095	2.82E-186	1.99E-185
Braf	1.153877	1.69E-186	1.20E-185
Gm45441	3.190972	5.41E-185	3.78E-184
Pbx1	0.964449	7.12E-186	5.01E-185
Gdap1	2.368879	3.40E-185	2.38E-184
Trps1	1.344136	2.05E-185	1.44E-184
Cpeb3	1.744806	4.61E-185	3.23E-184
Gtf2f2	1.73659	1.38E-184	9.65E-184
Gm43637	3.337467	2.83E-183	1.96E-182
Nae1	1.152913	1.30E-184	9.06E-184
Tsg101	1.086263	1.68E-184	1.17E-183
Zbtb6	1.681376	2.95E-184	2.05E-183
A730020Ei	3.04312	7.99E-183	5.54E-182
Hnrnpr	0.850839	1.09E-183	7.60E-183
2610028D	3.480383	3.58E-182	2.47E-181
Tnrc6c	0.894899	2.70E-183	1.87E-182
Rnf11	0.948364	2.86E-183	1.99E-182
Gm13830	3.331821	5.44E-182	3.75E-181
Tdrkh	2.007904	5.85E-183	4.06E-182
Micu3	1.436622	6.46E-183	4.48E-182
Gchfr	2.781042	6.33E-182	4.37E-181
Kdsr	1.296642	1.82E-182	1.26E-181
Zzz3	1.089279	2.07E-182	1.44E-181
Rnf170	1.578358	3.46E-182	2.39E-181
Mpp7	1.512124	4.20E-182	2.90E-181
Usp10	1.442032	4.26E-182	2.94E-181
Vbp1	1.042181	8.87E-182	6.11E-181
Usp6nl	1.285016	2.24E-181	1.54E-180
Cdc37l1	0.93242	8.25E-181	5.67E-180
Farsa	1.517239	1.12E-180	7.66E-180
Senp2	1.271095	1.31E-180	8.96E-180
Yaf2	1.061081	2.20E-180	1.51E-179
Ormdl1	1.738599	5.13E-180	3.52E-179
Ncl	0.698308	6.41E-180	4.39E-179
BB218582	2.393449	4.08E-179	2.79E-178
Pard6b	2.862742	3.41E-178	2.32E-177

Ext1	1.790231	9.60E-179	6.56E-178
Cdkn2c	1.647862	1.14E-178	7.82E-178
Tmem145	2.285058	2.25E-178	1.53E-177
Arr3	1.919463	5.11E-178	3.48E-177
Gm45200	3.261853	1.80E-176	1.21E-175
Lmo1	1.789752	2.77E-177	1.88E-176
Arxes1	2.348	3.78E-177	2.56E-176
5830448L	2.658562	1.47E-176	9.93E-176
Dhh	2.829829	2.27E-176	1.53E-175
Map10	2.414923	5.95E-177	4.02E-176
Atp5b	0.638553	5.27E-177	3.57E-176
H2ax	1.782022	4.98E-176	3.36E-175
Zfand6	0.852005	5.80E-176	3.90E-175
Gm2011	2.259106	1.79E-175	1.20E-174
Dnajc12	1.434841	6.05E-176	4.07E-175
Emc7	0.844582	6.92E-176	4.65E-175
Zfp800	1.242859	6.85E-176	4.60E-175
Cdk8	1.428049	3.83E-175	2.57E-174
1700096K	1.973289	7.75E-175	5.19E-174
Rbm39	0.601638	1.43E-174	9.55E-174
Fem1c	1.302237	9.78E-175	6.55E-174
Ncoa2	1.255688	1.18E-174	7.89E-174
Ccdc115	1.386241	1.56E-174	1.04E-173
Lrpprc	1.652047	2.86E-174	1.91E-173
Cyb5r1	1.293632	4.67E-174	3.11E-173
Gm37811	3.465334	1.43E-172	9.47E-172
Synj2bp	1.026489	9.03E-174	6.02E-173
Tbc1d30	2.129875	1.90E-173	1.26E-172
BC025920	2.852586	9.65E-173	6.39E-172
Rab3a	1.126358	2.74E-173	1.82E-172
Rnf6	1.066185	3.11E-173	2.07E-172
Kmt5a	1.347075	3.44E-173	2.29E-172
Zrsr1	1.358315	7.38E-173	4.90E-172
Slc4a8	1.723057	6.52E-173	4.33E-172
Slf1	1.626475	6.84E-173	4.54E-172
Cep43	1.931383	9.96E-173	6.60E-172
Ddx1	1.194946	7.83E-173	5.19E-172
Opn1mw	1.982739	4.16E-172	2.75E-171
Ptprn	2.33939	2.06E-172	1.37E-171
Pde8b	1.17972	1.93E-172	1.27E-171
Rnf227	1.732675	4.14E-172	2.73E-171
Alms1	1.935679	9.06E-172	5.98E-171
Sft2d3	1.363752	1.28E-171	8.45E-171
Fndc1	2.317157	3.11E-171	2.05E-170
Zfp398	1.350515	1.40E-171	9.24E-171
Pacrg	3.045039	3.27E-170	2.15E-169
Glt28d2	2.551812	2.08E-170	1.37E-169

Chgb	1.607584	1.22E-170	8.03E-170
Saxo2	2.439963	2.29E-170	1.51E-169
Rbm5	0.849148	1.26E-170	8.31E-170
Ttll3	2.508136	5.45E-170	3.57E-169
AU041133	2.122381	3.83E-170	2.51E-169
Slc29a2	2.670706	6.77E-170	4.43E-169
Erlec1	1.220649	2.35E-170	1.54E-169
Sgtb	1.850593	3.28E-170	2.15E-169
Sdhaf1	1.183742	9.45E-170	6.17E-169
Ptpn2	1.52612	4.98E-169	3.24E-168
Stam2	1.365553	5.24E-169	3.41E-168
Tex261	1.024204	5.80E-169	3.77E-168
Scaf11	0.838889	7.63E-169	4.96E-168
Jchain	3.160001	6.62E-168	4.29E-167
Sbno1	0.910863	1.93E-168	1.25E-167
Pdhb	1.137806	1.92E-168	1.24E-167
Fbxo9	1.091121	2.05E-168	1.33E-167
Gm17057	3.397834	1.16E-166	7.46E-166
Snhg6	1.441453	2.74E-167	1.77E-166
Shroom3	2.365994	6.92E-167	4.47E-166
Ddb1	0.925505	3.02E-167	1.96E-166
ldh1	1.261237	3.04E-167	1.96E-166
Ppp2r5e	1.109411	8.26E-167	5.34E-166
Zfp770	1.670177	1.90E-166	1.22E-165
Bdh1	2.745088	5.77E-166	3.71E-165
Cerk	1.358481	1.99E-166	1.28E-165
Wdcp	1.733387	3.17E-166	2.04E-165
Gm5165	2.122679	5.22E-166	3.36E-165
Lrrc1	1.862111	3.34E-166	2.15E-165
Akap17b	2.059205	9.58E-166	6.14E-165
Arxes2	1.983095	1.05E-165	6.71E-165
Cpsf7	1.189253	7.21E-166	4.63E-165
Zmym5	0.984112	7.69E-166	4.93E-165
Gtf2a1	1.199125	7.99E-166	5.12E-165
Necap1	1.387736	2.36E-165	1.51E-164
Ndufaf5	1.959502	3.73E-165	2.38E-164
Rif1	1.009105	2.71E-165	1.73E-164
Hnrnpc	0.778071	3.01E-165	1.92E-164
Gm47477	3.310428	3.29E-164	2.09E-163
Gm37649	3.969892	3.15E-163	2.00E-162
Fbxo27	2.486234	6.79E-164	4.32E-163
Gm5136	3.727654	1.18E-162	7.47E-162
Gm37376	1.312197	8.36E-164	5.31E-163
Rbm26	1.050827	7.42E-164	4.72E-163
Zfp397	1.195662	7.63E-164	4.85E-163
Rdh11	1.7204	3.07E-163	1.95E-162
D3Erttd751	1.739479	5.89E-163	3.73E-162

Hps4	1.691928	1.63E-162	1.03E-161
Ctcf	0.833169	1.66E-162	1.05E-161
Ctdspl2	1.128448	2.60E-162	1.64E-161
Krit1	0.962724	3.37E-162	2.13E-161
2810029C	2.417862	1.23E-161	7.72E-161
9330162G	1.585193	6.44E-162	4.06E-161
Poc5	1.653601	5.85E-162	3.68E-161
Gm4258	1.485007	6.84E-162	4.30E-161
Polr3k	1.356191	7.98E-162	5.02E-161
Hilpda	1.615348	1.52E-161	9.55E-161
Sltm	0.8932	1.29E-161	8.10E-161
Chrac1	1.054585	1.43E-161	8.95E-161
Meak7	2.375074	1.70E-160	1.07E-159
Lsm4	1.101429	7.50E-161	4.70E-160
Gpr180	1.596753	9.26E-161	5.80E-160
Lrrc73	2.646514	4.52E-160	2.82E-159
Myt1	2.23419	2.11E-160	1.32E-159
Mecp2	0.940372	2.50E-160	1.56E-159
1700030J2	3.09236	1.41E-159	8.77E-159
Vezt	1.388167	2.68E-160	1.67E-159
Araf	1.033311	3.04E-160	1.90E-159
Atp5g1	0.803679	3.61E-160	2.25E-159
Zfp106	0.903242	6.87E-160	4.28E-159
Slc25a37	1.841656	1.05E-159	6.51E-159
4931415C	3.48199	1.02E-158	6.32E-158
Fndc4	1.792837	1.09E-159	6.77E-159
Pde6c	2.66816	8.58E-159	5.30E-158
Nup35	1.612535	4.23E-159	2.62E-158
Gm37079	3.854862	1.49E-157	9.17E-157
Cipc	1.354668	1.07E-158	6.60E-158
Rhpn1	2.65989	3.85E-158	2.37E-157
Ubxn7	1.240814	1.33E-158	8.22E-158
Mier2	2.052863	1.99E-158	1.23E-157
Igsf21	2.071864	4.12E-158	2.54E-157
Lrrc8b	1.201142	2.95E-158	1.82E-157
Tmem266	3.039418	3.58E-157	2.19E-156
Ccpg1os	2.406972	3.79E-157	2.32E-156
Hnrnpm	0.771979	1.77E-157	1.08E-156
Fam126b	1.205668	2.60E-157	1.59E-156
Suz12	0.908808	6.28E-157	3.84E-156
Cyp4f41-p	3.032371	3.44E-156	2.10E-155
Rpl36-ps9	3.393581	1.29E-155	7.86E-155
ENSMUSG	3.364812	9.23E-156	5.62E-155
Kcnq1ot1	1.055992	1.69E-156	1.03E-155
Lypla1	1.127372	3.57E-156	2.18E-155
Tchp	1.915585	9.10E-156	5.54E-155
Atf7ip	0.906372	1.54E-155	9.36E-155

Borcs5	1.902165	2.47E-155	1.50E-154
Atg16l1	1.539498	2.92E-155	1.77E-154
Ttbk2	1.354743	5.31E-155	3.22E-154
5330413P	3.248051	4.34E-154	2.62E-153
Zscan26	1.100188	8.62E-155	5.22E-154
Gpi1	0.737156	1.52E-154	9.18E-154
Zfp131	1.207496	1.26E-154	7.62E-154
9230114K	2.020825	2.87E-154	1.73E-153
Gas8	1.824674	2.81E-154	1.70E-153
4632404H	2.345761	6.36E-154	3.83E-153
Tab3	1.904964	4.34E-154	2.62E-153
Ptbp2	1.186857	1.19E-153	7.17E-153
Camta2	1.440074	1.57E-153	9.45E-153
Ppp1r9a	1.345303	1.44E-153	8.64E-153
Brd3	0.967824	3.93E-153	2.36E-152
Kmt5c	1.855361	7.42E-153	4.46E-152
Ppm1d	1.370432	6.13E-153	3.68E-152
Hsf2	1.60982	1.37E-152	8.24E-152
Tecpr2	1.752245	2.56E-152	1.54E-151
Cep85	1.773455	4.49E-152	2.69E-151
E130308A	1.727928	4.27E-152	2.56E-151
Larp4	1.103162	3.54E-152	2.12E-151
Naaa	1.92982	5.73E-152	3.42E-151
Zfp386	1.401874	6.61E-152	3.94E-151
Srsf10	0.928936	8.49E-152	5.06E-151
Far1	1.089976	8.88E-152	5.29E-151
Gsc2	2.948126	5.69E-151	3.38E-150
Tpgs2	1.352881	1.63E-151	9.68E-151
Pdp2	1.893447	4.94E-151	2.93E-150
Mok	2.43782	7.01E-151	4.16E-150
Cops3	1.126399	4.39E-151	2.61E-150
Prrc2c	0.653288	7.05E-151	4.18E-150
Celsr3	2.474476	2.65E-150	1.57E-149
Ttll5	1.833678	2.08E-150	1.23E-149
Tmem216	1.891787	2.75E-150	1.63E-149
Pter	2.67385	1.05E-149	6.22E-149
Ccdc191	1.879604	5.08E-150	3.00E-149
Rbm7	0.944182	3.03E-150	1.79E-149
Hnrnph1	0.70959	4.38E-150	2.59E-149
Fnbp4	1.20661	4.56E-150	2.70E-149
C1qtnf4	1.415859	4.93E-150	2.91E-149
Trim44	0.920894	1.05E-149	6.21E-149
Lrba	1.151058	1.14E-149	6.71E-149
Hacd3	1.271292	1.22E-149	7.22E-149
Zfp266	1.1193	1.25E-149	7.39E-149
F630040K	2.845058	5.04E-149	2.97E-148
Amn1	1.347791	2.43E-149	1.43E-148

Gm43322	2.6355	7.45E-149	4.37E-148
2900076A	1.948801	4.76E-149	2.80E-148
Meig1	2.769982	1.09E-148	6.39E-148
Dynlt2b	1.4961	4.75E-149	2.80E-148
Gm37935	3.074669	8.65E-148	5.05E-147
Tut4	0.90983	2.55E-148	1.49E-147
Fra10ac1	1.363707	2.92E-148	1.71E-147
Luc7l	1.015885	5.36E-148	3.13E-147
Shoc2	1.027324	5.39E-148	3.15E-147
Gm42716	2.124869	1.23E-147	7.20E-147
Gm44532	3.693216	8.08E-147	4.70E-146
Snx12	1.408899	8.01E-148	4.68E-147
Pdzd2	0.959082	1.03E-147	6.02E-147
Slc9a7	3.367818	2.33E-146	1.35E-145
E530011L2	1.854916	9.30E-147	5.41E-146
Slc22a29	5.250168	2.81E-145	1.62E-144
Gm18194	3.014377	2.71E-146	1.57E-145
Gm40477	2.957196	2.69E-146	1.56E-145
Pcgf6	2.047392	1.40E-146	8.11E-146
Fam104a	0.879171	1.09E-146	6.31E-146
Zbtb37	1.329404	1.19E-146	6.89E-146
Psmc6	0.846976	1.73E-146	1.01E-145
Gon7	1.619403	1.88E-146	1.09E-145
Rpl27a-ps4	2.739842	1.77E-145	1.02E-144
Rufy2	1.412005	4.02E-146	2.32E-145
Dcaf17	1.402716	3.81E-146	2.20E-145
Zer1	1.307735	7.08E-146	4.09E-145
Pgap3	2.444453	4.05E-145	2.33E-144
Gm29170	2.539929	4.87E-145	2.80E-144
Rabgap1l	1.32683	2.35E-145	1.36E-144
Ndufb8	0.736704	2.71E-145	1.56E-144
Gorasp2	1.080977	3.32E-145	1.91E-144
Sod2	0.856632	1.74E-144	9.98E-144
Mtrex	1.221458	1.78E-144	1.02E-143
Nat14	1.572091	2.00E-144	1.14E-143
Tspoap1	2.157368	4.78E-144	2.73E-143
Lman2l	1.370757	4.06E-144	2.33E-143
Lmbr1l	1.709384	5.84E-144	3.34E-143
Trak2	1.058969	5.26E-144	3.01E-143
Btaf1	1.347937	7.22E-144	4.12E-143
Gm37607	2.731438	7.82E-143	4.44E-142
Brwd3	1.460375	2.12E-143	1.21E-142
Spring1	1.77868	4.40E-143	2.50E-142
Ago2	1.028043	8.51E-143	4.83E-142
Dtx3	0.957675	1.33E-142	7.55E-142
Cldn23	3.490242	1.31E-141	7.41E-141
Cabin1	1.291755	2.16E-142	1.22E-141

Riok3	0.975817	3.63E-142	2.06E-141
A930015D	2.136313	1.31E-141	7.40E-141
Col4a3	1.792482	1.88E-141	1.06E-140
Ap5m1	1.397183	1.83E-141	1.03E-140
Rasa2	1.117925	2.01E-141	1.13E-140
Tubgcp4	1.494629	4.81E-141	2.72E-140
Maneal	2.38268	6.34E-141	3.57E-140
D5Ert579	1.059014	4.85E-141	2.73E-140
Snhg12	1.118466	4.89E-141	2.75E-140
6430562O	3.180607	2.84E-140	1.59E-139
Wdr76	1.878634	1.04E-140	5.88E-140
Klhl12	1.559688	1.26E-140	7.07E-140
Gm10138	2.291338	3.77E-140	2.11E-139
H3f3b	0.44993	2.96E-140	1.66E-139
Relch	1.218444	2.10E-140	1.18E-139
Sox12	1.603809	2.59E-140	1.45E-139
Lingo3	2.173871	4.09E-140	2.29E-139
1110038F	1.046703	4.06E-140	2.28E-139
2700033N	2.536317	1.13E-139	6.32E-139
Pik3ca	0.955639	7.22E-140	4.04E-139
Gsk3b	0.65837	9.66E-140	5.40E-139
Dync2i2	2.351745	1.65E-139	9.20E-139
Psmg2	1.3392	3.64E-139	2.03E-138
Rasgef1a	2.016841	1.57E-138	8.71E-138
Srsf4	0.95854	1.14E-138	6.37E-138
Clk4	0.99158	1.35E-138	7.49E-138
Supt7l	1.756026	2.77E-138	1.54E-137
Alkbh1	1.525174	2.83E-138	1.57E-137
Mau2	1.064025	2.55E-138	1.42E-137
Wdr66	3.055176	2.09E-137	1.16E-136
Trim36	2.573726	1.87E-137	1.04E-136
Abhd14a	1.328129	1.52E-137	8.44E-137
Zfp280d	1.012388	3.36E-137	1.85E-136
Igf2bp3	2.281518	1.15E-136	6.34E-136
Dennd6b	1.973571	7.41E-137	4.09E-136
Mettl3	1.636732	7.47E-137	4.12E-136
Khdrbs3	0.874031	1.21E-136	6.69E-136
Gm16104	2.672502	3.00E-136	1.65E-135
Fam122a	1.198113	1.87E-136	1.03E-135
Eef2kmt	1.462652	2.04E-136	1.12E-135
Gm37437	3.463267	1.15E-135	6.31E-135
2700038G	2.304452	5.74E-136	3.15E-135
Ubr3	0.967979	4.88E-136	2.68E-135
Lcor	1.334815	6.02E-136	3.30E-135
E230016M	2.654211	1.85E-135	1.02E-134
Dgkd	1.297218	7.75E-136	4.26E-135
Gckr	2.39758	1.46E-135	8.00E-135

Chfr	1.332901	9.89E-136	5.43E-135
Dnajb2	1.108834	1.21E-135	6.64E-135
Fabp4	2.114579	2.02E-135	1.11E-134
Akap8l	1.021847	1.57E-135	8.60E-135
Ppp3cb	0.94565	5.59E-135	3.05E-134
9530077C	2.596066	4.26E-134	2.32E-133
Cep19	1.459153	2.63E-134	1.43E-133
Zfp605	1.992905	6.29E-134	3.43E-133
Med6	1.308981	8.36E-134	4.55E-133
4931428F	2.522036	2.27E-133	1.23E-132
Cep57l1	1.851231	1.42E-133	7.70E-133
MIlf1	2.33284	2.04E-133	1.10E-132
Gm49405	3.237063	1.55E-132	8.35E-132
Wdfy3	0.902195	6.43E-133	3.48E-132
Stag2	0.849509	9.91E-133	5.36E-132
Ranbp2	0.84475	1.12E-132	6.07E-132
Srsf3	0.601444	1.39E-132	7.53E-132
Akna	1.79474	1.93E-132	1.04E-131
Gm26814	3.058851	8.25E-132	4.44E-131
Gm32442	3.802914	2.01E-131	1.08E-130
Zfp946	1.5966	4.65E-132	2.50E-131
Rabl2	2.174105	6.43E-132	3.46E-131
Sec22c	1.94923	9.37E-132	5.04E-131
Crxos	2.840523	5.94E-131	3.18E-130
Hdac9	1.416242	3.41E-131	1.83E-130
Gm10686	2.942257	1.78E-130	9.50E-130
Lrit3	2.975529	1.95E-130	1.04E-129
Fmr1	0.978182	7.46E-131	4.00E-130
Abhd17b	1.158355	8.38E-131	4.49E-130
Abhd3	2.399839	1.94E-130	1.04E-129
Usp19	0.983892	9.29E-131	4.97E-130
Cdkl2	2.357286	1.94E-130	1.03E-129
Dynlt1a	1.89057	3.33E-130	1.77E-129
Gm48063	3.587674	1.31E-129	6.93E-129
Oard1	1.058738	2.16E-130	1.15E-129
Apex2	2.014132	3.95E-130	2.10E-129
Tasp1	1.939917	3.44E-130	1.83E-129
6030458C	1.479897	3.27E-130	1.74E-129
Zfp428	1.754473	5.52E-130	2.93E-129
Desi1	1.193122	4.70E-130	2.50E-129
Grpel2	1.670572	5.99E-130	3.18E-129
Alpl	0.826182	1.15E-129	6.08E-129
Atxn2	0.956194	9.53E-130	5.06E-129
Sirt3	1.493613	1.23E-129	6.50E-129
Rbm4b	1.18278	1.74E-129	9.21E-129
0610038B	2.772685	4.98E-129	2.63E-128
Khsrp	1.079409	3.62E-129	1.91E-128

Abhd8	1.079739	5.24E-129	2.77E-128
Radil	2.611354	1.45E-128	7.63E-128
6720427I0	1.369532	7.40E-129	3.90E-128
Rragd	1.965221	1.15E-128	6.05E-128
Cdcp3	2.719351	4.47E-128	2.35E-127
Oscp1	2.187573	3.82E-128	2.01E-127
Zcchc8	1.187492	2.87E-128	1.51E-127
Akap6	1.745474	4.08E-128	2.14E-127
Dut	1.140233	6.90E-128	3.62E-127
C430042M	3.256521	3.90E-127	2.04E-126
Pgap1	1.856482	1.38E-127	7.21E-127
Cdkl5	1.781875	1.53E-127	8.01E-127
Slc24a5	1.435776	3.28E-127	1.72E-126
Alg10b	1.145894	3.08E-127	1.61E-126
Hadha	0.905295	5.67E-127	2.96E-126
Pabpn1	1.008228	7.35E-127	3.84E-126
Tsga10	1.804672	9.98E-127	5.21E-126
Chst3	2.082554	1.34E-126	6.97E-126
Gm42447	3.038224	4.63E-126	2.41E-125
Gria2	1.673093	1.83E-126	9.57E-126
1700028E:	3.10722	1.18E-125	6.13E-125
Naa40	1.517127	2.98E-126	1.56E-125
Lcmt2	2.11726	4.64E-126	2.41E-125
Srsf6	0.906488	4.87E-126	2.53E-125
Dek	0.672322	8.66E-126	4.50E-125
Gm14505	3.235396	2.09E-125	1.08E-124
Stk17b	1.32388	1.46E-125	7.55E-125
Zmat1	1.446351	1.78E-125	9.23E-125
Timm9	1.263893	1.80E-125	9.33E-125
Zc3h13	0.847727	2.11E-125	1.09E-124
Azin1	0.990023	2.75E-125	1.42E-124
Gm45828	1.448293	4.40E-125	2.27E-124
Gm44164	1.887463	7.12E-125	3.67E-124
Oxct1	1.020758	5.50E-125	2.84E-124
Akr1e1	1.391839	6.06E-125	3.12E-124
Gm45407	2.52171	1.38E-124	7.11E-124
Usp47	0.89455	7.60E-125	3.91E-124
Nol4l	1.340144	9.24E-125	4.75E-124
Eid2b	1.482479	1.26E-124	6.46E-124
Jkamp	0.978251	1.14E-124	5.88E-124
Zfp952	1.602588	1.96E-124	1.01E-123
Stxbp5	1.219472	2.10E-124	1.08E-123
Swt1	0.928972	3.31E-124	1.70E-123
Tmem229l	1.52723	4.22E-124	2.16E-123
Zfp563	1.885196	6.27E-124	3.20E-123
Cdk13	0.916475	5.33E-124	2.73E-123
Mamld1	1.585287	6.26E-124	3.20E-123

Actl6a	1.032713	5.80E-124	2.97E-123
Dph6	1.344454	6.14E-124	3.14E-123
Ccdc96	3.183166	4.73E-123	2.41E-122
Dmtf1	1.06657	1.96E-123	9.98E-123
Nme5	2.275447	3.08E-123	1.57E-122
Ythdc1	0.717697	2.78E-123	1.42E-122
Edil3	1.777319	2.98E-123	1.52E-122
Cyp2u1	2.012938	3.80E-123	1.94E-122
Zfp37	1.508152	3.72E-123	1.90E-122
Kantr	1.510983	9.76E-123	4.96E-122
Acadm	0.846935	1.08E-122	5.47E-122
Golga4	0.787362	1.11E-122	5.65E-122
Orc4	1.164918	1.06E-122	5.37E-122
Usp29	2.466872	2.60E-122	1.32E-121
Eef1e1	1.468634	1.62E-122	8.21E-122
Etnk1	0.725134	1.72E-122	8.72E-122
Cbx8	1.979508	3.24E-122	1.64E-121
Mast1	2.300499	2.68E-122	1.36E-121
Mob1b	1.096501	2.23E-122	1.13E-121
Spry2	1.223455	2.31E-122	1.17E-121
Pptc7	1.239923	2.75E-122	1.39E-121
Ube3c	1.125756	3.52E-122	1.78E-121
Thoc5	1.503588	4.57E-122	2.31E-121
Samd15	3.119746	2.78E-121	1.40E-120
Ttll1	2.006445	1.10E-121	5.52E-121
Mylip	1.306145	1.01E-121	5.07E-121
Srsf5	0.579918	1.31E-121	6.59E-121
Tmem60	1.169507	3.25E-121	1.63E-120
Gm42585	2.68192	1.34E-120	6.73E-120
Peg13	1.002261	3.92E-121	1.97E-120
Senp7	1.066913	4.48E-121	2.25E-120
Gm47101	3.195101	1.85E-120	9.23E-120
Gm37891	3.28265	1.51E-120	7.57E-120
Lcorl	1.137599	4.96E-121	2.48E-120
Ccdc148	2.463863	1.67E-120	8.33E-120
Rbm33	1.045401	7.93E-121	3.97E-120
Zfp597	1.54226	1.71E-120	8.54E-120
4921531C	2.601467	4.61E-120	2.30E-119
L3hypdh	1.845664	2.54E-120	1.27E-119
2610037D	1.377127	2.25E-120	1.12E-119
Impa1	1.051289	2.19E-120	1.09E-119
Rraga	0.868046	5.84E-120	2.91E-119
Brd3os	2.262226	1.23E-119	6.11E-119
Secisbp2	1.244573	8.01E-120	3.98E-119
Uspl1	1.289395	8.39E-120	4.17E-119
Wdr6	1.222233	9.63E-120	4.78E-119
Stx16	0.985521	1.08E-119	5.35E-119

Tmem260	1.315485	1.36E-119	6.74E-119
Rlf	1.046389	1.54E-119	7.62E-119
Alkbh7	1.295529	2.91E-119	1.44E-118
1500015A	1.963004	4.03E-119	2.00E-118
Leo1	1.267381	2.85E-119	1.41E-118
Zfp638	0.756538	3.51E-119	1.74E-118
Gm49154	3.428545	1.56E-118	7.69E-118
1700081N	3.088583	1.31E-118	6.47E-118
Gm14703	3.466112	2.48E-118	1.22E-117
Rad9b	2.144772	1.05E-118	5.19E-118
Cdh16	2.879985	2.54E-118	1.25E-117
Syncrip	0.827974	1.25E-118	6.15E-118
Rab5if	0.862183	1.23E-118	6.07E-118
Srp54a	1.592288	1.37E-118	6.73E-118
Mga	0.822531	1.51E-118	7.44E-118
Psm9	1.228117	1.70E-118	8.38E-118
3110056K	1.226184	1.75E-118	8.63E-118
Gm49937	3.081156	5.32E-118	2.61E-117
Ppp1r10	1.023288	3.37E-118	1.66E-117
Fn3k	1.980152	4.54E-118	2.23E-117
Set	0.646276	4.10E-118	2.01E-117
Cep89	1.942902	4.89E-118	2.40E-117
Ppm1e	1.684783	4.32E-118	2.12E-117
Lsm12	0.971185	9.88E-118	4.84E-117
Prpsap2	1.364299	1.82E-117	8.90E-117
Bclaf1	0.660114	2.12E-117	1.03E-116
Zmym2	0.986011	1.97E-117	9.65E-117
MIh3	1.408619	2.59E-117	1.26E-116
Iqcg	2.663981	5.77E-117	2.81E-116
Dynlt2a2	1.754725	3.31E-117	1.62E-116
RbmX	1.039768	3.72E-117	1.81E-116
Cfap61	3.563908	1.77E-116	8.61E-116
Pms1	1.889348	5.06E-117	2.46E-116
Tnks2	0.778501	5.84E-117	2.85E-116
Mta2	1.044025	6.21E-117	3.02E-116
Atg4c	1.888246	8.92E-117	4.34E-116
Stk39	1.117399	6.67E-117	3.25E-116
Prr14	1.149583	7.23E-117	3.52E-116
Poldip3	0.992411	7.70E-117	3.74E-116
2410124H	3.55879	5.26E-116	2.55E-115
Eepd1	1.71866	2.10E-116	1.02E-115
Ift88	1.944144	3.00E-116	1.46E-115
1600012H	1.385121	2.64E-116	1.28E-115
Atp7b	3.147321	8.15E-116	3.95E-115
Carmil3	2.575023	6.95E-116	3.37E-115
Mphosph8	0.818853	5.31E-116	2.58E-115
Gm43005	2.793126	1.81E-115	8.75E-115

Rnf181	1.113824	7.85E-116	3.81E-115
Tnrc6a	0.765066	1.04E-115	5.02E-115
Cox5a	0.594059	1.17E-115	5.66E-115
Osbp16	1.72733	1.24E-115	6.01E-115
Arih1	0.89387	1.35E-115	6.53E-115
Zfp24	1.015076	1.42E-115	6.85E-115
Zscan18	2.34382	2.45E-115	1.18E-114
Dcun1d2	1.560091	1.94E-115	9.39E-115
Zfp446	2.027236	2.30E-115	1.11E-114
Mycbp2	0.702397	2.48E-115	1.20E-114
Tspyl4	1.129284	3.02E-115	1.46E-114
C03003412	1.756278	4.58E-115	2.20E-114
Dmxl1	0.904778	4.32E-115	2.08E-114
Gspt1	0.827972	5.45E-115	2.62E-114
Ip6k1	0.873075	6.66E-115	3.20E-114
Tmem243	0.921646	8.90E-115	4.27E-114
Bmt2	1.222856	1.12E-114	5.39E-114
Chga	1.801399	1.68E-114	8.04E-114
Ocr1	1.264811	5.77E-114	2.76E-113
St6galnac5	2.933121	1.98E-113	9.45E-113
4921504A	2.640789	1.53E-113	7.31E-113
Gm45534	2.875316	3.01E-113	1.43E-112
2610301B	1.542587	2.08E-113	9.92E-113
Dhx30	1.024559	2.04E-113	9.74E-113
Aggf1	0.989171	2.27E-113	1.08E-112
Chchd3	0.992418	4.91E-113	2.34E-112
Lrp11	2.34702	7.06E-113	3.36E-112
Ybx1	0.497036	6.79E-113	3.23E-112
Odad4	3.693526	4.56E-112	2.16E-111
Fsbp	3.008463	2.86E-112	1.36E-111
Kif1a	1.016783	1.51E-112	7.17E-112
Mfap3	1.118504	1.64E-112	7.78E-112
Dnttip2	0.874788	2.06E-112	9.77E-112
Rpgrip1l	1.905925	4.20E-112	1.99E-111
Elmod1	1.12469	8.34E-112	3.95E-111
Slc25a29	2.124097	1.26E-111	5.96E-111
Gm43010	2.368367	1.76E-111	8.33E-111
Phospho2	1.399686	1.44E-111	6.80E-111
lqcd	2.703871	4.12E-111	1.94E-110
Gm42841	2.226004	3.53E-111	1.66E-110
Eml1	1.199249	3.38E-111	1.59E-110
Slc9a5	2.429411	5.25E-111	2.47E-110
Rps6kb1	0.876536	4.75E-111	2.24E-110
Hdgfl3	0.905101	5.73E-111	2.70E-110
Ccdc186	0.865361	5.98E-111	2.81E-110
Als2	1.953289	8.27E-111	3.88E-110
Fam216a	1.320321	7.96E-111	3.74E-110

Rnf5	1.026822	8.34E-111	3.92E-110
Dleu7	3.291034	3.77E-110	1.76E-109
Med31	1.015637	1.34E-110	6.28E-110
Gm28578	2.386785	2.63E-110	1.23E-109
Osgep	1.003189	1.81E-110	8.47E-110
Srrm4	1.691001	2.00E-110	9.38E-110
Fbxw9	1.57183	2.46E-110	1.15E-109
Myef2	1.043605	2.30E-110	1.08E-109
Smc3	0.689105	2.55E-110	1.19E-109
Psip1	0.74551	2.75E-110	1.29E-109
Ercc2	1.610702	3.36E-110	1.57E-109
Poc1b	1.47129	3.66E-110	1.71E-109
Zkscan7	1.966827	6.57E-110	3.07E-109
Fam53c	1.290226	7.40E-110	3.45E-109
Mttp	1.778308	9.42E-110	4.39E-109
Aqr	0.99817	7.82E-110	3.65E-109
Bsn	2.305801	1.26E-109	5.89E-109
Trappc8	1.052341	8.80E-110	4.10E-109
Hinfp	1.499	1.01E-109	4.71E-109
Slc25a27	1.375949	1.02E-109	4.76E-109
Arhgap39	1.899355	1.73E-109	8.04E-109
Scg3	1.721549	1.55E-109	7.21E-109
Svop	2.342031	4.47E-109	2.07E-108
A130014A	1.666891	4.06E-109	1.88E-108
Paxbp1	1.173801	3.66E-109	1.70E-108
Jag1	0.866155	5.20E-109	2.41E-108
Gm42444	3.551827	2.09E-108	9.66E-108
Tmem161l	1.503801	5.78E-109	2.68E-108
Pfkl	0.760436	7.80E-109	3.61E-108
Upf2	0.861304	8.38E-109	3.88E-108
Intu	2.337661	1.95E-108	9.03E-108
Cfap20	0.9323	1.27E-108	5.89E-108
Polr3a	1.580859	1.62E-108	7.49E-108
Zfp660	2.050668	2.64E-108	1.22E-107
Zdhhc12	1.513812	3.17E-108	1.46E-107
Mphosph9	1.274818	3.56E-108	1.64E-107
Gm26666	3.168147	1.50E-107	6.88E-107
Smc4	1.098302	5.76E-108	2.65E-107
Hspa14	1.082327	6.54E-108	3.01E-107
Tent4b	1.005339	7.53E-108	3.47E-107
Ccnl2	0.759843	1.16E-107	5.33E-107
Gpatch11	1.088723	1.28E-107	5.86E-107
2700062C	1.621709	1.52E-107	6.98E-107
Gm45132	3.158771	4.30E-107	1.97E-106
Dnajb14	0.889517	1.59E-107	7.27E-107
Dld	0.934272	1.95E-107	8.97E-107
Kdm2a	0.791987	2.31E-107	1.06E-106

27000970	1.652324	3.53E-107	1.62E-106
Med24	1.591816	3.78E-107	1.73E-106
Gtpbp1	1.353733	4.46E-107	2.04E-106
Sfpq	0.609569	7.47E-107	3.41E-106
Senp8	2.429078	1.39E-106	6.35E-106
Fam199x	1.273934	7.75E-107	3.54E-106
Ctsf	1.005986	8.98E-107	4.10E-106
Rbm15	1.16505	1.30E-106	5.95E-106
Tet2	1.006039	1.33E-106	6.06E-106
Rprd1b	0.955175	2.72E-106	1.24E-105
Rab10os	1.236867	3.81E-106	1.73E-105
Cisd2	0.842937	4.09E-106	1.86E-105
Lsm7	1.000368	4.81E-106	2.19E-105
Opa3	1.290165	1.55E-105	7.05E-105
9630010A	1.878786	1.79E-105	8.12E-105
Rtn2	1.619732	2.18E-105	9.86E-105
E4f1	1.334623	2.65E-105	1.20E-104
Soga3	2.101856	6.31E-105	2.85E-104
Fam204a	0.918551	5.47E-105	2.48E-104
Mpdu1	1.184081	6.11E-105	2.76E-104
Zbtb5	1.733047	7.31E-105	3.30E-104
Fam161b	2.449023	1.37E-104	6.18E-104
Lrp4	1.820165	2.46E-104	1.11E-103
Trip11	0.776542	2.49E-104	1.12E-103
Ivd	1.383981	2.54E-104	1.15E-103
Cetn4	1.763511	2.67E-104	1.20E-103
Ofd1	1.525457	2.87E-104	1.29E-103
Zfp846	1.573522	2.98E-104	1.34E-103
Ccdc180	2.618579	4.49E-104	2.02E-103
Gm12346	2.061287	4.60E-104	2.06E-103
Rogdi	1.134565	4.15E-104	1.87E-103
Setd2	0.810862	4.91E-104	2.20E-103
Chaserr	0.815173	9.39E-104	4.20E-103
Gm42943	2.82637	1.83E-103	8.17E-103
Mrpl32	0.995932	1.09E-103	4.86E-103
Pou2f1	0.949965	1.20E-103	5.36E-103
Riox2	1.658947	2.32E-103	1.03E-102
Rsb1	0.83733	2.14E-103	9.57E-103
MLlt6	0.751938	2.26E-103	1.01E-102
Irak1bp1	1.164606	2.62E-103	1.17E-102
Ccna2	2.411002	3.57E-103	1.59E-102
Ate1	0.852926	4.75E-103	2.12E-102
Cul9	1.449845	5.84E-103	2.60E-102
Ppp2r3a	1.02336	8.21E-103	3.65E-102
Nhlrc2	0.996899	9.43E-103	4.20E-102
Ints6	1.084203	9.59E-103	4.26E-102
Hypk	0.915909	1.01E-102	4.50E-102

Gxylt1	1.104266	1.10E-102	4.90E-102
Uhrf2	0.840916	1.27E-102	5.65E-102
Fam160a2	1.3885	2.16E-102	9.60E-102
Glo1	0.567169	2.43E-102	1.08E-101
Irf3	1.012445	2.71E-102	1.20E-101
Phc2	0.840204	3.39E-102	1.50E-101
Snhg1	1.005507	3.50E-102	1.55E-101
Ccdc117	1.203631	4.43E-102	1.96E-101
Bcl7a	1.633995	7.85E-102	3.47E-101
Cnot1	0.883575	8.85E-102	3.91E-101
Rapgef5	0.701401	9.42E-102	4.16E-101
Mrpl15	0.943285	1.62E-101	7.16E-101
Dicer1	0.848192	1.86E-101	8.22E-101
Gm42446	2.983264	3.34E-101	1.47E-100
Knop1	0.875953	2.05E-101	9.03E-101
Stag1	0.733867	2.22E-101	9.76E-101
Chtop	0.791709	2.62E-101	1.15E-100
Aars	1.221169	3.13E-101	1.37E-100
Thap2	1.012843	3.12E-101	1.37E-100
Nr6a1	2.171034	4.85E-101	2.13E-100
Ube2j1	1.084196	3.33E-101	1.46E-100
Iffo1	1.431734	4.10E-101	1.80E-100
Efr3a	0.808099	4.82E-101	2.11E-100
Rtl6	1.888758	7.04E-101	3.09E-100
Krt10	1.194099	1.15E-100	5.02E-100
4930526A	3.657863	4.08E-100	1.79E-99
Gje1	3.069572	4.68E-100	2.05E-99
Gm12689	2.981786	6.75E-100	2.95E-99
Rrnad1	1.311807	4.86E-100	2.13E-99
Pde7a	1.502242	5.23E-100	2.29E-99
Mdm4	0.886044	7.28E-100	3.18E-99
Gnptg	1.127361	1.03E-99	4.48E-99
Hemk1	2.132899	1.48E-99	6.47E-99
Ppil4	0.880601	1.21E-99	5.26E-99
Pigs	1.327387	1.32E-99	5.76E-99
Mdh2	0.64701	1.49E-99	6.50E-99
Ptp4a2	0.559333	1.75E-99	7.61E-99
Ddx46	0.778611	1.71E-99	7.45E-99
Cxadr	1.648362	1.74E-99	7.60E-99
Lgmn	0.935513	2.25E-99	9.78E-99
Rbm48	1.254621	2.75E-99	1.20E-98
Zfp949	1.52611	3.47E-99	1.51E-98
1700088E	2.265103	4.57E-99	1.98E-98
Zgrf1	2.121667	4.53E-99	1.97E-98
Gm42448	3.134575	9.28E-99	4.02E-98
Ccdc39	2.757279	9.99E-99	4.33E-98
Gm45178	2.22679	7.17E-99	3.11E-98

Tmem135	1.308529	6.11E-99	2.65E-98
Gm37219	3.021565	1.19E-98	5.14E-98
Gm43287	4.518008	4.89E-98	2.11E-97
Gm36684	1.958634	1.71E-98	7.38E-98
Nrf1	1.087016	1.45E-98	6.27E-98
2610005LC	1.303253	1.89E-98	8.18E-98
Wasf1	2.100805	2.22E-98	9.59E-98
Apbb1	1.108284	2.13E-98	9.21E-98
Pspc1	1.158445	2.94E-98	1.27E-97
Tmco3	1.134593	2.93E-98	1.26E-97
Rassf8	1.072714	3.09E-98	1.33E-97
Cfap69	2.448971	5.26E-98	2.26E-97
Akap8	0.844449	4.70E-98	2.02E-97
Dnal4	1.304214	5.10E-98	2.20E-97
Gm29560	3.116878	1.41E-97	6.02E-97
Trip12	0.722534	6.51E-98	2.80E-97
Pdik1l	1.259865	6.77E-98	2.91E-97
Chuk	1.067528	8.30E-98	3.56E-97
Fubp1	0.638698	9.23E-98	3.96E-97
Gm16124	1.894755	9.76E-98	4.19E-97
Gm15506	2.191292	1.26E-97	5.42E-97
Tmem67	1.76552	1.09E-97	4.66E-97
Rfx1	1.525871	1.02E-97	4.36E-97
Gm28959	3.626304	3.38E-97	1.44E-96
Pi4k2a	1.24233	1.40E-97	6.00E-97
1500011B	0.991792	1.58E-97	6.75E-97
Phyh	0.944245	2.09E-97	8.92E-97
Nin	0.917466	2.41E-97	1.03E-96
Mllt10	0.806416	2.58E-97	1.10E-96
Zfp442	1.856438	3.78E-97	1.61E-96
Zfp507	1.432356	3.66E-97	1.56E-96
Spryd7	1.388665	3.62E-97	1.54E-96
Sppl2b	1.595042	4.87E-97	2.07E-96
Sirpa	1.28536	5.17E-97	2.20E-96
Nt5c3	1.214243	7.35E-97	3.13E-96
Adam9	1.222482	8.04E-97	3.42E-96
Dtnb	1.4909	9.65E-97	4.10E-96
Prxl2a	1.008387	1.23E-96	5.24E-96
Tcp11	2.344189	2.19E-96	9.30E-96
Wdr5b	1.903527	2.47E-96	1.05E-95
Prepl	1.606263	2.14E-96	9.10E-96
Tmem59l	1.870292	2.60E-96	1.10E-95
Carf	1.502712	2.57E-96	1.09E-95
Paip1	0.83344	2.71E-96	1.15E-95
Zfp60	1.363891	2.65E-96	1.12E-95
Zfp90	1.50326	2.75E-96	1.16E-95
Tbc1d23	0.983091	3.33E-96	1.41E-95

Acbd7	2.478051	5.07E-96	2.14E-95
Vps50	1.404971	4.04E-96	1.71E-95
Rab39b	2.069922	5.45E-96	2.30E-95
Enox1	1.937682	6.17E-96	2.60E-95
Ccdc92	1.854877	9.74E-96	4.11E-95
Chrnbl	1.965721	1.85E-95	7.79E-95
Abhd18	1.414222	1.57E-95	6.60E-95
Nphp4	2.529147	3.16E-95	1.33E-94
Zmym6	1.657215	2.33E-95	9.83E-95
Zranb2	0.664113	2.51E-95	1.05E-94
Brca1	3.172321	7.06E-95	2.96E-94
Phf3	0.705359	3.78E-95	1.59E-94
Arih2	1.150949	3.87E-95	1.63E-94
Brcc3	1.099926	4.03E-95	1.69E-94
Gm44856	4.363697	1.62E-94	6.80E-94
Zfp354a	1.615552	7.24E-95	3.04E-94
Ddit3	0.989544	6.59E-95	2.77E-94
Grin2d	2.678051	1.12E-94	4.69E-94
Rtn4	0.531047	1.83E-94	7.67E-94
Cisd1	0.744175	1.33E-94	5.56E-94
Tpi1	0.568995	2.05E-94	8.58E-94
Ecsit	1.258517	2.59E-94	1.08E-93
Zc2hc1c	2.853973	4.17E-94	1.74E-93
Gm17259	2.327692	3.69E-94	1.54E-93
Ubxn11	2.603295	3.98E-94	1.66E-93
Dym	1.243981	2.71E-94	1.14E-93
Zfp810	1.52456	3.79E-94	1.59E-93
4732440D	1.573443	4.14E-94	1.73E-93
Zfp738	1.312242	3.93E-94	1.64E-93
6430511E	1.920525	5.60E-94	2.33E-93
Taf5	1.419807	4.68E-94	1.95E-93
Pura	0.519935	5.28E-94	2.20E-93
Gm15983	3.308576	1.14E-93	4.74E-93
A930033H	1.680216	5.94E-94	2.47E-93
Nemf	0.773991	6.00E-94	2.50E-93
Rnf113a1	1.956576	7.60E-94	3.16E-93
Erg28	1.051173	8.33E-94	3.47E-93
Gm17491	1.651062	9.89E-94	4.11E-93
Gm11696	2.118798	1.23E-93	5.13E-93
Ndfip1	0.540264	1.38E-93	5.73E-93
Zmym4	0.832741	1.56E-93	6.50E-93
Sdhaf4	0.893116	1.59E-93	6.60E-93
Ogdh	0.734806	1.74E-93	7.23E-93
Polr1has	1.664067	2.27E-93	9.41E-93
Cep44	1.440221	2.21E-93	9.16E-93
Ankrd17	0.707875	3.39E-93	1.40E-92
Cfap410	1.543204	3.61E-93	1.49E-92

Mafg	0.894342	4.13E-93	1.71E-92
Top1	0.60414	5.24E-93	2.17E-92
H2bu2	0.769301	6.22E-93	2.57E-92
Katnal2	3.019035	1.13E-92	4.68E-92
Prpf31	1.111671	9.25E-93	3.82E-92
Strada	1.493744	1.33E-92	5.48E-92
Homer1	1.506562	1.38E-92	5.68E-92
Lrguk	3.107463	2.62E-92	1.08E-91
Ppp4r3a	0.869811	1.44E-92	5.96E-92
Rsb1l	0.654983	1.95E-92	8.03E-92
Unc13a	2.004721	2.47E-92	1.02E-91
Bub1b	2.303548	3.23E-92	1.33E-91
Bcl2	1.24708	3.05E-92	1.26E-91
Fam133b	0.802879	3.60E-92	1.48E-91
Zfp692	1.767456	4.83E-92	1.98E-91
Ube2e3	0.690699	5.51E-92	2.26E-91
Dusp7	0.80664	5.34E-92	2.19E-91
Phf8	1.194926	5.24E-92	2.15E-91
Tubb3	2.298694	1.10E-91	4.52E-91
Tmem184	1.308106	8.21E-92	3.37E-91
Ncbp2	0.984834	8.44E-92	3.46E-91
Gal3st3	2.645815	1.50E-91	6.13E-91
Klc2	1.463148	1.05E-91	4.28E-91
Gm43597	1.960822	1.18E-91	4.81E-91
Ipo8	1.04508	1.12E-91	4.59E-91
Gps2	0.886808	1.35E-91	5.52E-91
Mrpl34	0.86205	2.16E-91	8.84E-91
Gm5460	3.592618	6.69E-91	2.72E-90
Kcnab2	1.455223	2.61E-91	1.06E-90
Vtn	0.64287	8.17E-91	3.33E-90
2610306V	1.52944	5.24E-91	2.14E-90
Rpf1	1.047857	5.58E-91	2.28E-90
Rangrf	1.448733	6.28E-91	2.56E-90
Plp1	2.083477	7.63E-91	3.11E-90
Per3	0.887692	7.62E-91	3.10E-90
Gm4065	3.025688	1.84E-90	7.45E-90
Dcaf8	0.724311	1.27E-90	5.15E-90
Gm32031	1.438513	1.31E-90	5.32E-90
Zfp617	1.324765	1.39E-90	5.66E-90
Limk2	1.1816	1.39E-90	5.67E-90
1810059H	2.005238	2.11E-90	8.55E-90
Smim7	0.848693	1.91E-90	7.75E-90
Cnot3	0.90119	2.01E-90	8.17E-90
1600014C	2.440155	2.84E-90	1.15E-89
4930430F	1.465278	3.58E-90	1.45E-89
1700012D	1.864133	4.11E-90	1.66E-89
Dnal1	1.430435	3.51E-90	1.42E-89

Mfsd8	1.564761	4.28E-90	1.73E-89
Rabl3	1.702266	6.99E-90	2.83E-89
Cfap298	1.053241	6.77E-90	2.73E-89
Hnrnpf	0.510262	8.81E-90	3.56E-89
Naa15	0.837372	1.31E-89	5.31E-89
Gm37742	3.376996	2.46E-89	9.89E-89
Faxc	2.626771	1.75E-89	7.05E-89
Ccdc63	2.613776	2.14E-89	8.62E-89
Dclk1	1.995741	1.61E-89	6.51E-89
Gfm2	1.564308	2.01E-89	8.09E-89
Qrich1	1.000151	1.95E-89	7.84E-89
Dnajc18	1.082712	2.13E-89	8.60E-89
Dhps	0.985151	2.44E-89	9.81E-89
Prrt1	1.543553	2.71E-89	1.09E-88
D830036C	4.783448	1.09E-88	4.35E-88
Gpank1	1.309821	3.95E-89	1.59E-88
Map2k7	1.043171	3.88E-89	1.56E-88
Sap30l	0.77723	4.72E-89	1.90E-88
1700028Kl	3.247849	1.10E-88	4.42E-88
Nfyb	0.878565	5.31E-89	2.13E-88
Slc25a19	1.410098	6.82E-89	2.74E-88
Npc1	1.05554	6.90E-89	2.77E-88
Gngt2	0.991666	8.98E-89	3.60E-88
Mrgbp	1.168151	9.39E-89	3.76E-88
Wbp4	0.670903	1.05E-88	4.20E-88
Hnrnpdl	0.613724	1.14E-88	4.55E-88
Gpsm3	1.157106	1.07E-88	4.29E-88
Mtmr7	1.664975	1.31E-88	5.24E-88
9330151L1	1.997505	1.64E-88	6.56E-88
Gm45413	2.055161	1.73E-88	6.90E-88
Tm7sf3	0.87079	1.57E-88	6.28E-88
Zfp318	0.986505	1.56E-88	6.25E-88
ldh3a	1.013804	1.87E-88	7.47E-88
Tcea3	1.474885	2.35E-88	9.36E-88
Sec61a2	1.308501	3.05E-88	1.22E-87
Fnip2	1.092534	3.23E-88	1.29E-87
1110020A	2.121574	4.44E-88	1.77E-87
Rnf32	2.434691	7.89E-88	3.13E-87
Unc5a	2.766467	8.69E-88	3.45E-87
Tarbp2	1.268152	6.00E-88	2.39E-87
A530041M	2.023431	7.98E-88	3.17E-87
Angel2	0.824816	6.55E-88	2.60E-87
Slc25a35	1.981333	8.47E-88	3.36E-87
Hcls1	1.930963	1.02E-87	4.05E-87
Cldnd1	0.770374	9.59E-88	3.80E-87
Sirt1	1.084401	1.07E-87	4.24E-87
Fbxo36	2.195063	2.13E-87	8.40E-87

6230400D	2.225558	2.27E-87	8.98E-87
Wdr33	0.729619	1.91E-87	7.53E-87
Gm16958	2.913047	3.86E-87	1.52E-86
BC037032	2.571864	3.81E-87	1.50E-86
H2bc6	1.815135	3.34E-87	1.32E-86
Itch	0.744502	3.15E-87	1.24E-86
Zfyve27	1.213101	3.30E-87	1.30E-86
Smg1	0.770996	3.99E-87	1.57E-86
Atp6v0c	0.506798	4.82E-87	1.90E-86
Med25	1.078862	4.93E-87	1.94E-86
Slc25a42	1.579699	5.51E-87	2.17E-86
Traf3ip1	1.466388	5.68E-87	2.24E-86
Nopchap1	1.184156	5.48E-87	2.16E-86
Ivns1abp	0.8055	6.94E-87	2.73E-86
Tmem208	0.817768	8.86E-87	3.49E-86
Cstf2t	1.108514	1.04E-86	4.10E-86
Ifrd1	0.848705	1.07E-86	4.20E-86
Slc25a12	1.094963	1.44E-86	5.66E-86
Nicn1	1.089587	1.45E-86	5.69E-86
Gm26910	2.006354	1.85E-86	7.27E-86
Ggps1	0.833648	2.25E-86	8.81E-86
Mtf1	1.104607	2.30E-86	9.04E-86
Ttc30b	1.931361	2.56E-86	1.00E-85
Itgae	2.945331	4.23E-86	1.65E-85
Acss2	1.573167	2.64E-86	1.04E-85
Ramp3	1.345837	2.83E-86	1.11E-85
Tial1	0.801632	3.45E-86	1.35E-85
Prr3	1.607114	3.97E-86	1.55E-85
Rars2	1.574157	4.02E-86	1.57E-85
Rev1	1.052673	4.04E-86	1.58E-85
Yae1d1	0.901252	4.05E-86	1.59E-85
Bbln	0.933956	4.62E-86	1.80E-85
Nop58	0.945312	5.30E-86	2.07E-85
Siah1a	0.87116	5.44E-86	2.12E-85
Gm37320	2.248229	9.09E-86	3.55E-85
Ptpn4	1.057833	7.21E-86	2.81E-85
Slc16a3	1.682941	8.83E-86	3.45E-85
Chchd7	0.855758	8.60E-86	3.36E-85
Ptdss2	1.232835	8.78E-86	3.43E-85
Gm48069	2.452985	1.52E-85	5.92E-85
Blzf1	1.277964	9.67E-86	3.77E-85
Gm49519	3.349615	2.01E-85	7.80E-85
Ganc	1.219538	1.14E-85	4.45E-85
Rffl	1.538902	1.20E-85	4.66E-85
Zfp369	1.464664	1.23E-85	4.78E-85
Ube4a	0.994434	1.53E-85	5.95E-85
Gm46404	2.088645	2.07E-85	8.05E-85

Dmac2	1.288182	1.77E-85	6.88E-85
Aasdhpt	1.090172	2.09E-85	8.10E-85
Gm48236	3.140932	3.46E-85	1.34E-84
Cnot4	0.760969	2.27E-85	8.82E-85
Cnbd2	2.137478	3.50E-85	1.36E-84
Cpt1a	0.73957	3.47E-85	1.35E-84
Prmt5	1.249296	5.24E-85	2.03E-84
Gm45902	2.086467	7.29E-85	2.82E-84
Cngb3	2.73602	1.10E-84	4.25E-84
Nectin1	1.381048	8.06E-85	3.12E-84
6030443JC	2.937779	1.81E-84	6.99E-84
Cyfp2	1.2773	1.11E-84	4.29E-84
Comtd1	1.356731	1.35E-84	5.22E-84
Gm15850	3.269075	2.63E-84	1.02E-83
Zc3h15	0.701154	1.67E-84	6.46E-84
A130010J1	1.470803	1.75E-84	6.77E-84
Klhl9	0.758965	1.79E-84	6.90E-84
Ccdc59	0.68113	2.32E-84	8.97E-84
Ggct	1.589354	2.40E-84	9.27E-84
Taz	0.909939	2.96E-84	1.14E-83
Slc25a44	1.289009	3.29E-84	1.26E-83
Tlk2	0.90904	3.47E-84	1.33E-83
Trpm7	0.745763	3.55E-84	1.37E-83
Gm47472	3.676029	1.00E-83	3.84E-83
Trmt10a	1.551962	4.63E-84	1.78E-83
Gm48608	3.615422	9.29E-84	3.56E-83
C87436	1.132988	5.11E-84	1.96E-83
Rwdd4a	1.052859	5.63E-84	2.16E-83
Cox10	1.443691	6.58E-84	2.52E-83
Mapk15	3.284781	1.40E-83	5.34E-83
Ndufv3	0.581116	8.89E-84	3.41E-83
Cep135	1.46788	9.27E-84	3.55E-83
Gm12258	1.792884	1.08E-83	4.13E-83
Krr1	0.956977	9.57E-84	3.67E-83
Purg	1.497072	1.13E-83	4.33E-83
Zc3h4	1.037458	1.13E-83	4.33E-83
Dync1i2	0.570122	1.45E-83	5.55E-83
Gm42615	3.777205	3.16E-83	1.20E-82
Gm43857	2.295325	2.11E-83	8.07E-83
Srcap	1.285096	1.92E-83	7.35E-83
Ikzf5	0.883492	2.46E-83	9.37E-83
Dand5	1.324131	2.62E-83	1.00E-82
Xrn1	0.760466	2.74E-83	1.04E-82
Atg4d	1.266271	2.82E-83	1.07E-82
Snrnp27	0.705533	2.97E-83	1.13E-82
2310061I0	1.232684	3.19E-83	1.21E-82
Cct5	0.63853	4.19E-83	1.59E-82

R3hcc1l	1.246448	4.78E-83	1.82E-82
Esrrg	1.910459	5.94E-83	2.26E-82
Cspg5	0.971232	8.58E-83	3.26E-82
Rundc3a	1.389743	1.16E-82	4.42E-82
Rasal2	0.67433	1.46E-82	5.55E-82
Gm48566	3.044351	2.72E-82	1.03E-81
Vps13b	0.996083	2.08E-82	7.88E-82
G730003C	2.284204	2.71E-82	1.03E-81
Mthfsl	1.252987	3.62E-82	1.37E-81
Mier3	1.011763	3.67E-82	1.39E-81
Jagn1	1.055034	4.09E-82	1.55E-81
Cep41	2.057086	5.69E-82	2.15E-81
9430081H	2.326657	6.75E-82	2.55E-81
Flrt3	2.580345	8.77E-82	3.31E-81
Banp	1.152575	7.85E-82	2.97E-81
BC003965	0.904821	7.97E-82	3.01E-81
Tmem38a	1.534524	1.04E-81	3.94E-81
Mrpl41	0.800617	1.14E-81	4.29E-81
Tnip2	1.290109	1.20E-81	4.52E-81
Dera	1.649917	1.32E-81	4.98E-81
Gm42555	3.483961	4.78E-81	1.80E-80
Klhl23	1.061699	2.61E-81	9.82E-81
Naf1	1.128995	4.24E-81	1.60E-80
Chchd4	1.189066	4.99E-81	1.87E-80
Zbtb44	0.870312	5.33E-81	2.00E-80
Zfp458	1.694682	8.25E-81	3.10E-80
Dlg2	1.330354	7.95E-81	2.99E-80
Mterf1a	1.637571	9.55E-81	3.58E-80
Atxn2l	0.851506	9.87E-81	3.71E-80
Tead3	1.891885	1.26E-80	4.74E-80
Gm38032	3.757315	3.10E-80	1.16E-79
1700119H	2.684974	2.25E-80	8.42E-80
Med4	0.879283	1.73E-80	6.50E-80
Gm37902	2.350211	2.66E-80	9.93E-80
Gm48768	2.00368	2.82E-80	1.06E-79
Casc3	0.883978	2.41E-80	9.01E-80
Clock	0.698585	2.73E-80	1.02E-79
Csrp3	3.513938	6.23E-80	2.32E-79
Gm42974	2.893341	5.94E-80	2.22E-79
BC065403	2.97454	7.06E-80	2.63E-79
Snapc3	1.123321	7.35E-80	2.74E-79
Actr6	1.130234	7.65E-80	2.85E-79
Gm26559	3.049177	1.30E-79	4.82E-79
Lym7	1.460483	8.56E-80	3.19E-79
Kpna1	0.904399	8.67E-80	3.23E-79
Gm26621	1.697421	9.25E-80	3.44E-79
Taf3	0.878742	9.40E-80	3.50E-79

1700003E	2.610724	1.21E-79	4.51E-79
Gpam	1.324127	1.01E-79	3.74E-79
Rps6ka2	2.073224	1.18E-79	4.38E-79
Zfp873	1.87597	1.21E-79	4.50E-79
Rnf8	1.047194	1.10E-79	4.08E-79
Tmem251	1.219286	1.23E-79	4.58E-79
Alg11	1.215475	1.64E-79	6.09E-79
Wdr75	1.160053	1.96E-79	7.25E-79
4933406J1	4.318478	5.23E-79	1.93E-78
Ldah	1.070823	3.10E-79	1.15E-78
9930021JC	0.745353	3.50E-79	1.30E-78
Pigt	0.947264	3.98E-79	1.47E-78
Mbd6	0.962811	5.08E-79	1.88E-78
Ccdc89	3.198058	1.02E-78	3.76E-78
Prpf18	1.006734	6.76E-79	2.50E-78
Eno1	0.523991	1.36E-78	5.04E-78
Slc35e4	1.123643	1.07E-78	3.94E-78
Fam193b	0.930222	1.37E-78	5.04E-78
2610044O	1.386301	1.54E-78	5.67E-78
Pithd1	1.047932	1.54E-78	5.67E-78
Ccdc166	1.902924	1.87E-78	6.90E-78
Chd6	0.646246	1.72E-78	6.34E-78
Tug1	0.841087	1.78E-78	6.57E-78
Ttc30a1	2.20099	2.48E-78	9.13E-78
Pgap6	1.833807	2.63E-78	9.69E-78
Ttc26	2.395886	3.25E-78	1.20E-77
Metap1d	1.332598	3.01E-78	1.11E-77
Prdm1	1.362845	3.75E-78	1.38E-77
Tfdp1	1.3256	4.25E-78	1.56E-77
Faap100	1.37784	4.46E-78	1.64E-77
Alyref2	1.564661	5.17E-78	1.90E-77
Zdhhc21	1.106872	5.02E-78	1.84E-77
Pdcd7	1.052238	5.24E-78	1.92E-77
4932422N	2.443898	8.60E-78	3.15E-77
Pigm	1.202227	5.67E-78	2.08E-77
Prkaa2	1.519967	6.47E-78	2.37E-77
Mapk8ip2	1.582727	6.87E-78	2.52E-77
Fbxl15	1.330952	7.70E-78	2.82E-77
Dnajc9	0.96648	8.47E-78	3.10E-77
Rims3	2.006496	1.11E-77	4.07E-77
Mdc1	1.24726	1.14E-77	4.18E-77
Tmed1	1.184177	1.20E-77	4.38E-77
Akt3	0.83283	1.21E-77	4.42E-77
Tbp	1.227352	1.20E-77	4.39E-77
Wac	0.621636	1.90E-77	6.94E-77
Epb41l4ao	0.955264	2.22E-77	8.09E-77
Ogdhl	2.032543	2.67E-77	9.73E-77

Gm49156	2.614651	3.40E-77	1.24E-76
Kif18a	2.313191	3.89E-77	1.41E-76
A430033Kl	1.52585	3.88E-77	1.41E-76
A930024Ei	1.896181	4.08E-77	1.48E-76
Helq	1.791563	4.58E-77	1.67E-76
Apobec2	2.886283	6.34E-77	2.30E-76
Taf15	0.751427	4.65E-77	1.69E-76
Ptpu	1.330987	5.18E-77	1.88E-76
Atp5l	0.580088	5.73E-77	2.08E-76
Suv39h1	1.502589	6.00E-77	2.18E-76
Scap	1.053097	6.65E-77	2.41E-76
Rbm28	0.871769	6.86E-77	2.49E-76
Sdha	0.577545	7.66E-77	2.78E-76
Gm17529	3.55895	1.58E-76	5.69E-76
Slc20a1	1.090703	7.66E-77	2.78E-76
Ptar1	0.855959	8.41E-77	3.05E-76
Lats1	0.918982	1.06E-76	3.82E-76
Bptf	0.517286	1.13E-76	4.10E-76
Zfp157	1.177765	1.16E-76	4.20E-76
Ehbp1	1.336066	1.24E-76	4.50E-76
Ins15	2.929339	1.88E-76	6.78E-76
Trp53inp2	0.8636	1.65E-76	5.95E-76
Klhl28	1.003336	1.89E-76	6.81E-76
Gm42463	3.128435	3.65E-76	1.32E-75
Hif1an	1.107726	2.90E-76	1.05E-75
Pigf	1.203583	3.21E-76	1.16E-75
Nek4	1.321588	3.85E-76	1.39E-75
Sfswap	0.78287	5.07E-76	1.82E-75
Psmc3ip	1.971971	8.03E-76	2.89E-75
Fam120a	0.660766	7.92E-76	2.85E-75
Zfp961	1.529218	8.71E-76	3.13E-75
H2ac6	1.996942	9.19E-76	3.30E-75
Rfx3	1.254547	1.02E-75	3.65E-75
Bicd1	1.210807	1.07E-75	3.82E-75
Pdpc1	0.817727	1.23E-75	4.39E-75
Decr2	1.326088	1.28E-75	4.60E-75
Uqcrc1	0.662151	1.37E-75	4.89E-75
Hnrnpa2b1	0.404065	2.09E-75	7.48E-75
Herc4	0.919071	2.01E-75	7.18E-75
Cops7b	1.402367	2.07E-75	7.40E-75
Gm44812	3.120618	4.82E-75	1.72E-74
Heatr6	1.07057	2.67E-75	9.56E-75
Trmt12	1.653467	3.07E-75	1.10E-74
Otud4	0.809465	3.52E-75	1.26E-74
Rd3l	1.318434	4.21E-75	1.50E-74
Zfp799	1.531814	4.82E-75	1.72E-74
Hpfl	0.710484	4.83E-75	1.72E-74

Zfp641	2.220842	5.99E-75	2.13E-74
Nfrkb	1.067685	5.99E-75	2.13E-74
Tdg	1.166194	6.45E-75	2.30E-74
Zfp763	1.517564	7.03E-75	2.50E-74
Btbd9	0.924297	7.25E-75	2.58E-74
Zswim1	1.534739	1.04E-74	3.68E-74
Rps6kb2	1.159587	1.08E-74	3.85E-74
Mmd2	1.124845	1.09E-74	3.87E-74
Gm43528	3.01694	1.76E-74	6.25E-74
Usp15	0.809682	1.56E-74	5.54E-74
Lysmd3	0.934467	1.72E-74	6.11E-74
Gm42843	1.934333	2.40E-74	8.51E-74
Gm49706	2.163138	2.57E-74	9.10E-74
Dlg1	0.87085	2.54E-74	8.99E-74
Gm37258	2.336582	5.01E-74	1.77E-73
Ccdc157	1.29417	4.19E-74	1.48E-73
Gm15417	1.151871	4.15E-74	1.47E-73
D630023F	2.650935	6.01E-74	2.13E-73
Gm42942	2.947731	7.61E-74	2.69E-73
Psm3	0.519683	5.10E-74	1.81E-73
Zfhx2	1.390633	5.25E-74	1.86E-73
Katnbl1	0.942489	5.69E-74	2.01E-73
Atp5mpl	0.523321	6.86E-74	2.42E-73
Thyn1	1.113854	7.87E-74	2.78E-73
Esf1	0.689189	9.42E-74	3.33E-73
Pbrm1	0.53096	1.14E-73	4.03E-73
Gm47438	2.908403	1.74E-73	6.14E-73
Lsm11	1.496027	1.30E-73	4.58E-73
Gtf3c2	0.829765	1.38E-73	4.87E-73
Tmem231	2.001286	1.92E-73	6.77E-73
Nop56	1.049829	1.80E-73	6.33E-73
Cwc25	0.941128	1.82E-73	6.41E-73
Carmil1	1.154389	1.83E-73	6.42E-73
Rbbp6	0.544506	2.35E-73	8.27E-73
5430405H	1.286604	2.31E-73	8.13E-73
Mir181a-1	2.025153	2.77E-73	9.72E-73
Snrnp48	0.715799	2.87E-73	1.01E-72
Togaram1	0.958028	3.11E-73	1.09E-72
Gm37706	1.628749	3.49E-73	1.22E-72
Bola1	0.981854	3.47E-73	1.22E-72
Cycs	0.676032	3.75E-73	1.31E-72
Uqcc1	1.195829	4.02E-73	1.41E-72
Ndufv1	0.684118	4.15E-73	1.45E-72
Ptpmt1	0.841945	4.18E-73	1.47E-72
Rce1	0.974933	4.46E-73	1.57E-72
Csgalnact2	0.990557	5.44E-73	1.91E-72
Umad1	1.607591	6.74E-73	2.36E-72

Dlat	0.965052	7.10E-73	2.49E-72
Gm37626	1.62419	7.85E-73	2.75E-72
Mars2	1.735673	1.03E-72	3.62E-72
AW20949	1.30128	9.96E-73	3.48E-72
Skp2	1.924026	1.14E-72	3.98E-72
Gkap1	0.690179	1.41E-72	4.93E-72
Usp48	0.862409	1.37E-72	4.80E-72
Ndufs1	0.880756	1.57E-72	5.47E-72
Zfp830	1.057056	1.64E-72	5.73E-72
Cdc34	1.03245	1.77E-72	6.17E-72
Zfp719	1.52013	1.82E-72	6.34E-72
Pigh	1.334046	2.01E-72	7.02E-72
Snx25	1.275521	1.91E-72	6.65E-72
Rabggtb	0.94679	2.13E-72	7.42E-72
Kifbp	0.855946	2.39E-72	8.31E-72
Casp8ap2	0.878698	3.21E-72	1.12E-71
Zfp420	1.613962	5.01E-72	1.74E-71
Gm44567	1.605146	5.18E-72	1.80E-71
Sec24a	1.143911	5.30E-72	1.84E-71
Gm7598	3.093937	8.14E-72	2.83E-71
Gm33843	3.490689	1.00E-71	3.48E-71
Shprh	0.907743	5.78E-72	2.01E-71
Zfp1	1.288371	6.12E-72	2.13E-71
Gm43362	0.966859	6.47E-72	2.25E-71
Aktip	0.72444	6.89E-72	2.39E-71
Wdr70	1.07518	9.77E-72	3.39E-71
Smn1	0.978206	1.08E-71	3.76E-71
Ints2	1.383396	1.19E-71	4.11E-71
Rhbdl3	2.128521	1.36E-71	4.72E-71
Gm9013	3.677092	2.30E-71	7.95E-71
Gm42648	2.688304	2.06E-71	7.14E-71
49334210	1.510988	1.58E-71	5.47E-71
Yeats4	0.848175	1.65E-71	5.70E-71
BC065397	2.019958	2.36E-71	8.16E-71
Tmem17	2.227959	2.47E-71	8.55E-71
Zfp523	1.166804	2.05E-71	7.11E-71
Ppwd1	0.980906	2.07E-71	7.18E-71
Gm16196	2.391637	2.83E-71	9.79E-71
Tacc2	1.072995	2.39E-71	8.26E-71
Bcat1	0.911915	2.65E-71	9.15E-71
Atr	1.163418	2.70E-71	9.34E-71
Adcy6	0.927977	2.82E-71	9.73E-71
Trp53bp1	1.038964	2.92E-71	1.01E-70
Mkks	1.41178	3.70E-71	1.28E-70
MIlf2	0.54763	3.95E-71	1.36E-70
R3hdm2	0.563104	3.90E-71	1.34E-70
Bdp1	0.758805	4.07E-71	1.40E-70

Ssb	0.498694	4.44E-71	1.53E-70
Appl1	0.718148	4.34E-71	1.49E-70
Usp37	1.004696	4.65E-71	1.60E-70
Nup98	0.849484	5.10E-71	1.76E-70
Fto	0.729075	6.43E-71	2.21E-70
Pih1d2	2.3699	7.46E-71	2.57E-70
Gm16754	2.260618	8.63E-71	2.97E-70
Htt	0.939994	8.14E-71	2.80E-70
Rnf126	1.167175	9.42E-71	3.24E-70
Usp49	1.787954	1.14E-70	3.91E-70
Maco1	0.723741	1.07E-70	3.68E-70
Gm37298	1.495862	1.26E-70	4.34E-70
0610030E	0.915205	1.45E-70	4.97E-70
Tgm4	3.158698	2.37E-70	8.10E-70
Ice2	1.317816	1.62E-70	5.56E-70
Sv2c	3.052098	2.42E-70	8.28E-70
Dyrk1a	0.899452	1.81E-70	6.19E-70
Wdr54	1.871689	1.86E-70	6.37E-70
Ezh2	1.141677	1.84E-70	6.31E-70
Slc25a28	0.89889	1.93E-70	6.62E-70
Gga3	1.285925	1.99E-70	6.81E-70
Large1	1.341176	2.02E-70	6.92E-70
Racgap1	2.279529	2.23E-70	7.62E-70
Ccdc127	0.79172	2.21E-70	7.56E-70
Cep162	1.17072	2.24E-70	7.65E-70
Gm49024	2.997964	3.52E-70	1.20E-69
Man1a2	0.686311	2.82E-70	9.65E-70
Pdhx	1.177723	2.85E-70	9.73E-70
Mterf4	1.357197	3.07E-70	1.05E-69
Thnsl1	1.802783	3.83E-70	1.31E-69
Gm43006	2.430116	4.66E-70	1.59E-69
Zfp61	1.553814	4.08E-70	1.39E-69
Narf	0.967143	6.45E-70	2.20E-69
Zfp113	1.379825	7.08E-70	2.41E-69
Zbtb26	1.547974	9.08E-70	3.09E-69
Pikfyve	1.004041	8.61E-70	2.93E-69
MIst8	1.469011	8.90E-70	3.03E-69
Polb	0.80415	8.88E-70	3.02E-69
Dhrs3	0.703902	9.14E-70	3.11E-69
H4c3	2.287131	1.11E-69	3.78E-69
Pcmt1	0.652414	9.52E-70	3.23E-69
Xpo1	0.778372	1.00E-69	3.41E-69
Rdh8	3.460842	1.89E-69	6.39E-69
Abcc1	1.288704	1.15E-69	3.91E-69
Cdk20	1.752233	1.28E-69	4.34E-69
Clk1	0.525502	1.38E-69	4.69E-69
Nsd2	0.862326	1.34E-69	4.56E-69

Ankrd54	1.208792	1.41E-69	4.77E-69
Abraxas1	1.613595	1.66E-69	5.62E-69
Ralgps1	1.216388	1.68E-69	5.70E-69
Pdzd8	0.817613	1.75E-69	5.92E-69
Usp21	1.304373	1.80E-69	6.10E-69
Gm43751	2.576686	3.24E-69	1.09E-68
Dedd2	1.333161	2.69E-69	9.10E-69
Anapc10	0.995336	2.96E-69	1.00E-68
Slc38a6	1.269684	3.04E-69	1.03E-68
Gm29666	2.531137	4.04E-69	1.36E-68
Atp5g3	0.508425	3.80E-69	1.28E-68
Pus3	1.52526	4.15E-69	1.40E-68
4930509H	1.575613	4.42E-69	1.49E-68
2610001A	2.79783	6.72E-69	2.26E-68
Ttf1	1.017904	5.42E-69	1.83E-68
Gtpbp4	0.763625	5.51E-69	1.86E-68
Eid2	0.946934	5.71E-69	1.92E-68
1700018L	2.152892	6.90E-69	2.32E-68
Wdfy2	1.277539	6.25E-69	2.11E-68
Wdr90	1.840049	6.60E-69	2.22E-68
Ccdc77	1.379885	7.66E-69	2.57E-68
Trappc6b	0.583563	8.53E-69	2.87E-68
Gm42514	2.302571	1.07E-68	3.61E-68
Ccdc163	1.474609	1.10E-68	3.70E-68
Snhg15	1.692622	1.72E-68	5.77E-68
Emc8	0.788715	1.73E-68	5.79E-68
4930595L	3.482666	2.98E-68	9.99E-68
Atrip	1.352532	1.96E-68	6.58E-68
Gm43788	1.492238	2.65E-68	8.86E-68
Pik3r1	0.621181	3.08E-68	1.03E-67
Gm16262	3.738921	5.59E-68	1.87E-67
3110021N	1.572551	3.30E-68	1.11E-67
Ppm1h	1.034816	3.27E-68	1.09E-67
Gm16982	3.631625	6.52E-68	2.18E-67
Ckap5	0.646164	4.73E-68	1.58E-67
Ngrn	0.868609	5.03E-68	1.68E-67
Pes1	1.060175	5.81E-68	1.94E-67
Kansl2	0.984257	8.03E-68	2.68E-67
Zbed4	1.60903	9.15E-68	3.05E-67
2810402E	1.391698	1.01E-67	3.37E-67
Pyurf	1.149911	1.13E-67	3.77E-67
Gm47572	3.135746	1.83E-67	6.10E-67
Gm29358	2.415488	1.77E-67	5.88E-67
Gm45159	1.633629	1.50E-67	5.00E-67
Ttc5	0.870404	1.50E-67	5.00E-67
Tex15	2.919434	2.04E-67	6.78E-67
Caprin2	1.907013	1.88E-67	6.26E-67

F8	2.459854	2.28E-67	7.57E-67
A930004D	1.724844	2.30E-67	7.64E-67
Gm49705	2.001805	2.44E-67	8.11E-67
Tob1	0.602372	2.69E-67	8.94E-67
Rbm6	0.714413	3.58E-67	1.19E-66
Sall2	1.28466	3.86E-67	1.28E-66
Rcor3	0.85095	5.35E-67	1.77E-66
Senp5	1.039823	5.95E-67	1.97E-66
Ap3s2	1.088282	6.13E-67	2.03E-66
Gm49640	4.295766	1.17E-66	3.86E-66
Mns1	2.926305	9.88E-67	3.27E-66
Actr3b	2.064281	8.57E-67	2.83E-66
Tcf24	2.1124	1.07E-66	3.53E-66
Tatdn1	1.219429	1.01E-66	3.33E-66
Trub2	1.476064	1.04E-66	3.44E-66
Gm26782	1.166971	1.19E-66	3.91E-66
H2az2	0.473533	1.34E-66	4.43E-66
Faf2	0.809382	1.28E-66	4.21E-66
Fbxl16	1.477618	1.37E-66	4.53E-66
Haus8	1.447897	1.43E-66	4.71E-66
Stk36	2.266401	1.74E-66	5.74E-66
Gm15489	3.55014	3.24E-66	1.07E-65
Selenoi	1.14581	2.38E-66	7.85E-66
Gm36371	2.435211	3.33E-66	1.10E-65
Ttc21b	1.430181	3.09E-66	1.02E-65
A93000711	2.648582	4.21E-66	1.38E-65
Prkab2	1.308491	3.66E-66	1.20E-65
Orai2	2.060689	4.04E-66	1.33E-65
Hnrnpd	0.516692	4.57E-66	1.50E-65
Atxn7l3b	0.452991	4.82E-66	1.58E-65
Spast	0.914215	4.56E-66	1.50E-65
Hagh	0.762997	4.83E-66	1.59E-65
Zc3h3	1.41837	5.61E-66	1.84E-65
Gm38120	1.778057	5.98E-66	1.96E-65
Gm47512	2.274375	8.05E-66	2.64E-65
Get1	1.207536	7.41E-66	2.43E-65
Mktn1	0.786326	7.74E-66	2.54E-65
Spef2	3.202231	1.16E-65	3.80E-65
Tmem181i	1.15188	8.01E-66	2.62E-65
Sema4b	1.957065	9.30E-66	3.04E-65
Ccdc181	1.396379	8.77E-66	2.87E-65
Dcc	2.30074	1.11E-65	3.61E-65
Farp2	1.711794	1.21E-65	3.95E-65
Thoc1	0.83318	1.26E-65	4.12E-65
Ppp6r3	0.664272	1.36E-65	4.45E-65
Dnm1l	0.726385	1.40E-65	4.58E-65
Safb2	0.73776	1.49E-65	4.86E-65

Gm5617	1.100394	1.99E-65	6.47E-65
Sf1	0.628373	2.17E-65	7.07E-65
Ascc1	1.06104	2.16E-65	7.04E-65
Mkrn3	2.175722	2.59E-65	8.43E-65
Gba2	1.551268	2.72E-65	8.84E-65
Zkscan8	1.096078	2.66E-65	8.65E-65
Pibf1	1.02023	2.95E-65	9.60E-65
Bst1	2.573144	4.10E-65	1.33E-64
Pou6f1	1.19633	3.55E-65	1.16E-64
Rpl29-ps2	3.205609	6.86E-65	2.23E-64
Arsg	2.390813	5.67E-65	1.84E-64
Kbtbd3	1.19054	5.72E-65	1.85E-64
Flvcr1	1.4645	7.13E-65	2.31E-64
Ermard	1.383227	7.13E-65	2.31E-64
Gm49336	1.025093	7.03E-65	2.28E-64
Gin1	1.260502	7.37E-65	2.39E-64
Plxnb1	0.968833	8.20E-65	2.66E-64
A930002C	4.342242	2.22E-64	7.18E-64
Wdr77	1.270597	1.24E-64	4.00E-64
Cntrob	2.056755	1.63E-64	5.28E-64
Zfp938	1.070465	1.39E-64	4.48E-64
Unc45a	0.933821	1.62E-64	5.23E-64
Pold3	1.071317	1.98E-64	6.40E-64
Mks1	1.934601	2.64E-64	8.51E-64
Shisa4	0.982147	2.56E-64	8.26E-64
5730455P	0.987614	2.62E-64	8.47E-64
Dync2li1	1.359471	2.73E-64	8.80E-64
Gm43231	2.465374	3.71E-64	1.20E-63
Mrps22	1.294993	3.61E-64	1.16E-63
2900093K	1.305515	4.33E-64	1.39E-63
BC002059	1.459801	4.60E-64	1.48E-63
Armc8	0.831478	4.49E-64	1.45E-63
Map3k13	1.744181	4.63E-64	1.49E-63
Gm43588	2.461635	7.01E-64	2.25E-63
D130007C	2.452097	7.79E-64	2.51E-63
Cdk19	0.611702	7.56E-64	2.43E-63
Rictor	0.605893	8.76E-64	2.82E-63
Slc44a1	0.665166	9.57E-64	3.08E-63
Tyro3	2.13674	1.10E-63	3.55E-63
Tmem199	1.179292	1.16E-63	3.73E-63
Zfp78	1.999031	1.42E-63	4.56E-63
Ggt7	1.579275	1.42E-63	4.55E-63
B9d1	1.363512	1.52E-63	4.86E-63
Gm42801	4.469356	3.28E-63	1.05E-62
Kansl1	0.630276	1.86E-63	5.97E-63
Cenpc1	1.107367	2.12E-63	6.78E-63
Rpl32l	2.050304	2.82E-63	9.03E-63

Zfp62	0.876965	2.71E-63	8.68E-63
Gm43760	4.686633	5.67E-63	1.81E-62
Dennd4a	0.970224	3.29E-63	1.05E-62
Gm9958	2.349512	4.49E-63	1.44E-62
Pan2	1.053273	4.02E-63	1.28E-62
B4galt2	1.426628	4.22E-63	1.35E-62
H3f3a	0.316731	4.71E-63	1.51E-62
Ccnh	0.840722	4.55E-63	1.45E-62
Ist1	0.812525	4.83E-63	1.54E-62
Gm5113	1.785625	5.60E-63	1.79E-62
Baz1b	0.588892	5.52E-63	1.76E-62
D130019J1	1.597256	5.96E-63	1.90E-62
Pomt2	1.2883	6.44E-63	2.05E-62
Cbll1	0.838356	6.49E-63	2.07E-62
Gm16141	3.014134	1.01E-62	3.21E-62
Safb	0.67653	7.03E-63	2.24E-62
Zan	2.701818	9.47E-63	3.02E-62
Ssbp1	0.771664	7.28E-63	2.32E-62
Rmnd5b	0.972844	9.53E-63	3.03E-62
Slx4ip	1.530278	1.18E-62	3.74E-62
Gm48369	2.542532	1.50E-62	4.76E-62
Tuba4a	1.22194	1.43E-62	4.54E-62
Lclat1	1.190237	1.50E-62	4.78E-62
Gm13112	4.198133	2.61E-62	8.27E-62
Yipf5	0.754143	1.57E-62	5.00E-62
Sfi1	1.589825	2.43E-62	7.70E-62
Gm15481	2.414944	4.42E-62	1.40E-61
Smpd1	0.840967	3.36E-62	1.07E-61
H3c15	2.056327	3.75E-62	1.19E-61
Camk1g	3.175468	4.62E-62	1.46E-61
Diablo	0.896322	3.68E-62	1.17E-61
2700049A	1.221879	3.80E-62	1.20E-61
Gm33195	2.066319	4.39E-62	1.39E-61
Ccdc14	1.729836	4.32E-62	1.37E-61
Chd2	0.698628	4.26E-62	1.35E-61
Castor2	1.089014	4.89E-62	1.55E-61
Kmt2e	0.419222	5.49E-62	1.73E-61
A330074K	2.139523	5.81E-62	1.84E-61
Naa20	0.699334	5.99E-62	1.89E-61
2510002D	0.782587	5.96E-62	1.88E-61
Gstcd	1.55579	6.04E-62	1.91E-61
Aloxe3	2.900764	8.11E-62	2.56E-61
Tmem41b	0.959726	6.58E-62	2.08E-61
Gtf3c3	1.086029	6.99E-62	2.20E-61
Snx14	1.024366	9.46E-62	2.98E-61
4930570G	1.858591	9.75E-62	3.07E-61
Scai	0.928505	1.00E-61	3.15E-61

E230001N	2.262091	1.39E-61	4.35E-61
Tasor2	0.886014	1.09E-61	3.44E-61
Zfp866	1.279957	1.11E-61	3.50E-61
Tmsb15b2	2.193612	1.31E-61	4.10E-61
Slc8a3	1.711922	1.31E-61	4.11E-61
Brca2	1.512353	1.44E-61	4.52E-61
Dhx8	0.965865	1.46E-61	4.59E-61
2900022M	1.952167	1.84E-61	5.76E-61
Klhdc2	0.82696	1.75E-61	5.51E-61
Marchf7	0.578342	1.87E-61	5.86E-61
Pcm1	0.538965	2.62E-61	8.23E-61
Prkrip1	0.984285	2.68E-61	8.41E-61
Dyrk1b	1.367724	3.07E-61	9.63E-61
Arv1	2.017613	3.58E-61	1.12E-60
Fktn	0.938442	3.34E-61	1.05E-60
2210408I2	1.662979	3.79E-61	1.18E-60
Letm2	0.976221	4.75E-61	1.49E-60
Tmx2	0.85141	4.77E-61	1.49E-60
Mzf1	2.430118	5.24E-61	1.64E-60
Pwwp2a	0.76682	5.53E-61	1.73E-60
Ufl1	0.729542	5.65E-61	1.76E-60
Al463170	3.190046	8.42E-61	2.63E-60
Rc3h2	0.630609	6.24E-61	1.95E-60
4930405A	2.512688	6.56E-61	2.05E-60
Rab3ip	1.105046	6.39E-61	2.00E-60
Agbl3	1.290333	6.46E-61	2.02E-60
Uap1	0.816348	6.65E-61	2.08E-60
Gm10033	1.072331	6.79E-61	2.12E-60
Dhrs13	2.080349	7.63E-61	2.38E-60
Kif3a	0.952811	9.17E-61	2.86E-60
Lrrc57	1.072041	9.67E-61	3.01E-60
Polr3f	0.948973	1.21E-60	3.75E-60
Dido1	0.735179	1.24E-60	3.87E-60
Mapk9	0.805613	1.28E-60	3.97E-60
Nup155	1.199646	1.28E-60	3.99E-60
Gm28424	2.983116	1.85E-60	5.74E-60
Mktn2os	3.422367	2.04E-60	6.32E-60
Pcgf1	1.440606	1.51E-60	4.70E-60
Ccdc51	1.560445	1.63E-60	5.06E-60
Brd8dc	1.998296	1.72E-60	5.34E-60
Jmjd6	0.737759	1.62E-60	5.04E-60
Ppp1r16a	1.278599	1.97E-60	6.12E-60
Nr2c2	0.769129	1.99E-60	6.19E-60
Mkln1	0.515874	2.06E-60	6.41E-60
Taf7	0.781877	2.14E-60	6.64E-60
lqce	1.45214	2.22E-60	6.89E-60
Ttc9c	1.068063	2.36E-60	7.31E-60

Rnf10	0.530355	2.71E-60	8.41E-60
4930405J1	3.697218	3.81E-60	1.18E-59
D330050I1	1.832046	2.98E-60	9.24E-60
Akirin2	0.66219	2.84E-60	8.81E-60
Gm43696	1.422879	3.59E-60	1.11E-59
Gm49300	3.072667	4.27E-60	1.32E-59
Cand1	0.828891	4.65E-60	1.44E-59
Rny1	2.266086	5.19E-60	1.60E-59
Gm45292	1.826146	5.24E-60	1.62E-59
Tmem214	0.952222	4.78E-60	1.48E-59
Rad51c	1.987999	5.10E-60	1.58E-59
Pum1	0.54821	5.63E-60	1.74E-59
Timm23	0.682652	5.55E-60	1.71E-59
Dnmbp	1.175461	5.61E-60	1.73E-59
Ddx39b	0.58529	6.34E-60	1.95E-59
Amacr	1.412304	7.61E-60	2.35E-59
Ankhd1	0.651255	8.93E-60	2.75E-59
Gm14508	3.611943	1.54E-59	4.73E-59
Pdcl	0.761297	1.04E-59	3.21E-59
Al429214	2.349109	1.18E-59	3.63E-59
Abcf1	0.602227	1.09E-59	3.36E-59
Capn10	1.498745	1.14E-59	3.50E-59
Zfyve26	1.146421	1.16E-59	3.58E-59
Nphp1	1.465677	1.19E-59	3.67E-59
Mbd4	1.485638	1.49E-59	4.57E-59
Cxxc5	0.875012	1.51E-59	4.63E-59
Foxo3	0.851335	1.60E-59	4.90E-59
Zcchc9	0.864014	1.89E-59	5.81E-59
Hsd11	1.014398	2.37E-59	7.28E-59
Exosc2	1.256949	2.58E-59	7.91E-59
Tarsl2	1.411461	2.75E-59	8.41E-59
Txndc16	1.061604	2.69E-59	8.26E-59
Tcerg1	0.711085	2.88E-59	8.82E-59
Taf4	1.091758	2.88E-59	8.82E-59
Rbm12b2	1.276826	2.99E-59	9.14E-59
Gm37397	2.293279	4.32E-59	1.32E-58
Prpf38b	0.583735	4.03E-59	1.23E-58
Zfp120	1.141153	4.86E-59	1.49E-58
Smchd1	0.595719	5.31E-59	1.62E-58
Cdk12	0.608045	6.05E-59	1.85E-58
Zdhhc7	1.100828	6.17E-59	1.88E-58
Ttc4	0.966115	6.20E-59	1.89E-58
Zfyve9	0.746886	7.24E-59	2.21E-58
Cluap1	1.099546	7.13E-59	2.18E-58
Usp16	0.78413	7.25E-59	2.21E-58
A230051N	2.475345	8.73E-59	2.66E-58
Pias4	0.946863	9.58E-59	2.92E-58

Klhdc8b	0.829535	1.01E-58	3.07E-58
Coq7	0.857329	1.02E-58	3.12E-58
Gm43598	2.661532	1.22E-58	3.71E-58
Med14	1.047669	1.19E-58	3.63E-58
Celf6	2.81323	1.54E-58	4.67E-58
Mecr	1.353023	1.35E-58	4.09E-58
Gm37570	2.16752	1.54E-58	4.68E-58
Zbtb11	0.973108	1.51E-58	4.58E-58
Ift22	1.123307	1.71E-58	5.18E-58
Marchf9	1.374034	1.78E-58	5.41E-58
Gm45464	2.109669	2.02E-58	6.12E-58
Gm26801	2.934385	2.75E-58	8.33E-58
Galnt10	0.876793	3.24E-58	9.82E-58
Gm26981	2.291992	3.97E-58	1.20E-57
Bbs10	2.090845	3.75E-58	1.14E-57
Bicral	0.856758	3.48E-58	1.05E-57
Ankrd39	1.224128	3.79E-58	1.15E-57
Kidins220	0.635559	5.53E-58	1.67E-57
Ckb	0.446168	7.91E-58	2.39E-57
Zfp740	0.770656	9.48E-58	2.86E-57
Ccdc138	1.812684	1.13E-57	3.41E-57
Gm38037	3.475457	1.48E-57	4.46E-57
Sms	0.703691	1.29E-57	3.88E-57
Cry1	0.983426	1.28E-57	3.86E-57
Ankra2	0.840966	1.87E-57	5.63E-57
Dnajc11	1.075221	2.14E-57	6.46E-57
Nipsnap1	1.130137	2.21E-57	6.67E-57
Ankrd26	0.996632	2.37E-57	7.15E-57
Gm37534	1.695398	3.87E-57	1.17E-56
Paqr9	1.127691	4.05E-57	1.22E-56
Parp1	0.906945	4.08E-57	1.23E-56
Gm8251	3.168904	6.08E-57	1.83E-56
Sh3yl1	1.591349	4.24E-57	1.27E-56
Gm49338	1.164101	4.50E-57	1.35E-56
Taf1d	0.649464	4.70E-57	1.41E-56
Prnp	0.441538	5.55E-57	1.67E-56
Wwc2	0.472606	5.68E-57	1.71E-56
Gm37677	1.798473	6.28E-57	1.88E-56
Trim67	1.971735	6.57E-57	1.97E-56
Cdc123	0.758342	6.84E-57	2.05E-56
Acad8	1.037954	7.52E-57	2.25E-56
Zfp760	1.151621	7.63E-57	2.29E-56
Pex1	1.318656	8.45E-57	2.53E-56
Crls1	1.097481	8.66E-57	2.60E-56
Pcnx4	1.166423	8.70E-57	2.60E-56
Extl2	1.136579	9.83E-57	2.94E-56
Fmn1	1.335255	9.97E-57	2.98E-56

Ska2	1.054673	1.04E-56	3.12E-56
Fntb	1.305413	1.09E-56	3.26E-56
D730044K	2.591537	1.46E-56	4.37E-56
Ddit4	0.527503	1.23E-56	3.67E-56
Vmp1	0.746494	1.20E-56	3.60E-56
Tsc1	0.993477	1.28E-56	3.83E-56
Cwf19l2	0.656285	1.35E-56	4.03E-56
Gm10657	3.708454	2.04E-56	6.08E-56
Miga1	0.93356	1.56E-56	4.67E-56
Msl2	0.692001	1.70E-56	5.09E-56
Trim26	0.789312	1.71E-56	5.11E-56
Gm38365	1.799124	1.85E-56	5.51E-56
Clp1	1.29476	2.11E-56	6.29E-56
Lin7c	0.615062	2.23E-56	6.65E-56
Gm43858	2.549351	3.83E-56	1.14E-55
Snx27	0.718694	3.72E-56	1.11E-55
Med19	0.679741	3.77E-56	1.12E-55
Zfp691	1.691	3.90E-56	1.16E-55
Pip5k1a	0.783593	3.98E-56	1.19E-55
Tmem267	1.615171	4.18E-56	1.24E-55
Coq10a	1.027551	4.34E-56	1.29E-55
Cacna2d2	1.386463	5.29E-56	1.57E-55
Ufsp1	1.369894	5.67E-56	1.69E-55
Atat1	1.107654	6.26E-56	1.86E-55
BC037704	2.499404	8.39E-56	2.49E-55
Itsn1	0.849023	8.07E-56	2.40E-55
E330034L1	1.50426	8.33E-56	2.47E-55
Fgd1	1.264051	8.53E-56	2.53E-55
Gm35256	4.219093	1.50E-55	4.44E-55
Hibadh	0.656111	1.12E-55	3.31E-55
Med9os	2.022642	1.19E-55	3.52E-55
Fam241b	1.81174	1.24E-55	3.66E-55
Gm45745	3.449112	1.66E-55	4.91E-55
Fam13b	0.890581	1.24E-55	3.67E-55
Zfp607b	1.599524	1.76E-55	5.20E-55
9330121JC	2.830548	2.44E-55	7.20E-55
Klhl29	1.97876	2.34E-55	6.92E-55
Mis12	1.016297	2.29E-55	6.76E-55
Ipo7	0.728953	2.33E-55	6.88E-55
Arid4b	0.523389	2.39E-55	7.05E-55
Trrap	0.677107	2.40E-55	7.10E-55
Zfp882	1.451913	2.67E-55	7.88E-55
Mmd	0.775976	2.64E-55	7.79E-55
6330418Kl	1.48525	2.65E-55	7.82E-55
Kbtbd4	1.175668	2.72E-55	8.02E-55
Ubap1	0.962692	2.93E-55	8.64E-55
Klc4	1.075125	3.19E-55	9.41E-55

Mettl16	0.860477	3.28E-55	9.68E-55
4833439L1	0.62762	3.46E-55	1.02E-54
Ide	0.739803	3.62E-55	1.07E-54
Gm47689	2.413272	4.60E-55	1.35E-54
Klkb1	2.373029	4.37E-55	1.29E-54
Mthfd2	1.803459	4.22E-55	1.24E-54
Zfp566	1.685508	5.05E-55	1.49E-54
Ppp1r12b	0.899301	5.17E-55	1.52E-54
Tmem185i	1.068023	5.17E-55	1.52E-54
Ddx24	0.482225	5.54E-55	1.63E-54
Gm38126	2.436842	9.12E-55	2.68E-54
Gm34220	1.294519	7.57E-55	2.23E-54
Gpr135	2.17178	8.44E-55	2.48E-54
Igf2bp2	2.522443	9.90E-55	2.91E-54
Ypel3	0.495352	9.98E-55	2.93E-54
Dis3l2	1.191777	1.16E-54	3.40E-54
Pdk3	1.375697	1.23E-54	3.61E-54
Gm44883	2.83582	1.47E-54	4.31E-54
Ift57	0.966291	1.34E-54	3.92E-54
Gm14216	2.984553	1.73E-54	5.08E-54
Chac2	1.289275	1.55E-54	4.54E-54
Gm42600	1.969997	1.68E-54	4.92E-54
Zup1	0.856983	1.77E-54	5.19E-54
Abi2	0.690602	2.28E-54	6.67E-54
Tada2a	0.968926	2.45E-54	7.15E-54
Arl16	1.291865	2.58E-54	7.56E-54
Coa7	1.031361	2.76E-54	8.07E-54
Dnajb4	0.768089	2.78E-54	8.11E-54
Acrbp	1.450524	2.91E-54	8.50E-54
Papolb	3.211752	3.98E-54	1.16E-53
Mdn1	1.180984	3.44E-54	1.00E-53
Gm28791	1.536165	3.73E-54	1.09E-53
6720464F2	1.582343	3.87E-54	1.13E-53
Msh2	0.885045	4.00E-54	1.17E-53
Spice1	1.165195	4.07E-54	1.19E-53
Impact	0.765008	4.35E-54	1.27E-53
Gm43582	2.287613	4.87E-54	1.42E-53
Nucb2	0.934049	4.54E-54	1.32E-53
Ube2t	2.722377	6.60E-54	1.92E-53
St3gal1	0.773022	5.62E-54	1.64E-53
Dnah9	3.133634	8.32E-54	2.42E-53
Cplane1	0.897085	6.77E-54	1.97E-53
Asb7	1.109727	6.79E-54	1.98E-53
Pde12	1.14312	7.02E-54	2.04E-53
Phf20l1	0.531651	7.22E-54	2.10E-53
Pop7	0.853737	8.00E-54	2.33E-53
Mrpl57	0.751894	9.50E-54	2.76E-53

Alpk2	3.139962	1.25E-53	3.63E-53
Glcci1	1.47893	1.04E-53	3.03E-53
Pigc	1.096605	1.19E-53	3.47E-53
Chka	0.750494	1.22E-53	3.55E-53
Kcne2	1.739346	1.58E-53	4.58E-53
Ankzf1	1.203131	1.65E-53	4.79E-53
Kdm7a	0.656771	1.68E-53	4.86E-53
Rab43	1.722747	1.77E-53	5.12E-53
Ireb2	0.759611	1.69E-53	4.89E-53
Snhg5	1.142751	1.75E-53	5.07E-53
Eif4e	0.640368	1.81E-53	5.24E-53
Tmem181	1.217937	1.89E-53	5.47E-53
Rbm45	1.592499	2.11E-53	6.09E-53
Gm43032	2.540089	2.35E-53	6.81E-53
Zfp687	1.157371	2.40E-53	6.95E-53
Rbbp5	1.092612	2.51E-53	7.26E-53
Ddx23	0.797339	2.60E-53	7.52E-53
2810021J2	2.024752	2.79E-53	8.05E-53
Kctd15	1.676673	2.64E-53	7.63E-53
Tmem80	0.861422	3.15E-53	9.08E-53
B230354K	1.062881	3.28E-53	9.46E-53
1810044D	1.894367	3.47E-53	1.00E-52
Mapk1ip1	0.892127	3.50E-53	1.01E-52
Adnp	1.301766	3.87E-53	1.12E-52
Map3k2	0.67853	3.88E-53	1.12E-52
Gm43622	2.712432	4.56E-53	1.31E-52
Cc2d1b	1.292118	4.02E-53	1.16E-52
Prok1	3.813417	7.64E-53	2.19E-52
Psmg3	0.961974	5.59E-53	1.61E-52
Prkn	2.22142	6.15E-53	1.77E-52
Acvr2a	1.086777	5.70E-53	1.64E-52
Ank3	0.740957	6.98E-53	2.01E-52
C2cd3	1.04599	7.14E-53	2.05E-52
Arid2	0.657567	8.17E-53	2.35E-52
1700007L1	2.003195	8.75E-53	2.51E-52
Sp6	1.986868	8.84E-53	2.54E-52
Yju2	1.074235	9.67E-53	2.78E-52
Pick1	1.211939	1.04E-52	2.98E-52
Pex3	0.948532	1.08E-52	3.11E-52
2900018N	3.152554	1.47E-52	4.22E-52
Prorsd1	0.892788	1.20E-52	3.44E-52
Polr1c	0.894139	1.31E-52	3.76E-52
Uty	0.929182	1.39E-52	3.97E-52
Cct6a	0.510128	1.50E-52	4.30E-52
Gm48146	1.739432	1.55E-52	4.45E-52
Gm48677	3.031526	2.05E-52	5.87E-52
Lonrf1	1.398869	1.58E-52	4.53E-52

Akap10	1.121707	1.72E-52	4.93E-52
Tsr2	0.977318	1.78E-52	5.10E-52
Gm44136	2.984834	2.26E-52	6.47E-52
9030025P	1.271473	1.84E-52	5.27E-52
Mrpl50	0.815793	2.03E-52	5.79E-52
Spire2	3.001866	2.94E-52	8.37E-52
Ciapi1	0.876137	2.40E-52	6.85E-52
Zfp451	0.725208	2.54E-52	7.25E-52
Cep97	1.178318	2.63E-52	7.49E-52
Gm49741	2.305524	3.19E-52	9.08E-52
Phf12	0.713229	3.13E-52	8.92E-52
Ppp1r7	0.679339	3.27E-52	9.32E-52
Gm44093	2.589094	4.31E-52	1.23E-51
Gm42614	3.929819	5.55E-52	1.58E-51
Gspt2	1.558675	4.14E-52	1.18E-51
Entpd7	1.408977	4.18E-52	1.19E-51
Rab37	2.632779	4.90E-52	1.39E-51
Peli2	0.921961	4.27E-52	1.21E-51
Nrg4	3.860014	6.11E-52	1.73E-51
Nbr1	0.610061	4.68E-52	1.33E-51
Bcdin3d	1.258048	5.91E-52	1.68E-51
Ipo9	0.874912	5.94E-52	1.69E-51
Mettl14	1.096475	6.14E-52	1.74E-51
Trmt11	1.057577	7.71E-52	2.19E-51
Gm2694	2.949836	9.51E-52	2.69E-51
4933413LC	3.968087	1.22E-51	3.46E-51
Selenoo	1.055582	9.21E-52	2.61E-51
Cebpzos	0.658551	1.01E-51	2.86E-51
Gtf2a2	0.571282	1.02E-51	2.87E-51
Gart	1.064788	1.07E-51	3.02E-51
C920006O	2.153675	1.33E-51	3.77E-51
Mrpl9	0.780531	1.20E-51	3.39E-51
Zfp407	0.9611	1.33E-51	3.77E-51
E130102H	0.883251	1.43E-51	4.03E-51
Ppig	0.453896	1.58E-51	4.47E-51
Anks3	0.97229	1.74E-51	4.93E-51
Pdss1	1.894808	1.89E-51	5.34E-51
Borcs8	0.867754	1.81E-51	5.11E-51
A530083I2	2.806231	2.13E-51	6.01E-51
Ankrd27	1.090477	1.97E-51	5.56E-51
Vegfa	0.982177	2.00E-51	5.65E-51
Snw1	0.517568	2.14E-51	6.04E-51
Wdr7	1.114707	2.13E-51	6.01E-51
Sema6c	1.538745	2.63E-51	7.41E-51
Med16	0.938929	2.63E-51	7.39E-51
Blmh	0.726479	2.66E-51	7.48E-51
Gm21781	1.592615	2.70E-51	7.61E-51

1700116B	2.891608	3.51E-51	9.88E-51
Gm48581	3.174563	3.98E-51	1.12E-50
Gm9077	3.329988	4.33E-51	1.22E-50
Dus4l	1.627363	3.73E-51	1.05E-50
Edrf1	1.13226	3.60E-51	1.01E-50
Nr1d2	0.572522	3.68E-51	1.03E-50
Gm37748	3.07179	4.79E-51	1.35E-50
Gm49152	1.547431	4.95E-51	1.39E-50
Ftx	1.487739	5.23E-51	1.47E-50
Acvr1b	1.370642	6.26E-51	1.76E-50
Papola	0.500027	6.62E-51	1.86E-50
Gm45509	2.166692	7.75E-51	2.17E-50
Gm43852	2.4419	7.82E-51	2.19E-50
Mettl6	1.012643	7.76E-51	2.17E-50
Plekhj1	0.633614	7.90E-51	2.21E-50
Mrpl14	0.589868	8.08E-51	2.26E-50
Zbtb4	0.492907	9.88E-51	2.77E-50
Lrrc46	2.688117	1.13E-50	3.16E-50
Mdm2	0.762788	9.92E-51	2.78E-50
Brms1l	0.936878	1.01E-50	2.82E-50
Gm4189	2.30389	1.14E-50	3.19E-50
Msmo1	0.805903	1.15E-50	3.21E-50
2610021A	1.399158	1.34E-50	3.74E-50
9430037G	2.242887	1.50E-50	4.20E-50
Lemd3	0.930119	1.57E-50	4.39E-50
Gm49125	2.269957	1.71E-50	4.79E-50
Wipi2	0.739562	1.64E-50	4.57E-50
Amer1	1.125323	1.66E-50	4.64E-50
Zfp784	1.775554	2.02E-50	5.63E-50
Ube2d-ps	1.07369	1.95E-50	5.44E-50
Apoo	1.025711	2.10E-50	5.86E-50
Bpgm	0.758776	2.26E-50	6.30E-50
Dvl3	0.929108	2.27E-50	6.34E-50
A630052C	1.900047	2.60E-50	7.24E-50
Snx30	1.499679	2.39E-50	6.66E-50
Slc17a3	3.923319	3.91E-50	1.09E-49
Dnaaf8	2.978387	3.75E-50	1.04E-49
Rimbp3	3.605135	4.17E-50	1.16E-49
Hs2st1	0.735927	3.33E-50	9.27E-50
4921515G	2.384861	4.11E-50	1.14E-49
Arfp2	0.924384	3.57E-50	9.94E-50
Mms19	0.941275	5.18E-50	1.44E-49
Fbxl20	0.813062	5.86E-50	1.63E-49
Mfn1	0.825681	6.73E-50	1.87E-49
Ctif	0.97365	7.07E-50	1.96E-49
Ascc3	0.76343	7.72E-50	2.14E-49
Kin	0.781659	8.86E-50	2.46E-49

Tagap1	1.577891	9.18E-50	2.55E-49
Rb1cc1	0.503458	9.51E-50	2.64E-49
Crppa	1.901015	9.81E-50	2.72E-49
Gpr108	0.810849	9.51E-50	2.64E-49
Gm26793	2.813141	1.18E-49	3.27E-49
Chrna5	2.638126	1.48E-49	4.11E-49
Bcl2l13	0.990091	1.44E-49	3.99E-49
Rnf25	1.135596	1.52E-49	4.21E-49
Mre11a	1.191526	1.54E-49	4.26E-49
Supt20	0.661368	1.71E-49	4.74E-49
Rnf145	0.854486	1.81E-49	5.01E-49
Patj	1.859082	1.87E-49	5.18E-49
Xrcc2	1.817154	1.96E-49	5.42E-49
Kansl3	0.660027	2.15E-49	5.94E-49
Arid4a	0.541739	2.21E-49	6.10E-49
Srebf1	0.838512	2.35E-49	6.50E-49
Gtf2e1	1.402611	2.36E-49	6.53E-49
Ube2h	0.580149	2.55E-49	7.04E-49
Clasp2	0.604419	2.70E-49	7.44E-49
2810454H	1.125822	2.91E-49	8.03E-49
2610528A	2.430545	3.19E-49	8.79E-49
Ube2d2a	0.485698	3.29E-49	9.06E-49
Ntrk3	2.29528	3.66E-49	1.01E-48
Terf2ip	0.776233	3.81E-49	1.05E-48
Vdac2	0.410232	4.02E-49	1.11E-48
Gm15607	3.18655	5.29E-49	1.45E-48
Gm5915	2.388261	4.56E-49	1.25E-48
Birc2	0.726538	4.24E-49	1.17E-48
Znhit2	1.124528	4.79E-49	1.32E-48
Atad5	1.417083	4.97E-49	1.37E-48
Rprd1a	0.776462	5.32E-49	1.46E-48
Tmem240	1.419119	5.78E-49	1.59E-48
Donson	1.348682	6.24E-49	1.71E-48
Txndc11	0.923434	6.48E-49	1.78E-48
Slc22a30	3.448758	8.56E-49	2.35E-48
Fastk	0.871854	6.97E-49	1.91E-48
Cdk5rap2	1.044643	7.01E-49	1.92E-48
Coq8b	1.499694	7.43E-49	2.04E-48
Incenp	1.403955	7.35E-49	2.01E-48
Ppm1a	0.494007	7.91E-49	2.17E-48
Tmem116	2.948759	9.97E-49	2.73E-48
Dgkeos	2.84951	9.54E-49	2.61E-48
Sgpp1	0.852574	8.90E-49	2.44E-48
Nrtn	1.887997	9.84E-49	2.69E-48
Sv2a	0.98951	1.02E-48	2.79E-48
Znhit3	0.910127	1.03E-48	2.82E-48
Zcchc18	1.051212	1.08E-48	2.94E-48

Pphln1	0.954881	1.07E-48	2.94E-48
Gm43527	2.824959	1.42E-48	3.86E-48
Jpx	1.442105	1.28E-48	3.50E-48
G3bp2	0.459199	1.30E-48	3.56E-48
Gm47956	3.366163	1.69E-48	4.61E-48
Rbm12	0.965299	1.60E-48	4.36E-48
Lrp2	1.874338	1.89E-48	5.15E-48
2810001G	0.914008	1.83E-48	4.99E-48
2410004B	0.753854	1.84E-48	5.02E-48
Kmt2b	0.723392	1.94E-48	5.29E-48
Cnih1	0.631415	1.98E-48	5.41E-48
Phka2	1.247785	2.09E-48	5.69E-48
Zscan22	1.426557	2.14E-48	5.82E-48
Raf1	0.683998	2.25E-48	6.14E-48
Slc4a1ap	0.847541	2.31E-48	6.29E-48
Mettl1	1.358014	2.58E-48	7.03E-48
Paip2b	0.99377	2.60E-48	7.07E-48
Rnmt	0.876884	2.69E-48	7.31E-48
Ccpg1	0.867333	3.15E-48	8.58E-48
Ppp1r18os	2.666196	3.66E-48	9.95E-48
Eed	0.863479	3.22E-48	8.76E-48
Prps1	0.89371	3.38E-48	9.18E-48
Gm47252	4.892226	5.32E-48	1.44E-47
Pex10	1.359852	3.88E-48	1.05E-47
Gm6658	2.508896	4.29E-48	1.17E-47
Cars	1.082906	3.90E-48	1.06E-47
Ino80d	0.562849	3.99E-48	1.08E-47
Gm30198	2.790093	4.31E-48	1.17E-47
Rab3gap1	0.678255	4.33E-48	1.18E-47
Cdc73	0.589396	4.45E-48	1.21E-47
Nsmce2	0.839076	4.57E-48	1.24E-47
Gm15728	2.880391	5.31E-48	1.44E-47
Paxx	0.764087	4.93E-48	1.34E-47
Rbm27	0.583269	5.10E-48	1.38E-47
Zfp84	0.996499	5.34E-48	1.45E-47
Matr3	0.445167	5.62E-48	1.52E-47
Ptprs	0.687051	5.65E-48	1.53E-47
A930014D	2.950857	6.90E-48	1.87E-47
Trim11	1.026013	5.98E-48	1.62E-47
Mplkip	0.720573	6.03E-48	1.63E-47
Mrpl2	0.773048	7.07E-48	1.91E-47
Celf1	0.481886	9.06E-48	2.45E-47
Cotl1	0.733115	1.03E-47	2.79E-47
Lmn2	1.494787	1.07E-47	2.88E-47
Gpatch2l	1.112675	1.21E-47	3.26E-47
Ring1	0.847899	1.26E-47	3.41E-47
Zfr	0.474102	1.31E-47	3.55E-47

Upf3a	0.6401	1.31E-47	3.53E-47
Mettl25	1.448431	1.33E-47	3.59E-47
A230083N	2.884822	1.58E-47	4.25E-47
Mtr	0.977332	1.47E-47	3.98E-47
Ugdh	0.975751	1.49E-47	4.01E-47
Pals2	0.962849	1.53E-47	4.13E-47
Ccdc174	0.691733	1.62E-47	4.37E-47
Tafa3	1.689176	1.79E-47	4.81E-47
Orc6	0.901342	1.87E-47	5.03E-47
Zfp553	1.077935	1.94E-47	5.23E-47
Uqcrq	0.373536	2.03E-47	5.46E-47
Ddx42	0.562603	2.04E-47	5.49E-47
8030456M	2.408831	2.24E-47	6.03E-47
Zfp112	2.003942	2.82E-47	7.58E-47
Dcaf10	0.910079	2.63E-47	7.08E-47
B3galt6	1.440391	3.04E-47	8.16E-47
Irs2	1.224938	3.09E-47	8.30E-47
Rnft2	1.633794	3.22E-47	8.64E-47
Lrrc24	1.685357	3.31E-47	8.88E-47
Atf2	0.605255	3.71E-47	9.96E-47
D230049E	1.903115	3.91E-47	1.05E-46
Wwp1	0.705548	3.80E-47	1.02E-46
Cse1l	0.82653	4.07E-47	1.09E-46
5330438D	1.298183	4.75E-47	1.27E-46
Zfp937	1.553726	5.13E-47	1.38E-46
Dnaja4	0.960215	5.13E-47	1.38E-46
Dck	1.456026	5.18E-47	1.39E-46
Gm20300	0.982804	6.33E-47	1.70E-46
Thap4	1.16786	6.70E-47	1.79E-46
Cdc23	0.820511	7.02E-47	1.88E-46
Gm27200	4.430655	1.05E-46	2.82E-46
Zfp955a	1.49706	7.87E-47	2.11E-46
Gpn3	0.934032	8.13E-47	2.17E-46
Cryzl1	0.673703	8.70E-47	2.33E-46
Hint3	0.747061	9.20E-47	2.46E-46
Cep95	1.587505	9.64E-47	2.58E-46
Snhg10	1.646521	9.87E-47	2.64E-46
Atad1	0.668326	1.12E-46	2.98E-46
Gm45110	2.186958	1.22E-46	3.24E-46
A130050O	1.466575	1.22E-46	3.25E-46
Inafm2	0.9317	1.21E-46	3.22E-46
Ppp1r13l	2.036092	1.39E-46	3.72E-46
4930551O	4.123848	1.88E-46	5.00E-46
Tctn3	1.61975	1.38E-46	3.69E-46
Orc2	0.88196	1.55E-46	4.12E-46
Zbtb22	0.933269	1.58E-46	4.22E-46
Gm13421	2.69109	1.76E-46	4.69E-46

Alkbh6	0.890702	1.60E-46	4.26E-46
Zfp263	0.928507	1.61E-46	4.28E-46
Ddx20	1.224683	1.80E-46	4.79E-46
Gm37733	1.782845	1.93E-46	5.13E-46
A930023M	2.753922	2.18E-46	5.79E-46
Ccnj	1.621933	2.09E-46	5.55E-46
Rbl2	0.789413	2.10E-46	5.58E-46
Bcor	0.75541	2.21E-46	5.87E-46
Hnrnpul2	0.485368	2.28E-46	6.06E-46
Gtf3c4	1.04815	2.24E-46	5.95E-46
Gm17207	3.371906	3.34E-46	8.88E-46
Fam98b	0.757245	2.64E-46	7.01E-46
Snph	1.849106	3.42E-46	9.07E-46
Cyld	0.724157	3.59E-46	9.53E-46
Srfbp1	1.041513	4.24E-46	1.12E-45
Smad2	0.835071	4.38E-46	1.16E-45
Fbxo8	0.797793	4.59E-46	1.22E-45
Trip4	0.832323	4.64E-46	1.23E-45
Fmc1	0.57882	5.35E-46	1.42E-45
Gm37407	1.594627	5.65E-46	1.50E-45
Mrps33	0.465318	5.90E-46	1.56E-45
Zfp791	2.197045	6.30E-46	1.67E-45
B930059L	2.547875	6.86E-46	1.81E-45
Gm38380	1.621764	6.52E-46	1.72E-45
Dstyk	0.664207	7.08E-46	1.87E-45
Wdr19	1.415323	7.80E-46	2.06E-45
Rbmxl1	0.747317	8.01E-46	2.12E-45
Smyd4	1.176268	8.28E-46	2.19E-45
Zfp688	1.223536	8.52E-46	2.25E-45
Scnm1	0.90387	9.91E-46	2.62E-45
Ecpas	0.615269	1.01E-45	2.67E-45
Dnaaf4	2.756154	1.21E-45	3.18E-45
Eif4g3	0.481686	1.05E-45	2.76E-45
E330037G	1.753015	1.12E-45	2.96E-45
Zfp579	1.219964	1.18E-45	3.12E-45
Gm50010	1.691478	1.38E-45	3.63E-45
Chd8	0.564445	1.86E-45	4.89E-45
Zdhhc16	0.946958	1.87E-45	4.92E-45
6330403K	0.493984	2.03E-45	5.33E-45
Zcchc17	0.556125	2.11E-45	5.55E-45
Sdr39u1	0.996333	2.12E-45	5.56E-45
Qtrt1	1.282912	2.12E-45	5.58E-45
Dmac1	0.732039	2.18E-45	5.74E-45
Slc23a2	0.84069	2.49E-45	6.53E-45
Tmem70	0.868132	2.49E-45	6.53E-45
Snx29	1.381227	2.86E-45	7.49E-45
Mul1	0.980946	3.18E-45	8.34E-45

Pigo	1.571607	3.24E-45	8.49E-45
Mrpl23	1.187168	3.65E-45	9.56E-45
Ddx41	0.911385	3.88E-45	1.02E-44
C230013L	1.938625	4.07E-45	1.07E-44
Gm6169	2.784245	5.11E-45	1.34E-44
Ppcdc	1.128552	4.32E-45	1.13E-44
Ppil2	0.722757	4.74E-45	1.24E-44
Fip1l1	0.554479	4.89E-45	1.28E-44
Mosmo	0.607679	5.34E-45	1.40E-44
Gm38021	1.721908	5.52E-45	1.44E-44
Clcn4	0.590647	7.65E-45	2.00E-44
Mrpl43	0.585003	8.73E-45	2.28E-44
Wdr59	1.125392	1.13E-44	2.96E-44
Ss18l1	1.363822	1.21E-44	3.17E-44
Ylpm1	0.585489	1.29E-44	3.37E-44
Ercc6l2	0.888703	1.32E-44	3.46E-44
Dyrk3	3.076916	1.74E-44	4.53E-44
Firre	0.958194	1.50E-44	3.90E-44
Elp2	0.896503	1.50E-44	3.92E-44
Rspo2	3.652772	2.15E-44	5.61E-44
Faf1	0.803937	1.67E-44	4.37E-44
St13	0.424769	1.79E-44	4.67E-44
Ociad1	0.544726	1.78E-44	4.63E-44
Dis3	1.04408	1.96E-44	5.10E-44
Setd1b	0.606791	2.11E-44	5.50E-44
2810405F	3.305277	2.78E-44	7.23E-44
Vcpip1	0.657186	3.02E-44	7.85E-44
Gm47320	1.99506	3.26E-44	8.47E-44
Gm38387	1.968319	3.28E-44	8.52E-44
Fdxacb1	1.614052	3.22E-44	8.38E-44
Doc2g	2.167738	3.53E-44	9.18E-44
Klhl33	2.725349	3.75E-44	9.73E-44
Gm49759	2.044296	3.93E-44	1.02E-43
Terb1	2.832866	4.11E-44	1.06E-43
Dgcr8	0.947536	3.79E-44	9.82E-44
Gan	1.049621	3.96E-44	1.03E-43
Gm50431	1.488639	4.74E-44	1.23E-43
Apeh	0.960342	4.87E-44	1.26E-43
Dusp5	1.667597	4.93E-44	1.28E-43
Capn15	0.868957	5.28E-44	1.37E-43
Zfp788	0.982698	5.38E-44	1.39E-43
Fbxo45	0.923203	5.41E-44	1.40E-43
Prpf40a	0.473132	6.26E-44	1.62E-43
Gm34655	3.077301	7.08E-44	1.83E-43
Zfp786	2.750339	6.90E-44	1.78E-43
Prss38	3.31249	8.23E-44	2.13E-43
Dpm1	0.651301	7.06E-44	1.82E-43

Neurl4	0.958498	8.19E-44	2.12E-43
Zfp983	1.366599	8.32E-44	2.15E-43
Calcoco1	0.75092	8.58E-44	2.22E-43
Sh2b1	0.856485	8.77E-44	2.26E-43
Akirin1	0.606506	9.01E-44	2.33E-43
Fam135a	0.833296	1.06E-43	2.72E-43
Lig3	1.026348	1.08E-43	2.78E-43
Ranbp3	0.839325	1.08E-43	2.80E-43
Glt8d1	0.862806	1.19E-43	3.07E-43
2610008E:	0.843852	1.22E-43	3.15E-43
Lsm14b	0.897085	1.22E-43	3.15E-43
Gabpb2	0.740588	1.32E-43	3.41E-43
Acbd3	0.553204	1.38E-43	3.55E-43
Mir17hg	1.78858	1.43E-43	3.69E-43
Cyp51	0.962842	1.42E-43	3.66E-43
Ankrd42	2.344306	1.53E-43	3.95E-43
Spire1	0.768625	1.47E-43	3.79E-43
Slc25a11	0.650268	1.79E-43	4.60E-43
Ap2m1	0.438209	1.99E-43	5.13E-43
Gm33497	4.416991	2.83E-43	7.25E-43
Zfp933	1.165355	2.18E-43	5.59E-43
1700040D	2.769177	2.56E-43	6.56E-43
C130071C	0.8986	2.59E-43	6.66E-43
Rragb	1.764293	2.67E-43	6.84E-43
Zfp3	1.800094	2.75E-43	7.06E-43
Gm43689	2.760631	3.06E-43	7.86E-43
1700023H	3.718755	3.60E-43	9.21E-43
Gm44777	1.445115	3.07E-43	7.86E-43
Nat10	1.295007	3.28E-43	8.41E-43
Gemin8	1.481299	3.35E-43	8.57E-43
Snx16	0.990603	3.37E-43	8.63E-43
Gm10353	2.491608	4.16E-43	1.06E-42
Acbd5	0.518939	4.01E-43	1.03E-42
Gm43484	1.73533	4.08E-43	1.04E-42
Htatsf1	0.572709	4.13E-43	1.06E-42
Meaf6	0.766095	4.44E-43	1.13E-42
Fdft1	0.965605	4.53E-43	1.16E-42
Tbpl1	0.796294	4.69E-43	1.20E-42
Scaf8	0.673409	5.18E-43	1.32E-42
Stox2	0.583409	5.39E-43	1.38E-42
Tjp2	0.648833	5.64E-43	1.44E-42
Lig4	1.285538	5.84E-43	1.49E-42
Gm8738	1.861273	6.52E-43	1.66E-42
Mrpl28	0.608049	6.80E-43	1.74E-42
Fbxl19	1.385842	6.91E-43	1.76E-42
Gm48699	2.5237	7.48E-43	1.91E-42
Pno1	1.138462	7.50E-43	1.91E-42

Mtx2	0.762904	8.90E-43	2.27E-42
Herc1	0.474496	9.29E-43	2.37E-42
Ccdc25	0.71951	9.42E-43	2.40E-42
Pcsk4	1.458252	1.31E-42	3.33E-42
Vps18	1.141262	1.53E-42	3.89E-42
Pgrmc2	0.560205	1.58E-42	4.02E-42
Ddx6	0.374087	1.69E-42	4.30E-42
Gm31812	2.931176	1.96E-42	4.99E-42
Gm43288	3.423499	2.05E-42	5.20E-42
Mrpl38	0.794095	1.73E-42	4.41E-42
Smarca5-p	2.314764	1.96E-42	4.97E-42
Rpl21-ps1	3.031858	2.07E-42	5.25E-42
Eri1	1.116834	1.97E-42	5.00E-42
Eif4g2	0.315892	2.42E-42	6.15E-42
Timm22	0.728321	2.44E-42	6.18E-42
Ube2w	0.704822	2.62E-42	6.63E-42
Cfap70	3.705185	3.20E-42	8.10E-42
Gm43488	3.248376	3.10E-42	7.84E-42
Cyrib	0.797584	2.83E-42	7.16E-42
Ube2o	0.880088	3.01E-42	7.62E-42
Sfmbt1	0.987449	3.22E-42	8.16E-42
Mroh1	1.049202	3.24E-42	8.18E-42
Golga1	0.772004	3.33E-42	8.41E-42
Gm45179	1.862162	3.42E-42	8.65E-42
4930465K	4.162649	4.64E-42	1.17E-41
Gm20163	3.144653	4.64E-42	1.17E-41
Tctn1	1.493019	4.10E-42	1.04E-41
Gtpbp3	1.291353	4.32E-42	1.09E-41
Gm12996	2.493207	4.83E-42	1.22E-41
Exo5	1.572437	4.86E-42	1.23E-41
Gm26724	1.10193	4.84E-42	1.22E-41
Sh2d5	1.781442	5.01E-42	1.26E-41
Gm36839	1.895976	5.84E-42	1.47E-41
Cul4a	0.6903	6.05E-42	1.53E-41
Gm3854	2.594204	6.52E-42	1.64E-41
Rbm18	0.70557	6.08E-42	1.53E-41
Ppp6r2	0.797199	6.16E-42	1.55E-41
Smpd3	2.002538	6.44E-42	1.62E-41
Ankrd46	0.654939	6.20E-42	1.56E-41
Ttll4	1.221437	6.67E-42	1.68E-41
Atp13a3	0.593645	7.09E-42	1.78E-41
Cops2	0.633302	7.99E-42	2.01E-41
Dcaf1	0.785692	8.06E-42	2.03E-41
Zbed3	0.827016	8.07E-42	2.03E-41
2010320V	0.896322	8.50E-42	2.13E-41
Dffa	1.125857	8.51E-42	2.14E-41
Gm4924	1.326114	8.66E-42	2.18E-41

4930579K:	1.987589	9.17E-42	2.30E-41
Gpatch2	0.79208	8.75E-42	2.20E-41
Gm5914	1.11093	1.03E-41	2.58E-41
Klhdc1	1.189549	1.05E-41	2.63E-41
Tmem62	1.376719	1.06E-41	2.66E-41
Rab11fip2	0.721953	1.23E-41	3.08E-41
Frat2	1.444071	1.26E-41	3.16E-41
Gm37818	3.00509	1.42E-41	3.55E-41
Fancm	1.510432	1.44E-41	3.61E-41
Aste1	1.224846	1.59E-41	3.98E-41
Tfcp2	0.974155	1.62E-41	4.05E-41
Mtf2	0.650042	1.73E-41	4.33E-41
Ddb2	1.289493	1.75E-41	4.39E-41
Gm3625	1.676521	1.90E-41	4.77E-41
Gm37215	1.926744	1.93E-41	4.82E-41
Auh	0.776828	1.92E-41	4.81E-41
Ccnk	0.797895	1.92E-41	4.80E-41
Frat1	1.678229	1.97E-41	4.93E-41
Zfp729a	1.018831	2.16E-41	5.39E-41
Morc3	0.755135	2.17E-41	5.43E-41
Gm43273	3.580108	2.65E-41	6.62E-41
Gm17066	1.132007	2.31E-41	5.78E-41
Dolk	1.003118	2.51E-41	6.26E-41
Mbip	0.879397	2.63E-41	6.56E-41
Gt(ROSA)2	0.606559	2.88E-41	7.20E-41
Tdp2	0.872565	2.89E-41	7.21E-41
Mtg2	0.991	2.96E-41	7.38E-41
Zfp606	0.928936	3.16E-41	7.88E-41
Pgam5	1.100183	3.44E-41	8.59E-41
Lrrcc1	0.759406	3.61E-41	9.00E-41
Mettl17	1.199026	3.83E-41	9.54E-41
Mia2	0.619391	4.01E-41	9.98E-41
Gm37931	2.596845	4.51E-41	1.12E-40
Gm37802	2.753301	4.83E-41	1.20E-40
Zfp869	0.727836	4.52E-41	1.13E-40
Fbxo33	0.815471	4.55E-41	1.13E-40
Gm36955	2.264701	5.00E-41	1.24E-40
5730480H	1.050087	4.71E-41	1.17E-40
Snx32	1.03218	5.59E-41	1.39E-40
Cbx3	0.393217	5.79E-41	1.44E-40
Blcap	0.851605	7.48E-41	1.86E-40
Slc7a6	1.632062	7.69E-41	1.91E-40
Gm43980	1.843478	8.11E-41	2.01E-40
Cacfd1	0.819073	7.72E-41	1.92E-40
Coil	1.247741	7.96E-41	1.98E-40
Gm33366	1.94493	8.36E-41	2.08E-40
Tmem38b	0.907539	8.14E-41	2.02E-40

Riok2	0.915974	8.44E-41	2.09E-40
Fdxr	1.192915	9.63E-41	2.39E-40
Sec14l1	0.459976	1.05E-40	2.61E-40
Gm12940	1.081523	1.04E-40	2.57E-40
Pigb	1.438592	1.35E-40	3.35E-40
Sccpdh	0.846413	1.34E-40	3.33E-40
Nbas	1.038644	1.41E-40	3.49E-40
Zfp874b	1.114263	1.48E-40	3.68E-40
Psmd8	0.462034	1.69E-40	4.17E-40
Zc3h14	0.574435	1.77E-40	4.39E-40
Nhlrc1	1.706754	1.80E-40	4.46E-40
Zfp143	0.949257	2.18E-40	5.39E-40
Ntng2	2.564061	2.47E-40	6.11E-40
Gm12059	2.103276	2.51E-40	6.20E-40
Katnal1	1.033345	2.61E-40	6.45E-40
Gm45182	1.724168	2.72E-40	6.73E-40
Pcyt1b	1.520362	2.76E-40	6.83E-40
Dusp11	0.43019	2.85E-40	7.04E-40
Nifk	0.800607	3.05E-40	7.52E-40
Uhrf1bp1	1.218942	3.06E-40	7.55E-40
Sf3a2	0.73659	3.33E-40	8.21E-40
Inpp1	0.625969	3.37E-40	8.31E-40
8430422N	1.638477	3.69E-40	9.11E-40
Gphn	0.798819	3.75E-40	9.24E-40
Ndufb1	0.381175	3.94E-40	9.71E-40
Tcaim	1.031575	4.26E-40	1.05E-39
Ap5s1	1.37876	4.32E-40	1.06E-39
D030056L	0.788888	4.53E-40	1.12E-39
Zfp94	1.798724	5.83E-40	1.44E-39
Itpa	0.782748	5.57E-40	1.37E-39
Bag4	0.834012	5.62E-40	1.38E-39
Tsr1	1.438953	5.72E-40	1.41E-39
Rad51ap2	3.27899	6.59E-40	1.62E-39
Marchf5	0.574576	6.02E-40	1.48E-39
Oxld1	1.248685	6.04E-40	1.49E-39
Chkb	0.997703	6.06E-40	1.49E-39
Timm17a	0.519638	6.14E-40	1.51E-39
Nfyc	0.848922	6.44E-40	1.58E-39
Smim24	1.807065	6.72E-40	1.65E-39
Xpo4	0.711877	6.58E-40	1.62E-39
Ksr2	2.063773	7.08E-40	1.74E-39
4930453N	0.668472	7.07E-40	1.74E-39
Trappc12	0.883296	7.23E-40	1.78E-39
Cfap53	2.653235	8.45E-40	2.08E-39
St7l	0.784689	8.34E-40	2.05E-39
4930572G	3.097247	1.04E-39	2.56E-39
BC024063	2.32764	1.07E-39	2.63E-39

Snhg14	0.959564	1.07E-39	2.63E-39
Zswim5	1.620197	1.12E-39	2.74E-39
Mid1ip1	0.698267	1.12E-39	2.74E-39
Nfx1	0.651302	1.13E-39	2.76E-39
Gm28693	2.176536	1.23E-39	3.02E-39
B4galt3	0.928151	1.29E-39	3.16E-39
Golm2	0.797169	1.34E-39	3.28E-39
Gabarapl1	0.450443	1.37E-39	3.36E-39
AA465934	1.637929	1.42E-39	3.48E-39
Dtymk	0.720826	1.42E-39	3.48E-39
2310057M	1.046639	1.44E-39	3.53E-39
Polr1f	0.683754	1.55E-39	3.79E-39
Slc6a9	1.437401	1.56E-39	3.82E-39
Tkfc	1.689512	1.60E-39	3.92E-39
Gm33056	3.659947	1.84E-39	4.51E-39
Hexim2	1.657823	1.60E-39	3.90E-39
Snrpa1	0.656172	1.83E-39	4.46E-39
Thoc3	0.771262	1.83E-39	4.48E-39
Stk11ip	1.482859	1.90E-39	4.65E-39
Dus2	1.211861	1.89E-39	4.62E-39
Atp5a1	0.332424	1.96E-39	4.78E-39
Emc6	0.531209	2.14E-39	5.22E-39
Tcp11l1	1.308658	2.40E-39	5.86E-39
2810405F	1.598075	2.67E-39	6.52E-39
Bbip1	0.489656	3.05E-39	7.43E-39
Ptcd3	0.879795	3.11E-39	7.59E-39
Mtln	0.538467	3.20E-39	7.81E-39
A530017D	1.113627	3.21E-39	7.82E-39
Nudt21	0.629052	3.30E-39	8.04E-39
Slc18b1	1.308971	3.88E-39	9.46E-39
Adrb1	1.177506	3.92E-39	9.55E-39
Nfil3	1.757369	4.22E-39	1.03E-38
Tusc2	0.772998	4.11E-39	1.00E-38
Gm42895	1.987966	4.47E-39	1.09E-38
Thada	1.125285	4.29E-39	1.04E-38
Ccnt2	0.584309	4.70E-39	1.14E-38
Tbc1d7	1.174933	5.11E-39	1.24E-38
Them4	1.060056	5.26E-39	1.28E-38
Sar1b	0.508828	5.50E-39	1.34E-38
Rexo1	0.637879	5.59E-39	1.36E-38
Arhgap33	1.655128	5.81E-39	1.41E-38
Tnks	0.626201	6.06E-39	1.47E-38
Gm48855	1.87518	7.10E-39	1.72E-38
Snrpd1	0.460035	7.20E-39	1.75E-38
Bnip1	1.128779	7.15E-39	1.74E-38
Ddx19b	1.275534	7.34E-39	1.78E-38
Atp6ap2	0.526763	7.70E-39	1.87E-38

Cox19	0.752779	7.82E-39	1.90E-38
Gm13787	4.580282	1.05E-38	2.54E-38
MIh1	1.247404	8.32E-39	2.02E-38
Cln3	1.120413	9.21E-39	2.23E-38
Rpp21	0.593907	9.99E-39	2.42E-38
Mob4	0.492352	1.08E-38	2.62E-38
Gm45871	1.354478	1.09E-38	2.64E-38
Gm15520	3.066975	1.38E-38	3.34E-38
Slc35e3	1.242171	1.28E-38	3.10E-38
Tasor	0.453698	1.37E-38	3.30E-38
6330408N	2.243924	1.47E-38	3.56E-38
Stradb	1.113453	1.42E-38	3.42E-38
Kpna6	0.723456	1.49E-38	3.59E-38
Gm31166	1.762597	1.55E-38	3.75E-38
Bod1l	0.425056	1.64E-38	3.96E-38
Abca5	0.691255	1.71E-38	4.13E-38
Alkbh8	0.812032	1.79E-38	4.32E-38
Tmem186	1.279452	1.96E-38	4.72E-38
Gm37334	1.39408	1.99E-38	4.79E-38
Fam168a	0.470239	2.14E-38	5.14E-38
Klhdc10	0.789888	2.29E-38	5.51E-38
Pycl	1.014903	2.43E-38	5.84E-38
Gm42445	2.710221	2.59E-38	6.24E-38
Usp32	0.651582	2.75E-38	6.62E-38
Lpin1	0.762883	2.75E-38	6.62E-38
Eif1ad	0.680938	2.77E-38	6.67E-38
Yrdc	0.802244	2.77E-38	6.66E-38
Zfp426	0.968304	2.95E-38	7.08E-38
Dnajc21	0.607448	2.96E-38	7.12E-38
Nudt13	0.871652	2.97E-38	7.13E-38
Abhd10	0.94445	3.05E-38	7.32E-38
Ubac1	0.794131	3.49E-38	8.38E-38
Gm20604	1.113391	3.59E-38	8.62E-38
C920021L	1.729429	3.71E-38	8.91E-38
Rarb	1.711465	4.04E-38	9.69E-38
Exosc4	0.69574	4.14E-38	9.91E-38
Bcas2	0.462412	4.51E-38	1.08E-37
Atf6	0.716487	4.84E-38	1.16E-37
Kat6b	0.55301	5.07E-38	1.21E-37
Gm48062	1.49962	5.27E-38	1.26E-37
2310047D	2.610403	6.68E-38	1.60E-37
Ccnc	0.816767	6.45E-38	1.54E-37
Cep20	0.672726	6.96E-38	1.66E-37
Iqsec1	0.560887	7.15E-38	1.71E-37
Gdap1l1	1.891247	7.20E-38	1.72E-37
Gm42755	4.233985	9.07E-38	2.16E-37
Tsr3	0.830173	7.55E-38	1.80E-37

Zfp184	2.019085	8.11E-38	1.94E-37
Klhl21	0.956396	8.09E-38	1.93E-37
Naa25	0.873586	8.16E-38	1.95E-37
Gm19466	4.01498	1.02E-37	2.43E-37
Supt16	0.478594	8.49E-38	2.03E-37
Lin28a	2.920775	9.66E-38	2.30E-37
Gm37240	2.640137	8.94E-38	2.13E-37
Satb1	1.354958	8.77E-38	2.09E-37
Irf2bp1	0.687047	8.84E-38	2.11E-37
Timm8b	0.442448	9.28E-38	2.21E-37
Mbtd1	0.683279	9.19E-38	2.19E-37
Fxn	1.134211	9.38E-38	2.24E-37
Gm3081	1.794752	9.66E-38	2.30E-37
Kmt5b	0.50809	1.01E-37	2.41E-37
Gm42517	2.403981	1.10E-37	2.63E-37
Fancg	1.874964	1.08E-37	2.58E-37
Gm27032	1.81679	1.10E-37	2.63E-37
Ehmt1	0.553149	1.22E-37	2.91E-37
Tmem11	0.7129	1.26E-37	3.00E-37
D230022Jc	2.479512	1.39E-37	3.30E-37
Hnrnpa1	0.401394	1.30E-37	3.10E-37
Gtf3c1	0.65529	1.30E-37	3.09E-37
Reps1	0.921847	1.41E-37	3.35E-37
Gm37090	1.572827	1.51E-37	3.58E-37
Dbt	1.148805	1.79E-37	4.25E-37
Shroom2	0.744056	1.81E-37	4.31E-37
Tceanc	1.530945	1.93E-37	4.58E-37
Ppt2	0.725401	1.93E-37	4.58E-37
Ccl25	1.013167	1.95E-37	4.62E-37
Rbm34	0.761	1.98E-37	4.70E-37
Ccp110	0.774755	2.03E-37	4.83E-37
Pkp2	1.295357	2.35E-37	5.57E-37
Rad17	0.709156	2.50E-37	5.92E-37
Ino80	0.741281	2.58E-37	6.11E-37
Alg2	0.861165	3.08E-37	7.30E-37
Gnl2	0.778482	3.24E-37	7.67E-37
Asl	0.892988	3.37E-37	7.98E-37
Mrps2	1.173636	3.72E-37	8.81E-37
Ilf3	0.615549	3.78E-37	8.93E-37
Cfap74	2.254858	3.94E-37	9.32E-37
Ddi2	0.583295	3.97E-37	9.39E-37
Gm38374	1.775323	4.20E-37	9.93E-37
Zc3h8	1.125786	4.17E-37	9.86E-37
Kbtbd7	0.97128	4.59E-37	1.08E-36
Epc2	0.58014	4.64E-37	1.10E-36
Ccdc57	1.803547	4.78E-37	1.13E-36
Camkmt	1.340169	5.20E-37	1.23E-36

Sde2	0.596779	5.20E-37	1.23E-36
Zfp775	1.19414	5.19E-37	1.22E-36
Ago4	1.024659	5.49E-37	1.30E-36
Hnrnpab	0.416952	6.09E-37	1.44E-36
Tnpo2	0.859749	6.27E-37	1.48E-36
Vps37b	0.700464	6.35E-37	1.50E-36
Otub2	1.677385	6.49E-37	1.53E-36
Ndufb9	0.336521	6.80E-37	1.60E-36
Iars	0.856476	6.79E-37	1.60E-36
Rchy1	0.597245	6.82E-37	1.60E-36
Sdf2	0.529314	7.06E-37	1.66E-36
Npat	0.812937	7.38E-37	1.74E-36
Dctpp1	0.801166	7.65E-37	1.80E-36
Zfp868	1.136338	8.56E-37	2.01E-36
Raxos1	1.775022	9.35E-37	2.20E-36
Top1mt	1.331483	9.29E-37	2.18E-36
Rps11-ps2	1.400777	9.80E-37	2.30E-36
Cdc5l	0.500316	1.01E-36	2.38E-36
Med22	0.848615	1.13E-36	2.64E-36
Slc30a9	0.553396	1.24E-36	2.92E-36
Mphosph1	0.660765	1.25E-36	2.93E-36
Ipo13	1.026748	1.26E-36	2.95E-36
Smarca5	0.44162	1.38E-36	3.23E-36
Exoc1	0.771088	1.55E-36	3.63E-36
Crebrf	0.445521	1.62E-36	3.78E-36
Gm42697	3.389725	2.04E-36	4.78E-36
Nscme3l	2.394746	1.97E-36	4.61E-36
Gm6712	1.882438	1.96E-36	4.59E-36
Nupr1l	1.271519	2.05E-36	4.80E-36
Ciao3	1.038122	2.06E-36	4.81E-36
Zfp930	1.193398	2.09E-36	4.88E-36
Carnmt1	0.765606	2.21E-36	5.17E-36
Slx4	1.265969	2.51E-36	5.86E-36
Abl2	0.783665	2.51E-36	5.86E-36
Zfp2	1.257846	2.52E-36	5.88E-36
Anapc15	1.027656	2.56E-36	5.97E-36
Rbm4	1.531895	2.65E-36	6.19E-36
Mrps26	0.573449	2.84E-36	6.63E-36
Gadd45gip	0.593978	2.94E-36	6.86E-36
Clic6	2.116054	3.15E-36	7.34E-36
Mad2l1	1.276409	3.13E-36	7.29E-36
Zc3h18	0.632371	3.16E-36	7.38E-36
Gm37254	1.060447	3.42E-36	7.97E-36
Emc4	0.516433	3.72E-36	8.68E-36
Zfp850	1.911471	3.92E-36	9.13E-36
Alkbh4	1.46256	3.82E-36	8.89E-36
Gm17354	1.441203	3.84E-36	8.94E-36

Crcp	0.907541	4.09E-36	9.52E-36
9930120I1	1.79946	4.30E-36	1.00E-35
Agbl5	1.298508	4.45E-36	1.04E-35
Trib1	0.868081	4.57E-36	1.06E-35
Phrf1	0.657664	4.64E-36	1.08E-35
Atg4b	0.759169	4.78E-36	1.11E-35
Tex30	1.046182	4.98E-36	1.16E-35
Tank	0.898823	6.19E-36	1.44E-35
Aars2	1.397552	6.38E-36	1.48E-35
Thap6	1.817724	6.53E-36	1.52E-35
Gm37268	3.10762	7.48E-36	1.73E-35
Fam228b	1.909866	6.80E-36	1.58E-35
Zfp653	1.199711	7.03E-36	1.63E-35
Gnl1	0.680071	7.35E-36	1.71E-35
Ahctf1	0.600302	7.45E-36	1.73E-35
Zcchc4	1.124559	7.84E-36	1.82E-35
Mrps36	0.587799	8.31E-36	1.92E-35
Fam174c	1.229116	8.94E-36	2.07E-35
Pfdn6	0.483042	9.20E-36	2.13E-35
4833421G	2.30899	9.93E-36	2.30E-35
Ubxn2a	0.471862	9.74E-36	2.25E-35
Zfp97	2.040983	9.96E-36	2.31E-35
Zfp667	1.140945	1.05E-35	2.44E-35
Rnf24	1.30087	1.05E-35	2.44E-35
Dock7	0.849311	1.13E-35	2.61E-35
Hfm1	3.355887	1.33E-35	3.08E-35
Hnrnpul1	0.474869	1.19E-35	2.75E-35
Rabif	0.874173	1.18E-35	2.74E-35
Lactb2	0.852143	1.21E-35	2.80E-35
4933434E	0.667087	1.23E-35	2.83E-35
Mrps10	0.740152	1.23E-35	2.85E-35
Rpe	0.888813	1.34E-35	3.09E-35
Rny3	1.431915	1.35E-35	3.12E-35
Ndufa12	0.489446	1.38E-35	3.19E-35
Fancf	1.540732	1.46E-35	3.37E-35
Rrp7a	0.80493	1.50E-35	3.46E-35
Mocs3	1.460432	1.74E-35	4.00E-35
Eipr1	1.086655	1.80E-35	4.15E-35
Armt1	1.139064	1.88E-35	4.34E-35
Zbtb49	1.5354	1.96E-35	4.53E-35
Eny2	0.477186	1.96E-35	4.52E-35
Gm7467	1.581158	2.16E-35	4.97E-35
Fbxl12os	2.286657	2.33E-35	5.36E-35
Zbtb43	0.839626	2.20E-35	5.07E-35
Tmem87a	0.834842	2.46E-35	5.66E-35
Cherp	0.762956	2.68E-35	6.17E-35
5330439Kl	2.211147	2.81E-35	6.47E-35

Zfp180	0.816444	2.79E-35	6.42E-35
Gm38359	2.466669	3.01E-35	6.91E-35
Dleu2	0.598599	3.09E-35	7.11E-35
Lbh	0.489243	3.20E-35	7.34E-35
Taf1a	1.176317	3.14E-35	7.21E-35
Ttc3	0.389521	3.26E-35	7.49E-35
Crnkl1	0.701654	3.32E-35	7.62E-35
4930579G	1.700308	3.46E-35	7.94E-35
Plekhg4	2.511993	3.59E-35	8.24E-35
Dhx9	0.500636	3.89E-35	8.92E-35
Wdr73	1.16491	3.97E-35	9.12E-35
Gm26672	1.606218	4.37E-35	1.00E-34
Rngtt	0.919637	4.81E-35	1.10E-34
Ripk4	2.609931	5.62E-35	1.29E-34
Bmi1	0.618618	5.59E-35	1.28E-34
Gm43200	1.662109	5.69E-35	1.30E-34
Mak16	0.752429	5.64E-35	1.29E-34
Gm43339	1.612211	6.56E-35	1.50E-34
Setd4	1.676485	6.67E-35	1.53E-34
Fam120c	1.253241	6.68E-35	1.53E-34
Nrg2	1.888655	6.90E-35	1.58E-34
Exd2	0.963113	7.03E-35	1.61E-34
Tent4a	0.86442	7.16E-35	1.64E-34
Ubiad1	1.61024	7.54E-35	1.72E-34
Trib3	1.295923	8.31E-35	1.90E-34
Tsfm	0.799758	8.42E-35	1.92E-34
P2rx5	2.235501	8.79E-35	2.01E-34
Birc6	0.407937	8.99E-35	2.05E-34
Zfp942	0.961195	8.84E-35	2.02E-34
Tma16	1.013504	8.89E-35	2.03E-34
Ikkip	0.620137	9.36E-35	2.14E-34
Atp5pb	0.33406	9.76E-35	2.23E-34
Gla	1.264943	9.67E-35	2.21E-34
Gm10766	2.152749	1.05E-34	2.39E-34
Gm13216	4.241822	1.32E-34	3.01E-34
E2f4	0.744236	1.08E-34	2.46E-34
Inip	0.924678	1.08E-34	2.46E-34
Fyttd1	0.500291	1.32E-34	3.02E-34
G6pdx	0.92425	1.43E-34	3.25E-34
Gm48298	2.376385	1.76E-34	4.00E-34
Gm37349	1.894963	1.88E-34	4.28E-34
4833408A	1.693918	1.90E-34	4.32E-34
Gm48128	4.07698	2.55E-34	5.78E-34
A730011C	2.112811	2.14E-34	4.86E-34
Scamp2	0.654803	2.09E-34	4.75E-34
Pofut1	0.726312	2.10E-34	4.78E-34
Borcs7	0.720155	2.16E-34	4.90E-34

Ube3a	0.365128	2.18E-34	4.95E-34
H4c14	1.763142	2.27E-34	5.15E-34
Mrpl18	0.508093	2.22E-34	5.04E-34
Mblac2	1.095261	2.32E-34	5.27E-34
Zfp960	1.727528	2.41E-34	5.47E-34
Huwe1	0.397049	2.45E-34	5.56E-34
Ndufaf6	1.282062	2.43E-34	5.52E-34
Caap1	0.81928	2.49E-34	5.64E-34
Surf6	1.021357	2.54E-34	5.75E-34
Sap30bp	0.731466	2.55E-34	5.78E-34
Retreg1	0.933815	2.66E-34	6.02E-34
Cpsf2	0.65189	2.72E-34	6.17E-34
Tyms	1.149084	2.74E-34	6.20E-34
Acox1	3.07322	2.91E-34	6.59E-34
B020010K	1.549128	2.86E-34	6.48E-34
Gm38366	1.766562	2.90E-34	6.56E-34
Eral1	1.191341	2.91E-34	6.58E-34
Rttn	1.140793	3.15E-34	7.12E-34
Gm14827	2.404512	3.29E-34	7.44E-34
Ccdc103	2.529484	3.43E-34	7.75E-34
Gm43545	2.163059	3.85E-34	8.70E-34
Nudt5	0.714974	3.68E-34	8.31E-34
Tomm40	0.679231	3.81E-34	8.60E-34
Gm43605	3.254934	4.14E-34	9.35E-34
Gm8557	2.029414	4.31E-34	9.74E-34
Arl8b	0.569632	4.21E-34	9.50E-34
Naa16	0.77008	4.35E-34	9.82E-34
Mcm8	1.680245	4.38E-34	9.89E-34
Aasdh	1.286151	4.67E-34	1.05E-33
Foxj3	0.692114	5.10E-34	1.15E-33
Nap1l2	1.947776	5.36E-34	1.21E-33
Rpusd3	1.283414	5.76E-34	1.30E-33
Fitm2	1.105968	6.18E-34	1.39E-33
Tssc4	0.709967	6.32E-34	1.42E-33
Cmtr2	1.666512	6.97E-34	1.57E-33
Stau2	0.801883	6.88E-34	1.55E-33
Brpf1	0.761836	6.89E-34	1.55E-33
Fkbp1	1.288797	7.95E-34	1.79E-33
Scaper	0.595909	8.25E-34	1.86E-33
Zfp758	1.156058	8.80E-34	1.98E-33
Ing3	0.689506	9.16E-34	2.06E-33
Dph2	1.569281	9.74E-34	2.19E-33
Gtf2h1	0.703825	1.00E-33	2.25E-33
A930014E	3.876475	1.17E-33	2.63E-33
Stxbp4	0.999049	1.04E-33	2.34E-33
Rcan3	0.712492	1.08E-33	2.44E-33
Spata33	1.780634	1.09E-33	2.45E-33

Ccdc189	1.728875	1.18E-33	2.66E-33
Utp25	1.031585	1.20E-33	2.69E-33
Zfp236	0.778939	1.24E-33	2.78E-33
Qrs1	1.216619	1.26E-33	2.84E-33
Srr	0.922726	1.36E-33	3.05E-33
Ankmy2	0.705544	1.48E-33	3.32E-33
Gm43526	2.603287	1.60E-33	3.58E-33
Pogz	0.647245	1.53E-33	3.43E-33
Gulo	2.278194	1.64E-33	3.69E-33
Zc3h6	0.678986	1.60E-33	3.60E-33
Gm20045	1.18565	1.67E-33	3.73E-33
Nxf1	0.668488	1.87E-33	4.19E-33
Gm37060	0.753936	2.04E-33	4.57E-33
Katna1	0.765231	2.11E-33	4.73E-33
Slc17a4	4.163793	2.51E-33	5.60E-33
5430434F0	1.837541	2.23E-33	4.99E-33
Gm5608	4.727507	2.79E-33	6.24E-33
Tnpo3	0.567175	2.37E-33	5.31E-33
Kat2b	0.540925	2.40E-33	5.37E-33
N4bp2l1	1.430873	2.41E-33	5.40E-33
Gm43201	1.643982	2.59E-33	5.78E-33
Nfatc2ip	1.053243	2.62E-33	5.85E-33
Slc45a4	1.135301	2.80E-33	6.26E-33
Mto1	1.071049	2.90E-33	6.47E-33
Nolc1	0.586952	3.00E-33	6.69E-33
Hipk3	0.435318	3.09E-33	6.90E-33
Fam120b	0.734196	3.24E-33	7.22E-33
Snhg3	0.559617	3.54E-33	7.89E-33
Blm	1.289881	3.68E-33	8.20E-33
1600020E0	0.80261	3.90E-33	8.68E-33
Hectd4	0.661471	3.99E-33	8.90E-33
Recql	1.007385	3.97E-33	8.86E-33
Ncoa5	0.82141	4.04E-33	8.99E-33
Gm37569	1.662523	4.18E-33	9.31E-33
Plag1	1.303123	4.42E-33	9.84E-33
Nsrp1	0.511321	4.76E-33	1.06E-32
Gm12276	1.853772	4.79E-33	1.07E-32
Smim26	0.570057	4.90E-33	1.09E-32
Cep104	0.798155	5.00E-33	1.11E-32
Gm11532	2.348959	5.47E-33	1.22E-32
9930104L0	0.987626	5.23E-33	1.16E-32
Dus3l	0.862338	5.33E-33	1.18E-32
E130304I0	3.42894	5.96E-33	1.32E-32
Zfp27	1.46673	5.49E-33	1.22E-32
Gm42611	1.351121	5.58E-33	1.24E-32
Supt6	0.50309	5.64E-33	1.25E-32
Endog	0.847017	5.61E-33	1.25E-32

U2af2	0.49892	5.88E-33	1.31E-32
Enpp5	0.704653	6.27E-33	1.39E-32
Lins1	1.533356	7.11E-33	1.58E-32
Mterf2	1.082547	7.14E-33	1.58E-32
Zfp637	0.681234	7.21E-33	1.60E-32
Ubr5	0.429734	7.30E-33	1.62E-32
Trnt1	0.745527	7.37E-33	1.64E-32
ENSMUSG	4.143954	8.81E-33	1.95E-32
Csf2ra	0.913557	7.95E-33	1.76E-32
Lrrc27	1.956438	8.28E-33	1.84E-32
4930518I1	1.717853	8.37E-33	1.86E-32
Atp13a2	0.740859	8.30E-33	1.84E-32
Kdm5d	0.864387	8.61E-33	1.91E-32
Gm42826	0.950458	9.13E-33	2.02E-32
Hmgxb3	0.922665	1.04E-32	2.31E-32
Hlcs	0.690226	1.05E-32	2.32E-32
Cox6a1	0.316571	1.11E-32	2.46E-32
Gm8865	2.183332	1.23E-32	2.73E-32
Xpo6	0.729651	1.23E-32	2.72E-32
Tex264	0.601051	1.25E-32	2.76E-32
Gm48237	2.899102	1.41E-32	3.12E-32
Gm45235	2.605218	1.45E-32	3.20E-32
4933417C	2.363878	1.44E-32	3.18E-32
Rnf111	0.603866	1.39E-32	3.07E-32
H1f4	0.704479	1.39E-32	3.07E-32
Rmdn1	0.86721	1.40E-32	3.09E-32
Gm43274	1.822721	1.50E-32	3.30E-32
Piga	1.277678	1.48E-32	3.27E-32
Enkur	1.815768	1.56E-32	3.45E-32
Nudcd1	1.007711	1.56E-32	3.45E-32
Kbtbd8	1.590189	1.60E-32	3.54E-32
Tmem143	1.30595	1.61E-32	3.56E-32
Praf2	0.778492	1.66E-32	3.67E-32
Gm30025	0.956716	1.66E-32	3.67E-32
Napa	0.505409	1.75E-32	3.86E-32
Zfp7	1.333794	1.76E-32	3.88E-32
Morn2	0.874849	1.84E-32	4.05E-32
Gm4631	1.280108	1.85E-32	4.08E-32
Gm13583	2.959389	1.93E-32	4.25E-32
Mcm10	2.902014	2.20E-32	4.86E-32
9330160F	1.850151	2.31E-32	5.10E-32
Spag7	0.480584	2.30E-32	5.07E-32
Cnot10	0.638846	2.30E-32	5.07E-32
Gm26930	1.407922	2.38E-32	5.24E-32
Nelfa	0.660866	2.37E-32	5.22E-32
Kyat3	1.318199	2.53E-32	5.56E-32
Tnfrsf8	2.733444	2.94E-32	6.46E-32

Chd1	0.513907	2.79E-32	6.14E-32
Tmsb15b1	1.343896	2.93E-32	6.45E-32
Srsf11	0.353629	2.98E-32	6.55E-32
E2f5	0.755432	2.96E-32	6.52E-32
Uimc1	0.633874	3.00E-32	6.60E-32
Pals1	0.562125	3.03E-32	6.66E-32
Gm43169	4.966911	3.68E-32	8.07E-32
Sf3b2	0.324563	3.24E-32	7.12E-32
Plekha1	0.489788	3.34E-32	7.35E-32
Dhx29	0.772506	3.35E-32	7.35E-32
N6amt1	0.828749	3.37E-32	7.40E-32
Trmu	1.064435	3.43E-32	7.54E-32
Nf1	0.508399	3.59E-32	7.89E-32
Zcwpw2	2.244917	3.77E-32	8.26E-32
Zyg11b	0.524645	3.64E-32	8.00E-32
Gsdme	1.288485	3.68E-32	8.08E-32
Cwc27	0.783285	3.96E-32	8.69E-32
Mccc1	0.958224	4.36E-32	9.57E-32
Ola1	0.604228	4.50E-32	9.88E-32
Lrp12	1.363595	4.56E-32	9.99E-32
Rpap3	0.737091	5.01E-32	1.10E-31
Slc27a1	0.789362	5.17E-32	1.13E-31
Hmgxb4	0.63333	5.27E-32	1.15E-31
Gm43560	1.762343	5.38E-32	1.18E-31
Tecr	0.382949	5.45E-32	1.19E-31
Polr2b	0.591943	5.72E-32	1.25E-31
Hat1	0.777121	5.83E-32	1.28E-31
Slc7a8	0.895823	5.88E-32	1.29E-31
Ift140	1.202046	5.95E-32	1.30E-31
Hdac4	0.720035	6.15E-32	1.34E-31
Setdb1	0.792005	6.16E-32	1.35E-31
Slc22a28	3.442733	6.86E-32	1.50E-31
4833420G	0.558625	6.41E-32	1.40E-31
Hadhb	0.491456	6.44E-32	1.41E-31
4732414G	2.290492	6.77E-32	1.48E-31
Coro2b	0.617497	6.60E-32	1.44E-31
Ciz1	0.698468	7.04E-32	1.54E-31
Gm43765	2.32742	7.38E-32	1.61E-31
Gm37943	2.420456	7.59E-32	1.66E-31
Sf3a1	0.614105	7.73E-32	1.69E-31
Mbd5	0.720971	7.75E-32	1.69E-31
Rnps1	0.492199	7.96E-32	1.73E-31
Ccdc34	0.631138	8.09E-32	1.76E-31
Telo2	1.0938	8.13E-32	1.77E-31
Lrfrn2	2.338003	8.64E-32	1.88E-31
Map4k5	0.608768	8.56E-32	1.86E-31
Kctd3	0.91314	8.71E-32	1.90E-31

Mthfsd	1.058327	9.09E-32	1.98E-31
AV356131	0.843159	9.32E-32	2.03E-31
Eif2b4	0.740946	9.85E-32	2.14E-31
Gm16759	1.934297	1.06E-31	2.30E-31
Zfp964	1.57205	1.05E-31	2.28E-31
Nono	0.408549	1.09E-31	2.37E-31
Wrap73	0.930175	1.11E-31	2.41E-31
Gm42727	1.530769	1.15E-31	2.49E-31
Nsun5	1.008422	1.20E-31	2.61E-31
9430031Kl	1.714869	1.25E-31	2.71E-31
Tbce	0.803943	1.23E-31	2.68E-31
Qtrt2	1.169622	1.24E-31	2.70E-31
1600017P	2.585866	1.35E-31	2.92E-31
Arfgap2	0.608998	1.31E-31	2.85E-31
Creb1	0.452859	1.36E-31	2.94E-31
Ankrd34a	1.982801	1.52E-31	3.29E-31
2310034G	1.507034	1.46E-31	3.17E-31
Zbtb7b	0.981654	1.52E-31	3.29E-31
Fam210a	0.856859	1.57E-31	3.41E-31
Arglu1	0.318579	1.62E-31	3.50E-31
Trim39	0.810219	1.63E-31	3.53E-31
A730006G	3.790692	1.91E-31	4.13E-31
Mysm1	0.49245	1.76E-31	3.82E-31
Vstm2l	1.836106	1.83E-31	3.96E-31
Fam149b	0.769499	1.81E-31	3.92E-31
Gm44152	1.596164	1.89E-31	4.09E-31
Taf2	0.732893	1.91E-31	4.13E-31
Ybx2	2.283622	2.04E-31	4.41E-31
Bend7	0.769576	1.95E-31	4.22E-31
Zfp326	0.513592	1.98E-31	4.29E-31
Fuom	0.818992	2.06E-31	4.45E-31
Gm42874	3.031759	2.26E-31	4.88E-31
Gm17249	1.66085	2.12E-31	4.58E-31
Pgc	1.643665	2.18E-31	4.72E-31
Srgap3	0.664543	2.43E-31	5.25E-31
Mcrs1	0.585129	2.51E-31	5.42E-31
Klhl15	1.056824	2.50E-31	5.40E-31
Tango6	1.181406	2.52E-31	5.43E-31
Rgs22	2.921562	2.68E-31	5.78E-31
Acot8	0.907304	2.72E-31	5.87E-31
Uqcrfs1	0.43063	2.76E-31	5.95E-31
Magohb	0.855052	2.74E-31	5.90E-31
Nrd1	0.413497	2.78E-31	6.00E-31
1700007K	2.899667	3.01E-31	6.50E-31
4930431P	1.098495	2.79E-31	6.01E-31
Xpnpep3	0.999159	2.86E-31	6.18E-31
Aacs	1.424604	3.47E-31	7.47E-31

Uri1	0.518507	3.91E-31	8.41E-31
Mars1	0.849833	3.92E-31	8.44E-31
Gm47370	2.73858	4.24E-31	9.13E-31
Frmd5	0.748877	4.17E-31	8.97E-31
Gm9828	1.80883	4.52E-31	9.73E-31
Rhebl1	1.147704	4.41E-31	9.50E-31
Cmtm4	0.678732	4.56E-31	9.80E-31
Gm43148	2.189889	4.94E-31	1.06E-30
Trmt10c	0.811212	4.93E-31	1.06E-30
Lym4	1.105562	4.97E-31	1.07E-30
Ercc8	1.183475	5.04E-31	1.08E-30
ENSMUSG	3.144301	5.93E-31	1.27E-30
Oxa1l	0.636892	5.61E-31	1.21E-30
Gm8234	3.025587	6.16E-31	1.32E-30
Ptprn2	2.620347	5.84E-31	1.25E-30
Stx19	2.450533	6.38E-31	1.37E-30
Srp54c	1.917559	6.08E-31	1.30E-30
Adat1	1.252351	6.11E-31	1.31E-30
Rbm20	1.392827	6.14E-31	1.32E-30
Nmt1	0.47533	6.31E-31	1.35E-30
Gm43859	2.640156	6.92E-31	1.48E-30
Mrs2	0.741692	6.56E-31	1.41E-30
Ccdc92b	2.010262	7.15E-31	1.53E-30
Zdhhc13	1.259596	7.12E-31	1.53E-30
lqck	1.849147	7.30E-31	1.56E-30
Gm11510	1.742169	7.80E-31	1.67E-30
Fnta	0.500597	7.73E-31	1.66E-30
Asphd2	1.871941	8.46E-31	1.81E-30
Gm37776	4.215078	9.88E-31	2.11E-30
Rpf2	1.083944	9.15E-31	1.96E-30
Mettl5os	2.148019	9.59E-31	2.05E-30
Gm47484	1.85953	9.52E-31	2.04E-30
Kctd4	2.28141	1.09E-30	2.34E-30
Eefsec	1.000742	1.04E-30	2.23E-30
Drc3	1.853424	1.13E-30	2.42E-30
Mpc2	0.387685	1.16E-30	2.47E-30
Kat5	0.735849	1.17E-30	2.49E-30
Cep295	0.747319	1.22E-30	2.62E-30
Ccdc62	1.531321	1.30E-30	2.77E-30
Gatad2b	0.414298	1.34E-30	2.86E-30
Rps6ka6	2.52638	1.36E-30	2.90E-30
Pcna	0.50358	1.45E-30	3.09E-30
Ovgp1	1.992279	1.47E-30	3.14E-30
Rfc2	0.666634	1.47E-30	3.13E-30
Tubgcp5	0.708787	1.51E-30	3.23E-30
Gm37233	2.190759	1.59E-30	3.39E-30
Zfp759	1.876692	1.61E-30	3.43E-30

Gm14302	3.161508	1.70E-30	3.63E-30
Mrps25	0.58249	1.65E-30	3.51E-30
Rfx7	0.687345	1.75E-30	3.74E-30
Lysmd4	1.073538	1.84E-30	3.93E-30
Elmod3	1.085763	1.88E-30	4.02E-30
Aagab	0.904387	2.18E-30	4.64E-30
Ten1	0.76586	2.30E-30	4.90E-30
Hgh1	1.479796	2.31E-30	4.92E-30
5430416N	1.144221	2.40E-30	5.11E-30
Spats2	0.688629	2.43E-30	5.17E-30
Gm9993	1.266601	2.43E-30	5.17E-30
Gm37788	1.010922	2.51E-30	5.35E-30
Gpx4-ps2	0.611622	2.57E-30	5.46E-30
Gm12992	1.625072	2.76E-30	5.86E-30
4921507G	3.526187	2.93E-30	6.23E-30
Oxnad1	1.102765	2.76E-30	5.87E-30
Tepp	1.792653	2.95E-30	6.27E-30
Pin1	0.496096	2.95E-30	6.28E-30
AA914427	1.866245	3.02E-30	6.40E-30
Ndufa12-p	1.508635	3.12E-30	6.62E-30
Gm44678	2.232707	3.27E-30	6.95E-30
lqank1	2.375408	3.40E-30	7.21E-30
Znhit6	0.727286	3.36E-30	7.14E-30
Gm15601	2.750817	3.75E-30	7.97E-30
Gm15828	3.282715	4.04E-30	8.58E-30
Mrpl45	0.748489	3.75E-30	7.95E-30
Kifc2	1.081019	3.77E-30	8.00E-30
Zfp932	0.98409	4.03E-30	8.55E-30
Tex10	0.826621	4.05E-30	8.59E-30
Tbck	0.710418	4.15E-30	8.80E-30
Snhg16	1.104526	4.18E-30	8.86E-30
Tgds	1.113584	4.22E-30	8.95E-30
Gon4l	0.732586	4.55E-30	9.63E-30
2700046G	1.42318	4.58E-30	9.71E-30
Clec16a	1.030154	4.78E-30	1.01E-29
Fzd5	0.660578	4.93E-30	1.04E-29
4930525G	2.870803	5.36E-30	1.13E-29
Hap1	0.928888	5.12E-30	1.08E-29
Eif2b3	0.786474	5.21E-30	1.10E-29
Ankrd11	0.332986	5.39E-30	1.14E-29
Rint1	0.811651	5.38E-30	1.14E-29
Ythdf3	0.545679	5.71E-30	1.21E-29
Prpf3	0.793388	5.97E-30	1.26E-29
Plpp7	1.514265	6.08E-30	1.29E-29
5530601H	0.88504	6.08E-30	1.28E-29
Zfp518a	0.721293	6.21E-30	1.31E-29
Svip	0.713079	6.30E-30	1.33E-29

Pcyt2	0.826897	7.18E-30	1.52E-29
E230029C	1.324504	7.25E-30	1.53E-29
4933433G	2.095352	7.82E-30	1.65E-29
Nob1	0.8569	8.15E-30	1.72E-29
Gm13524	2.294632	8.46E-30	1.78E-29
Ppp1r8	0.800779	8.26E-30	1.74E-29
Mrps11	0.656173	8.50E-30	1.79E-29
Mrps28	0.678946	8.92E-30	1.88E-29
Stamos	1.914207	9.04E-30	1.90E-29
Syngr3	1.964131	9.17E-30	1.93E-29
Nsmce3	0.596123	9.26E-30	1.95E-29
Ppan	0.937441	9.55E-30	2.01E-29
Dhx16	0.749492	9.86E-30	2.08E-29
AA474408	2.058285	1.07E-29	2.25E-29
Mbtps1	0.569762	1.05E-29	2.21E-29
Dennd1a	0.609898	1.10E-29	2.32E-29
Cish	1.341965	1.11E-29	2.34E-29
Glr2	0.474023	1.13E-29	2.39E-29
Igip	0.606523	1.14E-29	2.40E-29
Gm14443	2.162087	1.19E-29	2.50E-29
Retreg2	0.498244	1.18E-29	2.49E-29
Gm16973	1.259898	1.22E-29	2.57E-29
Gm47573	2.313935	1.36E-29	2.85E-29
Wdr43	0.601505	1.32E-29	2.77E-29
Dcaf6	0.68067	1.38E-29	2.89E-29
Dnai3	6.276956	1.84E-29	3.85E-29
Gm6345	2.385906	1.62E-29	3.40E-29
Idh3b	0.459725	1.73E-29	3.63E-29
Ncbp1	0.725562	1.77E-29	3.70E-29
Gm43203	2.122658	1.91E-29	4.00E-29
Crb3	2.464346	1.91E-29	4.00E-29
Cyc1	0.416225	1.97E-29	4.12E-29
Fen1	1.0938	2.07E-29	4.34E-29
Rmnd1	1.077807	2.23E-29	4.66E-29
Selenbp1	0.939761	2.25E-29	4.71E-29
Fus	0.290071	2.32E-29	4.85E-29
Rrp8	0.81302	2.32E-29	4.86E-29
Nsmce4a	0.436397	2.35E-29	4.93E-29
Kif9	2.216796	2.70E-29	5.64E-29
Bloc1s6os	2.382244	2.79E-29	5.84E-29
Slc35g1	1.98793	2.72E-29	5.70E-29
Selenos	0.474077	2.77E-29	5.78E-29
Ints7	0.948806	2.88E-29	6.01E-29
Morn1	1.8948	2.96E-29	6.18E-29
B130034C	1.79227	3.01E-29	6.29E-29
Catspere2	1.938806	3.16E-29	6.60E-29
Gm7285	1.712898	3.59E-29	7.50E-29

Dpf2	0.545332	3.59E-29	7.50E-29
Nxt1	0.678412	3.78E-29	7.88E-29
Scrn3	0.832246	3.79E-29	7.92E-29
Rassf7	1.45453	3.83E-29	7.99E-29
Usp20	1.023121	3.95E-29	8.24E-29
Pcgf5	0.58435	4.28E-29	8.91E-29
Uba1	0.44736	4.41E-29	9.19E-29
Ap4e1	1.013752	4.41E-29	9.19E-29
Rpap2	0.944904	4.46E-29	9.29E-29
Gm45718	2.046352	4.70E-29	9.78E-29
Akain1	1.489614	4.93E-29	1.03E-28
Aftph	0.464524	5.27E-29	1.10E-28
Ift46	0.764361	5.35E-29	1.11E-28
Rpp38	1.224969	5.48E-29	1.14E-28
Daglb	0.873187	5.94E-29	1.24E-28
Usp13	2.415345	6.81E-29	1.41E-28
Rnf34	0.733447	6.67E-29	1.39E-28
Rnf2	0.68147	6.96E-29	1.45E-28
Supv3l1	1.120793	6.96E-29	1.45E-28
Champ1	0.801139	7.22E-29	1.50E-28
Xrcc6	1.100585	7.24E-29	1.50E-28
2810049E	2.334071	7.58E-29	1.57E-28
Arhgap35	0.618782	7.38E-29	1.53E-28
Gm49463	1.963496	7.51E-29	1.56E-28
Ap1g1	0.550803	7.75E-29	1.61E-28
Yif1a	0.639219	7.89E-29	1.64E-28
Garem1	0.922524	7.92E-29	1.64E-28
Pfas	1.093682	8.06E-29	1.67E-28
Zfyve19	1.005131	8.43E-29	1.75E-28
Tmem222	0.650426	9.36E-29	1.94E-28
Gm13570	1.934169	9.88E-29	2.05E-28
Fbxo34	0.863202	9.84E-29	2.04E-28
Ccnb2-ps	2.111014	1.07E-28	2.21E-28
Acp6	1.264838	1.03E-28	2.14E-28
Foxred2	1.739433	1.07E-28	2.22E-28
Cpeb4	0.447222	1.09E-28	2.27E-28
Gm17021	2.075087	1.12E-28	2.31E-28
Pard6a	0.919069	1.13E-28	2.34E-28
Fundc2	0.456502	1.14E-28	2.37E-28
Zfp101	0.872367	1.16E-28	2.40E-28
Gm45148	3.240174	1.27E-28	2.63E-28
Fam136a	0.748185	1.21E-28	2.51E-28
Trit1	1.122826	1.22E-28	2.53E-28
Rdh14	0.700111	1.23E-28	2.54E-28
Ddx28	1.102695	1.30E-28	2.68E-28
Upf1	0.599007	1.33E-28	2.75E-28
Gm11339	3.234686	1.48E-28	3.05E-28

Baz2a	0.46534	1.54E-28	3.17E-28
Gm16029	3.557114	1.66E-28	3.42E-28
Gm37755	2.718714	1.67E-28	3.45E-28
Lysmd1	1.390221	1.59E-28	3.28E-28
Wfdc3	2.884076	1.69E-28	3.48E-28
Ncoa6	0.555922	1.64E-28	3.38E-28
Ankrd16	0.836145	1.64E-28	3.39E-28
Cfap206	2.501218	1.72E-28	3.54E-28
Pcif1	0.461429	1.71E-28	3.52E-28
Dhdh	0.851686	1.76E-28	3.63E-28
A730063N	1.227193	1.82E-28	3.75E-28
Gm37292	2.570895	1.95E-28	4.03E-28
Gm2396	3.596993	2.04E-28	4.21E-28
Vipas39	0.818676	1.89E-28	3.89E-28
Gm45493	2.336474	2.22E-28	4.57E-28
Urod	0.601994	2.20E-28	4.53E-28
Slc11a2	0.945991	2.27E-28	4.68E-28
Lypla2	0.657426	2.32E-28	4.78E-28
Adgrb3	1.1556	2.36E-28	4.86E-28
Ube2v2	0.430191	2.38E-28	4.90E-28
Zfp658	1.499613	2.50E-28	5.15E-28
Smg5	0.716234	2.93E-28	6.01E-28
4930513N	1.60913	2.96E-28	6.07E-28
A930037H	1.435509	3.15E-28	6.47E-28
Mrps18b	0.852113	3.18E-28	6.53E-28
Rer1	0.405626	3.64E-28	7.47E-28
Ribc2	2.865077	3.85E-28	7.89E-28
Cyp4f17	1.095096	3.71E-28	7.61E-28
Zbtb21	0.819094	3.74E-28	7.67E-28
Neil2	2.216828	4.03E-28	8.26E-28
C730034F	1.349949	4.03E-28	8.26E-28
0610040B	1.307455	4.37E-28	8.94E-28
Pola1	0.997682	4.38E-28	8.96E-28
2310022A	1.103676	4.52E-28	9.25E-28
Ddx19a	0.76539	4.52E-28	9.26E-28
Pthr2	0.820388	4.53E-28	9.27E-28
Nop16	0.923247	4.69E-28	9.60E-28
Med7	0.645014	4.82E-28	9.85E-28
A630089N	1.720373	4.93E-28	1.01E-27
Ccdc85c	0.725525	5.14E-28	1.05E-27
Mtres1	0.777294	5.12E-28	1.05E-27
1700055D	2.488064	5.46E-28	1.12E-27
4930563E	1.34685	5.43E-28	1.11E-27
Synv1	0.773909	5.49E-28	1.12E-27
Wrap53	1.36937	5.87E-28	1.20E-27
Gm47525	2.861417	6.39E-28	1.30E-27
Zdhhc23	2.453154	6.26E-28	1.28E-27

Zfp146	1.118487	6.54E-28	1.33E-27
170010111	2.272424	6.76E-28	1.38E-27
Gm13722	4.404974	7.57E-28	1.54E-27
Gm16062	1.74474	7.01E-28	1.43E-27
Abcb8	1.025468	7.05E-28	1.44E-27
Cwf1911	1.17137	7.09E-28	1.45E-27
Apba3	0.925604	7.49E-28	1.53E-27
Gm42726	1.484741	7.61E-28	1.55E-27
Ap3d1	0.502034	7.66E-28	1.56E-27
Gm47690	2.265355	7.90E-28	1.61E-27
Dlst	0.579285	7.74E-28	1.58E-27
Gm11940	2.757848	8.17E-28	1.66E-27
Taf12	0.646739	7.87E-28	1.60E-27
Gm37124	1.198421	7.96E-28	1.62E-27
Gnpnat1	0.873436	8.19E-28	1.67E-27
Pex7	0.685784	8.35E-28	1.70E-27
Fzd10	2.114937	8.59E-28	1.75E-27
Cox11	0.86187	8.59E-28	1.75E-27
Zfp958	1.018145	9.00E-28	1.83E-27
Nol7	0.33544	9.38E-28	1.91E-27
Gm48653	2.429178	1.06E-27	2.16E-27
B230317F	2.922956	1.14E-27	2.32E-27
Zfp418	1.86563	1.14E-27	2.31E-27
Gm37598	1.157335	1.14E-27	2.32E-27
Zfp213	1.330468	1.16E-27	2.35E-27
Cdk11b	0.400328	1.16E-27	2.36E-27
Khdc4	0.549521	1.18E-27	2.39E-27
C630004V	2.145929	1.29E-27	2.63E-27
Gm10501	1.853464	1.32E-27	2.67E-27
Ankrd49	0.81105	1.34E-27	2.72E-27
Hipk2	0.456098	1.37E-27	2.77E-27
Zfp110	0.673328	1.36E-27	2.75E-27
Ythdf2	0.534495	1.37E-27	2.78E-27
Tomm70a	0.496574	1.42E-27	2.88E-27
Dtwd1	1.162255	1.43E-27	2.90E-27
D630036H	1.967878	1.49E-27	3.01E-27
1700120C	1.479806	1.58E-27	3.19E-27
Ogt	0.34385	1.65E-27	3.34E-27
Rfx2	1.546422	1.66E-27	3.36E-27
Pyroxd1	0.819129	1.71E-27	3.45E-27
Gm49159	3.34851	1.89E-27	3.82E-27
Kctd7	1.210635	1.77E-27	3.59E-27
Pmpca	0.695429	1.78E-27	3.60E-27
Slc22a17	0.606102	1.88E-27	3.81E-27
Tmem151	1.885434	1.94E-27	3.92E-27
Hpd1	2.863063	2.05E-27	4.14E-27
Ubr2	0.431422	2.03E-27	4.09E-27

Tbl2	1.094777	2.06E-27	4.16E-27
Foxk1	0.690651	2.09E-27	4.22E-27
Gle1	0.549195	2.18E-27	4.40E-27
Mcu	0.815889	2.25E-27	4.55E-27
Orc3	0.781701	2.26E-27	4.57E-27
Gm44237	1.889676	2.31E-27	4.65E-27
A930018P	2.292078	2.44E-27	4.92E-27
Isca1	0.702524	2.48E-27	4.99E-27
Wdr41	1.027533	2.67E-27	5.38E-27
Ccsap	1.579156	2.72E-27	5.48E-27
Taf6l	1.437319	2.78E-27	5.61E-27
Cnst	0.733209	2.92E-27	5.88E-27
Alox5ap	1.195851	3.12E-27	6.28E-27
Bloc1s2	0.679736	3.17E-27	6.38E-27
Gm43268	1.761225	3.22E-27	6.48E-27
Api5	0.491496	3.24E-27	6.53E-27
Slc17a2	3.812236	3.72E-27	7.48E-27
Zfp260	0.505961	3.37E-27	6.79E-27
9430060I0	2.025783	3.56E-27	7.16E-27
5330439A	5.172123	4.07E-27	8.18E-27
A130012E	1.256747	3.70E-27	7.45E-27
Cep57	0.602172	3.77E-27	7.59E-27
Zfp40	0.898979	3.90E-27	7.85E-27
Wdr89	0.78459	3.90E-27	7.85E-27
Gm41793	3.547879	4.32E-27	8.68E-27
Prmt9	0.983327	4.07E-27	8.18E-27
Thg1l	1.60653	4.15E-27	8.35E-27
Uqcrh	0.248449	4.24E-27	8.51E-27
Gm42462	2.316506	4.48E-27	8.99E-27
Foxred1	1.172784	4.68E-27	9.40E-27
Mrpl20	0.376863	4.87E-27	9.77E-27
Lman1	0.345633	5.06E-27	1.01E-26
Nupl2	1.398805	5.05E-27	1.01E-26
Col26a1	2.84851	5.43E-27	1.09E-26
Fcsk	1.189899	5.27E-27	1.06E-26
Tmem53	1.36444	5.40E-27	1.08E-26
Ube2j2	0.541855	5.46E-27	1.09E-26
CamI	0.531999	5.87E-27	1.18E-26
2810408I1	2.809882	6.24E-27	1.25E-26
Gm26549	1.843207	6.13E-27	1.23E-26
Gm38260	1.581707	6.10E-27	1.22E-26
3110009E	1.358212	6.45E-27	1.29E-26
Gm37204	0.917644	6.52E-27	1.30E-26
Gm26879	1.630803	6.70E-27	1.34E-26
Ankef1	2.761254	7.38E-27	1.48E-26
H2ac8	1.500404	7.39E-27	1.48E-26
Zc3h7a	0.46146	7.47E-27	1.49E-26

A830052D	2.618357	7.80E-27	1.56E-26
Rpa3	0.677763	7.55E-27	1.51E-26
Zfp677	1.854301	7.82E-27	1.56E-26
Gm43866	4.547459	8.91E-27	1.78E-26
Rabep1	0.461868	8.00E-27	1.60E-26
Pcnp	0.333423	8.42E-27	1.68E-26
Dipk2a	0.848648	8.47E-27	1.69E-26
Gm15446	1.119982	8.64E-27	1.73E-26
Ubp2l	0.361406	8.72E-27	1.74E-26
Clec11a	1.828419	8.81E-27	1.76E-26
Gm13269	3.057365	9.27E-27	1.85E-26
Gm38146	2.076914	8.96E-27	1.79E-26
A430027C	1.203439	9.60E-27	1.92E-26
Ctc1	0.765073	9.65E-27	1.93E-26
Gemin2	0.91351	9.84E-27	1.96E-26
Zscan20	1.510503	1.00E-26	2.00E-26
3000002C	2.13119	1.07E-26	2.12E-26
Mrpl51	0.448068	1.08E-26	2.15E-26
Mnat1	0.595509	1.09E-26	2.17E-26
Hddc3	0.949289	1.11E-26	2.21E-26
AW04620C	1.588846	1.14E-26	2.26E-26
Mmachc	1.405162	1.14E-26	2.26E-26
Spop	0.31476	1.25E-26	2.50E-26
Afg3l1	0.665786	1.25E-26	2.48E-26
Zfp974	1.271808	1.27E-26	2.52E-26
Zim1	2.396675	1.29E-26	2.57E-26
Stip1	0.506926	1.31E-26	2.61E-26
A230107N	2.348461	1.33E-26	2.64E-26
Zfp335os	2.035333	1.36E-26	2.70E-26
Gm45251	1.494953	1.35E-26	2.69E-26
Rspry1	0.532844	1.42E-26	2.83E-26
Zfp267	0.740924	1.44E-26	2.87E-26
Gm15687	2.763622	1.55E-26	3.09E-26
Gnl3	0.600804	1.53E-26	3.04E-26
Angptl6	1.193741	1.55E-26	3.09E-26
Polr2d	0.658815	1.63E-26	3.24E-26
Gtf2e2	0.647989	1.64E-26	3.25E-26
B130055N	2.065731	1.76E-26	3.50E-26
Bfar	0.492032	1.74E-26	3.45E-26
Aarsd1	1.352198	1.76E-26	3.49E-26
Gm30191	2.215336	1.79E-26	3.56E-26
Gm26912	2.544123	1.89E-26	3.75E-26
Lrig2	0.691943	1.89E-26	3.75E-26
Gm37018	1.995772	1.95E-26	3.87E-26
Neurl1a	1.111113	2.07E-26	4.11E-26
Gpr89	0.743694	2.28E-26	4.53E-26
Card19	0.436377	2.42E-26	4.80E-26

Gm15882	4.69209	2.75E-26	5.45E-26
Gm44256	2.357409	2.56E-26	5.06E-26
Fgfr1op2	0.432626	2.54E-26	5.04E-26
Amd1	0.461978	2.63E-26	5.21E-26
A930006L	3.238233	2.83E-26	5.60E-26
Exosc3	0.679556	2.72E-26	5.38E-26
Atrx	0.276541	2.85E-26	5.63E-26
Gm13199	2.533661	3.20E-26	6.34E-26
Polr3e	0.911482	3.17E-26	6.28E-26
Nup205	0.956609	3.45E-26	6.82E-26
Tmem86b	1.773011	3.60E-26	7.11E-26
Mterf3	0.656153	3.72E-26	7.36E-26
Trmt5	1.306262	3.76E-26	7.43E-26
Slc26a6	1.870251	3.93E-26	7.76E-26
Gm44114	2.898953	4.04E-26	7.99E-26
Gm44996	1.838642	3.98E-26	7.86E-26
Gm7435	1.891267	4.13E-26	8.15E-26
lkbkg	0.835534	4.12E-26	8.13E-26
Cd276	1.798854	4.68E-26	9.24E-26
Stk16	0.580839	5.31E-26	1.05E-25
Bcl2l11	0.679746	5.35E-26	1.05E-25
Col20a1	2.162315	5.59E-26	1.10E-25
Cacybp	0.377723	5.58E-26	1.10E-25
Slc25a10	1.082721	5.81E-26	1.15E-25
Spsb3	0.748438	5.82E-26	1.15E-25
Gm45358	1.953583	6.03E-26	1.19E-25
A930030B	3.900185	6.68E-26	1.32E-25
Mettl5	0.701503	6.19E-26	1.22E-25
Pdzd4	1.297695	6.48E-26	1.28E-25
Galk2	0.992034	6.58E-26	1.30E-25
Sugp1	0.694639	6.88E-26	1.36E-25
Rpusd2	2.217393	7.60E-26	1.50E-25
Pim2	1.425742	7.61E-26	1.50E-25
Yme1l1	0.425108	7.87E-26	1.55E-25
Ythdc2	0.751299	8.01E-26	1.57E-25
Rnf122	1.0695	8.17E-26	1.61E-25
Zfp748	0.96278	8.36E-26	1.64E-25
Zxdc	0.75228	8.65E-26	1.70E-25
Ddx18	0.483017	9.08E-26	1.78E-25
Naa35	0.483444	9.33E-26	1.83E-25
Trmt112	0.423035	9.47E-26	1.86E-25
lws1	0.489964	1.02E-25	2.01E-25
Gm14698	1.960733	1.07E-25	2.10E-25
Polr2j	0.395359	1.10E-25	2.15E-25
Cep78	1.106919	1.09E-25	2.15E-25
Snip1	0.787103	1.11E-25	2.18E-25
Gm45360	2.692082	1.26E-25	2.48E-25

Casc1	2.370419	1.25E-25	2.46E-25
Cenpe	1.927989	1.29E-25	2.53E-25
Rtn4ip1	1.553165	1.28E-25	2.51E-25
Zfas1	0.48269	1.31E-25	2.56E-25
Prpf40b	0.65163	1.32E-25	2.58E-25
Cox20	0.45004	1.35E-25	2.65E-25
Gm37490	1.700621	1.35E-25	2.64E-25
Ppp4r3b	0.381572	1.36E-25	2.66E-25
Mxd1	0.822307	1.37E-25	2.69E-25
Gm6598	1.757814	1.50E-25	2.94E-25
Rcc1	1.447723	1.49E-25	2.92E-25
Slc25a38	1.032424	1.52E-25	2.98E-25
Cnot2	0.539435	1.57E-25	3.07E-25
Tm9sf4	0.509824	1.60E-25	3.12E-25
Uvssa	0.530441	1.66E-25	3.25E-25
Fabp7	2.322869	1.74E-25	3.40E-25
Ing2	0.517679	1.79E-25	3.51E-25
Haus1	0.965619	1.93E-25	3.78E-25
Cul1	0.391549	1.95E-25	3.82E-25
Gins2	1.402962	1.97E-25	3.86E-25
Gm42853	1.544684	2.13E-25	4.16E-25
Swsap1	1.169252	2.14E-25	4.18E-25
Nptx1	1.697483	2.16E-25	4.22E-25
Vkorc1l1	0.614593	2.26E-25	4.42E-25
Gm38073	4.640797	2.54E-25	4.95E-25
Dna2	1.749405	2.31E-25	4.51E-25
Gm47615	1.151822	2.31E-25	4.50E-25
Gm13349	1.509285	2.34E-25	4.56E-25
Pgs1	0.743279	2.48E-25	4.85E-25
Fam98a	0.738534	2.52E-25	4.91E-25
Ubxn2b	0.778978	2.55E-25	4.98E-25
Csnk2a2	0.490784	2.62E-25	5.10E-25
Prkd1	0.761184	2.64E-25	5.16E-25
Abhd13	0.72017	2.70E-25	5.26E-25
Cdo1	1.798696	2.94E-25	5.74E-25
Pam16	0.448299	3.01E-25	5.87E-25
Pls1	1.36327	3.06E-25	5.96E-25
Imp1l	0.489539	3.15E-25	6.13E-25
Mbp	1.290759	3.19E-25	6.21E-25
Galt	0.787621	3.70E-25	7.20E-25
Gm49096	2.940569	3.88E-25	7.55E-25
Rps19-ps3	1.504571	3.80E-25	7.39E-25
Kat6a	0.376019	3.85E-25	7.50E-25
Clpx	0.500615	4.24E-25	8.24E-25
C130080G	3.986331	4.74E-25	9.21E-25
Catsper2	1.948406	4.41E-25	8.57E-25
Gtf2ird2	1.280492	4.63E-25	8.99E-25

Gm49864	1.843633	4.83E-25	9.39E-25
Cbx4	0.739278	5.13E-25	9.97E-25
Zc3h12b	1.286869	5.17E-25	1.00E-24
Dusp22	0.492768	5.68E-25	1.10E-24
Ak4	1.030379	5.72E-25	1.11E-24
Mapk11	1.165102	5.81E-25	1.13E-24
Ppip5k2	0.820239	6.03E-25	1.17E-24
Trim23	0.86228	6.28E-25	1.22E-24
A930007A	1.84654	6.57E-25	1.27E-24
Smg6	0.478498	6.65E-25	1.29E-24
Olfr46	3.299716	7.42E-25	1.44E-24
Celf4	0.594803	7.53E-25	1.46E-24
Zkscan5	1.098671	7.61E-25	1.47E-24
Cyb5r4	0.663389	7.64E-25	1.48E-24
Parp6	0.701396	7.69E-25	1.49E-24
Taf8	0.839597	7.76E-25	1.50E-24
Nufip1	0.816052	7.90E-25	1.53E-24
Zfp410	0.701788	7.99E-25	1.55E-24
Rps19bp1	0.584438	8.15E-25	1.58E-24
Gm7072	0.760625	8.14E-25	1.57E-24
Thumpd1	0.653774	8.18E-25	1.58E-24
Trp53rkb	0.896245	8.29E-25	1.60E-24
Gm10244	1.911837	8.78E-25	1.70E-24
Gm3793	2.350487	8.90E-25	1.72E-24
Ankrd13b	1.348301	8.95E-25	1.73E-24
Zfp862-ps	0.620097	8.97E-25	1.73E-24
Smpd2	0.653765	9.14E-25	1.77E-24
Gm11754	3.09099	9.57E-25	1.85E-24
Gm37824	2.784057	9.93E-25	1.92E-24
P4ha1	0.490163	9.90E-25	1.91E-24
Gm15834	2.491793	1.06E-24	2.04E-24
Gm38253	1.90698	1.03E-24	1.98E-24
Slc6a15	1.404949	1.01E-24	1.96E-24
Gm4707	1.309701	1.06E-24	2.04E-24
Sdhaf3	0.894105	1.08E-24	2.08E-24
Thumpd3	0.786478	1.16E-24	2.23E-24
Spag1	1.259405	1.18E-24	2.27E-24
Gm9706	1.773435	1.22E-24	2.35E-24
Fbxo43	3.185994	1.31E-24	2.52E-24
Cct4	0.347803	1.26E-24	2.43E-24
Klhl11	0.929845	1.38E-24	2.65E-24
Asb8	0.71724	1.38E-24	2.67E-24
Rps11-ps1	0.816129	1.43E-24	2.75E-24
Serbp1	0.247406	1.56E-24	3.01E-24
Scrn2	0.853045	1.58E-24	3.03E-24
Zfp383	1.022535	1.59E-24	3.07E-24
Rnf41	0.721093	1.67E-24	3.21E-24

Pask	2.178653	1.76E-24	3.38E-24
Zfp346	0.902109	1.83E-24	3.52E-24
Ctu2	0.863037	1.84E-24	3.55E-24
Smim8	0.638205	1.87E-24	3.59E-24
Gm48225	1.097162	1.89E-24	3.63E-24
Zfp174	1.712135	2.06E-24	3.96E-24
Tsn	0.319387	2.17E-24	4.18E-24
Mtmr14	0.884941	2.27E-24	4.36E-24
E030022I1	0.983404	2.31E-24	4.44E-24
Sirt6	0.958747	2.44E-24	4.69E-24
C030006K	0.859955	2.52E-24	4.84E-24
Zfp709	1.312501	2.56E-24	4.90E-24
Cog1	0.793219	2.58E-24	4.95E-24
Sars	0.422705	2.64E-24	5.06E-24
Ints10	0.73305	2.74E-24	5.26E-24
Zfp959	1.03333	2.81E-24	5.40E-24
Stk11	0.448995	2.87E-24	5.50E-24
Cops8	0.470692	3.15E-24	6.03E-24
Dynlt1c	1.572346	3.26E-24	6.24E-24
Ipp	1.150537	3.23E-24	6.18E-24
Vps45	0.739475	3.25E-24	6.23E-24
Ccdc169	2.476753	3.48E-24	6.66E-24
Dnajb6	0.333902	3.48E-24	6.65E-24
Slc66a1	1.203384	3.59E-24	6.87E-24
Sap130	0.65415	3.70E-24	7.08E-24
Uchl3	0.715786	3.75E-24	7.17E-24
Srp19	0.407204	3.90E-24	7.44E-24
Gca	0.893672	3.89E-24	7.43E-24
Ppfia3	1.330414	3.97E-24	7.59E-24
Nfxl1	0.847328	4.03E-24	7.70E-24
Gm13620	1.866391	4.29E-24	8.19E-24
Tmpo	0.34138	4.29E-24	8.19E-24
Riok1	0.551529	4.37E-24	8.34E-24
Gm11713	0.964075	4.47E-24	8.54E-24
Gm47659	3.337872	4.80E-24	9.15E-24
Hpcal1	0.457567	4.52E-24	8.63E-24
1700030KI	1.273982	4.76E-24	9.08E-24
Zfp280b	1.099578	4.94E-24	9.43E-24
Mgarp	0.297358	5.32E-24	1.01E-23
Ccdc137	0.867197	5.06E-24	9.65E-24
Vps33b	0.987417	5.14E-24	9.80E-24
Pcdhga12	0.865544	5.19E-24	9.90E-24
Sf3b3	0.424097	5.22E-24	9.94E-24
Gm17315	2.334087	5.98E-24	1.14E-23
2310043P	2.743541	6.26E-24	1.19E-23
Sf3b4	0.567925	6.00E-24	1.14E-23
Usb1	1.101117	6.23E-24	1.19E-23

Timm10	0.722184	6.31E-24	1.20E-23
Mif4gd	0.466266	6.61E-24	1.26E-23
Uba3	0.541081	6.62E-24	1.26E-23
Rrp9	0.842722	6.72E-24	1.28E-23
Gorab	0.854688	6.87E-24	1.31E-23
Dynlrb2	3.037347	7.60E-24	1.44E-23
Pign	0.843118	7.20E-24	1.37E-23
Pnpt1	0.882468	7.26E-24	1.38E-23
Gm4204	1.184596	7.33E-24	1.39E-23
Akap5	2.502159	7.79E-24	1.48E-23
Noa1	1.026997	7.72E-24	1.47E-23
Tmem101	0.722457	7.85E-24	1.49E-23
Amy1	0.941634	7.88E-24	1.50E-23
Gm20342	0.752981	7.92E-24	1.50E-23
Efcab12	2.354424	8.06E-24	1.53E-23
Slc39a3	0.709844	8.33E-24	1.58E-23
AA413626	2.963414	8.67E-24	1.65E-23
Ints12	0.835157	8.79E-24	1.67E-23
Rfc4	0.942469	8.92E-24	1.69E-23
Ppil1	0.791722	9.55E-24	1.81E-23
Nckipsd	1.002869	9.57E-24	1.82E-23
Gm37303	1.503899	9.64E-24	1.83E-23
Ogfod2	0.964021	9.70E-24	1.84E-23
Gm5176	1.957423	1.06E-23	2.01E-23
Gnpat	0.631243	1.07E-23	2.02E-23
Gm53019	4.143436	1.13E-23	2.14E-23
Eif5b	0.313944	1.10E-23	2.07E-23
Ndufs3	0.432264	1.11E-23	2.09E-23
Trappc11	0.61032	1.11E-23	2.09E-23
Phactr1	0.43028	1.18E-23	2.23E-23
Sec23a	0.618071	1.18E-23	2.23E-23
Zswim9	0.937373	1.19E-23	2.24E-23
Toe1	0.748874	1.24E-23	2.34E-23
Zfp935	1.114583	1.29E-23	2.43E-23
Rfng	0.813294	1.37E-23	2.59E-23
Alkbh3	0.767185	1.38E-23	2.60E-23
Gm37366	1.819725	1.52E-23	2.87E-23
Rpa2	0.812279	1.52E-23	2.86E-23
Zfp354c	0.865082	1.58E-23	2.97E-23
BC026513	2.117592	1.62E-23	3.05E-23
Prr11	1.743299	1.61E-23	3.04E-23
Dcaf15	1.101217	1.65E-23	3.11E-23
Tgs1	0.46812	1.71E-23	3.22E-23
Evi5l	0.894846	1.71E-23	3.22E-23
Gm2531	1.287338	1.77E-23	3.33E-23
Abitram	1.010682	1.88E-23	3.54E-23
Gm43162	1.261741	1.91E-23	3.60E-23

Gm42685	1.992698	1.95E-23	3.68E-23
Hdac6	0.944097	1.93E-23	3.63E-23
Gm10101	2.325254	2.01E-23	3.79E-23
Cenpq	1.13691	1.98E-23	3.74E-23
Zbtb48	1.022717	2.00E-23	3.77E-23
Dclre1a	0.972442	2.04E-23	3.83E-23
Ganab	0.47879	2.19E-23	4.13E-23
Wasl	0.405772	2.20E-23	4.15E-23
BC046251	2.241042	2.28E-23	4.29E-23
Ccdc47	0.339185	2.29E-23	4.31E-23
Gm37106	1.345249	2.37E-23	4.45E-23
Med23	0.747449	2.40E-23	4.51E-23
Cog6	0.707247	2.41E-23	4.53E-23
Sirt2	0.41342	2.45E-23	4.61E-23
Gm35842	3.283498	2.61E-23	4.89E-23
Gm42840	1.841797	2.64E-23	4.96E-23
Vps29	0.3663	2.72E-23	5.11E-23
Gm50221	5.738888	3.05E-23	5.73E-23
Scn4a	2.56149	2.92E-23	5.48E-23
Fam151b	1.559956	2.88E-23	5.40E-23
Sf3b5	0.378221	3.02E-23	5.67E-23
Timm29	0.683987	3.03E-23	5.69E-23
Gm42571	1.166815	3.13E-23	5.87E-23
Tedc2	1.190076	3.36E-23	6.29E-23
Cyp4f13	0.913903	3.36E-23	6.30E-23
Ndufb5	0.312078	3.43E-23	6.43E-23
Zfp13	1.190101	3.50E-23	6.56E-23
Gm40309	0.832404	3.51E-23	6.58E-23
Tuba1b	0.271799	3.60E-23	6.74E-23
Vps9d1	0.73134	3.70E-23	6.93E-23
Sart3	0.682112	3.88E-23	7.27E-23
Tfg	0.488674	4.06E-23	7.59E-23
Suds3	0.452186	4.20E-23	7.85E-23
Fahd1	0.702625	4.19E-23	7.84E-23
Gigyf1	0.455123	4.21E-23	7.87E-23
3830408C	1.423056	4.33E-23	8.09E-23
Opa1	0.548695	4.42E-23	8.26E-23
Abcc10	1.412204	5.16E-23	9.64E-23
B3galnt2	0.771671	5.31E-23	9.92E-23
Mrpl47	0.795273	5.44E-23	1.02E-22
Fzr1	0.77036	5.73E-23	1.07E-22
Gatc	0.747856	5.74E-23	1.07E-22
Zscan12	0.842882	5.81E-23	1.08E-22
Gm36266	2.001979	5.92E-23	1.10E-22
Ankrd44	0.651521	5.86E-23	1.09E-22
Flad1	1.144618	6.27E-23	1.17E-22
Cops5	0.453583	6.30E-23	1.18E-22

Mrps17	0.46508	6.33E-23	1.18E-22
Gzf1	0.650905	6.35E-23	1.18E-22
Zfp672	0.778146	6.45E-23	1.20E-22
Gm7616	3.86043	7.05E-23	1.31E-22
Nsg2	1.235601	6.56E-23	1.22E-22
Stk25	0.425565	6.63E-23	1.23E-22
Kyat1	1.047139	6.63E-23	1.23E-22
E130317F2	1.497297	6.80E-23	1.27E-22
Gm45483	1.80374	7.01E-23	1.31E-22
3110031N	4.102855	7.67E-23	1.43E-22
Gm5141	1.322049	7.29E-23	1.36E-22
Gm38376	1.391619	7.81E-23	1.45E-22
Zfp944	0.988682	7.90E-23	1.47E-22
Srpx	2.573052	8.22E-23	1.53E-22
A930016O	1.928067	8.09E-23	1.51E-22
Htra2	0.741356	8.19E-23	1.52E-22
Tspan31	0.473559	9.15E-23	1.70E-22
Cnpy3	0.615741	9.17E-23	1.70E-22
Vps8	0.80164	9.22E-23	1.71E-22
Pm20d2	3.165924	1.01E-22	1.88E-22
Gm48766	1.738021	1.02E-22	1.89E-22
Rtel1	1.16362	1.04E-22	1.93E-22
Rpp30	0.605564	1.09E-22	2.02E-22
Cilk1	0.480814	1.10E-22	2.04E-22
Rxrg	2.467518	1.14E-22	2.11E-22
Gm42572	0.959625	1.15E-22	2.14E-22
Rsad1	1.170404	1.28E-22	2.38E-22
Gm42690	2.003091	1.32E-22	2.44E-22
Zfp655	0.634136	1.32E-22	2.45E-22
Rpap1	0.878889	1.35E-22	2.51E-22
Slc27a4	0.913266	1.38E-22	2.56E-22
Wtap	0.437178	1.44E-22	2.66E-22
Nol10	0.919633	1.43E-22	2.65E-22
Gm45176	1.507697	1.50E-22	2.78E-22
Gm44624	2.088427	1.63E-22	3.01E-22
Zswim8	0.484941	1.65E-22	3.06E-22
Ralgapa2	0.683086	1.68E-22	3.10E-22
Zfp251	0.806548	1.68E-22	3.12E-22
Cir1	0.498729	1.71E-22	3.16E-22
Tubgcp6	1.001177	1.71E-22	3.16E-22
Ache	1.278425	1.94E-22	3.59E-22
Dhrs7b	0.726131	2.04E-22	3.76E-22
Gm45501	0.96704	2.12E-22	3.92E-22
AA986860	1.72485	2.15E-22	3.97E-22
Ep300	0.367743	2.16E-22	3.99E-22
Zfp623	0.934093	2.15E-22	3.98E-22
Lrp8os3	2.671052	2.24E-22	4.13E-22

Airn	0.88086	2.27E-22	4.20E-22
Gm49747	1.82117	2.34E-22	4.31E-22
Ift43	0.472101	2.44E-22	4.51E-22
Fbxl18	0.951789	2.47E-22	4.56E-22
Zfp689	1.317693	2.48E-22	4.58E-22
Snrnp200	0.407014	2.54E-22	4.68E-22
Lss	0.937676	2.61E-22	4.81E-22
Bpnt1	0.661401	2.74E-22	5.05E-22
Ppp1r37	0.538057	2.75E-22	5.08E-22
Zcchc9-ps	3.342783	2.94E-22	5.43E-22
2810403D	0.997645	2.80E-22	5.17E-22
Sh3bp5l	0.745768	2.86E-22	5.27E-22
Gm17690	1.747788	2.89E-22	5.32E-22
Wdr12	0.740606	2.89E-22	5.33E-22
Spout1	0.854118	2.95E-22	5.43E-22
Nup107	0.971519	3.00E-22	5.52E-22
Fbxo28	0.58158	3.09E-22	5.69E-22
Gm49886	3.664591	3.33E-22	6.13E-22
Hspa9	0.376126	3.15E-22	5.80E-22
Pggt1b	0.392794	3.17E-22	5.83E-22
Gm46218	1.596636	3.24E-22	5.96E-22
Usp31	0.724203	3.30E-22	6.08E-22
Gm45472	4.719826	3.62E-22	6.66E-22
Pias2	0.593788	3.38E-22	6.22E-22
Rnf214	0.571332	3.41E-22	6.28E-22
Kdm1b	1.089546	3.42E-22	6.28E-22
Gm50462	1.222951	3.49E-22	6.42E-22
Josd1	0.684083	3.50E-22	6.43E-22
Elac1	0.736329	3.71E-22	6.83E-22
Ybey	1.072609	3.80E-22	6.98E-22
Yipf2	0.893287	3.85E-22	7.07E-22
Gm7278	3.281538	4.32E-22	7.93E-22
Zfp457	2.983483	4.57E-22	8.38E-22
Poli	1.256113	4.38E-22	8.04E-22
Gm49194	2.443333	4.46E-22	8.18E-22
Clcn6	0.766731	4.57E-22	8.38E-22
Ccar2	0.720357	4.73E-22	8.67E-22
Gm45640	1.692607	4.76E-22	8.73E-22
Rbm12b1	0.969669	4.76E-22	8.72E-22
Yif1b	0.451357	4.88E-22	8.95E-22
Zfp647	1.158928	4.96E-22	9.10E-22
Nip7	0.574328	5.14E-22	9.42E-22
A430103D	1.542471	5.31E-22	9.74E-22
Rnaseh2b	0.960581	5.47E-22	1.00E-21
Ube2a	0.506606	5.61E-22	1.03E-21
Dhx15	0.376711	6.05E-22	1.11E-21
Khdrbs1	0.362584	6.11E-22	1.12E-21

Dmwd	0.4781	6.51E-22	1.19E-21
Gm37860	2.004442	6.55E-22	1.20E-21
Rptor	0.682735	6.59E-22	1.21E-21
Sp3os	0.624555	6.65E-22	1.22E-21
Zfp68	0.50021	6.93E-22	1.27E-21
Trim41	0.573788	6.98E-22	1.28E-21
Ascl4	3.12001	7.33E-22	1.34E-21
Trmt13	0.619708	7.18E-22	1.31E-21
Uba6	0.633122	7.24E-22	1.32E-21
Gm43182	2.80461	7.60E-22	1.39E-21
Taf1	0.407797	7.46E-22	1.36E-21
Chpf	0.884324	7.89E-22	1.44E-21
Heatr3	0.788122	7.97E-22	1.46E-21
Slc19a2	1.351948	8.29E-22	1.51E-21
Gm37632	2.168768	8.70E-22	1.59E-21
Rdh13	1.054154	8.67E-22	1.58E-21
Gm43896	2.250281	9.28E-22	1.69E-21
Lias	0.591988	9.34E-22	1.70E-21
Ints4	0.762911	9.39E-22	1.71E-21
Aco2	0.361355	9.55E-22	1.74E-21
Get3	0.571258	9.83E-22	1.79E-21
Gm42967	2.129314	1.05E-21	1.91E-21
Mpv17l	1.051239	1.03E-21	1.88E-21
Bod1	0.417983	1.10E-21	2.00E-21
Ankrd13c	0.530961	1.20E-21	2.18E-21
Golt1b	0.6808	1.22E-21	2.22E-21
Dbndd2	0.801528	1.26E-21	2.30E-21
Gm15743	3.052671	1.34E-21	2.44E-21
U2af1	0.364834	1.30E-21	2.36E-21
Zmym1	0.810424	1.35E-21	2.45E-21
Ado	0.704844	1.39E-21	2.53E-21
Grb10	0.448652	1.41E-21	2.56E-21
Gm21926	0.729779	1.42E-21	2.59E-21
Hars2	0.736859	1.43E-21	2.59E-21
Prelid1	0.396335	1.44E-21	2.61E-21
Usp3	0.542307	1.43E-21	2.60E-21
Lsm2	0.488138	1.44E-21	2.62E-21
Ccdc142os	1.506254	1.46E-21	2.65E-21
Etaa1	0.738106	1.48E-21	2.69E-21
Clca1	2.959288	1.52E-21	2.75E-21
Pomc	0.872934	1.49E-21	2.71E-21
Nfs1	0.613905	1.50E-21	2.73E-21
Gm36952	1.494635	1.57E-21	2.85E-21
Fcrl5	3.912476	1.68E-21	3.05E-21
Bud13	0.91995	1.76E-21	3.19E-21
Elp4	0.703125	1.76E-21	3.20E-21
Mtm1	0.72813	1.82E-21	3.30E-21

Aff4	0.316441	1.85E-21	3.35E-21
Gm37181	3.195225	2.01E-21	3.65E-21
Zfp317	0.772027	1.92E-21	3.48E-21
Gm45406	2.313542	1.99E-21	3.60E-21
Cnot11	0.618015	1.97E-21	3.56E-21
Ibtk	0.648427	1.98E-21	3.58E-21
Mrpl44	0.63788	1.98E-21	3.58E-21
RbmX2	0.719403	1.99E-21	3.60E-21
Rbm41	1.02882	2.12E-21	3.84E-21
Pot1a	0.678614	2.21E-21	4.01E-21
Gm42559	1.341497	2.28E-21	4.13E-21
Ap1ar	0.551185	2.44E-21	4.41E-21
Rnf220	0.488461	2.75E-21	4.98E-21
Cdyl	0.625888	2.81E-21	5.09E-21
Smarcad1	0.545899	2.83E-21	5.11E-21
Det1	1.126496	2.85E-21	5.15E-21
Fam222b	0.589153	2.96E-21	5.35E-21
Kif20b	1.523876	3.08E-21	5.57E-21
Nkapd1	0.539684	3.11E-21	5.62E-21
Ctsb	0.304878	3.14E-21	5.68E-21
4732496C	1.685439	3.15E-21	5.69E-21
Cbx1	0.305184	3.19E-21	5.77E-21
Smim31	4.512669	3.77E-21	6.80E-21
Wdr38	1.975699	3.55E-21	6.42E-21
ENSMUSG	1.656208	3.72E-21	6.71E-21
Pip4p1	0.527158	3.76E-21	6.79E-21
Rfesd	0.811981	3.77E-21	6.81E-21
2510017J1	1.534553	3.95E-21	7.13E-21
Ppih	0.819253	3.96E-21	7.15E-21
Gmeb1	0.671258	4.05E-21	7.31E-21
Usp8	0.439192	4.19E-21	7.55E-21
Trappc10	0.471186	4.22E-21	7.61E-21
Odad3	2.537496	4.32E-21	7.78E-21
Ap4m1	0.73849	4.26E-21	7.68E-21
Trappc13	0.492983	4.35E-21	7.84E-21
Cacul1	0.578215	4.35E-21	7.84E-21
Gm16701-	1.550639	4.39E-21	7.91E-21
Zbtb40	1.00329	4.52E-21	8.15E-21
Rabgap1	0.430446	4.59E-21	8.28E-21
4930534D	3.159162	4.81E-21	8.67E-21
Klhdc4	0.809657	4.85E-21	8.74E-21
Cnga3	2.644753	5.05E-21	9.09E-21
Wbp2	0.33188	4.95E-21	8.91E-21
Fam114a2	0.411692	5.16E-21	9.28E-21
4833428L1	3.204061	5.47E-21	9.84E-21
Gm43462	0.993725	5.24E-21	9.43E-21
Btln9	3.304079	5.53E-21	9.95E-21

Traf3	0.720937	5.42E-21	9.75E-21
Gm1976	1.52599	5.53E-21	9.95E-21
Thop1	1.089823	5.54E-21	9.97E-21
Gm16169	3.891712	5.87E-21	1.06E-20
Miip	0.825613	5.66E-21	1.02E-20
Gm47158	3.746115	5.99E-21	1.08E-20
Gm5112	1.291382	6.04E-21	1.08E-20
Gprin1	1.538314	6.09E-21	1.09E-20
Lamp3	2.558747	6.23E-21	1.12E-20
Rrn3	0.637292	6.23E-21	1.12E-20
Tmem209	0.788317	6.55E-21	1.18E-20
Dnajc13	0.531995	6.59E-21	1.18E-20
Gm43566	2.23905	6.81E-21	1.22E-20
Mtif3	0.652818	6.79E-21	1.22E-20
Reep2	0.991473	6.83E-21	1.23E-20
Twink	1.033624	6.88E-21	1.23E-20
Entpd5	0.845822	6.93E-21	1.24E-20
Asf1a	0.523176	6.99E-21	1.25E-20
Spata5	0.884365	6.99E-21	1.25E-20
Ipo4	0.807185	7.14E-21	1.28E-20
Dnaaf5	1.173655	7.18E-21	1.29E-20
Gm44091	2.882296	7.57E-21	1.36E-20
Ighmbp2	1.155185	7.63E-21	1.37E-20
Med1	0.433363	8.07E-21	1.45E-20
Gm53012	1.156448	8.14E-21	1.46E-20
Mfsd2b	1.979612	8.15E-21	1.46E-20
Taok1	0.280006	8.24E-21	1.48E-20
Gm9750	4.553131	8.98E-21	1.61E-20
Atp6v1h	0.490195	8.43E-21	1.51E-20
Ppie	0.587274	8.56E-21	1.53E-20
Gm37447	1.536794	8.74E-21	1.56E-20
Eml6	0.799732	8.79E-21	1.57E-20
Ston2	0.762733	9.47E-21	1.70E-20
Dnm3os	1.4965	9.67E-21	1.73E-20
2500004C1	1.213212	9.82E-21	1.76E-20
Gm41804	2.257426	1.02E-20	1.83E-20
Slc25a47	1.673625	1.03E-20	1.84E-20
Grk4	0.956519	1.03E-20	1.84E-20
Tinf2	0.90992	1.05E-20	1.87E-20
Fgf9	0.685361	1.05E-20	1.88E-20
Tmem127	0.516995	1.08E-20	1.93E-20
Gm42890	2.830793	1.17E-20	2.08E-20
Rwdd3	1.114157	1.15E-20	2.05E-20
Ndufaf3	0.469734	1.21E-20	2.16E-20
Szt2	0.902474	1.21E-20	2.16E-20
Gm49089	1.88245	1.23E-20	2.20E-20
Hdx	1.532739	1.26E-20	2.24E-20

Prdm4	0.783101	1.28E-20	2.28E-20
Abcb10	0.712536	1.35E-20	2.41E-20
Rps2-ps9	1.163287	1.43E-20	2.55E-20
Pigbos1	0.661426	1.47E-20	2.61E-20
Brat1	0.982882	1.46E-20	2.61E-20
Dmac2l	0.897151	1.50E-20	2.68E-20
Rhobtb2	0.745693	1.53E-20	2.72E-20
Exog	1.151849	1.54E-20	2.74E-20
Zbtb45	0.774575	1.55E-20	2.75E-20
Zfp382	1.441813	1.67E-20	2.98E-20
Gm45444	2.667436	1.74E-20	3.10E-20
Haus6	0.909536	1.72E-20	3.07E-20
Syndig1l	1.821563	1.74E-20	3.09E-20
Exosc8	0.544921	1.74E-20	3.10E-20
BC005624	0.379882	1.76E-20	3.12E-20
Jrk	1.446776	1.76E-20	3.14E-20
Ypel1	1.688601	1.81E-20	3.21E-20
Cct3	0.358959	1.80E-20	3.21E-20
Tmem28	3.839102	1.91E-20	3.39E-20
Tcta	0.627797	1.83E-20	3.25E-20
Slc39a14	1.10412	1.84E-20	3.28E-20
Snhg8	0.313138	1.88E-20	3.34E-20
Smyd5	1.130978	1.87E-20	3.33E-20
Gm41757	3.671276	1.96E-20	3.49E-20
Atg2b	0.788003	1.94E-20	3.45E-20
Atad3aos	1.260683	2.00E-20	3.55E-20
Pfkfb4	1.193039	2.11E-20	3.75E-20
Cutc	0.748399	2.15E-20	3.82E-20
Ccdc187	3.289293	2.25E-20	4.00E-20
Sbf1	0.596109	2.24E-20	3.97E-20
H4c9	0.70062	2.29E-20	4.07E-20
Tspyl1	0.438269	2.35E-20	4.17E-20
Kiz	0.74751	2.35E-20	4.17E-20
Btbd8	0.79094	2.43E-20	4.31E-20
9130023H	1.206395	2.45E-20	4.34E-20
Ccdc87	2.909848	2.53E-20	4.49E-20
Gm7180	1.272146	2.48E-20	4.40E-20
Sdccag8	0.842186	2.58E-20	4.57E-20
Fiz1	0.682487	2.62E-20	4.64E-20
Cstf2	0.657849	2.64E-20	4.67E-20
Gm31282	2.140009	2.90E-20	5.14E-20
Nvl	0.542131	2.94E-20	5.20E-20
Gns	0.444725	3.07E-20	5.45E-20
Gm10644	1.573717	3.09E-20	5.48E-20
Gm42633	1.416931	3.19E-20	5.66E-20
Rel	0.972521	3.20E-20	5.66E-20
Pds5a	0.402193	3.20E-20	5.67E-20

Dhfr	0.886027	3.21E-20	5.68E-20
Kirrel	0.652874	3.24E-20	5.73E-20
Gm37174	1.482643	3.69E-20	6.52E-20
Tmem198	1.691643	3.80E-20	6.72E-20
Proser1	0.606528	4.05E-20	7.16E-20
Cfl2	0.357131	4.34E-20	7.67E-20
Rbx1	0.237389	4.75E-20	8.39E-20
Zfp58	1.153482	4.76E-20	8.42E-20
Mettl22	1.078228	4.86E-20	8.59E-20
Tincr	1.828718	4.97E-20	8.77E-20
Zswim3	1.31304	5.07E-20	8.96E-20
Tars2	0.771526	5.15E-20	9.10E-20
Cbwd1	0.700925	5.20E-20	9.18E-20
Rpl10a	0.225107	5.27E-20	9.30E-20
Dock3	1.294977	5.49E-20	9.68E-20
Gm47694	1.993177	5.65E-20	9.96E-20
Brix1	0.552206	5.67E-20	9.99E-20
G630016G	3.771459	6.09E-20	1.07E-19
Spef1l	2.731991	5.99E-20	1.06E-19
Rsf1	0.331026	6.18E-20	1.09E-19
Zfp870	0.972566	6.20E-20	1.09E-19
Tmem68	0.744868	6.46E-20	1.14E-19
2810039B	1.493052	6.47E-20	1.14E-19
Rita1	1.050825	6.60E-20	1.16E-19
Gm5373	3.246506	6.93E-20	1.22E-19
Zfp661	1.75931	7.02E-20	1.24E-19
Fbrs	0.565192	7.06E-20	1.24E-19
Gpr162	0.90642	7.42E-20	1.31E-19
Wdr55	1.113917	7.58E-20	1.33E-19
Zfp940	1.382867	7.62E-20	1.34E-19
Pdcd2l	0.753504	7.64E-20	1.34E-19
Gapvd1	0.339313	7.74E-20	1.36E-19
Ccdc90b	0.5049	7.77E-20	1.37E-19
Gm17705	2.110696	7.98E-20	1.40E-19
Gm44430	3.138358	8.41E-20	1.48E-19
Gm47773	2.164466	8.46E-20	1.49E-19
Fam71e1	1.182493	8.49E-20	1.49E-19
Repin1	0.766593	8.59E-20	1.51E-19
Bloc1s4	0.549861	8.60E-20	1.51E-19
Gm10827	1.875234	8.71E-20	1.53E-19
Mettl23	0.469729	8.83E-20	1.55E-19
Srxn1	0.861515	8.88E-20	1.56E-19
Gm43513	1.781968	9.11E-20	1.60E-19
Mettl4	0.691229	9.46E-20	1.66E-19
Gm43081	2.43154	9.83E-20	1.72E-19
Gm50394	2.701265	1.01E-19	1.77E-19
Mad2l1bp	0.798271	9.76E-20	1.71E-19

Gm43541	2.314113	1.02E-19	1.78E-19
Gm3052	2.461798	1.01E-19	1.78E-19
Tomm22	0.365354	1.02E-19	1.78E-19
Ddx52	0.537512	1.02E-19	1.79E-19
Paf1	0.461045	1.05E-19	1.84E-19
Col4a4	0.686286	1.06E-19	1.86E-19
Ilvbl	0.635952	1.08E-19	1.90E-19
Zfp768	0.680595	1.11E-19	1.94E-19
Gm43774	1.456212	1.14E-19	1.99E-19
Wipf2	0.498108	1.15E-19	2.02E-19
Unk	0.684024	1.16E-19	2.03E-19
Kif22	1.189682	1.17E-19	2.05E-19
5730405O	1.6672	1.19E-19	2.09E-19
Mllt3	0.431227	1.23E-19	2.16E-19
Gm38315	2.518263	1.29E-19	2.26E-19
Ebi3	1.755894	1.31E-19	2.29E-19
Zfp963	1.675852	1.33E-19	2.32E-19
Pomt1	1.016067	1.33E-19	2.32E-19
Guf1	0.5629	1.35E-19	2.36E-19
Drg2	0.661282	1.35E-19	2.36E-19
Asb13	0.623716	1.40E-19	2.44E-19
Virma	0.481092	1.44E-19	2.52E-19
0610012G	0.341687	1.45E-19	2.54E-19
Gm43628	1.252057	1.47E-19	2.56E-19
Gm48230	1.589742	1.48E-19	2.59E-19
1700037C	1.163042	1.49E-19	2.61E-19
A330041J	2.350416	1.53E-19	2.67E-19
Ttc17	0.626085	1.53E-19	2.66E-19
Mfap1a	0.425803	1.64E-19	2.85E-19
Cckbr	2.763208	1.65E-19	2.89E-19
Setmar	1.577422	1.76E-19	3.08E-19
Cenpf	2.524217	1.79E-19	3.12E-19
Gm43144	3.779624	1.83E-19	3.19E-19
Mtch2	0.416072	1.78E-19	3.10E-19
Ccr9	2.098052	1.91E-19	3.33E-19
Dph5	0.978408	1.90E-19	3.32E-19
Sco1	0.993335	1.92E-19	3.34E-19
Eif2d	0.793166	2.06E-19	3.58E-19
A430005L	0.539029	2.07E-19	3.60E-19
Dpm2	0.513729	2.09E-19	3.64E-19
Lyst	0.397903	2.12E-19	3.70E-19
Gulp1	0.458831	2.15E-19	3.75E-19
Lancl2	0.689485	2.16E-19	3.75E-19
Dhodh	0.870617	2.17E-19	3.77E-19
Spryd4	1.041428	2.20E-19	3.83E-19
Gm43359	0.926612	2.28E-19	3.96E-19
Polr3gl	0.463046	2.33E-19	4.04E-19

Actr10	0.323644	2.38E-19	4.14E-19
Timm21	0.623428	2.40E-19	4.18E-19
Recql5	1.042664	2.41E-19	4.19E-19
Zcchc10	0.588255	2.42E-19	4.21E-19
Rbm17	0.456704	2.50E-19	4.34E-19
Cnksr1	1.705775	2.64E-19	4.58E-19
Commd2	0.474661	2.63E-19	4.57E-19
Pgp	0.34308	2.66E-19	4.61E-19
Pigw	1.586426	2.69E-19	4.67E-19
Fem1b	0.49448	2.80E-19	4.85E-19
Asphd1	1.575643	2.84E-19	4.93E-19
Cks2	1.336344	2.86E-19	4.96E-19
Gm18292	3.969975	3.00E-19	5.20E-19
Trim60	3.40764	3.01E-19	5.21E-19
Gm47259	2.935026	3.04E-19	5.28E-19
Pcdhga4	1.670786	3.01E-19	5.22E-19
Trmt10b	0.85127	3.09E-19	5.35E-19
1600023N	2.247392	3.16E-19	5.48E-19
Mdfic2	3.777544	3.29E-19	5.70E-19
Myg1	0.597155	3.56E-19	6.16E-19
4831440D	2.166597	3.76E-19	6.51E-19
Acyp1	0.519091	3.76E-19	6.50E-19
Eif4a3	0.404885	3.78E-19	6.55E-19
Aptx	0.73606	3.86E-19	6.68E-19
Ppp2r3c	0.754329	3.97E-19	6.87E-19
Tsen2	0.778088	4.09E-19	7.07E-19
Slbp	0.497219	4.10E-19	7.09E-19
Gm48840	1.933674	4.32E-19	7.46E-19
Atoh7	2.687936	4.55E-19	7.87E-19
Slc25a16	0.598592	4.58E-19	7.92E-19
Gm39326	2.296874	4.68E-19	8.09E-19
Gm28792	3.477717	4.78E-19	8.26E-19
Eif2b2	0.564949	4.81E-19	8.30E-19
Chic1	0.705357	4.84E-19	8.35E-19
Mark2	0.393285	4.87E-19	8.41E-19
Coq5	0.545155	5.07E-19	8.75E-19
Gm44153	1.567676	5.14E-19	8.87E-19
Gm9522	2.787299	5.28E-19	9.12E-19
Gm3145	4.233693	5.45E-19	9.40E-19
Mrpl46	0.531662	5.22E-19	9.02E-19
Glp2r	3.302683	5.85E-19	1.01E-18
Gm48231	1.485771	5.65E-19	9.75E-19
Pi4ka	0.524285	5.68E-19	9.80E-19
Gm29844	4.703498	6.08E-19	1.05E-18
Ccdc65	1.15519	5.93E-19	1.02E-18
Dennd4b	0.89626	5.95E-19	1.03E-18
Gm37463	1.901609	6.34E-19	1.09E-18

Zfp128	1.470205	6.38E-19	1.10E-18
Clk3	0.581685	6.53E-19	1.13E-18
Fkbp15	0.525386	6.74E-19	1.16E-18
Chchd6	0.613444	6.85E-19	1.18E-18
Gm37529	1.51331	6.87E-19	1.18E-18
Samd10	0.964425	6.89E-19	1.19E-18
Lrrc40	0.815913	7.07E-19	1.22E-18
Zfp182	0.839713	7.09E-19	1.22E-18
Gm3435	1.328906	7.64E-19	1.31E-18
D030047H	2.885275	7.81E-19	1.34E-18
Proser3	1.300123	7.89E-19	1.36E-18
Acd	0.658006	8.12E-19	1.40E-18
Zfp469	2.435641	8.47E-19	1.46E-18
9430065F	1.761091	8.33E-19	1.43E-18
Neu1	0.60976	8.34E-19	1.43E-18
Ccdc15	1.015947	8.38E-19	1.44E-18
Ebna1bp2	0.413961	8.80E-19	1.51E-18
Gm19412	1.305972	9.16E-19	1.57E-18
330000210	1.494975	9.18E-19	1.58E-18
Tyw3	1.015491	9.19E-19	1.58E-18
Dimt1	0.675859	9.32E-19	1.60E-18
Hyls1	1.374286	9.47E-19	1.63E-18
AU022252	0.641136	9.49E-19	1.63E-18
Gm42748	1.185683	9.67E-19	1.66E-18
Dhdds	0.573306	9.84E-19	1.69E-18
Frs3	1.01311	1.04E-18	1.79E-18
Patz1	0.520085	1.10E-18	1.89E-18
Phip	0.289456	1.18E-18	2.02E-18
Dazap1	0.435616	1.18E-18	2.03E-18
Slc9a8	0.719542	1.21E-18	2.07E-18
Dnajc7	0.344153	1.22E-18	2.09E-18
Gfus	0.587773	1.22E-18	2.09E-18
Homer3	0.635653	1.22E-18	2.09E-18
Sass6	0.859246	1.26E-18	2.15E-18
Gm48604	1.509379	1.27E-18	2.17E-18
Gm45344	3.756052	1.39E-18	2.38E-18
Zkscan1	0.469545	1.35E-18	2.31E-18
Tox4	0.415706	1.36E-18	2.32E-18
Kcnh6	2.053352	1.37E-18	2.34E-18
Commd3	0.363423	1.41E-18	2.41E-18
Stag3	2.776035	1.50E-18	2.57E-18
Ccdc130	0.896215	1.59E-18	2.72E-18
Myo5a	0.617702	1.78E-18	3.04E-18
Gm13622	1.213377	1.78E-18	3.05E-18
Gm15952	1.476816	1.80E-18	3.07E-18
2700078F	1.904786	1.82E-18	3.11E-18
Pate2	2.527208	1.88E-18	3.20E-18

Slc35a2	0.658557	1.84E-18	3.15E-18
Cln5	0.995292	1.87E-18	3.20E-18
Nt5m	0.658304	1.92E-18	3.28E-18
Gm43173	2.945435	2.01E-18	3.43E-18
Gm29257	1.986578	2.01E-18	3.43E-18
A430010J1	2.626699	2.04E-18	3.49E-18
Gm16523	1.284903	2.05E-18	3.50E-18
Gm9967	1.907717	2.11E-18	3.60E-18
Ccz1	0.459483	2.13E-18	3.64E-18
Gm43300	1.224336	2.15E-18	3.66E-18
Nsd3	0.323822	2.19E-18	3.73E-18
Med20	0.620337	2.19E-18	3.73E-18
Gcc1	0.77311	2.25E-18	3.84E-18
Gmpr2	0.563023	2.27E-18	3.87E-18
Gpr107	0.500517	2.31E-18	3.93E-18
Elp1	0.637946	2.33E-18	3.97E-18
Ndc1	0.970317	2.33E-18	3.97E-18
Sipa1l3	0.577152	2.41E-18	4.10E-18
Gm49628	1.174527	2.40E-18	4.09E-18
4732416N	1.499149	2.42E-18	4.12E-18
Scfd1	0.460274	2.43E-18	4.14E-18
Phf20	0.38949	2.45E-18	4.17E-18
Nkiras1	0.534655	2.58E-18	4.39E-18
Zfp54	1.570963	2.58E-18	4.40E-18
Kri1	0.694713	2.60E-18	4.42E-18
Jpt1	0.552259	2.64E-18	4.50E-18
Secisbp2l	0.336133	2.86E-18	4.86E-18
Alg13	0.974581	3.06E-18	5.21E-18
Tjap1	0.685523	3.28E-18	5.59E-18
Sf3b1	0.244752	3.59E-18	6.10E-18
Pramel12	0.896253	3.61E-18	6.15E-18
Xrcc5	0.853143	3.64E-18	6.20E-18
Rab27a	1.236296	3.68E-18	6.26E-18
Spata2	0.642679	3.83E-18	6.50E-18
Dcaf7	0.399039	3.88E-18	6.59E-18
Tomm6os	1.799092	4.05E-18	6.88E-18
Csrnp2	1.050129	4.03E-18	6.84E-18
4933411O	3.620197	4.36E-18	7.40E-18
Gpat3	2.743977	4.48E-18	7.60E-18
Gm16283	2.228728	4.57E-18	7.76E-18
Ccdc134	1.031355	4.63E-18	7.85E-18
Aplf	1.185675	4.90E-18	8.32E-18
Thrap3	0.301597	5.25E-18	8.90E-18
Slc25a14	0.833164	5.29E-18	8.98E-18
Bex4	0.789204	5.36E-18	9.08E-18
Nup188	0.744141	5.41E-18	9.17E-18
Dtd2	0.574359	5.58E-18	9.46E-18

Gm43667	1.027635	5.75E-18	9.75E-18
Arl14ep	0.618939	5.83E-18	9.88E-18
Nub1	0.370007	5.95E-18	1.01E-17
Fam110a	0.588243	6.10E-18	1.03E-17
BC049715	2.859136	6.56E-18	1.11E-17
Dhcr7	0.872754	6.50E-18	1.10E-17
Gm9028	2.570232	6.66E-18	1.13E-17
Ecd	0.591101	6.68E-18	1.13E-17
Rexo4	0.588257	6.68E-18	1.13E-17
Rbm10	0.539606	6.73E-18	1.14E-17
Gm37906	1.028659	6.76E-18	1.14E-17
Prpf4	0.502461	7.09E-18	1.20E-17
Vps53	0.51838	7.37E-18	1.25E-17
Hspd1	0.326756	7.37E-18	1.25E-17
Pde10a	0.764321	7.38E-18	1.25E-17
Eif2b1	0.700535	7.52E-18	1.27E-17
Gm49785	1.735512	7.88E-18	1.33E-17
Stam	0.539281	7.89E-18	1.33E-17
Jmjd4	1.211157	8.01E-18	1.35E-17
Ccdc97	0.61021	8.35E-18	1.41E-17
Mff	0.309684	8.44E-18	1.42E-17
Ubp1	0.466055	8.62E-18	1.45E-17
Sez6	1.07687	8.62E-18	1.46E-17
Dbr1	0.741259	8.65E-18	1.46E-17
Cog5	0.494235	8.72E-18	1.47E-17
Dcaf11	0.464062	8.95E-18	1.51E-17
Supt5	0.356054	9.03E-18	1.52E-17
Cldn7	2.534519	9.69E-18	1.63E-17
Gm16041	3.335195	1.06E-17	1.78E-17
Zfp35	0.8003	1.05E-17	1.76E-17
Ino80e	0.538827	1.06E-17	1.78E-17
Cab39l	0.464522	1.06E-17	1.79E-17
Galc	0.801461	1.06E-17	1.79E-17
Cmtr1	0.889856	1.07E-17	1.81E-17
Zfp119b	1.008055	1.08E-17	1.83E-17
Gm35554	3.566879	1.16E-17	1.96E-17
Mrpl58	0.406226	1.15E-17	1.93E-17
Rnf19a	0.44434	1.21E-17	2.04E-17
H2-Ke6	0.732459	1.25E-17	2.10E-17
2310015A	0.786742	1.26E-17	2.13E-17
Rnf40	0.636007	1.35E-17	2.26E-17
Zfp330	0.469122	1.35E-17	2.27E-17
Sdhd	0.424759	1.40E-17	2.35E-17
Lamtor3	0.438523	1.41E-17	2.37E-17
Heatr5b	0.717243	1.42E-17	2.39E-17
Ltv1	0.739449	1.47E-17	2.47E-17
Zfp11	1.130034	1.48E-17	2.48E-17

Ubqln4	0.648617	1.48E-17	2.49E-17
Cdkal1	0.578111	1.49E-17	2.51E-17
Gm13316	2.977647	1.54E-17	2.58E-17
Rnf14	0.382377	1.53E-17	2.57E-17
Mtcp1	0.940999	1.58E-17	2.65E-17
Jmjd1c	0.275612	1.60E-17	2.68E-17
Myrip	0.559521	1.61E-17	2.71E-17
1110065P	0.444106	1.63E-17	2.73E-17
Gnpda1	0.918615	1.62E-17	2.72E-17
Nat1	2.538553	1.67E-17	2.81E-17
Gm43868	2.489747	1.70E-17	2.85E-17
Kdm8	1.578969	1.68E-17	2.82E-17
Rpia	0.641251	1.68E-17	2.81E-17
Slc35e2	0.689171	1.69E-17	2.83E-17
Atg12	0.368448	1.69E-17	2.84E-17
Gm45555	1.148368	1.70E-17	2.85E-17
Gpat4	0.517173	1.71E-17	2.86E-17
Tpp2	0.444453	1.72E-17	2.89E-17
Arfgef2	0.609874	1.74E-17	2.92E-17
Gm37105	1.173219	1.77E-17	2.97E-17
Prkdc	0.766081	1.78E-17	2.99E-17
Ptpn20	3.937356	1.92E-17	3.21E-17
2810002D	0.839456	1.84E-17	3.09E-17
Prpf19	0.414207	1.88E-17	3.15E-17
Cdon	0.564681	1.91E-17	3.20E-17
Arhgap27c	1.778175	1.93E-17	3.22E-17
Mrpl11	0.393784	1.95E-17	3.26E-17
Ulk3	0.9391	1.94E-17	3.26E-17
Lsg1	0.564048	1.99E-17	3.33E-17
Zfp966	1.893719	2.01E-17	3.36E-17
2610017A	1.957691	2.02E-17	3.38E-17
Mri1	0.744141	2.03E-17	3.39E-17
Rad51	1.918973	2.07E-17	3.45E-17
Gm14268	2.691558	2.14E-17	3.59E-17
Frg2f1	1.30519	2.14E-17	3.58E-17
D6Wsu163	0.850705	2.20E-17	3.68E-17
Ncor1	0.21953	2.26E-17	3.78E-17
Taf11	0.448576	2.30E-17	3.84E-17
Gm37745	1.833143	2.39E-17	3.99E-17
Brd1	0.329475	2.39E-17	3.99E-17
Gm4247	3.051456	2.48E-17	4.14E-17
Ndufv2	0.294026	2.49E-17	4.16E-17
Jade1	0.361104	2.51E-17	4.19E-17
B9d2	0.652574	2.50E-17	4.18E-17
Gm13066	2.565454	2.56E-17	4.27E-17
Gm43935	2.693572	2.61E-17	4.36E-17
Ubqln2	0.397679	2.57E-17	4.30E-17

Ak6	0.555745	2.62E-17	4.37E-17
5430400D	1.945271	2.69E-17	4.49E-17
Gm43138	1.253414	2.67E-17	4.45E-17
Bclaf3	0.558216	2.68E-17	4.47E-17
Gm45183	1.830568	2.74E-17	4.57E-17
Rfwd3	0.623162	2.75E-17	4.59E-17
Noc3l	0.74757	2.81E-17	4.68E-17
Gm47258	1.574388	2.84E-17	4.74E-17
Pts	0.432834	3.04E-17	5.07E-17
Mmp17	1.732143	3.10E-17	5.17E-17
Timmdc1	0.933784	3.17E-17	5.28E-17
Smyd3	0.715392	3.18E-17	5.30E-17
Gm42728	1.701917	3.28E-17	5.46E-17
Phykpl	0.666762	3.31E-17	5.51E-17
B230307C	0.83478	3.33E-17	5.55E-17
Zfp239	1.585384	3.63E-17	6.04E-17
Gm28229	1.595541	3.83E-17	6.38E-17
Mrnip	1.188508	3.86E-17	6.42E-17
Gm45620	2.903849	4.13E-17	6.86E-17
Erlin1	0.806055	4.02E-17	6.69E-17
Arfgap1	0.598558	4.03E-17	6.70E-17
Nup50	0.497746	4.21E-17	7.01E-17
Zfp438	0.87377	4.35E-17	7.24E-17
Pcid2	0.660769	4.41E-17	7.33E-17
Atp6v1c1	0.442725	4.54E-17	7.55E-17
Atp6v0a1	0.380862	4.57E-17	7.60E-17
Uvrag	0.43929	4.80E-17	7.98E-17
Ccdc84	0.752423	4.84E-17	8.05E-17
Letmd1	0.88558	5.30E-17	8.80E-17
Cacng7	0.880372	5.44E-17	9.04E-17
Tbc1d9	0.884041	5.75E-17	9.55E-17
Bcs1l	0.839458	5.89E-17	9.77E-17
Osgin2	0.812438	5.96E-17	9.89E-17
Cwc22	0.579331	6.07E-17	1.01E-16
Al597479	0.635819	6.28E-17	1.04E-16
Tm9sf1	0.9561	6.32E-17	1.05E-16
Gm11368	4.290365	7.09E-17	1.18E-16
Sars2	1.138336	7.16E-17	1.19E-16
Add3	0.268243	7.32E-17	1.21E-16
Sucla2	0.392319	7.45E-17	1.23E-16
Aatf	0.686731	7.79E-17	1.29E-16
Gm47122	1.652837	7.89E-17	1.31E-16
Platr1	3.435308	8.41E-17	1.39E-16
Tprkb	0.43719	8.26E-17	1.37E-16
Lamtor4	0.312613	8.52E-17	1.41E-16
Pomgnt1	0.527587	8.52E-17	1.41E-16
Gm44679	1.800012	8.61E-17	1.43E-16

Gm38097	2.523648	8.70E-17	1.44E-16
Map1s	0.643629	9.05E-17	1.50E-16
Adam32	2.289179	9.26E-17	1.53E-16
Amt	0.958735	9.30E-17	1.54E-16
Hes7	1.883135	9.56E-17	1.58E-16
Snhg17	0.891462	9.57E-17	1.58E-16
Atp5md	0.237076	9.85E-17	1.63E-16
Trim61	2.914033	1.01E-16	1.66E-16
Adnp2	0.628163	9.95E-17	1.64E-16
Ero1b	0.93891	1.01E-16	1.67E-16
Atrn	0.461176	1.02E-16	1.68E-16
Otop3	2.168384	1.10E-16	1.82E-16
Gm45177	2.071812	1.11E-16	1.82E-16
Bms1	0.452976	1.11E-16	1.82E-16
Zfp780b	0.696992	1.13E-16	1.87E-16
Dnaaf9	0.416341	1.14E-16	1.89E-16
2310068J1	1.803923	1.18E-16	1.95E-16
Mien1	0.339561	1.24E-16	2.04E-16
Wbp1	0.450122	1.23E-16	2.03E-16
Dnajc19	0.371414	1.24E-16	2.04E-16
Ncapd2	1.159717	1.23E-16	2.03E-16
Gm43267	1.872076	1.24E-16	2.04E-16
Eif2s1	0.44438	1.25E-16	2.06E-16
Osbpl2	0.500575	1.28E-16	2.10E-16
Uchl5	0.486427	1.29E-16	2.12E-16
Atpsckmt	0.788022	1.30E-16	2.14E-16
Pvt1	2.647451	1.36E-16	2.23E-16
Chaf1a	1.210588	1.36E-16	2.24E-16
BC024978	1.037449	1.37E-16	2.25E-16
Mettl21a	0.854459	1.38E-16	2.27E-16
Ern1	0.725712	1.39E-16	2.28E-16
Slc25a3	0.212708	1.40E-16	2.30E-16
Klhl41	2.01402	1.39E-16	2.29E-16
Gm42659	0.952758	1.40E-16	2.30E-16
3110001I2	1.206752	1.41E-16	2.32E-16
AA386476	1.307389	1.41E-16	2.32E-16
Ssh2	0.405786	1.43E-16	2.35E-16
Tulp4	0.300194	1.48E-16	2.43E-16
Gm44434	1.597406	1.48E-16	2.43E-16
Gm45120	1.282722	1.49E-16	2.44E-16
Abcb7	0.59554	1.57E-16	2.58E-16
4930589O	1.829949	1.60E-16	2.64E-16
Odf2	0.51977	1.64E-16	2.69E-16
Utp6	0.566137	1.66E-16	2.72E-16
Gm45250	1.365966	1.71E-16	2.81E-16
Ppp1r26	1.297433	1.74E-16	2.85E-16
Dnph1	1.877674	1.75E-16	2.87E-16

17000480	1.195739	1.75E-16	2.87E-16
Gm37717	4.32114	1.81E-16	2.97E-16
Shq1	1.282395	1.77E-16	2.90E-16
Dnaja3	0.544534	1.77E-16	2.90E-16
Usp9x	0.283744	1.78E-16	2.92E-16
H1f1	2.672766	1.86E-16	3.05E-16
Gm44863	2.31634	1.89E-16	3.09E-16
Gm42940	1.648553	1.89E-16	3.10E-16
Eif5	0.232509	1.89E-16	3.10E-16
Gm5398	4.183385	1.99E-16	3.26E-16
Pex13	0.511598	2.03E-16	3.32E-16
Ndufb11	0.215007	2.04E-16	3.34E-16
Aifm1	0.525945	2.08E-16	3.40E-16
Tbc1d19	0.672091	2.09E-16	3.43E-16
Gm49066	0.902464	2.13E-16	3.48E-16
Aar2	0.589707	2.15E-16	3.52E-16
Mfsd12	0.88489	2.17E-16	3.55E-16
Mktn2	0.547072	2.17E-16	3.55E-16
Rnf212b	1.946348	2.19E-16	3.58E-16
Mrps30	0.576113	2.20E-16	3.61E-16
Slc25a23	0.437295	2.35E-16	3.84E-16
D11Wsu47	1.018734	2.49E-16	4.08E-16
Ero1a	0.464513	2.57E-16	4.19E-16
Ap3m2	0.567007	2.70E-16	4.41E-16
Pnpla3	3.561432	3.06E-16	5.00E-16
Ube2f	0.529136	3.04E-16	4.97E-16
Cdnf	2.116444	3.11E-16	5.08E-16
Lrrc8d	0.603658	3.10E-16	5.06E-16
9430087J2	1.45923	3.13E-16	5.11E-16
4930458D	3.547458	3.21E-16	5.24E-16
Rmc1	0.808809	3.16E-16	5.16E-16
Elac2	0.896741	3.30E-16	5.38E-16
Mynn	0.51517	3.32E-16	5.41E-16
Rrp12	1.379917	3.39E-16	5.53E-16
Wdr61	0.36219	3.46E-16	5.64E-16
Ppm1j	1.066328	3.46E-16	5.63E-16
Zfyve16	0.521501	3.51E-16	5.72E-16
9230116N	1.230693	3.52E-16	5.74E-16
Ddrgk1	0.262938	3.53E-16	5.75E-16
Gnmt	2.237723	3.61E-16	5.87E-16
Snupn	0.674189	3.73E-16	6.07E-16
Mfsd4b1	3.407802	3.88E-16	6.31E-16
Gm42067	0.807423	3.81E-16	6.20E-16
Gm37402	2.768337	4.04E-16	6.57E-16
Gm43511	1.396568	4.05E-16	6.60E-16
Cyhr1	0.312713	4.14E-16	6.74E-16
Gm37436	1.062674	4.20E-16	6.83E-16

Ranbp10	0.557622	4.26E-16	6.93E-16
Gm37485	2.46531	4.32E-16	7.01E-16
Shld2	0.734025	4.28E-16	6.95E-16
Minpp1	0.566565	4.33E-16	7.04E-16
Ghitm	0.28017	4.61E-16	7.48E-16
B3galt4	1.088833	4.62E-16	7.51E-16
Mast3	0.860205	4.64E-16	7.54E-16
Cd207	4.081769	4.97E-16	8.07E-16
Usp7	0.310335	4.90E-16	7.95E-16
Gm43909	3.000979	5.07E-16	8.23E-16
Pcdhga9	1.128145	4.95E-16	8.04E-16
Nup85	0.663383	5.00E-16	8.11E-16
Tmem168	0.503508	5.27E-16	8.55E-16
Cep76	1.005574	5.32E-16	8.63E-16
Egf	1.840025	5.38E-16	8.74E-16
Adck5	0.818271	5.43E-16	8.81E-16
Mpi	0.826432	5.48E-16	8.89E-16
LTO1	0.655422	5.51E-16	8.94E-16
Gm15789	2.390109	5.68E-16	9.22E-16
Katnb1	0.809247	5.79E-16	9.39E-16
Zfp59	1.401391	5.88E-16	9.54E-16
Gm43748	2.971208	6.31E-16	1.02E-15
Leng9	0.702092	6.22E-16	1.01E-15
Tmem126i	0.493943	6.29E-16	1.02E-15
Rbm14	0.600766	6.31E-16	1.02E-15
6330415G	2.271334	6.57E-16	1.06E-15
Cog2	0.610306	6.50E-16	1.05E-15
C330013E	1.357965	6.64E-16	1.08E-15
Zfp950	0.371235	6.65E-16	1.08E-15
Scyl3	0.739449	6.74E-16	1.09E-15
Gm6402	1.201695	6.80E-16	1.10E-15
Olig3	2.520396	6.94E-16	1.12E-15
Vps39	0.652064	6.92E-16	1.12E-15
Gm47794	2.06522	7.03E-16	1.14E-15
Gm37904	5.023706	7.36E-16	1.19E-15
Entpd6	0.973543	7.09E-16	1.15E-15
Nop53	0.261601	7.16E-16	1.16E-15
Kcnn1	1.856949	7.80E-16	1.26E-15
Gm45885	2.451327	7.91E-16	1.28E-15
Hsf1	0.520893	8.09E-16	1.31E-15
Pigx	0.475553	8.48E-16	1.37E-15
Arcn1	0.318989	8.68E-16	1.40E-15
Eri3	0.555934	8.96E-16	1.45E-15
Car7	1.207696	9.57E-16	1.55E-15
Otud6b	0.448928	9.60E-16	1.55E-15
Gm31356	2.312057	9.75E-16	1.57E-15
Gm11960	2.565235	9.85E-16	1.59E-15

Vcpkmt	0.722406	9.72E-16	1.57E-15
Ralgapb	0.437432	9.93E-16	1.60E-15
Zfp273	0.988189	1.05E-15	1.70E-15
Zfp287	0.727905	1.06E-15	1.71E-15
Srprb	0.510747	1.13E-15	1.82E-15
Dctn6	0.348862	1.16E-15	1.87E-15
Dnajb12	0.519155	1.19E-15	1.92E-15
Vta1	0.430766	1.20E-15	1.93E-15
Morc2a	0.564689	1.20E-15	1.93E-15
Pwp1	0.69019	1.20E-15	1.94E-15
Tesk2	1.108036	1.20E-15	1.94E-15
Arl6ip6	0.50982	1.24E-15	1.99E-15
Mex3a	1.320043	1.27E-15	2.05E-15
Gm20274	1.045607	1.30E-15	2.09E-15
Zfp105	0.842825	1.32E-15	2.13E-15
Trub1	0.778229	1.32E-15	2.13E-15
4930581F2	0.443711	1.33E-15	2.14E-15
Myo9a	0.351407	1.42E-15	2.28E-15
Cop1	0.402013	1.42E-15	2.28E-15
Ccdc6	0.538256	1.43E-15	2.31E-15
Zfp939	1.089192	1.47E-15	2.36E-15
B930036N	1.651967	1.48E-15	2.38E-15
Gm9484	1.850759	1.50E-15	2.41E-15
Dvl2	0.732767	1.60E-15	2.57E-15
Psmc2	0.332541	1.61E-15	2.59E-15
Tmem183i	0.453445	1.62E-15	2.60E-15
Dda1	0.437631	1.65E-15	2.65E-15
Wdfy1	0.385108	1.66E-15	2.67E-15
Gm42547	0.974584	1.66E-15	2.67E-15
3110070N	1.673684	1.67E-15	2.68E-15
Gm10503	0.608533	1.68E-15	2.70E-15
Klc1	0.294063	1.75E-15	2.81E-15
Gm42669	2.71789	1.78E-15	2.85E-15
Kcnd1	1.757824	1.76E-15	2.82E-15
Parg	0.514004	1.76E-15	2.83E-15
Ttc1	0.417329	1.78E-15	2.85E-15
Brf2	0.738267	1.80E-15	2.88E-15
Ino80c	0.625783	1.80E-15	2.89E-15
Zfp513	0.652129	1.81E-15	2.91E-15
Gm43653	2.313145	1.84E-15	2.95E-15
AU040320	0.57902	1.94E-15	3.11E-15
A930005N	2.859324	1.99E-15	3.19E-15
Gm45145	3.395068	2.03E-15	3.26E-15
Ppp4r1l-ps	0.435187	2.16E-15	3.46E-15
Atp5k	0.219452	2.25E-15	3.60E-15
Cdh24	1.529179	2.27E-15	3.64E-15
Dph7	0.736511	2.30E-15	3.69E-15

Rad51b	2.099146	2.35E-15	3.76E-15
Zfp781	1.837931	2.43E-15	3.89E-15
Hibch	0.629442	2.47E-15	3.95E-15
Gm48701	2.172038	2.49E-15	3.99E-15
Sirt5	0.665985	2.54E-15	4.06E-15
Plekhg3	0.508024	2.64E-15	4.22E-15
Pomgnt2	0.934426	2.63E-15	4.21E-15
Samd4b	0.37374	2.65E-15	4.24E-15
L2hgdh	0.924752	2.69E-15	4.30E-15
Asf1b	2.105077	2.81E-15	4.49E-15
Nrbf2	0.829418	2.81E-15	4.49E-15
Dnai2	2.062444	2.89E-15	4.61E-15
Pknnox1	0.551951	2.88E-15	4.60E-15
Shld1	0.425377	2.93E-15	4.68E-15
Psm5	0.481561	2.93E-15	4.69E-15
Rnf20	0.38088	2.95E-15	4.71E-15
Nle1	1.042926	2.95E-15	4.71E-15
Rell2	1.166962	2.97E-15	4.75E-15
Gm37277	3.604728	3.04E-15	4.86E-15
F8a	0.660289	3.09E-15	4.94E-15
D830024N	1.800199	3.22E-15	5.15E-15
Nars	0.299262	3.28E-15	5.23E-15
Zfp276	0.835485	3.35E-15	5.35E-15
Odf2l	0.605242	3.40E-15	5.43E-15
Crebl2	0.465341	3.45E-15	5.51E-15
Lin7b	1.356752	3.61E-15	5.75E-15
Rae1	0.494103	3.67E-15	5.85E-15
Rnf139	0.452945	3.70E-15	5.89E-15
Gm19269	2.171006	3.73E-15	5.94E-15
Cenpa	1.002988	3.79E-15	6.03E-15
Mrps7	0.400162	3.81E-15	6.06E-15
4930590JC	1.831756	3.89E-15	6.20E-15
Gm37305	0.977679	3.89E-15	6.20E-15
Kdm4a	0.557449	3.93E-15	6.26E-15
Ipo5	0.446721	3.96E-15	6.30E-15
Gm48250	2.94832	4.19E-15	6.67E-15
Taf6	0.523573	4.37E-15	6.95E-15
Tmem74	2.434252	4.41E-15	7.02E-15
Adam8	2.034808	4.44E-15	7.06E-15
Cox15	0.863648	4.62E-15	7.34E-15
Cd164	0.304636	4.70E-15	7.47E-15
Atg9a	1.108481	4.69E-15	7.46E-15
Copz1	0.384857	5.06E-15	8.05E-15
Scaf4	0.476879	5.06E-15	8.05E-15
8030445P	1.327711	5.24E-15	8.32E-15
5930420M	2.00422	5.30E-15	8.42E-15
Edc4	0.528099	5.30E-15	8.41E-15

Rab26	1.271702	5.48E-15	8.70E-15
Serf1	0.677784	5.79E-15	9.19E-15
Ttll13	1.68578	5.87E-15	9.31E-15
Gm49041	1.267738	6.30E-15	9.99E-15
B4galt7	0.794567	6.33E-15	1.00E-14
Shld3	1.304732	6.42E-15	1.02E-14
Eno4	3.221193	6.56E-15	1.04E-14
Hspbap1	1.094046	6.49E-15	1.03E-14
Gm17092	1.103375	6.52E-15	1.03E-14
Aup1	0.375354	6.68E-15	1.06E-14
Gm15809	1.824816	6.73E-15	1.07E-14
Mapkbp1	0.671436	6.76E-15	1.07E-14
Gm37767	1.660776	6.98E-15	1.11E-14
Zfp389	2.901121	7.08E-15	1.12E-14
Daxx	0.545143	7.38E-15	1.17E-14
Zfp943	0.666608	7.78E-15	1.23E-14
Pgm1	0.538177	7.81E-15	1.24E-14
Gm34411	3.437455	8.10E-15	1.28E-14
Gm16042	2.821286	8.17E-15	1.29E-14
Eapp	0.298364	8.05E-15	1.27E-14
Stk40	0.42579	8.50E-15	1.35E-14
Dnajc25	0.675725	8.52E-15	1.35E-14
4930453C	3.041999	8.93E-15	1.41E-14
Zbtb3	1.554012	8.83E-15	1.40E-14
Gm13868	1.033538	8.98E-15	1.42E-14
Vma21	0.397026	9.01E-15	1.42E-14
Lrrc56	1.421882	9.08E-15	1.44E-14
Puf60	0.317076	9.15E-15	1.45E-14
Nek11	3.280279	9.43E-15	1.49E-14
Xylb	1.961148	9.63E-15	1.52E-14
Fam168b	0.3249	9.73E-15	1.54E-14
Gm45088	1.76514	9.92E-15	1.57E-14
Plekhh1	1.30661	1.01E-14	1.59E-14
Cs	0.365979	1.01E-14	1.60E-14
Gm26852	2.203943	1.03E-14	1.63E-14
Zfp324	1.018221	1.04E-14	1.64E-14
D430013B	0.93085	1.06E-14	1.67E-14
Gm47580	1.184465	1.06E-14	1.67E-14
Ccdc9	0.52288	1.07E-14	1.68E-14
Ppp2r5d	0.519366	1.10E-14	1.73E-14
Nup54	0.546105	1.11E-14	1.75E-14
Gm12905	1.915154	1.13E-14	1.78E-14
Sepsecs	0.72951	1.14E-14	1.79E-14
Dnaja2	0.267303	1.18E-14	1.87E-14
Gm10857	2.879083	1.21E-14	1.90E-14
Zc3h10	0.673219	1.25E-14	1.98E-14
Haus5	0.903924	1.27E-14	1.99E-14

1110032A	0.503207	1.29E-14	2.03E-14
Gm43668	1.205402	1.34E-14	2.11E-14
Gm45629	1.662888	1.43E-14	2.25E-14
Ddx31	1.117015	1.43E-14	2.25E-14
Zfp433	2.333476	1.49E-14	2.35E-14
Kat7	0.424088	1.51E-14	2.38E-14
Maz	0.374078	1.56E-14	2.45E-14
Med8	0.460184	1.56E-14	2.45E-14
Usp28	0.874614	1.57E-14	2.47E-14
Gm45662	2.506367	1.58E-14	2.49E-14
Rabggta	0.728814	1.62E-14	2.55E-14
Dcp1a	0.63472	1.64E-14	2.59E-14
Klhl7	0.53637	1.66E-14	2.61E-14
Nek1	0.569214	1.83E-14	2.87E-14
Nup43	0.891979	1.85E-14	2.91E-14
Psme3	0.485492	1.90E-14	2.99E-14
Mrpl40	0.485935	1.91E-14	3.00E-14
Gm26736	3.106167	1.98E-14	3.11E-14
Zw10	0.620337	2.02E-14	3.17E-14
Ribc1	1.626547	2.19E-14	3.43E-14
Gm15829	2.69116	2.32E-14	3.64E-14
Arhgef11	0.529471	2.35E-14	3.68E-14
Ngdn	0.427124	2.35E-14	3.68E-14
Gm7420	3.860783	2.42E-14	3.79E-14
Mterf1b	1.791295	2.38E-14	3.73E-14
Gm47817	0.889515	2.38E-14	3.73E-14
4921534A	2.506279	2.43E-14	3.82E-14
Cul2	0.521192	2.43E-14	3.81E-14
4930563E	4.033088	2.56E-14	4.01E-14
Rfc5	1.035525	2.51E-14	3.93E-14
Gm9776	1.247181	2.51E-14	3.94E-14
Clcn1	2.180853	2.59E-14	4.05E-14
Scly	0.751912	2.58E-14	4.04E-14
Agps	0.489731	2.58E-14	4.05E-14
Coq2	0.439319	2.59E-14	4.06E-14
2900060B	1.046364	2.79E-14	4.37E-14
Abcf3	0.485216	2.98E-14	4.66E-14
Polr3g	1.197841	3.09E-14	4.83E-14
Rad23b	0.329044	3.14E-14	4.92E-14
Rundc3b	1.398833	3.17E-14	4.95E-14
Gm10916	2.243604	3.22E-14	5.03E-14
Gm37296	1.17094	3.19E-14	4.98E-14
Stim1	0.396367	3.21E-14	5.03E-14
Gm49932	1.89648	3.23E-14	5.06E-14
Zfp202	1.39277	3.31E-14	5.18E-14
Cramp1	0.45714	3.39E-14	5.30E-14
Gm9042	2.347879	3.48E-14	5.44E-14

Atp6v0d1	0.340859	3.46E-14	5.41E-14
Gm37459	3.271194	3.54E-14	5.53E-14
Arl5a	0.389631	3.71E-14	5.79E-14
4930481B	2.233748	3.78E-14	5.90E-14
Vrk3	0.448215	3.76E-14	5.88E-14
1500012K	2.681763	3.85E-14	6.00E-14
H2bc3	2.281445	3.83E-14	5.98E-14
Med18	0.871729	3.88E-14	6.05E-14
Sall3	1.436409	3.88E-14	6.05E-14
Isg2012	0.607097	3.93E-14	6.13E-14
Slc24a2	1.303521	3.95E-14	6.17E-14
Zbtb33	0.604465	4.08E-14	6.36E-14
Strn	0.500853	4.16E-14	6.49E-14
Cntd1	2.005807	4.20E-14	6.56E-14
Nsun3	0.785867	4.19E-14	6.54E-14
4632411P	2.384014	4.26E-14	6.65E-14
Gm11508	2.063124	4.27E-14	6.66E-14
Gm38043	0.984195	4.33E-14	6.75E-14
Gm49284	1.946992	4.51E-14	7.03E-14
Gtf2f1	0.439089	4.68E-14	7.29E-14
Rev3l	0.392085	4.71E-14	7.34E-14
Gm37524	1.32388	5.00E-14	7.78E-14
8430429K	0.84035	5.19E-14	8.09E-14
Gm40332	2.402395	5.41E-14	8.43E-14
Mrm3	0.763515	5.47E-14	8.51E-14
Tepsin	0.851285	5.47E-14	8.52E-14
Pars2	1.173635	5.57E-14	8.66E-14
Ywhae	0.173056	6.30E-14	9.81E-14
Snrnp40	0.4464	6.35E-14	9.88E-14
Fer	0.470503	6.45E-14	1.00E-13
Ensa	0.294755	6.70E-14	1.04E-13
Gatd1	0.543335	6.77E-14	1.05E-13
4930404I	4.049072	7.02E-14	1.09E-13
Depdc5	0.612725	6.89E-14	1.07E-13
Utp15	0.641983	6.92E-14	1.08E-13
Ankrd24	0.645934	7.03E-14	1.09E-13
Adssl1	0.743849	7.16E-14	1.11E-13
Usp14	0.386504	7.28E-14	1.13E-13
Gm38300	1.643319	7.32E-14	1.14E-13
4833445I	2.392746	7.82E-14	1.21E-13
Pogk	0.428588	7.80E-14	1.21E-13
Zkscan3	0.321858	7.98E-14	1.24E-13
Zfp119a	0.808654	7.97E-14	1.24E-13
A730071L	2.595925	8.12E-14	1.26E-13
Spata48	2.759857	8.12E-14	1.26E-13
Tsen15	0.455832	8.09E-14	1.26E-13
Arfgef3	0.783898	8.09E-14	1.25E-13

Tti2	0.673249	8.48E-14	1.31E-13
Trim28	0.38342	8.65E-14	1.34E-13
Macrocl1	0.852615	8.69E-14	1.35E-13
Asns	1.028506	8.75E-14	1.36E-13
Smg9	0.611205	8.77E-14	1.36E-13
Rnf183	2.084804	9.06E-14	1.40E-13
Arl5b	0.454653	9.33E-14	1.45E-13
Mapk8ip3	0.35688	9.49E-14	1.47E-13
A530058N	3.098985	9.89E-14	1.53E-13
Klhdc3	0.509539	9.87E-14	1.53E-13
Mafb	0.616751	1.00E-13	1.55E-13
5730507A	1.049103	1.02E-13	1.58E-13
Gm17435	1.466653	1.09E-13	1.68E-13
Fbxo31	0.596418	1.09E-13	1.69E-13
Pcdhga2	1.277738	1.11E-13	1.72E-13
Fuz	0.565568	1.14E-13	1.76E-13
Zfp114	2.100954	1.15E-13	1.79E-13
Nme6	0.745314	1.17E-13	1.81E-13
Kptn	0.675713	1.17E-13	1.81E-13
Pkmyt1	1.935606	1.18E-13	1.82E-13
Rnf115	0.379336	1.18E-13	1.82E-13
Utp18	0.553336	1.18E-13	1.83E-13
Gm49422	2.395809	1.21E-13	1.87E-13
Lipt1	1.363034	1.20E-13	1.85E-13
Trmt61b	0.730251	1.20E-13	1.86E-13
Gm48708	2.421443	1.23E-13	1.90E-13
Gm15283	0.878635	1.23E-13	1.89E-13
Gm38020	1.155029	1.23E-13	1.90E-13
Ebag9	0.542082	1.24E-13	1.91E-13
Gm12540	2.33814	1.25E-13	1.93E-13
Zfp26	0.509507	1.25E-13	1.93E-13
Gm12758	0.782333	1.26E-13	1.95E-13
Ptcd1	0.778216	1.26E-13	1.95E-13
Ing4	0.944758	1.26E-13	1.95E-13
Gm37628	1.338502	1.29E-13	1.99E-13
Erdr1	1.646079	1.31E-13	2.02E-13
Lin37	0.547817	1.31E-13	2.02E-13
Zfp282	0.603683	1.31E-13	2.02E-13
Lzic	0.601712	1.33E-13	2.06E-13
Sct	2.053501	1.35E-13	2.08E-13
Rrs1	0.672362	1.38E-13	2.12E-13
Prdm10	0.801113	1.45E-13	2.23E-13
Ercc3	0.549687	1.45E-13	2.24E-13
Gm45151	2.068142	1.47E-13	2.27E-13
Slc4a5	1.249745	1.48E-13	2.29E-13
Gm37383	2.073804	1.50E-13	2.32E-13
Snrpf	0.274435	1.54E-13	2.37E-13

A230056P	1.692918	1.54E-13	2.37E-13
Gm43379	0.950595	1.55E-13	2.39E-13
Gpn1	0.541687	1.60E-13	2.46E-13
Emg1	0.315749	1.63E-13	2.51E-13
Papolg	0.645865	1.63E-13	2.52E-13
Gm6787	3.229814	1.77E-13	2.72E-13
Trp53rka	0.578226	1.77E-13	2.73E-13
C030037D	0.803947	1.80E-13	2.77E-13
Zscan21	0.617452	1.81E-13	2.78E-13
7SK-87	4.543405	1.90E-13	2.92E-13
Poc1a	1.392916	1.91E-13	2.93E-13
Tbccd1	0.722693	1.93E-13	2.97E-13
Ccn6	3.407165	1.99E-13	3.06E-13
BC051226	0.746546	1.98E-13	3.05E-13
B130021K	1.005593	2.00E-13	3.07E-13
Sumo1	0.237863	2.01E-13	3.09E-13
Zfand1	0.620774	2.03E-13	3.11E-13
Thap1	0.726861	2.04E-13	3.14E-13
Cox5b	0.201269	2.05E-13	3.16E-13
Trp53bp2	0.483659	2.09E-13	3.21E-13
Brd9	0.318213	2.16E-13	3.32E-13
Gm49694	1.526961	2.19E-13	3.36E-13
Coq3	0.809567	2.22E-13	3.41E-13
Cenps	1.260322	2.24E-13	3.44E-13
Bivm	0.737686	2.25E-13	3.45E-13
Gm4925	2.377536	2.29E-13	3.51E-13
Gm42983	3.377156	2.33E-13	3.57E-13
Mindy4	0.812931	2.31E-13	3.54E-13
Chchd5	0.54537	2.36E-13	3.62E-13
Gm29427	2.535155	2.38E-13	3.64E-13
Mvd	0.948299	2.38E-13	3.65E-13
Wdr93	3.579692	2.49E-13	3.81E-13
Urgcp	0.557043	2.52E-13	3.86E-13
6030442K	1.401317	2.53E-13	3.88E-13
Smpd4	0.664994	2.59E-13	3.97E-13
Ube2k	0.264759	2.61E-13	3.99E-13
Myo19	1.150205	2.64E-13	4.04E-13
Gm13665	2.133769	2.67E-13	4.09E-13
Nprl3	0.694708	2.68E-13	4.11E-13
Gm37983	1.775729	2.73E-13	4.18E-13
Epb41l3	0.666526	2.78E-13	4.25E-13
Gprasp1	0.40961	2.83E-13	4.33E-13
Nup88	0.424238	2.86E-13	4.38E-13
Ndufab1	0.291141	2.88E-13	4.41E-13
Metap1	0.512353	2.88E-13	4.41E-13
Pcyox1l	0.933212	2.93E-13	4.48E-13
Gm37566	1.089471	3.01E-13	4.59E-13

Zfp511	0.476232	3.01E-13	4.60E-13
Gm2233	2.496954	3.03E-13	4.64E-13
Ccdc150	2.602979	3.11E-13	4.76E-13
Thap12	0.31317	3.17E-13	4.85E-13
Ttc13	0.646366	3.24E-13	4.94E-13
Atad3a	0.627531	3.45E-13	5.27E-13
Lin54	0.585519	3.48E-13	5.32E-13
Dph3	0.308901	3.56E-13	5.44E-13
1700084E	1.098836	3.57E-13	5.44E-13
Tpmt	0.677507	3.74E-13	5.71E-13
Arid1b	0.343924	3.76E-13	5.74E-13
Ncln	0.511116	3.78E-13	5.77E-13
Gm47583	1.455242	3.87E-13	5.91E-13
Prpf8	0.273476	4.10E-13	6.26E-13
Zfp319	0.495482	4.10E-13	6.25E-13
Gm43275	1.390996	4.32E-13	6.58E-13
Tada1	0.563957	4.33E-13	6.60E-13
Psm11	0.27854	4.44E-13	6.76E-13
Phf5a	0.320293	4.45E-13	6.79E-13
Gm44702	1.849712	4.71E-13	7.17E-13
Ube2cbp	1.655642	4.86E-13	7.41E-13
Coa8	0.354018	4.90E-13	7.46E-13
Tmem129	0.66355	4.99E-13	7.61E-13
Slc26a8	2.053711	5.05E-13	7.68E-13
Ubf1	0.454047	5.07E-13	7.72E-13
Dzip3	0.562021	5.14E-13	7.82E-13
Phka1	0.716757	5.19E-13	7.89E-13
Mrpl16	0.516357	5.34E-13	8.13E-13
E130018N	2.248969	5.40E-13	8.21E-13
Ublcp1	0.397743	5.47E-13	8.33E-13
Xndc1	0.685563	5.55E-13	8.44E-13
Pcnx3	0.44719	5.75E-13	8.75E-13
Gm38230	3.775051	5.89E-13	8.96E-13
Gm42737	1.236045	6.06E-13	9.22E-13
Vrk1	0.560793	6.13E-13	9.33E-13
Ep400	0.285893	6.14E-13	9.33E-13
Tmem203	0.554447	6.37E-13	9.68E-13
L3mbtl2	0.689555	6.73E-13	1.02E-12
Gm16023	1.327414	6.79E-13	1.03E-12
Sbk1	0.604656	6.87E-13	1.04E-12
Hdhd5	0.876124	6.86E-13	1.04E-12
Mid1	0.535418	6.95E-13	1.06E-12
Asb1	0.805242	7.00E-13	1.06E-12
Cox6c	0.169083	7.13E-13	1.08E-12
Mrpl21	0.352039	7.45E-13	1.13E-12
Zfand5	0.237436	7.47E-13	1.13E-12
2310039H	0.458229	7.53E-13	1.14E-12

Gm48532	2.667655	7.76E-13	1.18E-12
Kdm5a	0.291454	7.77E-13	1.18E-12
Gm39214	1.960346	7.87E-13	1.19E-12
1700052K	0.866355	7.87E-13	1.19E-12
Nrde2	0.620373	7.98E-13	1.21E-12
Usp36	0.430786	8.15E-13	1.24E-12
Gm4890	1.089412	8.21E-13	1.24E-12
Srpkl	0.33027	8.77E-13	1.33E-12
Gm12846	3.050657	9.66E-13	1.46E-12
Zfp142	0.578696	9.65E-13	1.46E-12
Chn1	0.450928	9.86E-13	1.49E-12
Gpaa1	0.494791	1.01E-12	1.53E-12
Gm36445	1.525115	1.03E-12	1.56E-12
Rnaset2b	0.523157	1.07E-12	1.62E-12
Gstp1	0.371033	1.08E-12	1.63E-12
Gm47372	2.698005	1.11E-12	1.68E-12
Gm42722	3.189202	1.12E-12	1.69E-12
Gtpbp8	0.595093	1.14E-12	1.73E-12
Arhgap19	1.150327	1.15E-12	1.73E-12
Srrt	0.365274	1.15E-12	1.74E-12
Top3b	0.468216	1.15E-12	1.74E-12
Polr3d	0.612499	1.16E-12	1.75E-12
Lrwd1	0.679461	1.16E-12	1.75E-12
Gm28731	1.778321	1.21E-12	1.83E-12
Gm39469	1.267204	1.21E-12	1.82E-12
Zfp821	0.541646	1.26E-12	1.91E-12
Fth-ps2	1.592989	1.28E-12	1.93E-12
Bysl	0.611538	1.32E-12	2.00E-12
Fbxo30	0.436525	1.33E-12	2.01E-12
Pdss2	0.713792	1.33E-12	2.01E-12
Dnaaf2	1.464421	1.39E-12	2.09E-12
Gm12987	1.479054	1.44E-12	2.17E-12
Nfya	0.516543	1.45E-12	2.19E-12
Gpbp1l1	0.329825	1.48E-12	2.23E-12
Arhgap26-	0.419264	1.50E-12	2.27E-12
Zfp867	0.760563	1.51E-12	2.28E-12
Gabpb1	0.447159	1.52E-12	2.30E-12
Gm2109	1.814643	1.56E-12	2.35E-12
Tmem130	1.10137	1.59E-12	2.40E-12
Btbd2	0.450242	1.65E-12	2.49E-12
Rnf165	0.741209	1.68E-12	2.52E-12
Zfp91	0.282833	1.68E-12	2.54E-12
Afg3l2	0.510226	1.69E-12	2.54E-12
Dhx35	0.819341	1.70E-12	2.56E-12
Grhpr	0.489743	1.71E-12	2.58E-12
Snapc2	0.601772	1.72E-12	2.59E-12
Grpel1	0.289625	1.75E-12	2.63E-12

Nek10	2.991299	1.78E-12	2.67E-12
Mpv17l2	0.537135	1.76E-12	2.66E-12
Dnajc17	0.552673	1.87E-12	2.81E-12
Zfp14	0.988039	1.88E-12	2.82E-12
Crbn	0.41099	1.93E-12	2.91E-12
Gm37978	1.458033	1.94E-12	2.91E-12
Helb	0.698977	1.97E-12	2.95E-12
Asb6	0.666325	2.03E-12	3.05E-12
Aig1	0.348751	2.04E-12	3.07E-12
Nup153	0.412915	2.04E-12	3.07E-12
Pfdn2	0.233931	2.11E-12	3.17E-12
Parn	0.489425	2.13E-12	3.19E-12
Elavl1	0.307875	2.13E-12	3.20E-12
Ddx51	0.850992	2.15E-12	3.23E-12
Pla2g3	2.513667	2.25E-12	3.38E-12
Txlng	0.49801	2.30E-12	3.45E-12
Pifo	2.442343	2.31E-12	3.47E-12
Grip1	0.947731	2.36E-12	3.55E-12
Zfp639	0.362019	2.38E-12	3.56E-12
Tti1	0.688708	2.43E-12	3.65E-12
Slc25a46	0.436728	2.48E-12	3.72E-12
Pdzd7	2.159562	2.49E-12	3.73E-12
Nfu1	0.346509	2.49E-12	3.73E-12
Gm38393	1.017373	2.49E-12	3.74E-12
Nat9	0.495429	2.50E-12	3.75E-12
Gm10184	2.333275	2.56E-12	3.84E-12
Dcun1d1	0.416638	2.63E-12	3.94E-12
Sox30	2.835443	2.69E-12	4.04E-12
Malsu1	0.388802	2.67E-12	4.00E-12
A930029G	1.502888	2.72E-12	4.08E-12
Zfp953	0.994017	2.87E-12	4.30E-12
Zfp971	0.919766	2.88E-12	4.32E-12
Timm13	0.230308	2.93E-12	4.39E-12
Gm19337	1.197444	2.94E-12	4.40E-12
Arfrp1	0.374992	2.99E-12	4.48E-12
Pycr2	0.424258	3.05E-12	4.57E-12
Gm10638	0.790429	3.15E-12	4.71E-12
Zfp169	1.026098	3.18E-12	4.76E-12
Marchf8	0.431038	3.24E-12	4.84E-12
Kifc5b	1.63493	3.38E-12	5.06E-12
Ccng1	0.438189	3.41E-12	5.09E-12
Gm38142	1.656938	3.50E-12	5.24E-12
Zswim7	0.616618	3.51E-12	5.24E-12
Efcab5	1.886932	3.51E-12	5.25E-12
Sik3	0.344541	3.66E-12	5.46E-12
Lsm1	0.402223	3.71E-12	5.54E-12
Zfp454	1.373493	3.71E-12	5.55E-12

A730061H	2.012781	3.76E-12	5.61E-12
Vps51	0.696807	3.78E-12	5.65E-12
Qsox2	0.553049	3.83E-12	5.73E-12
Gnasas1	3.01274	3.92E-12	5.86E-12
Cptp	0.833622	3.90E-12	5.82E-12
Mrps31	0.464353	3.94E-12	5.88E-12
AW146154	0.791852	3.94E-12	5.88E-12
Nmbr	2.452508	4.05E-12	6.05E-12
Zfp316	0.681596	4.08E-12	6.09E-12
Gm34961	1.671566	4.22E-12	6.30E-12
Fam90a1b	3.595557	4.32E-12	6.44E-12
Zbtb25	0.863307	4.41E-12	6.59E-12
6430550D	2.377138	4.56E-12	6.81E-12
Gm43863	1.585871	4.54E-12	6.77E-12
Snapc4	0.833871	4.57E-12	6.82E-12
Chid1	0.661472	4.58E-12	6.83E-12
Gm44037	1.705269	4.59E-12	6.85E-12
Vipr2	0.73403	4.60E-12	6.86E-12
Wdr74	0.536036	4.61E-12	6.87E-12
Gm47481	2.128783	4.67E-12	6.96E-12
Tm7sf2	1.100752	4.66E-12	6.94E-12
Sgsm2	0.695046	4.67E-12	6.96E-12
Ptgr2	0.458077	4.68E-12	6.98E-12
Nkiras2	0.560535	4.84E-12	7.21E-12
Bora	1.048648	4.87E-12	7.25E-12
Tmem150i	0.666668	5.01E-12	7.46E-12
Gm49307	1.031803	5.10E-12	7.60E-12
Gm32250	2.095905	5.14E-12	7.65E-12
Gm9996	2.843677	5.22E-12	7.77E-12
Gm3055	1.55083	5.16E-12	7.68E-12
Rpph1	2.826905	5.34E-12	7.95E-12
Slc39a2	1.701687	5.34E-12	7.94E-12
Grsf1	0.400595	5.54E-12	8.24E-12
Cabyr	2.410852	5.69E-12	8.46E-12
Gm49538	1.507447	5.72E-12	8.50E-12
1700086O	0.919502	5.93E-12	8.82E-12
Tuft1	0.999947	6.15E-12	9.15E-12
Gm15627	1.60205	6.40E-12	9.51E-12
Zkscan14	0.677703	6.63E-12	9.85E-12
Pigv	0.703932	6.66E-12	9.89E-12
Ttc7b	0.362396	6.71E-12	9.97E-12
C730045N	0.882832	6.76E-12	1.00E-11
Hprt	0.234659	6.89E-12	1.02E-11
8430419Kl	2.422625	7.37E-12	1.09E-11
2900045O	2.297563	7.51E-12	1.11E-11
Rnf146	0.340076	7.56E-12	1.12E-11
Pom121	0.391833	7.69E-12	1.14E-11

Gm14966	1.069486	7.72E-12	1.15E-11
Gm48966	1.620423	7.82E-12	1.16E-11
A730017L	1.079521	7.93E-12	1.18E-11
Gm17891	2.872038	8.06E-12	1.20E-11
Cox16	0.524119	8.00E-12	1.19E-11
Slc3a1	2.715664	8.12E-12	1.20E-11
Glb1l	1.18119	8.21E-12	1.22E-11
Dkc1	0.378014	8.48E-12	1.26E-11
Zfp626	0.593109	8.52E-12	1.26E-11
Zfp148	0.243661	8.59E-12	1.27E-11
Scamp1	0.289746	8.81E-12	1.31E-11
Ndufaf1	0.631023	8.84E-12	1.31E-11
Pak4	0.514688	8.99E-12	1.33E-11
Umps	0.780919	9.10E-12	1.35E-11
Echdc1	0.546845	9.10E-12	1.35E-11
Tmem9b	0.344583	9.15E-12	1.35E-11
Ccdc32	0.440398	9.15E-12	1.35E-11
Gm7968	1.765608	9.35E-12	1.38E-11
Gm37027	2.487217	9.62E-12	1.42E-11
Gm27010	1.274001	9.61E-12	1.42E-11
Terf2	0.411842	9.76E-12	1.44E-11
Gm50107	1.036689	9.84E-12	1.45E-11
Rtn4rl1	0.570143	9.97E-12	1.47E-11
Gm20517	1.727311	9.97E-12	1.47E-11
Gm10130	1.149125	1.07E-11	1.58E-11
Wfs1	0.571295	1.07E-11	1.58E-11
Sin3a	0.354735	1.15E-11	1.70E-11
Cep83os	0.736187	1.18E-11	1.74E-11
Btf3-ps18	1.574516	1.18E-11	1.74E-11
Gm44291	0.849466	1.18E-11	1.74E-11
Nom1	0.423936	1.21E-11	1.79E-11
Elof1	0.320276	1.22E-11	1.80E-11
Utp14a	0.438093	1.24E-11	1.84E-11
Slamf1	1.954165	1.25E-11	1.85E-11
Gm16794	1.084256	1.26E-11	1.86E-11
Ythdf1	0.363836	1.26E-11	1.86E-11
Cdh4	0.746222	1.27E-11	1.88E-11
Zfp619	1.035715	1.29E-11	1.90E-11
Wdpcp	0.96411	1.29E-11	1.90E-11
Kdm1a	0.297663	1.29E-11	1.91E-11
Phf1	0.358019	1.32E-11	1.95E-11
Gm37678	2.137903	1.34E-11	1.98E-11
Kif17	1.773745	1.34E-11	1.97E-11
Naa30	0.438135	1.36E-11	2.00E-11
Kn11	1.841175	1.39E-11	2.05E-11
Gm33989	0.369308	1.41E-11	2.07E-11
Gm49449	2.234549	1.49E-11	2.20E-11

Gm46350	1.927264	1.49E-11	2.20E-11
Engase	0.8764	1.49E-11	2.20E-11
1110038B	0.53586	1.53E-11	2.25E-11
Cbfa2t2	0.512218	1.53E-11	2.25E-11
Ints1	0.469022	1.53E-11	2.26E-11
Pclaf	2.144787	1.55E-11	2.28E-11
Gm12971	1.693317	1.54E-11	2.27E-11
Gm44249	2.349444	1.56E-11	2.30E-11
Tbc1d17	0.373626	1.57E-11	2.32E-11
Col7a1	1.24465	1.58E-11	2.32E-11
Gm50340	1.572142	1.59E-11	2.35E-11
Irgq	0.537654	1.60E-11	2.35E-11
Gtf2h4	0.677642	1.64E-11	2.42E-11
Tyw1	0.637022	1.64E-11	2.42E-11
Gm45289	1.244837	1.67E-11	2.46E-11
Gm48904	2.12859	1.69E-11	2.48E-11
A230072E	1.673251	1.70E-11	2.50E-11
Sp2	0.480629	1.75E-11	2.58E-11
Frs2	0.434335	1.76E-11	2.58E-11
Otud3	0.973983	1.81E-11	2.66E-11
Topors	0.330272	1.86E-11	2.73E-11
Mettl2	0.735701	1.86E-11	2.73E-11
Gm9694	2.704815	1.89E-11	2.77E-11
Men1	0.487865	1.87E-11	2.75E-11
Gm29107	0.668387	1.89E-11	2.77E-11
Gm37979	2.571322	1.91E-11	2.81E-11
Gm48624	1.687055	1.98E-11	2.91E-11
Gm50273	2.294928	2.00E-11	2.94E-11
Mmab	0.926703	2.01E-11	2.95E-11
Rab4a	0.422807	2.01E-11	2.95E-11
Dynll1	0.159758	2.02E-11	2.97E-11
Vps72	0.380042	2.03E-11	2.98E-11
Zfp28	0.920917	2.09E-11	3.07E-11
Kdm4b	0.575085	2.09E-11	3.07E-11
Trmt2a	0.48822	2.15E-11	3.16E-11
Gm36989	0.975227	2.16E-11	3.17E-11
Brf1	0.464843	2.20E-11	3.23E-11
Gm45551	2.377832	2.23E-11	3.27E-11
Hyal1	0.59614	2.23E-11	3.26E-11
Rpl19-ps6	1.594118	2.26E-11	3.32E-11
Gm37127	1.820726	2.28E-11	3.35E-11
1190007I0	0.544799	2.30E-11	3.37E-11
Sharpin	0.427385	2.38E-11	3.49E-11
Gm8373	1.954944	2.42E-11	3.54E-11
Hic2	0.675315	2.41E-11	3.53E-11
Thap11	0.411375	2.43E-11	3.55E-11
Serpinc1	1.683914	2.47E-11	3.62E-11

Nr2c1	0.59123	2.54E-11	3.72E-11
Rnf43	2.607819	2.64E-11	3.87E-11
Cdc16	0.421888	2.64E-11	3.87E-11
Cenpn	1.588059	2.70E-11	3.95E-11
Camsap3	1.181228	2.70E-11	3.95E-11
Nop2	0.689716	2.71E-11	3.96E-11
Nfat5	0.2075	2.73E-11	3.99E-11
Nipa2	0.372863	2.81E-11	4.11E-11
Gm38014	1.271719	2.85E-11	4.16E-11
Gm44144	1.046425	2.89E-11	4.22E-11
4930565N	1.744322	2.90E-11	4.24E-11
Gm9929	2.156203	2.91E-11	4.25E-11
Ice1	0.351778	2.99E-11	4.37E-11
Snapin	0.366686	3.00E-11	4.38E-11
Knstrn	1.616109	3.04E-11	4.45E-11
Nfatc3	0.356623	3.11E-11	4.54E-11
Mycbp	0.442149	3.14E-11	4.59E-11
Bcl2l15	2.354919	3.32E-11	4.84E-11
Rab11fip3	0.494632	3.32E-11	4.85E-11
Alg6	0.503628	3.36E-11	4.90E-11
Haspin	2.059252	3.52E-11	5.13E-11
Gm37850	2.114237	3.57E-11	5.20E-11
Gm42467	0.931543	3.55E-11	5.17E-11
Hmg20a	0.324495	3.58E-11	5.23E-11
Lifr	0.263373	3.61E-11	5.26E-11
Oma1	0.518271	3.66E-11	5.34E-11
Gm45797	1.194719	3.81E-11	5.56E-11
Ccdc120	1.173865	3.85E-11	5.62E-11
Zscan2	0.867702	3.85E-11	5.62E-11
Aldoc	0.229674	3.94E-11	5.74E-11
Gm18283	2.739294	4.06E-11	5.92E-11
Pkn2	0.225362	4.04E-11	5.89E-11
1700026J1	1.738774	4.09E-11	5.96E-11
Slc37a4	0.624055	4.18E-11	6.09E-11
5930411N	2.169742	4.52E-11	6.58E-11
Zmynd19	0.692916	4.52E-11	6.58E-11
Rad1	0.567032	4.54E-11	6.61E-11
Gemin5	0.675089	4.63E-11	6.73E-11
Gm47652	1.513407	4.85E-11	7.06E-11
Trmt44	0.813994	4.85E-11	7.06E-11
Polq	2.373596	4.91E-11	7.15E-11
Ankib1	0.36617	4.95E-11	7.21E-11
Psme4	0.360812	5.04E-11	7.32E-11
Gm37949	1.154691	5.06E-11	7.36E-11
Gm29395	2.74117	5.09E-11	7.40E-11
Gss	0.614301	5.13E-11	7.46E-11
Mrps5	0.313521	5.27E-11	7.66E-11

Zfp712	0.802028	5.27E-11	7.66E-11
Cyb561a3	0.74402	5.44E-11	7.91E-11
Cby1	0.430286	5.48E-11	7.97E-11
Prkcsh	0.373137	5.54E-11	8.04E-11
Eif2ak3	0.556311	5.55E-11	8.07E-11
Taf5l	0.508178	5.68E-11	8.24E-11
Fbrsl1	0.385137	5.96E-11	8.65E-11
Ruvbl2	0.45942	6.00E-11	8.72E-11
Cep170b	0.61256	6.21E-11	9.02E-11
Ess2	0.505058	6.54E-11	9.49E-11
Mmgt1	0.47877	6.57E-11	9.53E-11
Gm45570	1.7471	6.70E-11	9.72E-11
Gm41077	2.078094	6.74E-11	9.77E-11
Gm28370	2.363982	6.78E-11	9.83E-11
Gm44027	1.434193	6.80E-11	9.86E-11
Bcl2l2	0.429943	6.99E-11	1.01E-10
Zfp85	0.913862	7.05E-11	1.02E-10
Dusp12	0.585686	7.08E-11	1.03E-10
Fastkd3	0.846026	7.22E-11	1.05E-10
Gm49970	1.283487	7.33E-11	1.06E-10
Surf2	0.501798	7.34E-11	1.06E-10
Rab2b	0.414574	7.57E-11	1.10E-10
Mtx3	0.616697	7.69E-11	1.11E-10
Fastkd2	0.911008	7.70E-11	1.11E-10
Gm26935	1.29992	7.78E-11	1.13E-10
Them6	0.522054	7.98E-11	1.16E-10
Zfp994	0.569688	8.00E-11	1.16E-10
Senp6	0.220587	8.15E-11	1.18E-10
Trim33	0.313722	8.16E-11	1.18E-10
Slc7a6os	0.567698	8.28E-11	1.20E-10
Mfsd4b4	1.404322	8.54E-11	1.24E-10
Erich6	2.415702	8.59E-11	1.24E-10
Psme3ip1	0.34934	8.87E-11	1.28E-10
Atf7	0.319669	8.90E-11	1.29E-10
Zfp493	1.575352	9.23E-11	1.33E-10
Orc5	0.634492	9.42E-11	1.36E-10
Sufu	0.529954	9.50E-11	1.37E-10
Cstf1	0.655649	9.65E-11	1.39E-10
Hace1	0.503277	9.93E-11	1.43E-10
Wdhd1	1.041777	1.00E-10	1.45E-10
Jmjd7	0.960062	1.02E-10	1.48E-10
Scarna2	1.77668	1.03E-10	1.49E-10
Dars2	0.797559	1.05E-10	1.51E-10
Gm37639	1.147906	1.05E-10	1.52E-10
Cd300lf	2.088954	1.06E-10	1.54E-10
Gm37914	1.109055	1.07E-10	1.54E-10
Gm17241	1.910319	1.08E-10	1.56E-10

4930592C:	2.240114	1.09E-10	1.57E-10
Phtf2	0.708247	1.10E-10	1.59E-10
Gm43571	0.974557	1.19E-10	1.72E-10
Gm38077	1.365353	1.20E-10	1.73E-10
1700066B:	2.114412	1.22E-10	1.76E-10
C130051F:	0.820463	1.23E-10	1.77E-10
Gm7628	1.081441	1.24E-10	1.79E-10
Polr1a	0.60292	1.25E-10	1.80E-10
Clpp	0.304649	1.26E-10	1.81E-10
Armc2	1.411359	1.28E-10	1.84E-10
Apbb3	0.659155	1.28E-10	1.85E-10
Cetn2	0.276833	1.34E-10	1.93E-10
Spty2d1	0.357324	1.34E-10	1.93E-10
Abcf2	0.402323	1.42E-10	2.05E-10
Tubg1	0.488038	1.47E-10	2.12E-10
Aven	0.650719	1.51E-10	2.17E-10
Gm29650	1.152386	1.51E-10	2.18E-10
Gm28112	2.241347	1.54E-10	2.22E-10
Slc7a3	2.056886	1.56E-10	2.25E-10
Nanp	0.609886	1.56E-10	2.24E-10
Cnot9	0.534677	1.65E-10	2.37E-10
Atl1	0.62197	1.65E-10	2.37E-10
Gm47140	2.161197	1.70E-10	2.44E-10
1810059C:	2.448665	1.72E-10	2.47E-10
Tpo	2.477794	1.77E-10	2.55E-10
Gm45428	2.71727	1.79E-10	2.58E-10
Gm45185	2.393489	1.79E-10	2.57E-10
Zbtb12	0.625416	1.79E-10	2.57E-10
1110003F:	1.105025	1.84E-10	2.64E-10
Gm15580	1.999306	1.85E-10	2.66E-10
Rprd2	0.307325	1.85E-10	2.66E-10
Gm15892	1.30942	1.87E-10	2.68E-10
Itgb1bp2	2.603966	1.89E-10	2.71E-10
Fam185a	1.065904	1.89E-10	2.72E-10
Pex14	0.510595	1.90E-10	2.72E-10
Lrrc20	0.664083	1.93E-10	2.78E-10
Ssr1	0.241358	1.95E-10	2.79E-10
Borcs6	0.368752	2.01E-10	2.89E-10
Gm37967	1.264242	2.07E-10	2.98E-10
Trappc1	0.327551	2.08E-10	2.98E-10
Pmpcb	0.324265	2.09E-10	3.00E-10
Mrpl19	0.511106	2.14E-10	3.06E-10
Efl1	0.559751	2.15E-10	3.08E-10
Ascc2	0.484009	2.16E-10	3.09E-10
Tmub1	0.561181	2.16E-10	3.10E-10
Ash2l	0.384365	2.19E-10	3.14E-10
Ptpn23	0.49005	2.22E-10	3.19E-10

1300014J1	1.362033	2.22E-10	3.19E-10
H2bc9	1.994338	2.25E-10	3.22E-10
Ndufa9	0.300828	2.29E-10	3.28E-10
Snhg9	0.543275	2.31E-10	3.31E-10
Mcm9	0.603075	2.32E-10	3.33E-10
Slc9a1	0.504708	2.34E-10	3.35E-10
Cfap46	1.832635	2.37E-10	3.39E-10
Gm43437	1.316236	2.44E-10	3.49E-10
Msantd1	1.793868	2.46E-10	3.52E-10
Abce1	0.344005	2.46E-10	3.53E-10
Smcr8	0.625944	2.46E-10	3.53E-10
F11	2.979922	2.50E-10	3.58E-10
Gm44704	1.386064	2.49E-10	3.57E-10
Rundc1	0.590036	2.50E-10	3.57E-10
Gm30531	1.22721	2.50E-10	3.58E-10
Cyb5d2	0.519852	2.53E-10	3.62E-10
Gm45380	1.002867	2.54E-10	3.63E-10
Tmem74b	2.372114	2.58E-10	3.69E-10
Exosc10	0.374494	2.58E-10	3.69E-10
Zfp160	0.476107	2.58E-10	3.69E-10
Trim3	0.437573	2.62E-10	3.75E-10
Adprs	0.438317	2.71E-10	3.88E-10
Chchd1	0.244173	2.74E-10	3.92E-10
Gm15903	1.39119	2.99E-10	4.26E-10
Gm37307	1.735246	2.99E-10	4.27E-10
Msantd2	0.454685	3.00E-10	4.28E-10
Cmc4	0.525281	3.01E-10	4.30E-10
Gm45694	2.793018	3.05E-10	4.35E-10
Tefm	0.721371	3.03E-10	4.33E-10
Cux2	0.958499	3.04E-10	4.34E-10
Gm44053	1.827587	3.06E-10	4.37E-10
Dcaf13	0.386912	3.09E-10	4.41E-10
Gm19710	2.180504	3.12E-10	4.45E-10
Pfdn4	0.362631	3.11E-10	4.44E-10
Gm37589	0.92828	3.12E-10	4.45E-10
Zfp956	0.883088	3.15E-10	4.49E-10
Gm9725	2.473317	3.20E-10	4.56E-10
Prxl2b	0.377397	3.21E-10	4.57E-10
Atpaf2	0.674941	3.30E-10	4.71E-10
Fastkd5	0.867895	3.34E-10	4.75E-10
Gskip	0.42577	3.37E-10	4.80E-10
Gm46378	1.737744	3.42E-10	4.87E-10
Smg8	0.574354	3.42E-10	4.87E-10
Slc30a5	0.406844	3.45E-10	4.91E-10
Aaas	0.678299	3.48E-10	4.95E-10
Rbsn	0.41978	3.53E-10	5.03E-10
Aldh18a1	1.014271	3.54E-10	5.04E-10

Gm43707	1.312201	3.58E-10	5.10E-10
Mrps34	0.338207	3.71E-10	5.27E-10
2010204K	1.244179	3.75E-10	5.34E-10
Scrib	0.469901	3.77E-10	5.36E-10
Actr8	0.394631	3.78E-10	5.37E-10
Oga	0.242071	3.85E-10	5.47E-10
Gm15327	1.301355	3.94E-10	5.60E-10
Gsk3a	0.321075	4.00E-10	5.68E-10
Zfp560	0.378257	4.10E-10	5.83E-10
Gm14212	1.550401	4.13E-10	5.88E-10
Snx24	0.593914	4.21E-10	5.98E-10
Epm2a	0.594468	4.21E-10	5.99E-10
Ints8	0.464601	4.23E-10	6.01E-10
Itpkc	0.884454	4.27E-10	6.06E-10
Mc1r	1.048147	4.27E-10	6.07E-10
Piwil2	1.913568	4.59E-10	6.53E-10
Mtor	0.397598	4.67E-10	6.63E-10
Gm48382	0.854094	4.68E-10	6.64E-10
Gm37879	0.857712	4.75E-10	6.75E-10
Gm37578	0.90404	4.81E-10	6.84E-10
Gm6225	1.225677	4.86E-10	6.90E-10
Zfp629	0.535413	4.91E-10	6.97E-10
Cops9	0.199587	4.99E-10	7.08E-10
Gm37710	2.318913	5.01E-10	7.11E-10
Gm37206	0.897034	5.03E-10	7.14E-10
Hp1bp3	0.202829	5.13E-10	7.28E-10
Sf3b6	0.214401	5.15E-10	7.30E-10
Mief1	0.582505	5.23E-10	7.42E-10
Poll	0.810612	5.32E-10	7.54E-10
Map2k3os	1.373082	5.33E-10	7.55E-10
Acp2	0.414231	5.37E-10	7.61E-10
Gm15460	1.488127	5.43E-10	7.70E-10
Gm43062	1.434323	5.52E-10	7.82E-10
Osgepl1	0.52755	5.55E-10	7.86E-10
Tfb1m	1.008651	5.56E-10	7.88E-10
Gm37212	1.488746	5.93E-10	8.40E-10
Ftsj1	0.509364	6.06E-10	8.58E-10
Lrrc47	0.439854	6.09E-10	8.63E-10
Tm2d1	0.282292	6.13E-10	8.68E-10
Gm47322	1.709912	6.14E-10	8.70E-10
Sh2d2a	2.423394	6.21E-10	8.79E-10
Gm45206	1.973708	6.25E-10	8.84E-10
Letm1	0.349733	6.39E-10	9.04E-10
Nol9	0.612197	6.49E-10	9.19E-10
Usp30	0.633129	6.69E-10	9.47E-10
Wdr5	0.499711	6.79E-10	9.60E-10
Ssbp3	0.275778	7.05E-10	9.97E-10

Mtmr3	0.313393	7.08E-10	1.00E-09
Xrn2	0.251039	7.22E-10	1.02E-09
Pcdhgb6	1.163676	7.27E-10	1.03E-09
Gm15879	1.962326	7.37E-10	1.04E-09
Syne4	1.630115	7.38E-10	1.04E-09
Wdr82	0.325458	7.39E-10	1.04E-09
Smrcb1	0.298179	7.51E-10	1.06E-09
Spink10	0.98932	7.60E-10	1.07E-09
Nubpl	0.581392	7.61E-10	1.08E-09
Gm35721	1.971148	7.75E-10	1.09E-09
Arnt	0.324949	7.92E-10	1.12E-09
Agtrap	0.33883	7.96E-10	1.12E-09
E430024I0	0.72676	7.98E-10	1.13E-09
Plppr2	0.821763	8.04E-10	1.13E-09
Gm29361	1.414617	8.08E-10	1.14E-09
Gm10557	1.336194	8.11E-10	1.14E-09
Rad52	0.650649	8.40E-10	1.19E-09
Rnf185	0.427063	8.55E-10	1.21E-09
Ttc37	0.408984	8.75E-10	1.23E-09
Gm43413	1.369546	9.00E-10	1.27E-09
Thoc7	0.210571	9.39E-10	1.32E-09
Olfr1124	1.584874	9.48E-10	1.34E-09
Lmbrd2	0.385073	9.53E-10	1.34E-09
Gm40466	1.137765	9.54E-10	1.34E-09
Gm43768	1.182635	9.65E-10	1.36E-09
Pced1a	0.87967	9.73E-10	1.37E-09
Vps4a	0.313531	9.92E-10	1.40E-09
Tmem120I	1.232089	9.92E-10	1.40E-09
Ephx2	0.542183	9.99E-10	1.41E-09
Septin1	0.59967	9.99E-10	1.41E-09
Gm43860	1.80471	1.00E-09	1.41E-09
B230319C	1.503436	1.02E-09	1.43E-09
Gm48562	0.805378	1.03E-09	1.45E-09
Gm42531	2.301449	1.05E-09	1.47E-09
Coq4	0.687928	1.08E-09	1.52E-09
Gm32699	1.342548	1.09E-09	1.53E-09
Zbtb24	0.501297	1.13E-09	1.59E-09
Foxj2	0.392447	1.14E-09	1.61E-09
Nudcd2	0.395286	1.15E-09	1.61E-09
Ngb	1.618045	1.16E-09	1.64E-09
Eps15I1	0.398267	1.20E-09	1.69E-09
Mmaa	0.567419	1.23E-09	1.72E-09
Slc39a6	0.477929	1.23E-09	1.73E-09
Polr3b	0.671729	1.27E-09	1.78E-09
Trdmt1	0.6424	1.28E-09	1.80E-09
Gm50455	1.126336	1.40E-09	1.97E-09
Oaz3	2.130834	1.43E-09	2.01E-09

Angel1	0.712422	1.44E-09	2.02E-09
Dnajc2	0.364282	1.46E-09	2.04E-09
Gm47772	2.393615	1.48E-09	2.08E-09
Dnttip1	0.364033	1.49E-09	2.10E-09
Spen	0.24044	1.50E-09	2.11E-09
Coa6	0.382694	1.50E-09	2.11E-09
Cox20b	1.810391	1.54E-09	2.16E-09
Kctd18	0.510226	1.53E-09	2.15E-09
Particl	0.584397	1.57E-09	2.20E-09
Gm47826	1.120548	1.63E-09	2.28E-09
Tbrg4	0.7243	1.64E-09	2.30E-09
Uros	0.771146	1.66E-09	2.32E-09
Fank1	1.970129	1.67E-09	2.34E-09
Fam214a	0.495512	1.67E-09	2.34E-09
Acy1	0.836679	1.67E-09	2.34E-09
Tgfbr3l	1.386239	1.68E-09	2.36E-09
Gm45051	0.642577	1.70E-09	2.38E-09
Rfc3	0.541186	1.71E-09	2.39E-09
Sec16a	0.354393	1.71E-09	2.39E-09
Efcab7	0.919135	1.72E-09	2.40E-09
Nkapl	0.717721	1.72E-09	2.41E-09
Xxylt1	0.500233	1.74E-09	2.44E-09
Arhgef33	1.268916	1.75E-09	2.45E-09
Acot13	0.338116	1.77E-09	2.48E-09
Gm37522	1.022602	1.78E-09	2.49E-09
Pabpn1l	1.634456	1.79E-09	2.51E-09
Cep63	0.398131	1.82E-09	2.54E-09
Ogfod1	0.528197	1.85E-09	2.59E-09
Mrps35	0.406748	1.94E-09	2.71E-09
Nit2	0.518881	1.95E-09	2.73E-09
Dhx37	0.878298	1.98E-09	2.77E-09
Nup160	0.461886	2.00E-09	2.79E-09
Wdr53	0.583115	2.02E-09	2.82E-09
Gars	0.319693	2.02E-09	2.82E-09
Gfm1	0.441616	2.04E-09	2.85E-09
Gm38192	1.929283	2.05E-09	2.86E-09
Gm29609	1.870004	2.08E-09	2.90E-09
Lgr4	0.523782	2.10E-09	2.94E-09
Gm48880	1.055255	2.12E-09	2.96E-09
Uck1	0.532906	2.15E-09	3.00E-09
Snrpc	0.256637	2.17E-09	3.03E-09
Rab40c	0.480575	2.20E-09	3.07E-09
Gm15696	1.303538	2.20E-09	3.08E-09
Gm30698	1.856832	2.25E-09	3.14E-09
Mfn2	0.336225	2.31E-09	3.23E-09
Chd1l	0.534008	2.34E-09	3.26E-09
Mdp1	0.335108	2.36E-09	3.28E-09

Haus2	0.44211	2.45E-09	3.41E-09
Gm43773	1.436653	2.53E-09	3.53E-09
Abca1	0.428205	2.59E-09	3.61E-09
Macroh2a	0.193529	2.61E-09	3.64E-09
Gm25517	2.777246	2.63E-09	3.67E-09
Gm10069	1.68229	2.63E-09	3.67E-09
Gm44862	1.952042	2.64E-09	3.67E-09
Gm26964	1.366413	2.65E-09	3.69E-09
Gm45853	1.247118	2.67E-09	3.71E-09
Mcrip2	0.719658	2.71E-09	3.77E-09
Hs6st2	2.151428	2.72E-09	3.78E-09
Cenpm	1.638113	2.74E-09	3.82E-09
Gm37248	2.223144	2.76E-09	3.84E-09
Sfxn4	0.696822	2.79E-09	3.89E-09
Ears2	1.083503	2.83E-09	3.93E-09
Hira	0.472778	2.85E-09	3.97E-09
Gm14239	1.127621	2.91E-09	4.05E-09
Pcdhga1	1.456776	3.05E-09	4.24E-09
Gm16075	2.009866	3.09E-09	4.29E-09
Acad9	0.479309	3.13E-09	4.36E-09
Ube3b	0.380287	3.14E-09	4.36E-09
Tmem69	0.944412	3.16E-09	4.40E-09
Mavs	0.545525	3.17E-09	4.41E-09
Gm27030	1.710958	3.18E-09	4.42E-09
Rab24	0.296841	3.22E-09	4.48E-09
Gm17108	2.307725	3.30E-09	4.58E-09
Star	1.133155	3.32E-09	4.61E-09
Siah1b	0.831241	3.41E-09	4.74E-09
Zfp65	0.651108	3.50E-09	4.86E-09
Gm48501	1.499243	3.69E-09	5.13E-09
Mrpl39	0.463796	3.74E-09	5.18E-09
Fgf11	0.655019	3.76E-09	5.22E-09
Taf1c	0.693577	3.79E-09	5.26E-09
Gm23119	2.542041	3.80E-09	5.28E-09
Gm8444	2.070677	3.97E-09	5.51E-09
Eif1b	0.198781	4.01E-09	5.56E-09
Gm10752	2.012586	4.14E-09	5.74E-09
Exoc5	0.249417	4.14E-09	5.74E-09
Mrps18a	0.306366	4.17E-09	5.77E-09
Eif4enif1	0.334077	4.22E-09	5.85E-09
Cdca4	0.625519	4.22E-09	5.84E-09
Wdr3	0.500575	4.24E-09	5.87E-09
Wdyhv1	0.607065	4.25E-09	5.89E-09
Cops4	0.276145	4.28E-09	5.92E-09
Gm9884	1.947428	4.29E-09	5.94E-09
4930403P	1.244324	4.34E-09	6.00E-09
Zfp574	0.484535	4.34E-09	6.01E-09

Gm47234	1.02806	4.38E-09	6.05E-09
Tfip11	0.482968	4.64E-09	6.42E-09
Cdk5rap1	0.622552	4.69E-09	6.49E-09
Gm19427	1.981788	4.74E-09	6.55E-09
Lrrc8e	2.085939	4.74E-09	6.56E-09
Gm17494	0.960902	4.75E-09	6.57E-09
Fam228a	1.617843	4.89E-09	6.75E-09
Miga2	0.518118	4.89E-09	6.75E-09
Shisa2	1.216363	4.92E-09	6.81E-09
Alg12	0.674415	4.96E-09	6.85E-09
Zfp811	1.323958	5.08E-09	7.02E-09
Pde8a	0.241371	5.11E-09	7.05E-09
Prmt6	0.611611	5.13E-09	7.09E-09
Gm6030	2.079183	5.15E-09	7.12E-09
Mbd1	0.333613	5.28E-09	7.30E-09
Gm21992	1.399068	5.29E-09	7.30E-09
Mcm3ap	0.438085	5.41E-09	7.47E-09
Gm26779	1.808026	5.44E-09	7.52E-09
Mef2b	1.467648	5.62E-09	7.76E-09
Gm9392	1.568968	5.64E-09	7.79E-09
Psmd14	0.324137	5.70E-09	7.86E-09
Setdb2	0.709566	5.73E-09	7.90E-09
Srp72	0.240043	5.84E-09	8.05E-09
Ldb3	1.372634	6.03E-09	8.31E-09
Gm48027	0.791617	6.05E-09	8.34E-09
Gm37051	1.393068	6.05E-09	8.35E-09
Aimp2	0.499127	6.08E-09	8.39E-09
Ptov1	0.228577	6.19E-09	8.54E-09
Acbd4	0.423529	6.21E-09	8.56E-09
Ier3ip1	0.218224	6.23E-09	8.58E-09
Pdpr	0.543377	6.22E-09	8.58E-09
Gm11196	2.089806	6.26E-09	8.63E-09
Atp5o-1	0.180426	6.35E-09	8.75E-09
Grik5	0.594066	6.38E-09	8.79E-09
Gm37702	2.109414	6.48E-09	8.93E-09
Mettl26	0.304199	6.49E-09	8.94E-09
Tiparp	0.37682	6.49E-09	8.94E-09
Gm13031	1.917374	6.54E-09	9.01E-09
Gtf2b	0.310378	6.68E-09	9.20E-09
Gnrh1	1.591095	6.74E-09	9.29E-09
Phb2	0.253101	6.78E-09	9.33E-09
Gm44559	1.652491	6.79E-09	9.34E-09
Tmem170	0.564363	6.83E-09	9.40E-09
Gm37895	1.211979	6.87E-09	9.45E-09
Scaf1	0.315143	6.87E-09	9.46E-09
Gm50203	1.969933	6.92E-09	9.52E-09
5033403F	2.217124	6.95E-09	9.56E-09

5830454E	0.899089	7.06E-09	9.71E-09
Tmsb15l	1.300643	7.16E-09	9.84E-09
Gm29055	1.32034	7.21E-09	9.91E-09
Ints3	0.424529	7.28E-09	1.00E-08
Gm33378	1.366952	7.43E-09	1.02E-08
Lin52	0.498389	7.50E-09	1.03E-08
Gm10785	1.895324	7.52E-09	1.03E-08
Bmp15	1.659512	7.53E-09	1.03E-08
Zcchc2	0.473719	7.62E-09	1.05E-08
Gm49494	1.582482	7.68E-09	1.05E-08
Gstz1	0.566966	7.78E-09	1.07E-08
Ak2	0.356714	7.81E-09	1.07E-08
Vcp	0.172168	7.92E-09	1.09E-08
Spa17	0.622911	8.12E-09	1.12E-08
Tsnax	0.248141	8.15E-09	1.12E-08
Gm26631	1.291333	8.35E-09	1.15E-08
Exoc4	0.316834	8.52E-09	1.17E-08
Map3k4	0.291694	8.68E-09	1.19E-08
Gm34121	2.171583	8.84E-09	1.21E-08
Snx8	0.687258	9.00E-09	1.23E-08
Pcdhgb4	0.771536	9.12E-09	1.25E-08
Zfp707	0.544825	9.53E-09	1.31E-08
Mrm2	0.594022	9.69E-09	1.33E-08
Gid8	0.351684	9.77E-09	1.34E-08
Sdhc	0.237049	9.81E-09	1.35E-08
Zscan30	1.561961	9.82E-09	1.35E-08
Trap1	0.435641	1.04E-08	1.43E-08
Ydjc	1.314293	1.06E-08	1.45E-08
Fbxo25	0.443409	1.07E-08	1.46E-08
Klhl32	1.188252	1.07E-08	1.46E-08
Qars	0.378564	1.07E-08	1.46E-08
Elk1	0.585408	1.08E-08	1.48E-08
Cnnm2	0.494094	1.10E-08	1.50E-08
Hdgfl2	0.32889	1.11E-08	1.52E-08
4933404O	1.355874	1.12E-08	1.53E-08
Ubxn6	0.263573	1.14E-08	1.55E-08
Tcea1	0.231186	1.14E-08	1.56E-08
Gmps	0.276519	1.17E-08	1.60E-08
Eri2	0.849367	1.17E-08	1.60E-08
Gm19236	2.514355	1.19E-08	1.63E-08
Cox7b	0.171486	1.20E-08	1.64E-08
Abraxas2	0.341598	1.20E-08	1.64E-08
Prdm15	0.664158	1.21E-08	1.65E-08
Zfp334	0.581763	1.24E-08	1.69E-08
Sesn1	0.246861	1.25E-08	1.71E-08
Gm47088	1.712663	1.25E-08	1.71E-08
Zfp408	0.737579	1.25E-08	1.71E-08

Gm45378	1.617579	1.26E-08	1.72E-08
Hykk	0.652697	1.26E-08	1.72E-08
Mcts1	0.302856	1.31E-08	1.79E-08
Atpaf1	0.416053	1.35E-08	1.84E-08
Gm44675	1.660344	1.42E-08	1.94E-08
Eef1akmt2	0.390887	1.43E-08	1.95E-08
Ddx59	0.837366	1.45E-08	1.98E-08
Washc1	0.43289	1.46E-08	1.99E-08
Fam221a	1.142716	1.48E-08	2.02E-08
Ppox	0.510085	1.53E-08	2.09E-08
Gm48619	1.940748	1.57E-08	2.14E-08
Sesn2	0.7567	1.57E-08	2.14E-08
Gm42732	1.543529	1.57E-08	2.15E-08
Slain1	0.824373	1.60E-08	2.18E-08
Olfm1	0.468643	1.61E-08	2.20E-08
Apool	0.443815	1.62E-08	2.20E-08
Tm2d2	0.245415	1.65E-08	2.24E-08
Scube3	1.968755	1.65E-08	2.25E-08
A930036I1	1.889203	1.66E-08	2.26E-08
Gm37262	1.497561	1.68E-08	2.29E-08
Ccdc86	0.507117	1.71E-08	2.33E-08
Gale	0.936022	1.75E-08	2.38E-08
Nme7	0.654338	1.78E-08	2.42E-08
3110067C1	2.012835	1.79E-08	2.44E-08
Cebpz	0.239322	1.80E-08	2.44E-08
Zfp109	1.892764	1.83E-08	2.49E-08
Fbxo17	0.859763	1.89E-08	2.57E-08
Mphosph6	0.325776	1.92E-08	2.62E-08
Dgat1	0.494131	1.95E-08	2.65E-08
Gtf2h3	0.622272	1.95E-08	2.65E-08
Gm42715	0.820668	1.98E-08	2.69E-08
Bmyc	0.26928	1.99E-08	2.70E-08
Lamtor5	0.194921	1.99E-08	2.71E-08
Pcdhgb5	0.835276	2.00E-08	2.72E-08
Clcn7	0.446276	2.01E-08	2.73E-08
Gm47439	2.235086	2.02E-08	2.74E-08
Ctu1	0.849921	2.07E-08	2.81E-08
Tpgs1	0.331089	2.11E-08	2.86E-08
Tfe3	0.373808	2.12E-08	2.88E-08
Nlgn2	0.438501	2.13E-08	2.90E-08
Fhad1	1.353653	2.14E-08	2.91E-08
Spata5l1	0.717821	2.20E-08	2.99E-08
Rusf1	0.64656	2.21E-08	3.00E-08
Tut1	0.614291	2.28E-08	3.10E-08
Ankrd52	0.643535	2.29E-08	3.11E-08
Rrp15	0.467179	2.30E-08	3.12E-08
Cog4	0.380455	2.30E-08	3.12E-08

6330549D	1.653201	2.30E-08	3.13E-08
Tmem8b	0.57191	2.38E-08	3.22E-08
Adat2	0.751484	2.38E-08	3.22E-08
Rap1gds1	0.268608	2.39E-08	3.24E-08
C78859	1.659723	2.41E-08	3.26E-08
Stk19	0.378644	2.43E-08	3.29E-08
Gm48139	0.487858	2.44E-08	3.31E-08
Gm16552	1.638084	2.51E-08	3.40E-08
Gm37738	1.233476	2.52E-08	3.41E-08
Gm15559	1.609778	2.54E-08	3.44E-08
Gm38381	1.124293	2.57E-08	3.49E-08
Zfp395	0.354154	2.60E-08	3.53E-08
Gm43663	2.2285	2.63E-08	3.56E-08
Mrps27	0.622082	2.63E-08	3.56E-08
Iqcb1	0.435979	2.63E-08	3.57E-08
Sgcb	0.410435	2.65E-08	3.58E-08
Pcdhgc5	1.040336	2.65E-08	3.59E-08
Mtmr4	0.445762	2.66E-08	3.60E-08
Sqle	0.483895	2.68E-08	3.62E-08
Mettl18	0.717572	2.70E-08	3.66E-08
Btbd1	0.227249	2.82E-08	3.81E-08
1700112J1	1.690002	2.83E-08	3.83E-08
B230303O	1.093267	2.84E-08	3.84E-08
Gm3791	0.86961	2.85E-08	3.85E-08
Lemd2	0.350459	2.95E-08	3.99E-08
Gm8013	1.730363	3.02E-08	4.09E-08
Gm10699	1.01262	3.08E-08	4.16E-08
Gm37077	1.094581	3.09E-08	4.18E-08
Ndufa5	0.163165	3.17E-08	4.29E-08
Gm17655	1.025467	3.18E-08	4.30E-08
Rnf169	0.356184	3.25E-08	4.39E-08
Gm16536	0.448985	3.27E-08	4.41E-08
Pym1	0.482657	3.30E-08	4.45E-08
1700124L1	1.304647	3.34E-08	4.51E-08
Arid3a	0.518005	3.38E-08	4.56E-08
Xntrpc	1.494484	3.43E-08	4.63E-08
2810032G	1.679278	3.43E-08	4.63E-08
Atp6v1a	0.198635	3.51E-08	4.73E-08
Slirp	0.231327	3.56E-08	4.80E-08
Gm3365	1.561613	3.63E-08	4.89E-08
Rad23a	0.260054	3.63E-08	4.90E-08
Plxna2	0.212294	3.75E-08	5.06E-08
Nit1	0.372069	3.85E-08	5.18E-08
Tmem126l	0.400572	3.85E-08	5.19E-08
Clns1a	0.315475	3.86E-08	5.20E-08
Gm16401	2.11037	3.98E-08	5.36E-08
Adprm	0.465206	4.01E-08	5.40E-08

Rnf121	0.413906	4.05E-08	5.45E-08
Gm27003	1.518339	4.09E-08	5.50E-08
Tmod4	1.575183	4.09E-08	5.51E-08
Cyp46a1	1.294303	4.16E-08	5.60E-08
Gm48420	1.233327	4.18E-08	5.63E-08
D330023K	0.421562	4.27E-08	5.75E-08
Fkbp3	0.185557	4.30E-08	5.78E-08
Gm42869	0.941658	4.32E-08	5.82E-08
Hcfc2	0.417097	4.44E-08	5.98E-08
Atp9b	0.373776	4.49E-08	6.04E-08
Pou5f2	0.775893	4.49E-08	6.04E-08
Gm43593	0.956125	4.76E-08	6.39E-08
Nkrf	0.735247	4.84E-08	6.51E-08
Iqcc	0.517377	5.06E-08	6.81E-08
4930547M	2.385158	5.09E-08	6.84E-08
Gm45041	2.110934	5.10E-08	6.85E-08
Mettl15	0.837914	5.10E-08	6.86E-08
Nsl1	1.846452	5.29E-08	7.11E-08
Ube2m	0.205163	5.30E-08	7.12E-08
4930526L	2.73882	5.31E-08	7.14E-08
Cd2bp2	0.363977	5.32E-08	7.15E-08
1110059G	0.298276	5.35E-08	7.19E-08
Cldn34c1	0.511384	5.42E-08	7.28E-08
9930024M	0.692978	5.48E-08	7.36E-08
Nipsnap2	0.314713	5.49E-08	7.38E-08
Gm47198	1.650002	5.52E-08	7.41E-08
Polrmt	0.620591	5.54E-08	7.43E-08
Phaf1	0.468297	5.55E-08	7.45E-08
Qser1	0.270023	5.67E-08	7.61E-08
Soat1	0.428432	5.72E-08	7.68E-08
Cdk5	0.409943	5.75E-08	7.72E-08
Gm15697	1.579002	5.77E-08	7.73E-08
Npl	0.763378	5.79E-08	7.76E-08
Mss51	0.991152	5.79E-08	7.77E-08
Gm9670	1.612041	5.81E-08	7.79E-08
Trpt1	0.684986	5.82E-08	7.80E-08
2810428J	1.143959	5.86E-08	7.86E-08
Gm43403	2.10872	5.97E-08	8.00E-08
Emc1	0.318743	6.02E-08	8.06E-08
Rnaseh1	0.523538	6.04E-08	8.09E-08
4933406P	1.505991	6.10E-08	8.17E-08
Lca5l	0.942215	6.12E-08	8.20E-08
Nubp1	0.511057	6.15E-08	8.23E-08
4930532G	1.48514	6.28E-08	8.41E-08
Gm9645	0.965215	6.47E-08	8.67E-08
Ddias	1.774643	6.51E-08	8.71E-08
Fem1a	0.379853	6.55E-08	8.77E-08

Pex26	0.636018	6.55E-08	8.77E-08
Gen1	2.129186	6.67E-08	8.93E-08
Atg13	0.384063	6.68E-08	8.94E-08
Traf2	0.553574	6.71E-08	8.98E-08
Zfp414	0.491346	6.86E-08	9.18E-08
Ncdn	0.478782	6.99E-08	9.35E-08
Ccnf	1.641562	7.06E-08	9.45E-08
Gm14541	1.907951	7.08E-08	9.47E-08
H3c6	1.143866	7.34E-08	9.82E-08
2210406O	1.615535	7.37E-08	9.86E-08
Taco1	0.838559	7.64E-08	1.02E-07
Ccdc73	0.876507	7.70E-08	1.03E-07
Rara	0.361273	7.72E-08	1.03E-07
Plaat1	1.409839	7.73E-08	1.03E-07
1810055G	0.665256	7.75E-08	1.04E-07
Sarnp	0.197193	7.77E-08	1.04E-07
Gm27239	2.439867	7.88E-08	1.05E-07
Tbc1d14	0.320428	8.16E-08	1.09E-07
Gm47870	2.15637	8.17E-08	1.09E-07
Ncmap	1.676917	8.32E-08	1.11E-07
Leng1	0.383885	8.51E-08	1.14E-07
Awat2	2.280479	8.82E-08	1.18E-07
Nefh	0.778486	8.82E-08	1.18E-07
Abcc5	0.303651	8.91E-08	1.19E-07
Gm49783	0.956735	8.98E-08	1.20E-07
Paqr3	0.870939	9.01E-08	1.20E-07
Pnrc1	0.155426	9.05E-08	1.21E-07
Gtf3c5	0.553698	9.10E-08	1.22E-07
Fastkd1	0.564309	9.29E-08	1.24E-07
Gm26873	1.201054	9.40E-08	1.25E-07
Rad51d	0.551237	9.41E-08	1.26E-07
Ppp1r35	0.332709	9.49E-08	1.27E-07
Zfp729b	0.550655	9.56E-08	1.28E-07
Zfp280c	0.528576	9.61E-08	1.28E-07
Aspm	1.997232	9.79E-08	1.31E-07
Cadm3	0.545523	9.79E-08	1.31E-07
Stxbp2	0.666731	9.79E-08	1.31E-07
Gm26590	1.747303	9.87E-08	1.32E-07
9430015G	0.745562	9.98E-08	1.33E-07
Gm37868	1.730644	1.00E-07	1.34E-07
Rbks	0.736037	1.01E-07	1.35E-07
Spns1	0.401443	1.02E-07	1.36E-07
Ncapg2	0.893404	1.02E-07	1.36E-07
A130077B	2.060759	1.03E-07	1.37E-07
Rbm22	0.266109	1.03E-07	1.37E-07
Slc10a4-ps	2.147119	1.03E-07	1.37E-07
Gm47232	1.286171	1.04E-07	1.38E-07

Ccdc136	0.377353	1.04E-07	1.39E-07
Gm42549	0.968232	1.06E-07	1.41E-07
Gm42729	1.315311	1.07E-07	1.43E-07
Gm50196	1.34907	1.09E-07	1.45E-07
Zfp609	0.309998	1.09E-07	1.46E-07
Pfkfb1	1.715868	1.11E-07	1.48E-07
Nanos1	0.467851	1.13E-07	1.50E-07
Usp38	0.398739	1.13E-07	1.50E-07
Mark3	0.202384	1.13E-07	1.51E-07
Gm50071	1.507465	1.15E-07	1.53E-07
Gm19040	2.057505	1.16E-07	1.54E-07
Nasp	0.313701	1.18E-07	1.57E-07
Gm9517	1.774653	1.19E-07	1.58E-07
Rab3gap2	0.35865	1.19E-07	1.59E-07
Ormdl2	0.330333	1.22E-07	1.62E-07
C9orf72	0.473236	1.31E-07	1.74E-07
Cln8	0.437698	1.34E-07	1.78E-07
Dnajc24	0.350507	1.34E-07	1.78E-07
Gm17477	1.056885	1.35E-07	1.80E-07
Gm14021	1.487181	1.36E-07	1.81E-07
Arid1a	0.179806	1.36E-07	1.81E-07
Map3k7	0.33226	1.37E-07	1.82E-07
Tmed8	0.402423	1.38E-07	1.84E-07
Gm42544	1.287581	1.43E-07	1.89E-07
Dqx1	1.233676	1.44E-07	1.91E-07
Gm17875	2.084893	1.44E-07	1.92E-07
Smg7	0.263041	1.49E-07	1.97E-07
Ppil6	0.593914	1.50E-07	1.98E-07
Gdpdp1	0.731496	1.50E-07	1.99E-07
Gm26670	1.413396	1.51E-07	2.00E-07
Agk	0.415927	1.54E-07	2.05E-07
Cdip1	0.256355	1.56E-07	2.07E-07
Zc4h2	0.663911	1.60E-07	2.12E-07
Car2	0.159475	1.64E-07	2.18E-07
Slc39a13	0.384558	1.64E-07	2.17E-07
Gm44571	2.135872	1.67E-07	2.21E-07
Milr1	1.203901	1.67E-07	2.21E-07
Brsk1	0.603574	1.67E-07	2.21E-07
Gm10010	1.440085	1.67E-07	2.22E-07
Hps5	0.428845	1.68E-07	2.23E-07
9530051G	1.052361	1.69E-07	2.23E-07
Zfp51	0.654274	1.70E-07	2.25E-07
Cdca3	1.884973	1.71E-07	2.26E-07
Hectd3	0.43851	1.70E-07	2.26E-07
Gm44775	1.826167	1.75E-07	2.32E-07
Gm48045	1.57241	1.76E-07	2.33E-07
BC022960	1.364508	1.77E-07	2.35E-07

Scd3	1.52884	1.78E-07	2.36E-07
Fn3krp	0.61972	1.79E-07	2.37E-07
Hmbs	0.451851	1.80E-07	2.38E-07
Coq6	0.543343	1.81E-07	2.40E-07
Ino80dos	0.701391	1.84E-07	2.44E-07
Nubp2	0.378242	1.86E-07	2.46E-07
2900035J1	0.770328	1.87E-07	2.48E-07
Ciao2b	0.224485	1.88E-07	2.49E-07
Sp3	0.190072	1.92E-07	2.54E-07
Spdya	1.032005	1.92E-07	2.54E-07
Copg2	0.346711	1.94E-07	2.57E-07
Gm14412	1.436016	1.95E-07	2.58E-07
Platr25	0.58755	1.98E-07	2.62E-07
Rab6b	0.31583	1.99E-07	2.62E-07
Gm44550	0.924215	2.01E-07	2.65E-07
Masp2	1.667838	2.01E-07	2.66E-07
Zfp93	0.928516	2.03E-07	2.67E-07
Qpctl	0.5559	2.06E-07	2.72E-07
Gabbr1	0.293994	2.08E-07	2.74E-07
Cfap54	0.815779	2.08E-07	2.74E-07
Cln5	0.357629	2.10E-07	2.78E-07
Acadvl	0.271986	2.11E-07	2.78E-07
Gm15956	1.552133	2.12E-07	2.80E-07
A930040O	2.208365	2.16E-07	2.86E-07
Gabpa	0.308875	2.20E-07	2.90E-07
Gm19265	1.910657	2.20E-07	2.90E-07
Clstn3	0.575875	2.20E-07	2.90E-07
Pmf1	0.594543	2.21E-07	2.92E-07
Patl1	0.359077	2.22E-07	2.92E-07
Ap1m1	0.364209	2.22E-07	2.93E-07
Gm38297	1.119415	2.22E-07	2.93E-07
Zfp931	0.413426	2.24E-07	2.95E-07
Clk2	0.36821	2.27E-07	2.99E-07
AW554918	0.39056	2.28E-07	3.01E-07
Gm29214	1.546164	2.30E-07	3.02E-07
Fam124a	1.309412	2.32E-07	3.05E-07
Zfp111	0.555261	2.36E-07	3.11E-07
Rad54l2	0.335964	2.38E-07	3.13E-07
1700063JC	1.484304	2.39E-07	3.14E-07
Gm47113	1.602623	2.39E-07	3.15E-07
Mtag2	1.42451	2.45E-07	3.23E-07
Gm4419	0.915081	2.46E-07	3.23E-07
Btf3l4	0.431005	2.46E-07	3.24E-07
Prcc	0.403625	2.47E-07	3.25E-07
Synpo2	0.281551	2.49E-07	3.27E-07
Pbld2	1.71556	2.50E-07	3.29E-07
Prmt8	1.189017	2.50E-07	3.29E-07

Trmt2b	0.45233	2.50E-07	3.29E-07
Sec23ip	0.324368	2.50E-07	3.29E-07
Gm37331	1.272265	2.53E-07	3.32E-07
Gm45477	0.757247	2.60E-07	3.41E-07
2010109A	1.190831	2.62E-07	3.44E-07
Prmt1	0.218111	2.64E-07	3.47E-07
Jak1	0.187216	2.65E-07	3.48E-07
Atg3	0.26813	2.66E-07	3.50E-07
Mief2	0.683521	2.67E-07	3.51E-07
Gm46136	2.151746	2.71E-07	3.56E-07
Thumpd2	0.632507	2.77E-07	3.64E-07
Fxr1	0.194585	2.86E-07	3.75E-07
Tars	0.337644	2.86E-07	3.75E-07
A830009L	1.099113	2.91E-07	3.82E-07
Gm47643	1.530579	2.93E-07	3.84E-07
Zfpl1	0.341654	2.94E-07	3.86E-07
Gm18564	2.224545	2.98E-07	3.91E-07
Nup62	0.433892	3.00E-07	3.93E-07
Gm15535	1.67786	3.10E-07	4.07E-07
Riiad1	1.010307	3.12E-07	4.09E-07
Gm15348	1.907621	3.12E-07	4.09E-07
Gm14251	1.937294	3.14E-07	4.12E-07
Gm45069	2.04437	3.17E-07	4.15E-07
Gm48254	1.089137	3.20E-07	4.20E-07
Gm44041	1.131837	3.23E-07	4.24E-07
Dexi	0.3971	3.25E-07	4.25E-07
Chrn2	1.158191	3.27E-07	4.28E-07
Usf2	0.18748	3.28E-07	4.30E-07
Prim1	0.614761	3.29E-07	4.30E-07
Dusp26	0.65862	3.30E-07	4.32E-07
Gm31024	1.362272	3.34E-07	4.37E-07
Unc50	0.211231	3.37E-07	4.42E-07
Vps26b	0.423553	3.40E-07	4.45E-07
Dnajc16	0.489009	3.42E-07	4.48E-07
Arm3	0.502194	3.46E-07	4.53E-07
Urm1	0.343953	3.52E-07	4.61E-07
Gm37510	0.991674	3.52E-07	4.61E-07
Aebp2	0.241922	3.53E-07	4.61E-07
Sac3d1	0.470097	3.57E-07	4.67E-07
Gm42842	1.751686	3.60E-07	4.70E-07
Gm15265	1.396459	3.64E-07	4.76E-07
Gm43662	1.626765	3.68E-07	4.81E-07
Smndc1	0.247141	3.69E-07	4.82E-07
Actr1a	0.245223	3.76E-07	4.91E-07
Homez	0.566227	3.76E-07	4.91E-07
Epha10	1.071576	3.84E-07	5.02E-07
Adpgk	0.543054	3.84E-07	5.02E-07

Cldn12	0.489929	3.84E-07	5.02E-07
Lrrfip2	0.276173	3.86E-07	5.05E-07
Gm29994	1.514947	3.89E-07	5.08E-07
Gm15965	1.88561	3.97E-07	5.19E-07
Gm37612	1.258336	4.02E-07	5.25E-07
Gm49915	1.446742	4.05E-07	5.29E-07
Dok3	0.995475	4.05E-07	5.29E-07
Prr22	1.82278	4.07E-07	5.32E-07
Yars	0.411018	4.08E-07	5.33E-07
Cpne9	1.544529	4.09E-07	5.34E-07
Dennd1b	0.297351	4.18E-07	5.46E-07
Vamp1	0.535945	4.21E-07	5.50E-07
Arhgap12	0.293965	4.25E-07	5.54E-07
Cc2d1a	0.50406	4.25E-07	5.55E-07
Kctd13	0.49864	4.27E-07	5.57E-07
Slc5a6	0.623827	4.30E-07	5.61E-07
Edem3	0.342307	4.36E-07	5.69E-07
Uggt1	0.296627	4.47E-07	5.83E-07
Gm37509	1.0807	4.48E-07	5.85E-07
Yipf3	0.247369	4.57E-07	5.95E-07
Usp45	0.410523	4.58E-07	5.97E-07
Dcp2	0.330818	4.65E-07	6.06E-07
Sprtn	0.446446	4.66E-07	6.07E-07
Exosc7	0.284235	4.67E-07	6.09E-07
Gm37602	1.114625	4.70E-07	6.13E-07
Vars2	0.628873	4.72E-07	6.15E-07
Cybrd1	1.668858	4.75E-07	6.19E-07
Lrriq3	1.512358	4.77E-07	6.22E-07
Gm43625	1.393185	4.81E-07	6.26E-07
Cog3	0.427152	4.81E-07	6.26E-07
Rnls	1.435467	4.95E-07	6.44E-07
Fam71f2	1.739881	4.96E-07	6.46E-07
Zfp459	1.602093	4.99E-07	6.49E-07
Fbf1	0.463883	5.02E-07	6.54E-07
Stx5a	0.241507	5.05E-07	6.57E-07
Gm14421	1.753294	5.06E-07	6.59E-07
Ovca2	0.816706	5.13E-07	6.67E-07
Polr2k	0.188565	5.15E-07	6.70E-07
Gm42937	1.267124	5.36E-07	6.97E-07
Atf6b	0.344884	5.37E-07	6.99E-07
Gm42671	1.260497	5.42E-07	7.04E-07
Kifc1	1.49543	5.56E-07	7.23E-07
Setd6	0.534747	5.61E-07	7.29E-07
Triap1	0.320689	5.63E-07	7.32E-07
Cggbp1	0.179966	5.64E-07	7.33E-07
Rwdd2b	0.901538	5.65E-07	7.35E-07
Gm42466	0.957415	5.68E-07	7.39E-07

Epg5	0.53335	5.85E-07	7.60E-07
Megf8	0.326181	5.87E-07	7.63E-07
Fkbp4	0.179428	5.88E-07	7.64E-07
D830035N	1.297799	5.92E-07	7.69E-07
Gm42664	1.022757	5.94E-07	7.72E-07
Gm37123	0.742924	5.96E-07	7.74E-07
Gm9833	1.273271	5.96E-07	7.75E-07
Ctdp1	0.483709	6.06E-07	7.87E-07
2410002F2	0.42411	6.23E-07	8.09E-07
Slc38a7	0.582792	6.24E-07	8.10E-07
Gm27017	1.846299	6.26E-07	8.13E-07
Gps1	0.251052	6.30E-07	8.18E-07
Zbtb1	0.337273	6.38E-07	8.28E-07
Uchl4	1.476147	6.46E-07	8.38E-07
1700037H	0.503904	6.50E-07	8.43E-07
Gm10037	1.166067	6.57E-07	8.53E-07
Zfp41	0.70407	6.77E-07	8.77E-07
C330018D	0.661013	6.79E-07	8.80E-07
Hacd1	0.602128	6.79E-07	8.80E-07
Edc3	0.438634	7.09E-07	9.18E-07
D530018E	0.638739	7.45E-07	9.65E-07
Gm4017	0.83047	7.57E-07	9.80E-07
Kif13a	0.308439	7.63E-07	9.88E-07
Gm19353	1.244051	7.66E-07	9.91E-07
Abhd4	0.30691	7.78E-07	1.01E-06
Gm42913	1.602256	7.81E-07	1.01E-06
Gm37370	1.381457	7.82E-07	1.01E-06
Gm49712	1.75948	7.86E-07	1.02E-06
Gm9970	1.423619	7.90E-07	1.02E-06
Dcps	0.343553	8.01E-07	1.04E-06
Gm43088	0.73929	8.03E-07	1.04E-06
Clasrp	0.409504	8.07E-07	1.04E-06
Plk1	1.917743	8.13E-07	1.05E-06
Pop4	0.3495	8.62E-07	1.11E-06
Eif2s3x	0.261514	9.13E-07	1.18E-06
E2f3	0.49087	9.25E-07	1.20E-06
Sdhaf2	0.313844	9.28E-07	1.20E-06
Tab1	0.466791	9.37E-07	1.21E-06
Gm38082	0.7432	9.58E-07	1.24E-06
Gm49309	1.656597	9.93E-07	1.28E-06
Gm20544	1.504606	1.00E-06	1.29E-06
Fkbp5	0.383835	1.02E-06	1.31E-06
Hspbp1	0.444011	1.05E-06	1.36E-06
Sbf2	0.199151	1.09E-06	1.41E-06
Pdia4	0.247665	1.11E-06	1.43E-06
Eef1aknm1	0.601115	1.11E-06	1.43E-06
Krba1	0.395527	1.14E-06	1.47E-06

Rmi1	0.398679	1.14E-06	1.47E-06
4930404N	1.345073	1.15E-06	1.48E-06
Gm10549	1.474084	1.16E-06	1.49E-06
Cyb5d1	0.843998	1.16E-06	1.50E-06
Ppp2r3d	0.367382	1.17E-06	1.50E-06
Zfp598	0.300816	1.17E-06	1.50E-06
4933439C	0.508751	1.19E-06	1.53E-06
Tent2	0.323978	1.19E-06	1.53E-06
Rxra	0.329028	1.21E-06	1.56E-06
H3c7	1.5328	1.22E-06	1.58E-06
Zfp235	0.522072	1.23E-06	1.58E-06
Tnfsfm13	1.168387	1.24E-06	1.60E-06
Gm48079	1.021628	1.25E-06	1.61E-06
Sympk	0.281295	1.25E-06	1.62E-06
Tmem241	0.617508	1.26E-06	1.62E-06
Zrsr2	0.237197	1.27E-06	1.63E-06
Slc18a2	1.418661	1.27E-06	1.63E-06
Tmem268	0.815784	1.28E-06	1.65E-06
Gm47155	1.236011	1.28E-06	1.65E-06
Coa4	0.574493	1.33E-06	1.71E-06
Gm43920	1.050904	1.33E-06	1.72E-06
Cfp	0.804603	1.35E-06	1.74E-06
Gm48742	1.527171	1.35E-06	1.74E-06
Sdf2l1	0.534103	1.36E-06	1.75E-06
Zfp954	0.599198	1.38E-06	1.77E-06
Phf6	0.345925	1.38E-06	1.78E-06
Ccne2	0.972097	1.39E-06	1.79E-06
Gm25630	1.573201	1.42E-06	1.82E-06
Cluh	0.399022	1.42E-06	1.83E-06
Gm37986	1.31877	1.44E-06	1.85E-06
Kdm4d	1.60331	1.46E-06	1.88E-06
BC030343	1.632586	1.46E-06	1.88E-06
Exosc1	0.306832	1.48E-06	1.90E-06
Gm12094	1.502903	1.48E-06	1.90E-06
Gm44676	1.437013	1.48E-06	1.91E-06
Golga2	0.302474	1.51E-06	1.94E-06
Gm37211	1.117614	1.53E-06	1.96E-06
Gm39302	1.546621	1.58E-06	2.03E-06
Prr14l	0.42952	1.60E-06	2.06E-06
Gm45130	1.472709	1.62E-06	2.08E-06
Gm13394	1.112439	1.62E-06	2.08E-06
Dap3	0.315384	1.66E-06	2.14E-06
Rgp1	0.421416	1.69E-06	2.17E-06
Casp2	0.412879	1.70E-06	2.18E-06
Ppp2r5b	0.399689	1.70E-06	2.18E-06
Mfap1b	0.235799	1.74E-06	2.23E-06
G6pc3	0.355665	1.75E-06	2.24E-06

Sytl1	1.763335	1.75E-06	2.25E-06
Gm20463	1.345397	1.80E-06	2.31E-06
Dusp19	0.585128	1.81E-06	2.33E-06
Gm44647	1.618559	1.82E-06	2.33E-06
B4galnt4	1.10507	1.85E-06	2.37E-06
Gm48796	1.65275	1.85E-06	2.37E-06
D630033A	0.573023	1.88E-06	2.41E-06
Gm42725	1.37174	1.90E-06	2.43E-06
Dhx38	0.308745	1.93E-06	2.48E-06
C1galt1c1	0.318975	1.93E-06	2.48E-06
Gm43681	0.811158	1.94E-06	2.49E-06
Smarcc2	0.181139	1.97E-06	2.52E-06
Arel1	0.401988	1.97E-06	2.52E-06
Gm47594	1.407898	1.98E-06	2.54E-06
Zbtb39	0.463455	1.98E-06	2.54E-06
Rps19-ps6	1.179653	1.99E-06	2.55E-06
Zfp568	0.540417	2.02E-06	2.59E-06
Gm2027	1.512429	2.03E-06	2.59E-06
B230322F	0.769349	2.08E-06	2.66E-06
Fam83h	1.640998	2.15E-06	2.75E-06
Sc5d	0.287687	2.16E-06	2.76E-06
Gm48706	1.482782	2.17E-06	2.78E-06
Srrd	0.442638	2.20E-06	2.81E-06
Gm42735	0.694432	2.24E-06	2.87E-06
Zpbp	1.647824	2.26E-06	2.89E-06
Pus10	0.536188	2.29E-06	2.93E-06
Coq8a	0.7128	2.30E-06	2.94E-06
Gm15799	1.679566	2.30E-06	2.95E-06
5830444F	1.913843	2.32E-06	2.96E-06
Ift52	0.355308	2.32E-06	2.97E-06
Gm26803	1.092294	2.36E-06	3.02E-06
Gm37716	1.358848	2.36E-06	3.02E-06
D830025C	0.784852	2.36E-06	3.02E-06
Hbs1l	0.319033	2.37E-06	3.03E-06
Tbc1d10b	0.320913	2.42E-06	3.10E-06
Pnpo	0.625144	2.44E-06	3.12E-06
Gm7143	1.32154	2.45E-06	3.13E-06
Nol12	0.366765	2.45E-06	3.13E-06
Pms2	0.420295	2.46E-06	3.14E-06
Erich1	0.320881	2.46E-06	3.14E-06
Timm8a1	0.426991	2.48E-06	3.17E-06
4930524O	1.744894	2.52E-06	3.22E-06
Dnase1l2	1.117973	2.53E-06	3.23E-06
Def8	0.447514	2.54E-06	3.24E-06
Rbm15b	0.339389	2.57E-06	3.28E-06
Zdbf2	0.832927	2.62E-06	3.34E-06
Drosha	0.298928	2.70E-06	3.44E-06

Gm10039	1.073837	2.72E-06	3.47E-06
Lrrd1	1.456783	2.78E-06	3.54E-06
Fv1	1.403012	2.84E-06	3.62E-06
Adck2	0.578584	2.86E-06	3.65E-06
C130060C1	1.674656	2.88E-06	3.67E-06
Gm27029	1.253596	2.92E-06	3.72E-06
2810455O	1.19086	2.98E-06	3.80E-06
Gm49413	1.075133	2.99E-06	3.81E-06
Gm45137	0.956451	3.01E-06	3.83E-06
Tarbp1	0.60744	3.04E-06	3.87E-06
Cars2	0.40376	3.09E-06	3.93E-06
Tada3	0.314862	3.12E-06	3.98E-06
Gtpbp6	0.35188	3.15E-06	4.01E-06
Zbed5	1.070517	3.16E-06	4.02E-06
Mfsd13a	0.617939	3.17E-06	4.04E-06
Gm6916	1.797728	3.24E-06	4.12E-06
Cdadcl	0.286825	3.27E-06	4.16E-06
Hs6st1	0.49004	3.32E-06	4.22E-06
Tysnd1	0.416527	3.34E-06	4.25E-06
Med27	0.414515	3.39E-06	4.32E-06
Cbr4	0.489305	3.45E-06	4.38E-06
Atm	0.383148	3.50E-06	4.45E-06
Rnf168	0.260617	3.50E-06	4.46E-06
Hmga1b	0.636977	3.60E-06	4.57E-06
Rsph3a	0.909189	3.62E-06	4.61E-06
Pcdha11	1.870024	3.69E-06	4.69E-06
Lrrc61	0.553091	3.76E-06	4.77E-06
Trmo	0.815999	3.76E-06	4.77E-06
Morn4	0.61001	3.79E-06	4.82E-06
Gm10516	1.166965	3.81E-06	4.84E-06
Carm1	0.364075	3.87E-06	4.92E-06
Gm44958	1.421645	3.98E-06	5.05E-06
Ankrd31	1.688617	3.98E-06	5.06E-06
Gpn2	0.498783	3.99E-06	5.06E-06
U1-34	1.6175	4.01E-06	5.09E-06
Pomk	0.589341	4.03E-06	5.11E-06
Pcdhga11	1.029513	4.04E-06	5.13E-06
Gm42783	0.704357	4.10E-06	5.20E-06
Gm37588	1.936848	4.13E-06	5.24E-06
Cnot8	0.271385	4.15E-06	5.26E-06
Cep70	0.400122	4.15E-06	5.26E-06
Fgfbp3	0.402598	4.15E-06	5.26E-06
Exoc8	0.430468	4.16E-06	5.27E-06
Stoml2	0.250977	4.20E-06	5.33E-06
Cenpu	1.220076	4.24E-06	5.37E-06
Tmem87b	0.235712	4.25E-06	5.39E-06
Gm18029	1.268178	4.28E-06	5.42E-06

Gm48442	1.341461	4.35E-06	5.52E-06
Nhp2	0.300338	4.37E-06	5.53E-06
Gm44646	1.113267	4.40E-06	5.57E-06
Cblb	0.424692	4.40E-06	5.58E-06
Gm38344	1.334556	4.47E-06	5.66E-06
Jmjd8	0.369473	4.52E-06	5.72E-06
Dnajc30	0.312459	4.54E-06	5.75E-06
Gm17227	1.533672	4.61E-06	5.84E-06
Polr2c	0.194312	4.66E-06	5.90E-06
Gm20627	1.300453	4.72E-06	5.97E-06
Isca2	0.254406	4.75E-06	6.02E-06
Gm42798	0.790194	4.77E-06	6.03E-06
Gm9727	1.439335	4.77E-06	6.04E-06
Zbtb17	0.440301	4.78E-06	6.04E-06
Zfp777	0.380794	4.78E-06	6.05E-06
1700109H	0.797503	4.84E-06	6.13E-06
Gm42876	1.349696	4.87E-06	6.16E-06
Gm43547	1.273444	4.90E-06	6.20E-06
Ubxn8	0.403566	4.95E-06	6.26E-06
Gm43679	0.891941	4.98E-06	6.29E-06
Gtpbp10	0.451641	5.01E-06	6.33E-06
Cinp	0.357746	5.11E-06	6.46E-06
Pcdhgb8	1.532082	5.13E-06	6.49E-06
Dctn3	0.173293	5.15E-06	6.51E-06
Ap4b1	0.551729	5.16E-06	6.52E-06
Esrra	0.384567	5.16E-06	6.52E-06
Pfdn1	0.165483	5.21E-06	6.58E-06
Rbx1-ps	1.709478	5.23E-06	6.61E-06
4930578N	1.558537	5.26E-06	6.65E-06
Kctd5	0.393972	5.34E-06	6.74E-06
E030042O	1.665447	5.36E-06	6.77E-06
8430432A	1.183122	5.40E-06	6.82E-06
Zgpat	0.431904	5.42E-06	6.84E-06
Zfp74	0.369514	5.46E-06	6.89E-06
Dync1h1	0.143223	5.48E-06	6.91E-06
Gm10800	1.617502	5.49E-06	6.93E-06
Psmf1	0.33976	5.57E-06	7.03E-06
Dtwd2	0.6692	5.57E-06	7.03E-06
Fbxo22	0.246414	5.66E-06	7.14E-06
Gm48314	1.049272	5.72E-06	7.22E-06
Cdc42bpg	0.600671	5.75E-06	7.25E-06
BC055324	1.119551	5.79E-06	7.30E-06
Gm48887	0.700015	5.82E-06	7.34E-06
Anapc1	0.225534	5.90E-06	7.44E-06
Gm38223	1.48444	6.01E-06	7.58E-06
9330102E	1.240211	6.01E-06	7.58E-06
Gm14023	1.261813	6.06E-06	7.64E-06

Malt1	0.293088	6.07E-06	7.65E-06
Tsen54	0.522794	6.14E-06	7.73E-06
Gm47496	1.363109	6.16E-06	7.76E-06
Gm5844	1.422638	6.18E-06	7.79E-06
Gm37621	0.650773	6.18E-06	7.79E-06
4931414P	0.789953	6.30E-06	7.94E-06
Cited4	0.503619	6.34E-06	7.98E-06
Zpr1	0.31969	6.40E-06	8.06E-06
Larp4b	0.16796	6.51E-06	8.19E-06
Syne1	0.145935	6.70E-06	8.43E-06
Tmem234	0.147039	6.77E-06	8.52E-06
Mthfr	0.449242	6.84E-06	8.61E-06
Trmt61a	0.748273	6.89E-06	8.68E-06
Med26	0.494531	6.90E-06	8.69E-06
Mrpl22	0.336113	7.03E-06	8.85E-06
B230362B	1.04173	7.04E-06	8.85E-06
Golph3l	0.341333	7.10E-06	8.92E-06
Senp1	0.269539	7.23E-06	9.10E-06
Gm37519	0.941535	7.31E-06	9.20E-06
Ccdc12	0.161902	7.42E-06	9.34E-06
Trim37	0.250339	7.62E-06	9.58E-06
Thoc6	0.443441	7.71E-06	9.69E-06
Gm10461	0.949844	7.76E-06	9.75E-06
Dynlt1b	1.008691	7.91E-06	9.93E-06
Etfdh	0.301473	7.92E-06	9.94E-06
Psm12	0.184233	7.92E-06	9.95E-06
Rab23	0.353457	7.96E-06	9.99E-06
Prps1l3	0.480313	8.00E-06	1.01E-05
Rps6k1	0.476771	8.02E-06	1.01E-05
Bet1l	0.270107	8.05E-06	1.01E-05
Gas2	0.666648	8.12E-06	1.02E-05
Rnft1	0.342105	8.15E-06	1.02E-05
Gpr19	0.586485	8.18E-06	1.03E-05
Gm43750	1.433355	8.26E-06	1.04E-05
Ahsa1	0.219105	8.34E-06	1.05E-05
A630072N	0.359864	8.34E-06	1.05E-05
Eloc	0.153671	8.37E-06	1.05E-05
Ube2n	0.166273	8.41E-06	1.05E-05
9630013D	1.64583	8.54E-06	1.07E-05
Celf5	0.681919	8.56E-06	1.07E-05
Kiss1r	1.163929	8.76E-06	1.10E-05
Dedd	0.31263	8.85E-06	1.11E-05
Ubr4	0.193119	8.89E-06	1.11E-05
Dhrs13os	1.109098	9.06E-06	1.13E-05
Nudt3	0.2073	9.09E-06	1.14E-05
Gm14418	0.69841	9.17E-06	1.15E-05
Med17	0.316408	9.27E-06	1.16E-05

Uqcrb	0.107535	9.41E-06	1.18E-05
Coq9	0.360348	9.41E-06	1.18E-05
Gcn1	0.243585	9.42E-06	1.18E-05
Gnl3l	0.239136	9.43E-06	1.18E-05
Klhl8	0.458712	9.53E-06	1.19E-05
Gm49683	1.293451	9.63E-06	1.20E-05
AW011738	0.317681	9.63E-06	1.21E-05
Cdk5r1	0.442979	9.68E-06	1.21E-05
Gm37488	1.251962	9.74E-06	1.22E-05
Pabpc1	0.131002	9.89E-06	1.24E-05
Gm10767	1.161441	1.04E-05	1.30E-05
Gm47802	1.087331	1.08E-05	1.35E-05
Usp4	0.224958	1.08E-05	1.35E-05
Suc1g1	0.182679	1.08E-05	1.35E-05
Scyl2	0.349934	1.08E-05	1.36E-05
Plxna3	0.94341	1.10E-05	1.37E-05
Al413582	0.352021	1.12E-05	1.40E-05
Pisd-ps2	1.067949	1.13E-05	1.41E-05
Hdac5	0.213699	1.15E-05	1.44E-05
Tatdn3	0.495433	1.18E-05	1.47E-05
Siah2	0.430839	1.19E-05	1.48E-05
Gm36930	1.291676	1.19E-05	1.48E-05
Trmt1l	0.281363	1.19E-05	1.49E-05
Nptn	0.155275	1.21E-05	1.51E-05
Seh1l	0.276011	1.22E-05	1.52E-05
Fam177a	0.847911	1.24E-05	1.54E-05
Cox7a1	0.500099	1.26E-05	1.57E-05
Zcwpw1	0.772216	1.26E-05	1.57E-05
Chtf8	0.697194	1.26E-05	1.57E-05
Nmd3	0.305967	1.27E-05	1.59E-05
Paxip1	0.338462	1.30E-05	1.63E-05
Map3k10	0.328713	1.32E-05	1.64E-05
Appbp2	0.187412	1.34E-05	1.66E-05
Smim10l2	1.430493	1.35E-05	1.69E-05
Rabepk	0.350052	1.38E-05	1.72E-05
Fam207a	0.336672	1.38E-05	1.72E-05
Gm9442	1.078238	1.41E-05	1.76E-05
Ccdc171	0.695849	1.49E-05	1.86E-05
Abcb4	1.077283	1.50E-05	1.86E-05
Pgm3	0.409822	1.51E-05	1.88E-05
Gm12902	1.426108	1.54E-05	1.92E-05
Foxk2	0.30625	1.57E-05	1.96E-05
Gm38329	1.157129	1.57E-05	1.96E-05
9130002K	0.803022	1.57E-05	1.96E-05
Mapkapk5	0.633031	1.58E-05	1.96E-05
Bet1	0.221617	1.60E-05	1.99E-05
Ppp1ccb	1.520539	1.61E-05	2.00E-05

Gm37080	0.73094	1.62E-05	2.02E-05
Ell	0.353377	1.64E-05	2.04E-05
Wdr18	0.324852	1.66E-05	2.06E-05
Luc7l2	0.115215	1.69E-05	2.10E-05
Gm44677	1.263091	1.71E-05	2.12E-05
4833412K	0.595418	1.72E-05	2.13E-05
Sf3a3	0.224734	1.74E-05	2.16E-05
Gm43289	1.531419	1.74E-05	2.16E-05
1700102P	1.146661	1.74E-05	2.17E-05
Pigg	0.416331	1.76E-05	2.19E-05
Coa5	0.30392	1.76E-05	2.19E-05
Capza1	0.307478	1.76E-05	2.19E-05
E130309D	0.41391	1.76E-05	2.19E-05
Atf1	0.245181	1.77E-05	2.19E-05
Gm43061	0.902703	1.79E-05	2.23E-05
Adra2a	1.067859	1.81E-05	2.25E-05
Fndc3a	0.20715	1.82E-05	2.26E-05
Zfat	0.592685	1.85E-05	2.29E-05
Eif3e	0.137424	1.88E-05	2.33E-05
Parp11	0.455954	1.88E-05	2.33E-05
Larp1	0.207026	1.88E-05	2.33E-05
Map2k6	0.484319	1.90E-05	2.36E-05
Gm15859	1.232294	1.91E-05	2.36E-05
Lipt2	0.63666	1.98E-05	2.45E-05
Gm14399	0.757401	2.00E-05	2.47E-05
Mybl2	1.675849	2.00E-05	2.48E-05
Itpk1	0.361917	2.01E-05	2.49E-05
Ptpdc1	0.463704	2.06E-05	2.55E-05
Zfp772	0.695669	2.07E-05	2.56E-05
Gcat	0.543326	2.08E-05	2.57E-05
Mrpl10	0.329926	2.13E-05	2.64E-05
Gm38250	1.432401	2.16E-05	2.68E-05
Gm26533	0.997685	2.17E-05	2.69E-05
Msh5	0.895929	2.19E-05	2.71E-05
Oser1	0.26829	2.21E-05	2.74E-05
Csnk2a1	0.16797	2.21E-05	2.74E-05
Sowahc	0.41723	2.26E-05	2.79E-05
Plekhn1	0.585615	2.28E-05	2.82E-05
Spcs2	0.128182	2.30E-05	2.85E-05
Pabpc4	0.48845	2.36E-05	2.92E-05
Dcaf4	0.497854	2.39E-05	2.96E-05
Harbi1	0.516837	2.42E-05	2.99E-05
Ubox5	0.664399	2.50E-05	3.09E-05
Prelid3b	0.270934	2.52E-05	3.12E-05
Wars2	0.522901	2.53E-05	3.12E-05
MLx	0.290418	2.53E-05	3.13E-05
Smarca4	0.164505	2.54E-05	3.13E-05

Gm10702	1.264598	2.56E-05	3.16E-05
Rab26os	0.40745	2.59E-05	3.21E-05
Coro7	0.364111	2.59E-05	3.21E-05
Ccdc58	0.36432	2.59E-05	3.21E-05
Dynll2	0.154891	2.63E-05	3.24E-05
Gm47840	1.227998	2.64E-05	3.26E-05
Pou5f1	1.017828	2.65E-05	3.27E-05
Heatr1	0.51021	2.66E-05	3.28E-05
Wdr92	0.420703	2.66E-05	3.29E-05
Cdh18	1.481394	2.70E-05	3.33E-05
Ndel1	0.237916	2.75E-05	3.40E-05
Gm47112	1.40573	2.76E-05	3.41E-05
Inpp5e	0.438857	2.79E-05	3.44E-05
Gm38273	1.510852	2.85E-05	3.51E-05
Cog8	0.275642	2.87E-05	3.54E-05
H1f3	0.929078	2.89E-05	3.57E-05
Nav3	0.583925	2.93E-05	3.61E-05
Tex2	0.385894	2.94E-05	3.63E-05
Cdkn2aip	0.236472	2.96E-05	3.65E-05
Micu1	0.24163	2.99E-05	3.69E-05
C030017G	1.578517	3.02E-05	3.72E-05
Cd3eap	0.343063	3.03E-05	3.74E-05
Uggt2	0.429386	3.04E-05	3.74E-05
Mthfs	0.443661	3.04E-05	3.74E-05
Nsun6	0.347356	3.09E-05	3.81E-05
Stoml1	0.376892	3.24E-05	3.99E-05
Aard	1.428155	3.24E-05	3.99E-05
E130307A	0.459005	3.27E-05	4.03E-05
4930481A	0.496388	3.29E-05	4.05E-05
Rnf26	0.428104	3.30E-05	4.07E-05
Ubl5	0.10623	3.31E-05	4.07E-05
Gm42595	0.665121	3.31E-05	4.08E-05
Arrdc4	0.761543	3.31E-05	4.08E-05
Gm33373	1.458198	3.39E-05	4.17E-05
Dnai1	1.160319	3.39E-05	4.17E-05
Gm15634	1.528082	3.41E-05	4.19E-05
Tbc1d31	0.654242	3.46E-05	4.25E-05
Gm47508	0.99373	3.46E-05	4.26E-05
Hmgb1-rs1	0.946273	3.47E-05	4.27E-05
Gm43480	1.420021	3.48E-05	4.28E-05
Map3k14	0.527264	3.50E-05	4.30E-05
Polr2i	0.174162	3.52E-05	4.33E-05
Sgta	0.206931	3.59E-05	4.42E-05
2810004N	0.251894	3.60E-05	4.43E-05
Gm15545	0.901174	3.62E-05	4.45E-05
Yars2	0.478838	3.70E-05	4.55E-05
Mknk1	0.412991	3.76E-05	4.62E-05

Megf9	0.254544	3.77E-05	4.64E-05
Gm48735	1.154724	3.80E-05	4.67E-05
Creb3	0.255345	3.84E-05	4.72E-05
Zswim4	0.521115	3.90E-05	4.79E-05
As3mt	0.235688	3.91E-05	4.80E-05
Chordc1	0.196569	3.92E-05	4.81E-05
Aurka	1.375044	3.92E-05	4.82E-05
Gm46440	1.374921	4.07E-05	5.00E-05
Unkl	0.320691	4.10E-05	5.04E-05
Dxo	0.332927	4.11E-05	5.05E-05
Gm37019	1.28446	4.30E-05	5.27E-05
Tmem19	0.348371	4.31E-05	5.29E-05
Gm49376	1.206464	4.33E-05	5.31E-05
Ercc6	0.372006	4.36E-05	5.34E-05
Fbxo5	0.582611	4.39E-05	5.38E-05
Gm37017	1.414456	4.40E-05	5.40E-05
Gm19967	0.687011	4.43E-05	5.43E-05
Gm14286	1.055698	4.51E-05	5.53E-05
Smarcd2	0.277522	4.52E-05	5.54E-05
Mogat1	0.91049	4.55E-05	5.57E-05
H4f16	0.835525	4.57E-05	5.60E-05
Gm49077	1.28237	4.59E-05	5.63E-05
Gm43766	0.821393	4.62E-05	5.66E-05
Mtss1	0.169021	4.64E-05	5.68E-05
1110013H	0.914686	4.65E-05	5.70E-05
Gm45447	1.126318	4.65E-05	5.70E-05
Gm37409	1.309566	4.69E-05	5.75E-05
1700104B	1.726073	4.71E-05	5.77E-05
Nup37	0.48446	4.75E-05	5.82E-05
Chrna7	1.756875	4.78E-05	5.86E-05
Mpzl3	1.166217	4.87E-05	5.97E-05
Gm44835	0.92547	4.88E-05	5.97E-05
D930030IC	1.295057	4.92E-05	6.02E-05
Gm11969	1.154748	4.94E-05	6.04E-05
Gm43389	0.998571	4.94E-05	6.04E-05
Fgf2	0.410622	5.00E-05	6.12E-05
Gm26749	1.212669	5.01E-05	6.13E-05
Glo1-ps	0.850104	5.04E-05	6.16E-05
C1d	0.18886	5.10E-05	6.24E-05
Pi4kb	0.340825	5.23E-05	6.40E-05
Gm14325	0.727389	5.42E-05	6.63E-05
Nphs1	1.59913	5.43E-05	6.64E-05
Gm47588	1.53481	5.56E-05	6.79E-05
Gm42548	0.679684	5.68E-05	6.94E-05
Mrpl37	0.340897	5.71E-05	6.97E-05
Pdpx	0.400791	5.71E-05	6.98E-05
Cdk7	0.31091	5.72E-05	6.99E-05

Prtg	0.744679	5.74E-05	7.02E-05
Mfap3l	0.242226	5.84E-05	7.13E-05
Max	0.153417	5.91E-05	7.21E-05
Plgrkt	0.211503	5.92E-05	7.23E-05
Slc6a20b	1.00875	5.93E-05	7.24E-05
Ptprcap	1.163649	5.94E-05	7.26E-05
Cenpo	0.707886	5.95E-05	7.26E-05
C530005A	1.00069	6.02E-05	7.34E-05
Dnajc27	0.367311	6.05E-05	7.38E-05
Nudt15	0.854374	6.10E-05	7.45E-05
Shmt2	0.37452	6.14E-05	7.49E-05
Gm45890	1.11174	6.15E-05	7.50E-05
Fbxl3	0.163362	6.26E-05	7.64E-05
Gm37314	0.99884	6.30E-05	7.68E-05
Phc3	0.169261	6.40E-05	7.80E-05
Pik3r2	0.303514	6.45E-05	7.87E-05
AA414768	1.039394	6.47E-05	7.88E-05
Dctn5	0.260415	6.52E-05	7.95E-05
Cdc40	0.185921	6.68E-05	8.15E-05
Gm6483	1.249991	6.69E-05	8.16E-05
Svil	0.176651	6.89E-05	8.39E-05
Gm43737	0.731706	7.01E-05	8.54E-05
Gm29093	0.851194	7.02E-05	8.55E-05
Cdk10	0.329469	7.11E-05	8.66E-05
Psmc5	0.150076	7.23E-05	8.81E-05
Socs4	0.208379	7.31E-05	8.91E-05
3110083C	1.072337	7.53E-05	9.16E-05
Ift20	0.142606	7.56E-05	9.21E-05
Dync1li2	0.170697	7.60E-05	9.24E-05
Gm43340	1.073292	7.61E-05	9.26E-05
Zkscan4	0.659361	7.61E-05	9.26E-05
Prss36	0.67431	7.62E-05	9.26E-05
Zmat2	0.157675	7.67E-05	9.33E-05
Zbed6	0.211459	7.67E-05	9.33E-05
Tmem120i	0.428626	7.73E-05	9.40E-05
Fam3a	0.257996	7.79E-05	9.47E-05
Tomm6	0.351597	7.81E-05	9.50E-05
Dnase2a	0.375408	7.85E-05	9.54E-05
Fbxw5	0.294961	7.87E-05	9.57E-05
Ddx47	0.258645	7.93E-05	9.63E-05
Gm48334	0.826601	7.93E-05	9.64E-05
Wdr46-ps	1.336413	8.05E-05	9.78E-05
2510046G	0.360214	8.27E-05	0.0001
Acly	0.178323	8.37E-05	0.000102
Gm30238	1.045269	8.40E-05	0.000102
Gm12743	1.14985	8.66E-05	0.000105
Cenpj	0.455039	8.69E-05	0.000106

Eloa	0.227853	8.71E-05	0.000106
Slc35b4	0.375788	8.78E-05	0.000107
Pank2	0.242539	8.99E-05	0.000109
Gm20337	1.318562	9.06E-05	0.00011
Saal1	0.402564	9.14E-05	0.000111
Gpr35	1.501578	9.31E-05	0.000113
Mrps23	0.261455	9.34E-05	0.000113
Gm49442	1.293487	9.61E-05	0.000117
Cpsf1	0.304668	9.61E-05	0.000117
Gm44597	1.314777	9.62E-05	0.000117
Gm49204	0.489358	9.65E-05	0.000117
Eme2	0.747993	9.79E-05	0.000119
Polr2g	0.169669	9.82E-05	0.000119
Dnmt1	0.240678	9.95E-05	0.000121
Gm16793	1.28868	0.0001	0.000121
Xpo7	0.217505	0.000101	0.000122
Dpp7	0.48088	0.000101	0.000123
Phf2os1	1.180664	0.000102	0.000124
BC055308	0.645577	0.000102	0.000124
Mtrr	0.470749	0.000103	0.000125
Cables2	0.258024	0.000105	0.000127
7SK-298	1.291055	0.000105	0.000127
D630030B	0.737339	0.000106	0.000128
Gm14853	0.801301	0.000106	0.000128
Dhx34	0.525659	0.000106	0.000128
Parp2	0.265917	0.000107	0.00013
Naa50	0.182097	0.000111	0.000134
Rubcn	0.29187	0.000114	0.000138
Zfp133-ps	1.179964	0.000115	0.000139
Zfp219	0.271627	0.000116	0.00014
Lrsam1	0.461753	0.000118	0.000143
Zfp12	0.379527	0.000119	0.000144
Psmd4	0.128952	0.000119	0.000144
Crkl	0.224675	0.000122	0.000147
Eef1akmt1	0.320344	0.000122	0.000147
Pbdc1	0.243979	0.000122	0.000147
Osbp	0.216508	0.000122	0.000147
Fh1	0.244102	0.000123	0.000149
1700016J1	1.359563	0.000123	0.000149
Ddx11	0.697557	0.000125	0.000151
Cbx7	0.229105	0.000125	0.000152
Lrrc23	0.862212	0.000129	0.000156
Sh3gl1	0.202163	0.000131	0.000158
Pwwp2b	0.256143	0.000136	0.000164
Kdm3a	0.224365	0.000139	0.000168
Gcfc2	0.393538	0.00014	0.000169
Hells	0.554816	0.000141	0.00017

Xab2	0.27581	0.000144	0.000173
lfrd2	0.420802	0.000145	0.000175
Zfp790	0.474197	0.000149	0.00018
Zfp341	0.72984	0.000151	0.000182
Tada2b	0.285884	0.000154	0.000185
Gm42986	0.584683	0.000154	0.000185
Mogs	0.369945	0.000154	0.000185
Kctd9	0.386243	0.000157	0.00019
Pan3	0.152037	0.000158	0.00019
Gm10125	0.49948	0.000159	0.000192
C430019N	1.548511	0.00016	0.000192
Gm43658	0.835058	0.000161	0.000193
Vmn1r4	1.263071	0.000161	0.000193
Dffb	0.467014	0.000162	0.000195
Snrnp25	0.314378	0.000163	0.000196
Gcsh	0.216237	0.000166	0.000199
C1qbp	0.186897	0.000167	0.000202
Xpo5	0.298305	0.000169	0.000203
HnrnpII	0.205584	0.00017	0.000204
Gm14227	0.911892	0.000172	0.000207
Ptcd2	0.234556	0.000174	0.00021
Wdr44	0.273208	0.000175	0.00021
Tk2	0.331547	0.000183	0.00022
Hectd2	0.639958	0.000183	0.000221
Fig4	0.389382	0.000185	0.000222
Catsper4	1.198226	0.000186	0.000224
Tufm	0.287791	0.000188	0.000226
D330041H	0.499338	0.000188	0.000226
Ssna1	0.189167	0.000191	0.000229
Urb1	0.46057	0.000191	0.00023
Gm21092	0.958289	0.000192	0.00023
Dcbld1	0.379044	0.000192	0.000231
Gosr1	0.255237	0.000193	0.000231
Ect2	1.382307	0.000198	0.000238
Uck2	0.483354	0.0002	0.00024
Cdk19os	1.400223	0.000203	0.000244
Zfr2	0.477003	0.000204	0.000245
Tmem29	0.360332	0.000205	0.000247
Pla2g6	0.441898	0.000211	0.000253
Gm38220	0.929595	0.000213	0.000256
Gm44321	0.66632	0.000215	0.000258
Mettl8	0.492467	0.000215	0.000258
Gm38286	1.157175	0.000218	0.000262
Oat	0.153505	0.000221	0.000265
9130221H	0.473705	0.000221	0.000265
Nrip3	1.11805	0.000222	0.000266
Dzank1	0.574925	0.000225	0.00027

Nup210	1.021159	0.000229	0.000274
Lancl1	0.317141	0.000229	0.000275
Ulk4	0.345863	0.000232	0.000278
Phyhd1	1.058796	0.000235	0.000282
Gm14335	0.95289	0.000239	0.000286
Pin4	0.193098	0.000239	0.000287
Ssh1	0.19503	0.000242	0.000289
Acer3	0.330974	0.000243	0.000292
Dvl1	0.23822	0.000247	0.000295
Clcn2	0.657466	0.000247	0.000296
Gm45719	0.99839	0.000252	0.000301
Igsf3	0.617464	0.000252	0.000302
C130036L2	0.481594	0.000252	0.000302
Sgf29	0.299834	0.000254	0.000305
Xrcc3	0.968896	0.000257	0.000307
Zc3h11a	0.46394	0.000257	0.000308
Mapk6	0.216373	0.000259	0.00031
Slc37a2	1.197695	0.00026	0.000311
Ankle2	0.225837	0.000262	0.000313
Gm38355	1.26277	0.000263	0.000315
Gorasp1	0.452115	0.000267	0.00032
Lin9	0.51309	0.00027	0.000323
Cutal	0.489283	0.000271	0.000324
Abcd4	0.286167	0.000271	0.000324
Nudt22	0.323649	0.000272	0.000325
Gm43813	0.934604	0.000273	0.000326
Tcp1	0.143053	0.000273	0.000327
Cip2a	1.268142	0.000273	0.000327
5430431A	0.67235	0.000278	0.000332
Tor1a	0.230626	0.000279	0.000333
Rccd1	0.455644	0.000279	0.000334
Gm48586	0.675136	0.000282	0.000337
AV039307	1.102083	0.000284	0.000339
Atp6v1d	0.153996	0.000286	0.000342
Gpi-ps	1.15501	0.000287	0.000343
Ccdc71	0.28504	0.000289	0.000345
Gm44423	0.787422	0.00029	0.000347
Pcdhga7	0.614098	0.000292	0.000349
Gm44834	1.03766	0.000295	0.000352
Golga5	0.252725	0.0003	0.000358
Zfp809	0.350639	0.000302	0.00036
Gm45762	0.610831	0.000305	0.000364
Gm15760	0.775214	0.000309	0.000368
Gm20501	1.255084	0.000311	0.000371
Ubn1	0.143545	0.000311	0.000371
Gm49064	1.127867	0.000312	0.000372
Faap24	0.582155	0.000313	0.000374

4930447C	0.361896	0.000317	0.000378
9330159F	0.741018	0.00032	0.000382
Zfp512	0.232329	0.000321	0.000382
Zfp108	0.915981	0.000321	0.000383
Perm1	1.440421	0.000323	0.000385
Gfer	0.298547	0.000335	0.000399
Agap3	0.225505	0.000336	0.0004
Lrrc59	0.211979	0.00034	0.000405
Gm4673	0.438968	0.000343	0.000409
Gm37953	0.958981	0.000348	0.000414
Alyref	0.15769	0.000353	0.00042
Pinx1	0.351052	0.000353	0.000421
Exosc9	0.263508	0.000362	0.000432
Pum2	0.111119	0.000366	0.000436
Ttc41	1.227857	0.00037	0.00044
Mcm7	0.350124	0.00037	0.00044
Nat8f4	1.077104	0.000371	0.000441
Mrto4	0.25798	0.000381	0.000453
Mcat	0.432744	0.000384	0.000457
A930009A	0.840754	0.000387	0.000461
Gm38302	1.117147	0.00039	0.000464
Ggcx	0.393997	0.000391	0.000465
D930048N	0.541864	0.000393	0.000468
Pten	0.103936	0.000398	0.000473
Nup214	0.222379	0.000409	0.000486
Gpt	0.80761	0.00041	0.000488
Tor2a	0.248833	0.000414	0.000492
Unc79	0.725378	0.000415	0.000494
Gm10524	0.464125	0.000416	0.000494
Nars2	0.470089	0.000416	0.000494
Stac3	0.904306	0.000419	0.000497
2010001A	0.300539	0.000424	0.000504
Eif4e2	0.203394	0.000426	0.000506
2510009E	0.169894	0.000428	0.000509
Twsg1	0.205451	0.00043	0.00051
Mex3c	0.21856	0.000431	0.000512
Zfp354b	0.637489	0.000431	0.000512
Trappc14	0.437888	0.000435	0.000517
Gm14295	0.472844	0.000436	0.000518
Gm48914	1.145089	0.000438	0.00052
Gm37011	1.06855	0.000439	0.000521
Gm42576	0.451076	0.000441	0.000524
Gm17530	1.132897	0.000446	0.000529
Gm38336	0.906963	0.000448	0.000531
Noc2l	0.26658	0.00045	0.000534
Tgfbrap1	0.233349	0.000452	0.000536
Gemin6	0.487002	0.000455	0.00054

Setd1a	0.274805	0.000455	0.00054
Zbtb34	0.339619	0.00046	0.000546
Rmnd5a	0.152489	0.000463	0.000549
Ptrh1	1.104945	0.000465	0.000551
Gm45873	0.824013	0.000473	0.000561
Pmm2	0.29867	0.000474	0.000562
Rpl17-ps10	1.023819	0.00048	0.00057
Gm527	0.596498	0.000482	0.000571
Mipep	0.401652	0.000492	0.000583
Pafah2	0.550422	0.000495	0.000587
Ak1	0.405722	0.0005	0.000593
Ppid	0.170264	0.0005	0.000593
1700113A	0.625591	0.000501	0.000593
Gm12934	1.186327	0.000502	0.000595
Clpb	0.266153	0.000505	0.000599
Pex11g	0.577	0.000511	0.000605
Gm37255	0.604864	0.000513	0.000607
Zfp839	0.319262	0.000514	0.000609
Cep152	0.521547	0.000516	0.00061
Gm10136	0.608287	0.000534	0.000632
Gm48986	1.057591	0.00055	0.000651
Fut10	0.41902	0.000557	0.00066
Xkrx	1.296215	0.000561	0.000663
Tmem128	0.171728	0.000565	0.000668
Figl1	1.111291	0.000567	0.000671
Gm45809	0.590094	0.000568	0.000672
Sec23b	0.22401	0.000569	0.000673
Gm47558	0.979025	0.00057	0.000674
Gm49201	0.956859	0.000574	0.000679
9530062Kl	1.007548	0.000578	0.000683
8430406P	1.052326	0.000578	0.000683
Gm38198	1.017304	0.000592	0.0007
Rpl10-ps6	0.866364	0.000609	0.00072
Adam4	1.166308	0.000612	0.000722
Gm20498	0.782753	0.000614	0.000725
Kif4	0.881508	0.000619	0.000731
Tmem177	0.58308	0.000619	0.000731
Commd6	0.163136	0.000622	0.000735
Gm12322	1.074634	0.000626	0.00074
Gm43633	1.112111	0.000627	0.000741
Pcdhgb7	0.813429	0.00063	0.000743
Atl2	0.198875	0.000654	0.000772
Tmem147	1.155121	0.000655	0.000773
Tomm5	0.153695	0.00066	0.000778
Ndufs8	0.14487	0.000668	0.000788
Ssr2	0.148108	0.000681	0.000803
Tbl3	0.319606	0.000681	0.000803

9530078K	0.822168	0.000694	0.000819
Ano8	0.46259	0.000704	0.000829
Afg1l	0.409343	0.000709	0.000836
Srd5a1	0.543605	0.000712	0.000838
Gm44090	1.223621	0.000712	0.000838
A330084C	0.952064	0.000712	0.000839
Mvb12a	0.19572	0.000715	0.000843
Gm50013	0.952284	0.000719	0.000846
Fbxo21	0.226228	0.000722	0.00085
Polr1b	0.47795	0.000725	0.000853
Ercc5	0.19465	0.00073	0.000859
Psrc1	1.266725	0.000747	0.000879
Zranb3	0.56449	0.000747	0.00088
BC031181	0.11404	0.000749	0.000882
Gm43799	0.899221	0.00076	0.000894
Gm37297	0.470425	0.000768	0.000904
Ran	0.104077	0.000769	0.000904
Nhlrc3	0.315627	0.000769	0.000905
Rcan1	0.248828	0.000773	0.000909
Dus1l	0.283273	0.00078	0.000917
Hax1	0.211153	0.000781	0.000918
Pcsk7	0.242303	0.000783	0.000921
Xrcc4	0.254343	0.000783	0.000921
Cct2	0.123819	0.0008	0.00094
Ctnnal1	0.351302	0.000804	0.000945
Phtf1	0.27925	0.000809	0.000951
S100pbp	0.238781	0.000815	0.000958
Pex12	0.44239	0.000833	0.000979
Wdr36	0.286857	0.00086	0.00101
Aldh7a1	0.214095	0.00086	0.001011
Txn14b	0.617712	0.000864	0.001015
BC051142	0.759709	0.000865	0.001016
ENSMUSG	1.10335	0.000866	0.001017
Abtb1	0.280333	0.000887	0.001042
Gm38248	0.851024	0.000919	0.001079
Vhl	0.25597	0.000924	0.001084
C230085N	1.051718	0.00093	0.001091
Gm43178	0.744388	0.000956	0.001122
Pprc1	0.398132	0.000971	0.001139
Utp20	0.353259	0.000977	0.001145
Gm12251	0.944302	0.000986	0.001156
Shpk	0.61494	0.000997	0.00117
Stk38l	0.221306	0.001003	0.001176
Pcdh19	0.463174	0.001009	0.001183
Fzd10os	1.010982	0.001019	0.001194
1810009A	0.460669	0.001029	0.001206
Gm37880	0.838645	0.00103	0.001207

Gm37864	1.026275	0.001042	0.001221
Gdi1	0.144545	0.001043	0.001222
Zfp592	0.200913	0.001043	0.001223
Gm43263	1.175321	0.001056	0.001238
Gm4356	0.533514	0.001063	0.001246
Gm37960	0.554853	0.001078	0.001263
Gm45328	1.209963	0.001083	0.001269
Magoh	0.129017	0.001085	0.001271
Ddx21	0.176083	0.001089	0.001276
Ruvbl1	0.207334	0.001098	0.001286
Actr5	0.3353	0.001118	0.001309
Fuca2	0.251044	0.001128	0.00132
Gm17344	1.063021	0.001139	0.001333
Myo1g	1.102773	0.001141	0.001336
Gm37289	0.777431	0.001158	0.001355
Gm43665	0.903227	0.001181	0.001382
Ints14	0.307786	0.001193	0.001395
Maip1	0.225728	0.001196	0.001399
Dolpp1	0.344292	0.001201	0.001405
Asnsd1	0.264465	0.00121	0.001415
Gm36262	0.895123	0.001213	0.001419
Pdcd2	0.256606	0.001218	0.001424
Zfp607a	0.477789	0.001232	0.001441
Yeats2	0.221053	0.001253	0.001465
Gm48673	0.743313	0.001276	0.001491
A830082N	0.373111	0.001288	0.001505
Hdac2	0.158968	0.001304	0.001524
Ndufb3	0.098264	0.001311	0.001532
Fxr2	0.180323	0.001319	0.001541
Crtc1	0.339171	0.001342	0.001568
Ftsj3	0.289335	0.001369	0.001599
Pradc1	0.228658	0.001377	0.001608
Trappc2	0.214679	0.001423	0.001661
Zcrb1	0.114424	0.001428	0.001667
Gm15587	0.660298	0.001431	0.00167
Gm43457	0.492356	0.001439	0.001679
Gm16310	0.760492	0.001442	0.001683
Bcl9	0.24356	0.00145	0.001692
Hmces	0.301266	0.001465	0.001709
Tmem192	0.228625	0.001478	0.001725
Zfp384	0.287163	0.001482	0.001729
Pcdhga6	0.482468	0.001484	0.001731
Msh6	0.341212	0.001509	0.001759
Tmem91	0.853896	0.00152	0.001772
Gm9768	1.176984	0.001527	0.001781
Ambra1	0.270989	0.001549	0.001806
Eif4a1	0.100349	0.001563	0.001822

Gm6612	0.610394	0.001571	0.001831
Hnrnpa3	0.081007	0.001621	0.001889
Pcdhga3	0.700202	0.001628	0.001897
Ostm1	0.263573	0.001641	0.001911
Setd5	0.115667	0.001651	0.001923
Ttc33	0.184214	0.001662	0.001936
Epn1	0.139448	0.001679	0.001956
Ubac2	0.220074	0.001691	0.001968
Slc1a5	0.387942	0.001693	0.00197
4933431K	0.583731	0.001695	0.001973
Adsl	0.260543	0.0017	0.001979
Shc4	0.79586	0.001701	0.00198
Ficd	0.334787	0.00175	0.002036
Acaa1a	0.225438	0.00176	0.002048
4930466K	0.460467	0.001791	0.002082
Gm46447	1.164166	0.001799	0.002092
1810014B	0.378773	0.0018	0.002092
1110035H	0.405228	0.001804	0.002097
Gm14634	0.956169	0.00182	0.002115
Ppp6c	0.154878	0.001849	0.002149
Prox2	0.63704	0.00186	0.002162
Pex16	0.274411	0.00187	0.002173
2900002M	0.953	0.001881	0.002185
Gm44953	1.039161	0.001891	0.002197
Fubp3	0.189795	0.001909	0.002217
Bbx	0.136228	0.001922	0.002233
Habp4	0.227588	0.001926	0.002237
Gm43378	0.66677	0.001927	0.002237
Rad9a	0.343576	0.001935	0.002247
Lrrc28	0.381772	0.001956	0.002271
Kif16b	0.270706	0.001962	0.002278
Gm2238	0.568912	0.00199	0.00231
Josd2	0.22429	0.001996	0.002316
Mypop	0.321425	0.002028	0.002354
1500026H	0.436812	0.00204	0.002367
AY036118	0.510009	0.002041	0.002367
Gm5129	1.103186	0.002085	0.002419
Pcdhga10	0.500301	0.002102	0.002438
Cdk16	0.165814	0.002109	0.002446
Wdr48	0.178276	0.002111	0.002448
Gm38036	0.448024	0.002119	0.002457
Gm48889	0.560679	0.002123	0.002462
Msantd4	0.16927	0.002148	0.00249
Fbxo44	0.430388	0.002149	0.002491
Mtg1	0.326675	0.00215	0.002492
Nacad	0.552791	0.002181	0.002528
1700105P	0.989453	0.002223	0.002576

Itgb3bp	0.253037	0.002231	0.002585
Nudt1	0.380706	0.002251	0.002607
Gm49085	0.799338	0.002251	0.002607
Kif27	1.201095	0.002258	0.002616
Tmem18	0.281942	0.00226	0.002617
Hars	0.187464	0.002275	0.002634
Nprl2	0.277545	0.002277	0.002637
Eya3	0.269613	0.002301	0.002664
Pigl	0.457967	0.002303	0.002667
H3c4	0.901606	0.002333	0.002701
Uppt	0.830055	0.002353	0.002724
Osbpl7	0.293625	0.002356	0.002728
Sanbr	0.267695	0.002377	0.002751
Cdipt	0.154268	0.00249	0.002881
Tmub2	0.229639	0.002511	0.002905
C430014B	0.85269	0.002515	0.00291
Porcn	0.276027	0.002562	0.002963
Pgbd5	0.443622	0.002578	0.002981
1700123O	0.188751	0.002603	0.003009
Podxl2	0.280178	0.002623	0.003032
Gm48138	0.343574	0.002627	0.003036
Nup133	0.258207	0.002632	0.003041
Snrpd3	0.116759	0.002641	0.003052
Fbxo4	0.288819	0.002652	0.003064
D2hgdh	0.373938	0.002656	0.003069
Pigz	0.465443	0.00267	0.003084
Pdrg1	0.146731	0.002684	0.0031
Mlycd	0.217599	0.002747	0.003172
Grcc10	0.16355	0.002805	0.003238
Gm11491	0.91546	0.002807	0.00324
Gpr158	0.918879	0.002813	0.003247
Antkmt	0.381392	0.002826	0.003261
Lars	0.160634	0.002855	0.003295
Dmap1	0.266487	0.002858	0.003298
Gm45354	0.952182	0.002862	0.003302
Lipo3	0.364691	0.002894	0.003339
Gm28941	0.836719	0.002926	0.003374
Chm	0.17444	0.00293	0.003379
Trnau1ap	0.142308	0.002981	0.003437
Zhx1	0.133335	0.003005	0.003464
Gm42782	1.014721	0.003006	0.003465
Gm42872	1.101003	0.003009	0.003469
Palb2	0.551922	0.003031	0.003493
Atp5c1	0.083857	0.00305	0.003515
Selenot	0.104772	0.003055	0.00352
Sgsm1	0.681013	0.003135	0.003611
Zfp622	0.183366	0.003135	0.003611

Gm13625	0.71776	0.003196	0.003681
Sirt7	0.185735	0.003214	0.0037
Nptx2	0.838177	0.003214	0.0037
Gm4540	0.857722	0.003223	0.00371
Trim45	0.470994	0.003271	0.003766
Bap1	0.211577	0.003327	0.00383
Mindy3	0.197508	0.003331	0.003834
Zfp39	0.355599	0.003336	0.003839
Nceh1	0.169885	0.003344	0.003849
Gm42979	0.422573	0.003391	0.003901
Dr1	0.195888	0.003406	0.003918
Zdhhc24	0.355162	0.003435	0.003951
Ube2i	0.10732	0.003443	0.00396
Coa3	0.114527	0.003454	0.003972
Gm10933	0.704513	0.003464	0.003984
Mrpl42	0.126531	0.003496	0.004019
Aldh1l2	0.9394	0.003612	0.004152
Rrp36	0.247416	0.003636	0.004179
Jmy	0.124892	0.00368	0.00423
Zfp286	0.477953	0.003693	0.004244
Gm16845	0.661923	0.003705	0.004258
Rpp14	0.217246	0.003811	0.004379
Tmem25	0.679145	0.003813	0.00438
Armc5	0.262579	0.003818	0.004386
Gm26691	0.913231	0.003822	0.00439
Naga	0.253892	0.003833	0.004403
Gm47503	0.854506	0.003835	0.004404
Nol3	0.55992	0.00388	0.004455
Gm25541	1.05918	0.003894	0.00447
Stmn3	0.236983	0.003914	0.004493
Dcun1d5	0.141053	0.003941	0.004523
Klhl20	0.212181	0.003954	0.004538
Bmf	0.332056	0.003995	0.004584
Nmral1	0.474666	0.004009	0.0046
Zfp30	0.231192	0.004037	0.004631
Gm5857	0.723424	0.004061	0.004658
Ccdc22	0.341043	0.004112	0.004716
Prkag1	0.157537	0.004147	0.004755
Gm45399	0.915914	0.004172	0.004784
Igfbp1	0.147623	0.0042	0.004815
Prep	0.262575	0.004205	0.004821
Mrps9	0.186635	0.00421	0.004826
Elp6	0.385674	0.004291	0.004918
Nlr1	0.482704	0.004308	0.004938
Slc30a6	0.300294	0.004323	0.004955
Gm29562	1.050985	0.004329	0.004961
Dtx2	0.304218	0.004367	0.005004

Krtcap3	0.71479	0.004534	0.005193
ENSMUSG	0.600932	0.004565	0.005229
Gm10297	0.905356	0.004569	0.005233
Gm44270	0.50902	0.004594	0.005261
Leprotl1	0.141653	0.004615	0.005283
Gm20172	0.766815	0.004668	0.005344
H4c4	0.179132	0.004799	0.005494
Top3a	0.438311	0.004854	0.005556
Grem2	1.012871	0.004913	0.005622
Gm45084	0.681958	0.004938	0.005651
Amd2	0.495205	0.004951	0.005665
Pex19	0.177471	0.004982	0.0057
Ube4b	0.155171	0.005008	0.005729
Ppp5c	0.175266	0.005025	0.005748
Sec24c	0.172311	0.005147	0.005886
Ccdc17	0.573212	0.005215	0.005962
Fpgt	0.278185	0.005247	0.005998
Skiv2l	0.206801	0.005256	0.006009
Ggnbp2	0.107151	0.005262	0.006015
Zfp532	0.174293	0.005275	0.006029
Gm3695	0.979983	0.005335	0.006096
Ddx39a	0.205283	0.005446	0.00622
Usf3	0.169079	0.005453	0.006228
Mrpl12	0.142	0.005514	0.006298
Hmga1	0.518448	0.005563	0.006352
Pkd2l2	0.868017	0.005644	0.006443
Serac1	0.675462	0.005669	0.006471
Ppat	0.288561	0.005701	0.006507
G2e3	0.21465	0.005711	0.006518
Strap	0.121065	0.005734	0.006544
Lat	1.15349	0.00574	0.00655
Brd2	0.088326	0.005783	0.006598
Zfp580	0.209253	0.005828	0.006649
Ik	0.100977	0.005852	0.006675
Naa12	0.130181	0.005858	0.006682
4930470G	0.848641	0.006044	0.006892
Tiam2	1.106099	0.006083	0.006936
Inca1	0.514796	0.006136	0.006996
Foxj1	0.808598	0.006144	0.007004
Gm37101	0.407321	0.006197	0.007063
Parl	0.162448	0.006361	0.007249
Zfp473	0.823087	0.006694	0.007626
Klhl22	0.253521	0.006698	0.00763
Siva1	0.143745	0.006752	0.007691
Camk2b	0.278078	0.006764	0.007704
Tomm40l	0.230564	0.006779	0.00772
Gm44283	0.372742	0.006782	0.007723

Acad11	0.273347	0.006789	0.00773
Smc6	0.106855	0.006806	0.007748
9130401N	0.216051	0.006814	0.007758
Smarce1	0.130486	0.006833	0.007779
Gm44901	0.652367	0.006873	0.007824
Unc13d	0.730672	0.006943	0.007902
Gm26575	0.945041	0.007003	0.007968
Vdac1	0.08613	0.00705	0.008022
Gm10571	0.992518	0.007117	0.008097
Dnd1	0.900586	0.007138	0.00812
Gm48627	0.87387	0.007282	0.008282
Pgpep1	0.231186	0.007295	0.008296
Cdt1	0.669232	0.007503	0.008529
Nfkbie	0.636861	0.007518	0.008546
Gm14391	0.69085	0.00754	0.00857
Fcho1	0.610754	0.007542	0.008572
Gm43029	0.781811	0.007589	0.008625
Phtf1os	0.613164	0.007615	0.008653
Mrps14	0.095277	0.007668	0.008712
Snrnp35	0.258657	0.007674	0.008719
B3gat2	0.375286	0.007724	0.008774
Retreg3	0.143944	0.007743	0.008796
Coprs	0.2217	0.007812	0.008874
Map2k2	0.106819	0.00802	0.009106
Gm47963	0.56329	0.008029	0.009115
Rps13-ps4	0.899421	0.008032	0.009117
Pex11b	0.189136	0.008044	0.009131
Mtrf1	0.398452	0.008061	0.009149
Zbtb38	0.100085	0.008095	0.009186
Commd10	0.185214	0.008246	0.009356
Gm30340	0.604759	0.008381	0.009506
Kat8	0.214831	0.008574	0.009721
Ankmy1	0.968234	0.008632	0.009784
Etaa1os	0.462278	0.008648	0.009802
Siglece	0.986178	0.008743	0.009907
2410022N	0.274968	0.008866	0.010045
Xrcc1	0.211554	0.008885	0.010066
Atxn7	0.125845	0.009143	0.010355
Sft2d1	0.259898	0.009169	0.010383
Gins1	0.793395	0.009184	0.0104
Oxsm	0.389555	0.009191	0.010407
D130020Li	0.354921	0.009231	0.01045
H2-K2	0.292708	0.009231	0.01045
Gm43167	0.875016	0.009283	0.010508
Polh	0.338927	0.009296	0.010522
Ppp6r1	0.164048	0.009359	0.010592
Jade3	0.375584	0.009366	0.010599

Marf1	0.111826	0.009558	0.010814
Ufm1	0.125171	0.009623	0.010886
Gm34294	0.894064	0.009724	0.010998
Gm45342	0.455514	0.009778	0.011059
Rbis	0.146394	0.009813	0.011098
Disp2	0.534499	0.009825	0.01111
Tmem79	0.763971	0.00986	0.011149
Gm47483	0.298575	0.010045	0.011355
Fars2	0.244636	0.010088	0.011404
Arl6ip1	0.078368	0.01015	0.011469
Tfpt	0.224345	0.010485	0.011845
Noc4l	0.309394	0.010489	0.011848
Pmvk	0.148165	0.010665	0.012045
Preb	0.150178	0.010927	0.012337
Slc2a4rg-p	0.38984	0.011004	0.012423
Gm38309	0.746335	0.011035	0.012457
Fbxo46	0.291148	0.01112	0.012552
Gabra2	0.795952	0.011144	0.012578
Wrnip1	0.159604	0.011152	0.012586
Cpsf4	0.25623	0.011205	0.012645
Pelp1	0.193038	0.011219	0.01266
Abhd14b	0.147459	0.011334	0.012785
Eno3	0.461467	0.011634	0.01312
Nabp2	0.133182	0.011658	0.013146
Zc3hc1	0.231054	0.011678	0.013167
Ndufaf7	0.153069	0.011762	0.013262
Tmem165	0.116555	0.011878	0.01339
4930426l2	0.457818	0.011954	0.013474
Fam189b	0.336679	0.011961	0.01348
Gm47218	0.680171	0.012007	0.013531
Gm10209	0.741453	0.012123	0.01366
Gm17951	0.673905	0.01214	0.013678
4930534H	0.879164	0.012181	0.013723
Prob1	0.484511	0.012257	0.013807
Farsb	0.163849	0.012531	0.014111
Ank	0.176062	0.012551	0.014133
ENSMUSG	0.838881	0.012617	0.014206
Tollip	0.151361	0.012667	0.014262
Zmym3	0.201431	0.012678	0.014273
Cdc14b	0.242556	0.01269	0.014285
Grhl1	0.607458	0.012691	0.014286
Gm45266	0.509052	0.012984	0.014612
Hacd2	0.172946	0.013008	0.014638
Zzef1	0.156989	0.013053	0.014687
Nemp2	0.345606	0.013109	0.014746
Cnpy2	0.104948	0.013153	0.014795
Syap1	0.139158	0.013274	0.014929

Ndst2	0.239576	0.013322	0.014982
Tsacc	0.491408	0.013386	0.015052
Gm14049	0.57845	0.013416	0.015085
Clta	0.068358	0.013434	0.015104
Pole4	0.12759	0.013788	0.015499
Fam76b	0.124351	0.013825	0.015538
Gas6	0.088776	0.014049	0.015786
Klhl25	0.274853	0.014064	0.015803
Ccdc124	0.113274	0.014157	0.015903
Slc9a6	0.199032	0.014387	0.016157
Mettl9	0.103436	0.014397	0.016167
Cyb561d1	0.335442	0.014532	0.016316
Cyb5rl	0.508466	0.014588	0.016378
Gm7265	0.380362	0.014679	0.016479
9530056E	0.276778	0.014687	0.016486
Wnk1	0.066193	0.014689	0.016487
C77080	0.467502	0.014962	0.016789
Tbk1	0.147664	0.015194	0.017043
Arrb2	0.235031	0.015226	0.017079
Ahcy	0.56652	0.01541	0.017284
Zfp64	0.251904	0.015419	0.017292
Apaf1	0.241263	0.015474	0.017353
Gm16259	0.729648	0.015578	0.017467
B330016D	0.181098	0.015579	0.017467
Mfsd11	0.225259	0.015619	0.017511
Suco	0.119429	0.015633	0.017523
Agap1	0.104048	0.015659	0.017551
Hk1os	0.59974	0.016076	0.018011
Gm48961	0.69506	0.016126	0.018066
Rbbp4	0.089193	0.016134	0.018074
Gm38115	0.365406	0.016203	0.018148
Phkg2	0.180617	0.016475	0.018449
Poldip2	0.141999	0.01656	0.018543
Jazf1	0.652906	0.016929	0.018954
Gm45632	0.740976	0.016971	0.018999
Eprs	0.090413	0.017074	0.019112
Eps8l1	0.399412	0.01732	0.019384
Glyr1	0.105774	0.017355	0.019422
Gm37399	0.28267	0.017366	0.019433
Arl6ip4	0.11307	0.017393	0.019462
Socs6	0.167579	0.017555	0.019641
Nsun2	0.160709	0.017724	0.019827
Gm49839	0.365485	0.01787	0.019988
Plrg1	0.174166	0.018073	0.020213
9530056K	0.867392	0.018215	0.020369
Mrpl53	0.667626	0.018348	0.020514
Gm20633	0.770708	0.01835	0.020515

Lig1	0.192413	0.018397	0.020566
54304020	0.606827	0.018511	0.02069
Gm42508	0.672103	0.018562	0.020745
Usp51	0.668926	0.018708	0.020905
Vmac	0.195678	0.018791	0.020996
Selenoh	0.116993	0.018838	0.021045
Arhgef10l	0.245542	0.01893	0.021146
Gm12898	0.770718	0.018959	0.021177
C230035l1	0.607572	0.018971	0.021189
Gpkow	0.179413	0.019142	0.021379
Fbl	0.157014	0.019299	0.021552
Mthfd1	0.269127	0.019537	0.021815
Plk4	0.349573	0.019823	0.022128
Gm49260	0.735217	0.020006	0.022329
Slc26a11	0.3281	0.0203	0.022654
Gm45484	0.785173	0.020425	0.022792
Rnf208	0.311776	0.020834	0.023247
Hsd17b12	0.122161	0.021201	0.023651
Rpl21-ps3	0.706744	0.021333	0.023797
Gm36527	0.684476	0.021514	0.023994
Gm13408	0.71227	0.02163	0.024123
Armxc3	0.123782	0.021941	0.024467
Mtbp	0.317702	0.021983	0.024513
Pcdhgc4	0.313599	0.02202	0.024552
Gm42941	0.673604	0.022081	0.024618
Glyctk	0.683192	0.022104	0.024642
Gm44636	0.680549	0.022249	0.024801
Cisd3	0.171701	0.022281	0.024834
Gm24362	0.709384	0.022297	0.02485
Pafah1b3	0.163626	0.022402	0.024965
Slc12a9	0.232095	0.022459	0.025027
Etfrf1	0.170497	0.022692	0.025285
Myo7a	0.427962	0.022737	0.025332
Pik3r4	0.177111	0.022785	0.025382
Uso1	0.124708	0.022913	0.025519
Zfp599	0.713538	0.022919	0.025524
Lsm3	0.141683	0.02294	0.025545
Vmn2r57	0.736828	0.022993	0.0256
Ciao1	0.14951	0.023027	0.025636
Txndc9	0.104463	0.023072	0.025685
Pus7l	0.455743	0.023148	0.025768
Akap7	0.128328	0.023227	0.025853
Ppp2ca	0.074045	0.023333	0.025968
Dapk3	0.166933	0.023737	0.026412
Gm43133	0.546484	0.023779	0.026456
Elp3	0.178398	0.023819	0.026496
Gm50094	0.472947	0.02413	0.026834

Rxrb	0.13469	0.024146	0.026851
Slc5a5	0.558287	0.024185	0.026892
Slc7a4	0.570772	0.024272	0.026986
Cradd	0.206916	0.024512	0.027249
4833418N	0.385818	0.024563	0.027303
Rap2a	0.143084	0.024985	0.027767
Prrc2a	0.085863	0.025063	0.027852
Ddx56	0.203889	0.025134	0.027928
H4c1	0.66327	0.025409	0.028228
Gm15420	0.656296	0.025614	0.028454
Prickle1	0.118714	0.025619	0.028456
Armc6	0.291809	0.025623	0.028459
Mia3	0.084043	0.025773	0.028623
Mrpl1	0.177742	0.025866	0.028725
Gstp-ps	0.33004	0.026238	0.029127
Gm9803	0.498583	0.026242	0.02913
Gm22146	0.564949	0.0263	0.029192
Endov	0.227959	0.02662	0.029542
Rtf1	0.076379	0.026764	0.029698
Hdac8	0.254648	0.026881	0.029823
Gm5628	0.623063	0.026993	0.029943
Pdcd11	0.146553	0.027083	0.03004
Gm49797	0.207135	0.027423	0.030413
Trim46	0.576118	0.027516	0.03051
Gm12183	0.600133	0.027744	0.03076
Mastl	0.591257	0.027926	0.030957
Slc22a13b	0.780461	0.02794	0.030971
Imp4	0.140809	0.028057	0.031098
Zkscan17	0.176587	0.028243	0.031294
Trappc5	0.118639	0.028243	0.031294
Actr1b	0.117329	0.028336	0.031395
Bri3bp	0.227828	0.028636	0.031725
Sike1	0.103667	0.028767	0.031864
Rps15a-ps	0.485229	0.028767	0.031864
2310033P	0.132201	0.02882	0.031919
Bud23	0.168518	0.029664	0.032844
Gm14410	0.665973	0.02977	0.032955
Sdr42e1	0.537395	0.029838	0.033026
Snx15	0.146064	0.030025	0.033228
Slc35c2	0.219061	0.030278	0.033502
Cgrrf1	0.128297	0.030364	0.033592
Cic	0.109066	0.030458	0.033691
Elapor2	0.640124	0.030538	0.033778
Mrpl55	0.141167	0.030761	0.034017
Gm37023	0.559697	0.03078	0.034035
Gm11737	0.597249	0.030839	0.034098
D430019H	0.679353	0.03086	0.034119

Zmat3	0.201793	0.031029	0.034303
Rufy1	0.13842	0.031291	0.034582
Slc33a1	0.182328	0.031406	0.034707
Med15	0.122242	0.031679	0.035006
Kdm2b	0.176939	0.031732	0.03506
Syngap1	0.431049	0.03202	0.035375
Zfp628	0.255408	0.03204	0.035394
Tbc1d20	0.10692	0.032315	0.035696
Gm30015	0.513288	0.032578	0.035981
Gpatch1	0.164255	0.032727	0.036143
Abca7	0.164287	0.032816	0.036238
Gm35315	0.676279	0.032828	0.036246
Mpv17	0.127744	0.033013	0.036448
Ttll12	0.264548	0.033167	0.03661
Hdac10	0.266178	0.033194	0.036637
Ddx25	0.47662	0.033198	0.036639
Spsb4	0.835551	0.033306	0.036753
Med11	0.220298	0.033389	0.036842
Mcf2	0.632143	0.033419	0.036872
Gm26982	0.384139	0.033572	0.037038
Szrd1	0.10955	0.033812	0.0373
Pcyt1a	0.118978	0.033854	0.037343
4732491K	0.37799	0.03408	0.03759
1700094D	0.532934	0.034083	0.03759
Gm41760	0.534703	0.034367	0.037898
Cfap126	0.596859	0.034572	0.038116
Dcakd	0.186013	0.034631	0.038178
5033417F	0.547927	0.035215	0.038814
Gm12655	0.552757	0.035263	0.038863
1700087I2	0.766197	0.035427	0.039039
7SK-110	0.654994	0.035519	0.039134
Gm42672	0.739169	0.035554	0.03917
2410006H	0.084954	0.035905	0.039544
Creld2	0.15925	0.036125	0.039784
Gm48161	0.674685	0.03649	0.04018
Gm48890	0.324659	0.036948	0.040678
Gpc1	0.336166	0.037007	0.04074
Prpf6	0.102531	0.037191	0.040937
Mepce	0.128827	0.037429	0.041196
Gm43482	0.438089	0.037742	0.041531
Dclre1c	0.305931	0.03783	0.041625
Gm37676	0.634346	0.038167	0.041989
Pgbd1	0.57726	0.038421	0.042266
Adck1	0.246714	0.038646	0.042507
Cand2	0.340301	0.038699	0.042562
Gm42856	0.446874	0.0389	0.042777
Dhx33	0.242481	0.039016	0.042902

Zfp551	0.432042	0.039532	0.043462
Gm10643	0.613944	0.039687	0.043626
Smu1	0.102953	0.040052	0.044021
Pea15a	0.0599	0.040136	0.04411
Gm43544	0.43186	0.040207	0.044186
Slc2a8	0.223453	0.040228	0.044202
Acsf3	0.27104	0.040256	0.04423
Gm13423	0.438223	0.040559	0.044559
Gm16835	0.661979	0.040572	0.04457
Timm17b	0.116937	0.040788	0.044801
Ubb-ps	0.148244	0.041167	0.045213
Nfkb2	0.227461	0.041546	0.045619
Ccdc28a	0.223668	0.041606	0.04568
Cct8	0.077796	0.042337	0.046464
Asxl1	0.128602	0.043408	0.047622
Eftud2	0.107736	0.04354	0.04776
Rps2-ps10	0.292118	0.043786	0.048024
Gm6542	0.402935	0.044086	0.048342
Dnmt3b	0.303554	0.044189	0.048448
Mtrfr	0.177432	0.044289	0.048553
Dtnbp1	0.120691	0.044323	0.048587
Sbsn	0.76785	0.044432	0.048692
Gm36638	0.4431	0.044481	0.048743
Gm44830	0.628072	0.044589	0.048857
Tmem147	0.093154	0.044756	0.049037
Ubal1	0.135812	0.044849	0.049135
Acat1	0.102074	0.044943	0.049231
Hdac3	0.139064	0.044963	0.04925
Slc35b1	0.105298	0.045177	0.049473
Phc1	0.117602	0.045208	0.049503
Zfp646	0.129618	0.045395	0.049704
Gm6710	0.284439	0.045449	0.049759
Gm44623	0.484686	0.045487	0.049797
Gm38375	0.50815	0.045555	0.049868
Zfand4	0.474108	0.045748	0.050073
Tmem33	0.094791	0.045849	0.050179
Gpr173	0.421445	0.046363	0.050734
Fem1a	0.53219	0.046913	0.051329
Gm11423	0.438752	0.047578	0.052045
Pcdhgb2	0.39184	0.047869	0.052352
Ndor1-1	0.41106	0.048695	0.053236
Nudt2	0.132318	0.049279	0.05387
1500002C	0.476145	0.049548	0.054152
Gtf2h2	0.177529	0.050795	0.055499
Elovl6	0.224208	0.051644	0.056418
A730081D	0.570066	0.051727	0.056505
Proser2	0.121693	0.052155	0.056968

Ccdc159	0.668702	0.05292	0.057791
Mfsd3	0.41843	0.053102	0.057977
Dip2c	0.126471	0.053186	0.05806
Gm7972	0.608727	0.053507	0.058403
Ppp4r2	0.083691	0.053533	0.058425
Ccdc167	0.151324	0.053535	0.058425
Gm37144	0.457789	0.053789	0.058697
Vac14	0.198139	0.053883	0.058796
Ltn1	0.119709	0.054253	0.059195
D930036K	0.648779	0.054473	0.059431
Por	0.099897	0.054658	0.059625
Gm9869	0.574362	0.055251	0.060262
Dnhd1	0.505993	0.055482	0.060509
Gm49327	0.255522	0.055625	0.060661
Gm37663	0.266665	0.055909	0.060967
Tmem259	0.095024	0.05612	0.061192
Hgs	0.120923	0.056291	0.061374
Commd9	0.158229	0.056395	0.061483
Gm16060	0.371926	0.056718	0.061826
Fbxl2	0.189625	0.056736	0.061841
Nop9	0.178731	0.056961	0.062082
Rsrc1	0.094083	0.057561	0.062731
Dhx57	0.170827	0.057883	0.063074
Efna2	0.42954	0.058173	0.06338
Gm15421	0.57929	0.058387	0.063608
Gm45343	0.281343	0.058521	0.063745
Jtb	0.087939	0.058546	0.063767
Gm15186	0.387115	0.058841	0.064085
Nsfl1c	0.09433	0.059567	0.064866
A230072C	0.486473	0.059636	0.064936
Gm37052	0.266554	0.05993	0.065252
Gm15860	0.360877	0.060183	0.065522
Fpgs	0.233214	0.060364	0.065714
Gabrb3	0.198505	0.060438	0.06579
Mad1l1	0.191357	0.060786	0.066164
Ephb2	0.357461	0.061156	0.066557
Mrpl17	0.087153	0.061863	0.067322
Hmgb3	0.171184	0.06191	0.067368
Alg1	0.149375	0.062585	0.068098
Daam1	0.086724	0.062797	0.068323
Rcc1l	0.255241	0.063345	0.068904
Ppp1r11	0.072088	0.063372	0.068928
Actl6b	0.467138	0.063389	0.068943
Gm20492	0.437993	0.063528	0.069084
Chst12	0.221371	0.063744	0.069314
Pacc1	0.375901	0.063753	0.069318
Slc35f6	0.187157	0.064213	0.069809

Ergic3	0.071834	0.065589	0.071298
Lrig1	0.153943	0.06567	0.071382
Casp3	0.194443	0.066295	0.072041
Nr3c2	0.1497	0.068188	0.07407
Trmt6	0.143612	0.068947	0.074884
Senp3	0.125955	0.069	0.074936
Smarcal1	0.166628	0.069417	0.075384
Ykt6	0.113462	0.071954	0.078104
4930412F	0.444977	0.072249	0.078419
Aifm2	0.212695	0.072461	0.078643
Rpn1	0.075872	0.074775	0.081149
Tpr	0.051963	0.076762	0.083287
Gm43360	0.364339	0.076987	0.083525
Cklf	0.180591	0.076997	0.083531
Elmo3	0.393864	0.077151	0.083692
Tmem263	0.108536	0.0772	0.083738
Psma1	0.06654	0.077949	0.084527
Inpp5b	0.132737	0.078211	0.084804
Gm13483	0.465605	0.078446	0.085053
Gatb	0.273921	0.078732	0.08535
Cenpl	0.263582	0.079588	0.08626
Wwc1	0.434114	0.079633	0.086302
Pfn4	0.446719	0.079691	0.086358
Gm29394	0.553761	0.08088	0.087622
Arl8a	0.09019	0.081448	0.088218
1110006O	0.513673	0.081856	0.088654
Stk4	0.116486	0.082408	0.089238
Cep192	0.144284	0.082574	0.089406
Ccdc28b	0.090025	0.082877	0.08972
Zkscan6	0.22832	0.082904	0.089743
Lhpp	0.229205	0.083003	0.08984
C130083A	0.486189	0.084626	0.091581
Rpl10a-ps1	0.141047	0.08574	0.092766
Tdrd9	0.656366	0.085976	0.093015
Rfc1	0.075563	0.086265	0.093314
Gm32282	0.352791	0.086976	0.09407
Zfp229	0.19319	0.08782	0.094968
Gm50232	0.358548	0.088331	0.095508
Psm6	0.05849	0.088475	0.095656
Tmod1	0.259102	0.088874	0.09608
Slc36a1	0.250133	0.089101	0.096312
Gm42658	0.509731	0.089304	0.096524
Efcab2	0.189053	0.089362	0.09658
Gm48335	0.560586	0.089471	0.096691
Phf21a	0.088432	0.089569	0.09679
Pitpnm2	0.091947	0.089588	0.096804
Gys1	0.239222	0.090335	0.097603

Gm15712	0.309167	0.090745	0.098033
Tstd2	0.159169	0.092682	0.100075
Gm37583	0.146538	0.092721	0.100109
Gm10762	0.229025	0.093138	0.100553
Gm42822	0.386139	0.093588	0.101017
Gm4430-1	0.538569	0.095111	0.102646
Mios	0.155594	0.096522	0.104161
Cdc45	0.439683	0.096728	0.104368
Yjefn3	0.365378	0.096937	0.104586
Gnal	0.337175	0.097833	0.105538
Gm48949	0.507598	0.098764	0.106527
Gm42878	0.599043	0.09935	0.107151
MLlt1	0.14216	0.099686	0.107498
Tcf12	0.060581	0.099946	0.10777
Mapkap1	0.08979	0.100117	0.107947
Gm37726	0.405598	0.101453	0.109356
Usp50	0.307533	0.10157	0.109466
Cnm3	0.11167	0.101666	0.109561
Add2	0.330453	0.102586	0.110529
Gpt2	0.352598	0.103127	0.111096
Gm44616	0.487125	0.103258	0.11123
Srcin1	0.286876	0.103554	0.11154
Hspe1-rs1	0.406498	0.103566	0.111545
1700008JC	0.201706	0.103613	0.111588
Gmppa	0.167334	0.104323	0.112337
Ccdc43	0.124558	0.104854	0.1129
Cep131	0.24164	0.105096	0.113152
Ypel5	0.088711	0.105338	0.113405
Rnf114	0.098324	0.105477	0.113546
Chpf2	0.146844	0.105553	0.113619
Mib2	0.161568	0.106536	0.114661
Atg5	0.093166	0.106893	0.115037
Ap5z1	0.248908	0.106946	0.115087
Cnot6l	0.05352	0.107483	0.115639
Vps52	0.111777	0.107808	0.115972
C230053D	0.2408	0.107858	0.116017
Hus1	0.131455	0.108407	0.116592
Gm2810	0.37619	0.108665	0.11686
Tmem115	0.115648	0.108845	0.117045
Gm43692	0.460625	0.109497	0.117738
Ndufb10	0.049504	0.109873	0.118119
Cpsf3	0.116055	0.110304	0.118564
Gm49164	0.484	0.110914	0.119203
Gm43294	0.49885	0.111192	0.119492
Dll1	0.305416	0.111557	0.119876
Gm44187	0.542633	0.111823	0.120153
Tecpr1	0.072344	0.111832	0.120154

Polr2l	0.10957	0.113163	0.121575
Ccdc30	0.450062	0.114172	0.122624
Gm36608	0.434642	0.115427	0.123954
Zfp449	0.213144	0.116849	0.125455
Gm28557	0.341672	0.116982	0.12558
Zfp973	0.381373	0.117446	0.126068
Lmbr1	0.126509	0.118354	0.127034
Tmem97	0.165417	0.118432	0.127108
Rilpl2	0.140711	0.11882	0.127516
Gk	0.147673	0.119109	0.127807
Trmt1	0.120288	0.120021	0.128768
A430019L	0.182911	0.121874	0.130718
Ahsa2	0.099458	0.123194	0.132106
Steep1	0.086688	0.123233	0.132138
Rcl1	0.168949	0.123381	0.132288
Vsig10l	0.388289	0.124094	0.133033
Pitpnb	0.069388	0.124815	0.133796
Gm43581	0.122165	0.12543	0.134417
Cfap300	0.488474	0.12598	0.134987
58304620	0.465051	0.127111	0.136189
Ndufc1	0.046013	0.127258	0.136334
Gm48529	0.395888	0.127265	0.136334
Gins3	0.305367	0.128811	0.137951
Gm13375	0.402204	0.12937	0.13854
Lzts3	0.271997	0.130324	0.139552
Tmem39b	0.156472	0.130353	0.139573
Gm42918	0.467037	0.130559	0.139779
Aldh3a2	0.100187	0.130564	0.139779
Niban3	0.445517	0.133021	0.142358
Stard3	0.12537	0.133211	0.142552
Ltb	0.71719	0.136403	0.145925
Polr1h	0.067745	0.136418	0.145931
Rpusd4	0.175554	0.137128	0.14668
Tango2	0.137334	0.13723	0.146779
Gm47246	0.398646	0.137445	0.146987
Snapc1	0.080274	0.138139	0.14772
Mon1a	0.162442	0.139432	0.149069
Dubr	0.107817	0.139635	0.149276
Gm38190	0.208387	0.141006	0.15071
Abt1	0.110402	0.141583	0.151316
Psmg1	0.117957	0.145457	0.155434
Tiprl	0.072943	0.146025	0.156007
Ndufs6	0.046232	0.146056	0.156029
Ip6k3	0.357161	0.148185	0.158292
Naa60	0.097378	0.148195	0.158292
Ppif	0.203342	0.148464	0.158568
Dnajc4	0.098711	0.149215	0.159335

Sphkap	0.134147	0.150724	0.160889
Acox3	0.120239	0.151487	0.161693
Gm47797	0.340004	0.151922	0.162146
Srf	0.162344	0.15244	0.162675
4930577N	0.465341	0.153726	0.164024
9230112E	0.367641	0.154148	0.16445
Anapc7	0.092885	0.155318	0.165688
Mrpl24	0.0697	0.155821	0.166212
Xpa	0.093163	0.156161	0.166557
Pwp2	0.192834	0.156167	0.166557
Gm44130	0.457365	0.156379	0.166772
Gm48585	0.157387	0.156527	0.166918
Pygo2	0.114755	0.156697	0.167086
Riox1	0.165798	0.157243	0.167657
Brd7	0.070261	0.157343	0.167752
Gm47260	0.327944	0.157719	0.16814
Chd4	0.042366	0.158585	0.16904
Snx21	0.087166	0.158936	0.16939
Eif3g	0.055527	0.160959	0.171522
Lonp2	0.073899	0.161492	0.172053
Nfkbil1	0.113729	0.162912	0.173541
Zfp53	0.175956	0.164021	0.174685
4933440N	0.293536	0.165123	0.175846
Gnb1l	0.29014	0.165267	0.175987
Tbc1d5	0.108076	0.165682	0.176406
Alg8	0.331994	0.169362	0.180233
Gm26709	0.418863	0.169906	0.180773
Mybbp1a	0.077203	0.170703	0.181582
Prkce	0.08258	0.171069	0.181959
Fbxo38	0.100228	0.172147	0.183053
Gm14305	0.160126	0.172932	0.183875
9130604C	0.296278	0.176558	0.18769
Aip	0.064586	0.177582	0.188738
Ubp2	0.070398	0.179631	0.190875
Pef1	0.099954	0.179732	0.19097
Gm38111	0.24754	0.179773	0.190999
Atg14	0.101444	0.180493	0.191737
Timm50	0.093699	0.184135	0.195564
Fam8a1	0.075289	0.185587	0.19705
Gm12328	0.303117	0.18594	0.197411
Casp9	0.134523	0.186457	0.197946
Olfm2	0.127657	0.187644	0.199192
Tfb2m	0.10366	0.190883	0.202587
Supt3	0.142184	0.193159	0.204945
Gm43024	0.36059	0.193863	0.205648
Gtf2h5	0.049196	0.194292	0.206089
Tmem39a	0.128395	0.194911	0.206731

Smarcd1	0.069846	0.195001	0.206811
Cript	0.055017	0.19542	0.207241
Dock8	0.251953	0.195541	0.207354
Nudt6	0.198701	0.195809	0.207609
Lgr5	0.327565	0.196304	0.20809
Mmadhc	0.077034	0.196607	0.208396
Plpbbp	0.07797	0.196948	0.208743
Polr1e	0.216998	0.19939	0.211271
Ndrg1	0.038174	0.201071	0.213023
Tatdn2	0.107457	0.20253	0.214553
Vps25	0.379854	0.203409	0.215454
Pnrc2	0.057704	0.203689	0.215735
2500002B	0.155695	0.204144	0.216202
Ranbp1	0.046774	0.205462	0.217551
Gm48872	0.43573	0.207003	0.219152
1110004F	0.044878	0.210839	0.223166
Gm4468	0.21919	0.211177	0.223508
Natd1	0.142168	0.212134	0.224505
Arpc5l	0.053408	0.212539	0.224901
Gm44560	0.365215	0.212689	0.225045
Cbx2	0.255663	0.212936	0.22529
F420014N	0.37412	0.213271	0.225597
Asic3	0.237427	0.213491	0.225814
Kctd21	0.252358	0.213748	0.226069
Slc2a12	0.260848	0.215842	0.228252
Abhd12	0.077765	0.215862	0.228256
Gm44552	0.42512	0.217201	0.229656
Rnps1-ps	0.120868	0.218268	0.230752
Gm44292	0.244549	0.220654	0.233241
Dcun1d4	0.118177	0.220884	0.233468
Cdkn2aipn	0.087206	0.22156	0.234166
Gm38257	0.231427	0.222858	0.235505
Ciao2a	0.067143	0.224691	0.237425
Aimp1	0.046879	0.225223	0.23797
Nemp1	0.128794	0.228263	0.241148
Gm47816	0.190452	0.228654	0.241528
Setx	0.058888	0.229011	0.241871
A130048G	0.327865	0.229325	0.242184
Med9	0.074703	0.231575	0.244527
Herc2	0.050497	0.234037	0.247074
Gm44673	0.343427	0.234385	0.247423
Marveld2	0.16903	0.234691	0.247712
Nelfcd	0.085525	0.235305	0.248325
Golga3	0.074486	0.235391	0.248398
Rft1	0.131174	0.235518	0.248514
Ndufa1	0.03911	0.235705	0.248695
Zfp455	0.301146	0.236799	0.249796

Gm13778	0.420969	0.236974	0.249945
Gm42717	0.345986	0.237471	0.250448
Fam221b	0.382651	0.237484	0.250448
Ubb	0.024354	0.238112	0.251092
Lsm8	0.056822	0.238384	0.251362
Gm38067	0.322298	0.238404	0.251365
Atp6v1e1	0.042588	0.238727	0.251688
Ddx10	0.08603	0.240504	0.253526
Cask	0.07913	0.241066	0.2541
Alkbh2	0.122858	0.241089	0.254106
Ajm1	0.284982	0.241268	0.254278
Gm43460	0.277765	0.242405	0.255422
Zfand2b	0.082262	0.242465	0.255467
9030407P	0.296437	0.244741	0.257829
Gm43466	0.264327	0.245381	0.258466
Polr3c	0.108403	0.246663	0.25978
D17H6S53	0.130025	0.246979	0.260095
Trim59	0.294095	0.247445	0.260567
Hapln3	0.190882	0.250435	0.263605
Gm45286	0.355466	0.254842	0.268149
Tspxl2	0.099023	0.25507	0.26837
Gm44695	0.338681	0.255314	0.268609
Gm14326	0.191869	0.25811	0.271493
Sec63	0.041753	0.260152	0.273602
Teddm2	0.237546	0.261959	0.275464
4933412E	0.28619	0.262614	0.276133
Gm37084	0.21677	0.263972	0.277542
Bspry	0.426105	0.264646	0.278231
Slc39a7	0.289358	0.269025	0.282774
Mrtfa	0.130815	0.272971	0.286842
Rdh10	0.080573	0.273802	0.287694
Sumo3	0.041868	0.274955	0.288866
Msra	0.104623	0.276445	0.29039
Arhgap11a	0.352322	0.276556	0.290487
Zfhx4	0.13082	0.278016	0.29198
Gm17203	0.332065	0.279548	0.293547
Zbtb8os	0.086434	0.279677	0.293662
Gdap2	0.094977	0.282242	0.296314
Plekha4	0.259358	0.286087	0.300309
Gm43290	0.261041	0.286811	0.301047
Rrm1	0.081565	0.286976	0.301199
Gmeb2	0.093426	0.288699	0.302965
Zfp746	0.081803	0.290344	0.30467
Gm45537	0.14645	0.291406	0.305763
Gm38057	0.248478	0.291597	0.305942
Gm37893	0.167156	0.29439	0.308851
Rnf31	0.09088	0.294468	0.308911

Gm44116	0.316985	0.29529	0.309752
Med30	0.057358	0.296059	0.310515
Mnt	0.086042	0.297428	0.311929
Hfe	0.075301	0.298396	0.3129
Vps33a	0.089346	0.301114	0.315684
Gm7324	0.332405	0.302271	0.316874
Stimate	0.095901	0.303011	0.317584
Acp1	0.042284	0.30351	0.318084
Apex1	0.111471	0.303755	0.318319
Hectd2os	0.256135	0.304535	0.319113
Ccl9	0.252524	0.30544	0.320017
Map6	0.122185	0.307396	0.322022
A430110C	0.222909	0.307591	0.322203
Sephs1	0.082481	0.307695	0.322289
Gm32856	0.251679	0.308077	0.322667
Pop1	0.127375	0.310774	0.325469
Lrrc14	0.097413	0.31169	0.326406
Kcnj13	0.207696	0.311844	0.326544
Gpr22	0.283108	0.313215	0.327911
Ube2g2	0.06974	0.315707	0.330474
Dcdc2b	0.2384	0.317448	0.33225
Gm7908	0.279784	0.317757	0.332515
Mtfr1l	0.049205	0.317769	0.332515
Snx11	0.079812	0.31843	0.333184
Fam53a	0.070335	0.320604	0.335435
Pot1b	0.094505	0.320982	0.335807
2600002D	0.374392	0.321236	0.33605
Fam172a	0.060894	0.321589	0.336375
Fancc	0.123273	0.321794	0.336563
Dscam	0.197046	0.325134	0.339961
Gm53055	0.150897	0.326202	0.341055
Txndc15	0.043516	0.326402	0.34124
Tacc3	0.214185	0.327874	0.34273
Gm16201	0.23576	0.331097	0.346027
Fam220a	0.272687	0.331133	0.34604
Gm10602	0.190481	0.334467	0.3495
Gm9905	0.294081	0.337075	0.352128
Appl2	0.0657	0.337925	0.35299
Yes1	0.047406	0.338055	0.353102
Gm13092	0.250863	0.33819	0.353218
Tex14	0.259639	0.33859	0.353611
Gm44432	0.129829	0.338822	0.353829
Gm37553	0.346194	0.33921	0.354185
Gm10062	0.19516	0.339712	0.354684
Selenok-ps	0.254239	0.339896	0.354851
Ppp3ca	0.028469	0.340165	0.355107
Fbxl21	0.297919	0.34089	0.355814

Antxr2	0.154366	0.34224	0.357199
Numb	0.057467	0.34547	0.360545
Fkrp	0.06832	0.346438	0.36153
Zfp879	0.205065	0.347546	0.362661
Gm43034	0.261684	0.347729	0.362827
Pskh1	0.090575	0.34832	0.363418
Uevld	0.132589	0.348581	0.363665
Gid4	0.053977	0.349775	0.364885
Nploc4	0.071592	0.352827	0.368007
4930515G	0.312415	0.352841	0.368007
1810021B	0.229747	0.354024	0.369189
Pcdhga8	0.219833	0.354055	0.369196
Aco1	0.074839	0.355693	0.370852
Atmin	0.07764	0.358315	0.373534
Nadsyn1	0.172849	0.358957	0.374177
Syce2	0.107732	0.361582	0.376834
Otud5	0.056978	0.361827	0.377063
Tpp1	0.038366	0.364208	0.379492
Wdr26	0.035014	0.364542	0.379814
Calr3	0.174864	0.366976	0.382323
Etohd2	0.172769	0.368654	0.384045
Zc3h12c	0.084433	0.370961	0.386341
Gm4742	0.141861	0.371364	0.386733
Celf3	0.099195	0.371755	0.387113
Prmt3	0.102773	0.374763	0.390191
Plch1	0.085201	0.376268	0.391731
Csnk1d	0.04673	0.37802	0.393501
Carmil2	0.283759	0.378619	0.394096
Mon1b	0.102488	0.381708	0.397229
Nabp1	0.136048	0.383401	0.398963
Surf1	0.04904	0.384684	0.40027
C130013H	0.219022	0.386043	0.401657
2310010J1	0.064805	0.386523	0.4021
E430018J2	0.157855	0.388152	0.403752
Arhgef18	0.069826	0.388165	0.403752
Gm33370	0.210629	0.388637	0.404214
Tvp23a	0.154517	0.391442	0.407076
Zfp518b	0.099559	0.394808	0.410491
Zdhhc3	0.047662	0.39524	0.410883
Epha7	0.101609	0.395299	0.410916
Kpna4	0.037342	0.396488	0.412123
Grwd1	0.114879	0.39838	0.414061
H2ac18	0.132805	0.400136	0.415799
Gm16192	0.290322	0.401174	0.416849
Psmc4	0.036976	0.404681	0.420464
Morn5	0.278831	0.40686	0.42264
Noxo1	0.170849	0.406983	0.422738

Gm43652	0.258563	0.40834	0.424119
Rars	0.055016	0.408844	0.424583
Tmcc2	0.056813	0.411219	0.42699
Wdr83	0.065496	0.412301	0.428084
Gm43420	0.225816	0.415023	0.43088
Phf11c	0.230945	0.415218	0.431053
Vps26c	0.080247	0.415314	0.431123
D730045B	0.199312	0.416035	0.431811
Cfdp1	0.03184	0.418448	0.434286
Dpp3	0.067867	0.420921	0.436731
Csrnp3	0.114056	0.42241	0.438185
Gm35339	0.219512	0.423322	0.43907
Fabp5	0.085277	0.424184	0.439934
Mrpl23-ps	0.126596	0.424397	0.440124
Mzt1	0.046366	0.42605	0.441777
Zfp429	0.134408	0.426285	0.44199
Pcca	0.056029	0.42686	0.442525
Gm10250	0.244665	0.428546	0.444211
Lym2	0.054816	0.432397	0.44811
Rpp40	0.168655	0.432931	0.448632
Nr2c2ap	0.073667	0.435446	0.451207
Sgsm3	0.087281	0.435674	0.451412
Sart1	0.044971	0.435856	0.45157
Ubl7	0.052246	0.436026	0.451715
Smad4	0.0304	0.436908	0.452566
Gm12166	0.06687	0.440068	0.455744
Ddt	0.0319	0.440136	0.455783
Slc25a53	0.110867	0.442084	0.457738
Chd5	0.087418	0.445399	0.461074
Gm48838	0.11385	0.445743	0.461398
Zfp583	0.170169	0.445806	0.461432
Klhdc8a	0.103741	0.446932	0.462565
Gm26826	0.251458	0.447056	0.462661
Gde1	0.031747	0.447391	0.462976
Klf12	0.040525	0.448637	0.464234
Plek	0.122574	0.449953	0.465563
Gm38235	0.135114	0.456851	0.472603
6720489N	0.231579	0.458457	0.474231
Mcoln1	0.071919	0.463037	0.478803
Kat14	0.064018	0.463459	0.479206
Ergic2	0.033221	0.465694	0.481417
Gm49768	0.223793	0.465905	0.481603
Ankrd40	0.028959	0.467879	0.483577
Ndufaf8	0.033423	0.468213	0.483888
Socs5	0.039676	0.468621	0.484276
Fbxl4	0.074725	0.474734	0.490525
Gpalpp1	0.043895	0.474807	0.490567

Gm14419	0.166947	0.478037	0.493768
Gm45698	0.18255	0.482116	0.497879
Cyren	0.062355	0.482774	0.498523
Lrp6	0.026289	0.485725	0.501536
Serhl	0.051536	0.490499	0.506326
Hdhd3	0.131626	0.491197	0.507011
Acadsb	0.038419	0.494764	0.510588
Slc25a4	0.016251	0.503863	0.519798
Erh	0.033732	0.507273	0.523281
Etf1	0.032946	0.509796	0.525811
Mrps16	0.030827	0.51349	0.529511
Tcea1-ps1	0.165107	0.51545	0.531423
Tmco6	0.080356	0.518762	0.534726
Nt5dc3	0.079052	0.520296	0.536234
Sebox	0.071584	0.522891	0.538872
Shd	0.140752	0.523425	0.539385
Ddx49	0.057859	0.524026	0.539967
Hbb-bs	0.047061	0.526153	0.542009
Prpf38a	0.035275	0.528599	0.544491
Nmnat1	0.080355	0.530719	0.546525
Nutf2	0.182809	0.532805	0.548597
Phpt1	0.035579	0.533407	0.54918
Acad10	0.113852	0.533565	0.549305
Gm38169	0.22178	0.536235	0.551901
Crk	0.022551	0.538144	0.553791
Rbm8a	0.02069	0.538145	0.553791
Ndufb2	0.021199	0.539799	0.555455
B230312C	0.20946	0.540492	0.55613
Moxd1	0.204785	0.541064	0.55668
Rsl24d1	0.038625	0.543581	0.559231
Ift27	0.03889	0.545145	0.560763
Klhl17	0.144435	0.545407	0.560994
Gm8451	0.18836	0.545847	0.561408
Tubgcp2	0.048755	0.546837	0.562311
Bag6	0.029053	0.547564	0.563019
Pum3	0.047713	0.550978	0.566375
Col11a2	0.166515	0.551155	0.566518
Tmem161	0.042312	0.551479	0.566811
Vps37d	0.104146	0.55207	0.56738
Egln1	0.022347	0.552757	0.568047
Iba57	0.145651	0.552923	0.568179
Ppp4r4	0.180871	0.553455	0.568686
Gpatch3	0.125582	0.554308	0.569504
Ostc	0.024523	0.554327	0.569504
Mtfmt	0.072432	0.556432	0.571549
Zbtb41	0.038093	0.558317	0.573446
D130040H	0.103118	0.561117	0.576203

Mex3d	0.051985	0.562325	0.577405
Mib1	0.023232	0.562596	0.577603
Tdrd3	0.047263	0.5642	0.579131
Gm44950	0.068974	0.564582	0.579483
Cds2	0.022449	0.565334	0.580135
Nop14	0.035567	0.56616	0.580944
Bloc1s5	0.048373	0.568376	0.583177
Efnb3	0.12286	0.569237	0.584021
Itga4	0.045763	0.57324	0.587966
Slc25a20	0.045562	0.573404	0.588095
Slu7	0.026189	0.576743	0.591479
Zfx	0.030606	0.579379	0.59406
Copa	0.02132	0.580232	0.594812
Commd7	0.030183	0.580426	0.59497
Snrpd2	0.019444	0.582035	0.596497
Abca2	0.046991	0.582108	0.596532
Pcdhb20	0.073348	0.582776	0.597134
Tom1	0.058129	0.591192	0.605633
Srp68	0.032173	0.592729	0.607166
Gm37115	0.151447	0.598249	0.612694
Spindoc	0.055394	0.598422	0.61283
Ndufa11	0.016693	0.598745	0.613119
Axin1	0.042963	0.59964	0.613993
Adamts13	0.168901	0.599913	0.614231
Gm4459	0.151835	0.602303	0.616636
Fam220a	0.064566	0.603298	0.617612
Lactbl1	0.163028	0.604304	0.6186
Fstl3	0.066713	0.60464	0.618901
Anapc4	0.031615	0.606547	0.620811
Aoc2	0.131963	0.611377	0.625669
Rbm38	0.105846	0.61243	0.626704
Cnep1r1	0.026876	0.61251	0.626743
Syt3	0.153789	0.612723	0.626918
Csnk1a1	0.013555	0.613685	0.627859
Man2c1os	0.160109	0.614014	0.628153
Zfp874a	0.064635	0.614513	0.628621
Vcp-rs	0.133276	0.614729	0.628799
Slk	0.018921	0.614831	0.62886
5830416l1	0.097942	0.617595	0.631601
Gm6563	0.069003	0.618947	0.63294
Zfp595	0.063028	0.61928	0.633238
Nme3	0.116791	0.62023	0.634165
Zfp521	0.041525	0.621316	0.635189
Galnt11	0.03282	0.623535	0.637371
Tmem258	0.019628	0.62673	0.640506
Gm19531	0.153416	0.62928	0.64298
Tceanc2	0.065692	0.633651	0.647401

Slc25a17	0.033281	0.635269	0.648966
Asap1	0.021086	0.636279	0.64991
Enoph1	0.034893	0.636823	0.65042
Rgmb	0.03653	0.637108	0.650667
Cenpt	0.059521	0.64228	0.655771
Zfp970	0.116402	0.644627	0.658032
Otulin	0.031893	0.646647	0.660049
Rbm19	0.05376	0.649671	0.663
Myo9b	0.037292	0.65104	0.664262
Tgfbr1	0.032744	0.65175	0.664941
Slc39a9	0.034435	0.652206	0.665315
Sfxn3	0.026753	0.653913	0.667011
Vps11	0.030344	0.654256	0.667315
Eif2s2	0.013537	0.656588	0.669648
Nmnat3	0.077325	0.658088	0.671087
Al506816	0.092357	0.662281	0.675225
St6galnac2	0.129615	0.664904	0.67776
Cxxc1	0.026283	0.666471	0.679172
Atg2a	0.038423	0.668749	0.681447
Rtca	0.029949	0.67186	0.684525
Atxn7l2	0.077148	0.672511	0.685141
Fdps	0.028564	0.674799	0.687425
Ago1	0.026484	0.675184	0.687724
Aen	0.040135	0.678581	0.691043
Gm3604	0.141191	0.680047	0.692444
Gm10120	0.087402	0.683803	0.696124
Fadd	0.052541	0.685781	0.698043
4930539JC	0.0774	0.68981	0.702001
Dgat2	0.136512	0.691732	0.703861
Ttyh1	0.018918	0.693426	0.705441
Gm37423	0.053297	0.695318	0.707317
Gm43585	0.122122	0.695453	0.707406
Znhit1	0.02111	0.696069	0.707937
1700102H	0.101208	0.699396	0.711224
Txndc5	0.02944	0.701433	0.713247
Gm47000	0.134823	0.701983	0.71371
Ndufs5-ps	0.023494	0.704172	0.715886
Neil1	0.070905	0.704698	0.716373
Snrpert	0.103126	0.704985	0.716616
Alg3	0.045379	0.707959	0.719591
Gm20522	0.107266	0.711197	0.722685
Ppfia1	0.019044	0.712219	0.723675
Maf1	0.016982	0.712448	0.723812
Gm43960	0.066516	0.712451	0.723812
Btbd7	0.011858	0.713344	0.724578
Slc35a3	0.025836	0.717686	0.728932
Gm46436	0.111268	0.717967	0.729168

Tha1	0.100003	0.7188	0.729965
Ttc27	0.051505	0.719676	0.730755
Gm37558	0.046648	0.720609	0.731653
Slc25a36	0.021345	0.720784	0.731781
Tigd5	0.060559	0.72504	0.735903
Snrpa	0.020063	0.736723	0.747508
Snx19	0.023561	0.74116	0.751907
Map2k1	0.021072	0.742535	0.753243
Asic4	0.054898	0.74402	0.754604
Ppp4c	0.017505	0.744154	0.754689
Map2k4	0.020467	0.749592	0.760101
Gm43609	0.059053	0.753463	0.763975
MLxip	0.064519	0.753613	0.764075
Kcnh7	0.077907	0.755217	0.765597
Gm8797	0.044081	0.755332	0.765662
9430064I2	0.095368	0.757058	0.76736
Gm43329	0.049123	0.758371	0.768639
Btbd19	0.05548	0.758431	0.768647
Wnk3	0.053814	0.764531	0.774777
Ncaph2	0.019282	0.767785	0.777949
Mapk1	0.01202	0.767817	0.777949
Mcm2	0.04142	0.767968	0.77805
Gm48870	0.05561	0.768159	0.77819
Jpt2	0.051632	0.769194	0.779186
C330011N	0.090444	0.769515	0.779458
Rps4l	0.014715	0.774231	0.784024
Fam102a	0.01986	0.775696	0.785454
Syt9	0.041714	0.778948	0.78848
Gm37470	0.044984	0.785169	0.79467
Deaf1	0.023751	0.787473	0.79684
Gm10941	0.056331	0.787547	0.796861
Prpsap1	0.013832	0.790058	0.799348
Gm49971	0.042701	0.79201	0.801214
Tbc1d22b	0.028078	0.793762	0.802932
S100a9	0.03427	0.797805	0.806968
Hyal3	0.075623	0.798084	0.807196
Gm20186	0.036646	0.802595	0.811703
Gm13689	0.057365	0.804811	0.813834
6720475N	0.07546	0.807688	0.816688
Gm45033	0.064284	0.808766	0.817724
Edem2	0.019443	0.809891	0.818695
Ippk	0.023193	0.810009	0.818759
Ddx27	0.015012	0.813097	0.821825
Gm14322	0.074483	0.814504	0.823192
Zfp526	0.05187	0.816963	0.82562
Emc2	0.010095	0.820646	0.829287
Ppcs	0.023399	0.833374	0.841807

Derl2	0.012244	0.834563	0.842952
Entr1	0.013149	0.834819	0.843154
Arf2	0.01173	0.834887	0.843166
Usp40	0.015393	0.835671	0.8439
Gm43778	0.076233	0.837906	0.846043
Cyth1	0.012706	0.838867	0.846956
Hyou1	0.016837	0.839767	0.847808
Gm49972	0.026519	0.843833	0.85174
Slc25a26	0.032961	0.844691	0.85255
Hccs	0.014901	0.84669	0.854509
Lonp1	0.013766	0.847007	0.854772
Bcl7b	0.009535	0.8478	0.855514
Gm30541	0.049486	0.84815	0.855809
Ube2b	0.005992	0.852265	0.859788
Pemt	0.060114	0.853891	0.86137
Gm4045	0.040895	0.855749	0.863187
Gnptab	0.016803	0.856608	0.863995
1700034H	0.047333	0.859539	0.866834
Asb3	0.016321	0.860185	0.867427
Ubqln1	0.008778	0.861317	0.868452
Rxylt1	0.009656	0.86422	0.871261
Romo1	0.005336	0.86576	0.872637
Mob3c	0.02031	0.866022	0.872843
Gm5436	0.056578	0.866261	0.873025
Pold2	0.016399	0.87338	0.879844
1700123M	0.034272	0.873631	0.880038
Slc35b2	0.012207	0.880749	0.88679
Nfkbib	0.012628	0.882859	0.888855
Lcmt1	0.009255	0.887948	0.893798
Primpol	0.022521	0.888611	0.894345
Gm37137	0.028805	0.888932	0.894608
Gm9403	0.042899	0.890256	0.895821
Zmat5	0.007737	0.894645	0.899935
Elp5	0.008254	0.901625	0.906651
Gm47324	0.036494	0.903914	0.90883
Arhgap28	0.015632	0.907301	0.912175
Prkag2	0.012671	0.907642	0.912396
Psen1	0.008855	0.91035	0.915056
Utp11	0.005153	0.912579	0.917174
Cnih2	0.023659	0.913129	0.917665
Thap7	0.008275	0.913546	0.917961
Zfp189	0.014952	0.916427	0.92067
Zfp934	0.014928	0.917849	0.921975
Vps54	0.00583	0.919111	0.923181
Slc30a4	0.0075	0.921908	0.925866
Abhd11	0.009181	0.923085	0.926985
S100a8	0.014806	0.924581	0.928301

Nol6	0.00957	0.926418	0.93002
Mrpl3	0.006229	0.929016	0.932504
Gpr21	0.020696	0.930931	0.934238
Haghl	0.005922	0.934349	0.937543
Vash1	0.014563	0.935792	0.938928
Atp9a	0.00561	0.94075	0.943776
Wdr24	0.009497	0.944165	0.947075
Ndufs4	0.002651	0.945942	0.94873
Fbxo3	0.002858	0.950771	0.953486
Slc35e1	0.004947	0.953083	0.9557
Susd4	0.008298	0.956686	0.959185
Svet1	0.017208	0.957211	0.959646
9430034N	0.007685	0.957648	0.960021
Kcnc1	0.008144	0.958	0.960309
Gm37674	0.01126	0.964166	0.966296
Mitf	0.006761	0.967848	0.969726
Crtc2	0.002964	0.968859	0.970674
Rinl	0.008638	0.969783	0.971525
Naxd	0.001425	0.976903	0.978341
Gm32151	0.006514	0.97963	0.98094
Dnajc15	0.001465	0.981747	0.982863
Glrx5	0.001004	0.982786	0.983772
Taf10	0.000865	0.983012	0.983932
Gm45221	0.001949	0.984506	0.985361
Hspb11	0.001076	0.986453	0.987244
Ube2d1	0.001017	0.987342	0.988002
Tep1	0.001155	0.99244	0.992971
Gm13785	0.001696	0.995664	0.996063
Gm44044	0.00065	0.996136	0.996402
Oxsr1	8.11E-05	0.998961	0.999095
Gm38170	0.000256	0.999154	0.999221
Prr12	2.26E-05	0.999713	0.999713
Pkd1	-9.68E-05	0.998296	0.998496
Rad18	-0.00078	0.996055	0.996388
Wdr46	-0.00073	0.995031	0.995496
Gpr84	-0.00415	0.989379	0.989975
Gm37521	-0.0057	0.986875	0.987601
Wdr4	-0.00319	0.982059	0.983109
Trip10	-0.00141	0.981198	0.982379
BC037039	-0.00689	0.980176	0.981421
Kif13b	-0.0017	0.977791	0.979165
Rnd1	-0.00347	0.976537	0.978039
Fasn	-0.00301	0.974095	0.975659
Rpain	-0.00263	0.97162	0.973245
Gm20075	-0.00789	0.969838	0.971525
Tfam	-0.00272	0.966152	0.968092
Tor1aip2	-0.00239	0.966127	0.968092

C430039JC	-0.00837	0.965553	0.967621
Atxn3	-0.00325	0.963839	0.966033
Gm2296	-0.01428	0.959936	0.962185
Izumo4	-0.005	0.953744	0.956298
Taco1os	-0.01215	0.950811	0.953486
Kcnab1	-0.01155	0.945658	0.948509
Bicd2	-0.00358	0.941666	0.944632
Cpt2	-0.00665	0.938452	0.941533
Ggnbp1	-0.01767	0.933774	0.937028
Nfkbid	-0.02447	0.929509	0.932874
Gm37718	-0.0181	0.929113	0.932539
Spg11	-0.01282	0.927201	0.930745
Wbp11	-0.00386	0.925634	0.929296
Chp1	-0.00496	0.924356	0.928137
Pink1	-0.00352	0.923882	0.927723
Otub1	-0.00501	0.920833	0.924848
Zfp652	-0.00417	0.917568	0.921754
Tnfsf13b	-0.03541	0.914507	0.918803
Bckdk	-0.00774	0.914384	0.918741
Spata2l	-0.02611	0.913488	0.917961
Retnlg	-0.03273	0.912497	0.917152
Gm45769	-0.03279	0.907617	0.912396
Tbcd	-0.01279	0.902573	0.907543
Lrrc45	-0.01308	0.900808	0.90589
U2af1l4	-0.03273	0.899001	0.904134
Fbxo42	-0.01083	0.896964	0.902146
Cbr1	-0.00739	0.89631	0.901549
Ppp4r1	-0.00985	0.89333	0.898673
Gm19605	-0.03766	0.89321	0.898612
Wdr25	-0.02996	0.891182	0.896632
Ergic1	-0.01017	0.891034	0.896543
Ncoa7	-0.00806	0.889347	0.894966
Gm44708	-0.04478	0.888599	0.894345
Scd1	-0.04676	0.887918	0.893798
3110040N	-0.01806	0.885122	0.891073
Nap1l4	-0.00593	0.880715	0.88679
Cad	-0.01867	0.877677	0.883816
Ndufs7	-0.00521	0.876214	0.882403
Dcaf5	-0.01091	0.874232	0.880465
Cbl	-0.00698	0.874072	0.880364
Zfp87	-0.01493	0.873983	0.880333
Psmc1	-0.00653	0.872061	0.878574
Mboat7	-0.01386	0.868884	0.875433
Sphk2	-0.01808	0.868679	0.875285
Ssc5d	-0.05469	0.868509	0.875173
Ing1	-0.00725	0.866797	0.873506
Nsd1	-0.0059	0.864536	0.871462

Gtf3c6	-0.01059	0.864337	0.871321
Kctd1	-0.01349	0.861525	0.868603
Chtf18	-0.03908	0.860904	0.868094
Cox7c-ps1	-0.03678	0.858173	0.865515
Fbxw7	-0.00998	0.851683	0.859258
Fam78a	-0.044	0.849731	0.857347
Hsd17b7	-0.02447	0.843506	0.851468
Gsto2	-0.05524	0.843293	0.85131
Cep128	-0.03652	0.836023	0.844198
Gm38104	-0.03907	0.829998	0.838454
Slc15a4	-0.02133	0.82704	0.835523
Fam160b2	-0.01953	0.825512	0.834035
Gm44045	-0.04529	0.821522	0.83006
Mcfd2	-0.01194	0.821296	0.829888
Pip4p2	-0.02104	0.809665	0.818522
Dnajb1	-0.01184	0.809258	0.818165
Cyb561d2	-0.02857	0.803815	0.812882
Smarcc1	-0.0148	0.790872	0.800118
Yy1	-0.01029	0.785891	0.795293
Txn2	-0.01096	0.785403	0.794853
Csde1	-0.00723	0.78295	0.792478
Cth	-0.05079	0.778043	0.787617
Sec31a	-0.01326	0.778019	0.787617
D73000311	-0.02253	0.777204	0.786875
Bola3	-0.01319	0.776177	0.785888
Taf1b	-0.02493	0.773818	0.783658
Rtraf	-0.01065	0.772812	0.782692
Plac8	-0.13476	0.771653	0.781571
Nudt17	-0.05873	0.766387	0.776606
Nepro	-0.05353	0.754372	0.764793
Spryd3	-0.02396	0.744566	0.755056
Pheta1	-0.04325	0.743542	0.754171
Trim13	-0.04724	0.742577	0.753243
Ints11	-0.02698	0.738409	0.749167
Hbb-bt	-0.05776	0.733039	0.74382
2700029LC	-0.11421	0.730483	0.741276
Gm4366	-0.08451	0.72831	0.739122
Slc24a4	-0.06056	0.728077	0.738935
Dcp1b	-0.03501	0.723513	0.734403
Nf2	-0.02201	0.722148	0.733067
Gm49774	-0.10215	0.721287	0.732242
Mgme1	-0.03798	0.71948	0.730606
Bcar3	-0.02768	0.71335	0.724578
Rad51ap1	-0.07688	0.713088	0.72441
Hdhd2	-0.05813	0.711027	0.722562
B230206LC	-0.05854	0.710649	0.722227
Bud31	-0.01914	0.710172	0.72179

Kpnb1	-0.01794	0.70149	0.713257
Copb1	-0.01671	0.699174	0.711047
Commmd5	-0.11665	0.695518	0.707425
Npm3	-0.02996	0.693106	0.705163
Cyp4v3	-0.04609	0.692937	0.705039
Gm47092	-0.12731	0.691404	0.703575
Stn1	-0.05104	0.687247	0.69944
4930578M	-0.04912	0.686188	0.698409
Abhd17c	-0.03867	0.68392	0.696195
Zfp747	-0.06161	0.682896	0.695248
Eif2a	-0.02399	0.682843	0.695241
Hes6	-0.03726	0.680049	0.692444
Trpc4ap	-0.02062	0.678297	0.6908
Slc17a5	-0.03806	0.675932	0.688439
Tmem147	-0.10017	0.674855	0.687435
Usp5	-0.03199	0.669016	0.681673
Zfp212	-0.03522	0.665613	0.678345
Cops7a	-0.02282	0.665368	0.67814
Ammecr1l	-0.034	0.664987	0.677799
Xpot	-0.02876	0.663704	0.676583
Pnpla7	-0.07839	0.663373	0.676292
Gm16386	-0.12313	0.661681	0.674659
Tm6sf2	-0.08617	0.660582	0.673584
1700041G	-0.10793	0.656766	0.669784
Armc7	-0.07873	0.652165	0.665315
Zbtb2	-0.04258	0.651021	0.664262
Smurf2	-0.0214	0.650823	0.664131
Yipf6	-0.02945	0.648621	0.661974
Spata24	-0.08188	0.646857	0.660219
Mturn	-0.03402	0.644316	0.657759
1110025M	-0.07972	0.642804	0.656261
Txn14a	-0.02899	0.642112	0.655643
Hectd1	-0.01484	0.639748	0.653274
Isy1	-0.03893	0.638876	0.652428
Rap2c	-0.04027	0.635957	0.649625
Rc3h1	-0.0213	0.633816	0.647526
Mapk4	-0.07198	0.628926	0.642662
Ints5	-0.05303	0.627973	0.641732
Gm18829	-0.12931	0.624167	0.63793
Ndufb4	-0.02295	0.623755	0.637552
Scrt1	-0.083	0.623236	0.637108
Rbfox1	-0.15563	0.620515	0.634414
5430420F	-0.1406	0.615688	0.629694
Gpatch4	-0.05801	0.607721	0.62197
Gm21988	-0.10137	0.597521	0.61199
Obi1	-0.05929	0.596605	0.611095
Tmem144	-0.14118	0.590131	0.604587

Higd1a	-0.01952	0.589388	0.603868
4931440P:	-0.08298	0.582329	0.596717
Zfp503	-0.04979	0.580745	0.595215
9130019O	-0.11167	0.580595	0.595102
Pofut2	-0.03425	0.57992	0.594533
Pcdhb18	-0.10457	0.579678	0.594326
Mbtps2	-0.04676	0.578732	0.593437
Prim2	-0.0805	0.578718	0.593437
Phf7	-0.06658	0.57323	0.587966
Gm37238	-0.05365	0.573158	0.587963
Ift172	-0.0465	0.569641	0.584395
4933407K:	-0.07998	0.565053	0.579887
Cactin	-0.0483	0.564846	0.579714
Zfp335	-0.06467	0.563855	0.578816
Gm43811	-0.18783	0.562844	0.577818
Lztr1	-0.04908	0.562426	0.577469
Ptrhd1	-0.04655	0.560316	0.575421
Prdm2	-0.02673	0.559054	0.574164
Nutf2-ps1	-0.12088	0.55473	0.56984
Pigu	-0.06245	0.554641	0.569787
Pja1	-0.03254	0.549236	0.564622
B130024G	-0.07789	0.548972	0.56439
Gm15937	-0.17704	0.54848	0.563922
1110019D	-0.13078	0.546545	0.562049
Trabd	-0.03996	0.546038	0.561566
Hmgcl	-0.04243	0.544809	0.560456
Cltrn	-0.17091	0.536038	0.551737
Stambp	-0.0442	0.535426	0.551145
Lrfn3	-0.11536	0.534505	0.550234
Tamm41	-0.08923	0.531209	0.546992
Prkci	-0.04902	0.530474	0.54631
Sacs	-0.05661	0.528847	0.544672
Eola1	-0.05274	0.52866	0.544516
Rere	-0.02681	0.525215	0.541081
Mkln1os	-0.16512	0.52467	0.540555
2310009B:	-0.04157	0.524526	0.540445
Nup93	-0.06731	0.52012	0.536089
Ezh1	-0.02942	0.516889	0.532832
Pgd	-0.04554	0.516004	0.531957
Cdin1	-0.14718	0.51411	0.530077
Nhej1	-0.15051	0.513726	0.529718
1810030O	-0.04909	0.512841	0.528878
Zfp968	-0.18178	0.511933	0.527979
A030005L:	-0.24313	0.50939	0.525428
Lmtk3	-0.13911	0.502009	0.517922
Brpf3	-0.07722	0.501442	0.517372
Maml1	-0.05387	0.497822	0.513672

Sigmar1	-0.05924	0.494975	0.51077
Gm48226	-0.04736	0.494102	0.50994
Gm45133	-0.19727	0.492399	0.508217
Pold1	-0.07864	0.489315	0.505138
Utp4	-0.0658	0.488982	0.50483
Mutyh	-0.14769	0.488445	0.50431
Arl10	-0.09251	0.478436	0.494112
Atp13a1	-0.05996	0.478115	0.493815
Gm17597	-0.26328	0.477807	0.493565
Ing5	-0.05094	0.475704	0.491427
Txlna	-0.04444	0.475343	0.491088
Dpysl5	-0.11657	0.472755	0.488514
Mapkapk2	-0.05037	0.466513	0.482197
1700029I1	-0.22425	0.464949	0.480681
Usp42	-0.05551	0.464542	0.480293
Acaa1b	-0.13185	0.462523	0.478305
Rad50	-0.0486	0.462335	0.478143
Washc5	-0.06357	0.46202	0.477851
Arhgap4	-0.25878	0.458614	0.47436
Tmem141	-0.07343	0.456511	0.472284
Cmss1	-0.06868	0.454081	0.469802
Acat2	-0.08859	0.445335	0.46104
Hba-a2	-0.11664	0.443382	0.45905
Prcp	-0.05662	0.44188	0.457558
Tesk1	-0.05537	0.438807	0.45447
Acad12	-0.1235	0.437136	0.452771
Msto1	-0.09289	0.436127	0.451788
Ndufb4c	-0.18201	0.429985	0.445641
Gm20632	-0.19113	0.429127	0.444783
Pafah1b2	-0.03248	0.426892	0.442528
Mblac1	-0.16796	0.426791	0.442485
Naif1	-0.14486	0.424448	0.440147
Stxbp3	-0.04322	0.423225	0.439
4833417C	-0.16982	0.421495	0.437266
Kti12	-0.06522	0.421093	0.43688
6430573P	-0.1988	0.420804	0.43664
Ogfr	-0.05582	0.420506	0.436361
Erlin2	-0.05051	0.418481	0.43429
Nol8	-0.06169	0.415826	0.431624
1500004A	-0.18249	0.41085	0.426637
Gm16378	-0.22193	0.408386	0.424137
Ccdc18	-0.20236	0.406712	0.422516
Slc25a51	-0.04847	0.406393	0.422214
Pygm	-0.06691	0.399852	0.415533
Cox18	-0.08415	0.399481	0.415177
Pigq	-0.06112	0.395136	0.410803
5730414N	-0.16321	0.393042	0.408682

Eno1b	-0.10312	0.392635	0.408288
Pus7	-0.10058	0.390672	0.406303
Elfn2	-0.14647	0.386304	0.4019
Bcap29	-0.0609	0.380468	0.395966
Klhl26	-0.09259	0.379243	0.394718
Abtb2	-0.29189	0.377791	0.393289
Ngly1	-0.05527	0.373395	0.388794
Arhgap44	-0.17439	0.370691	0.386086
Ube2z	-0.04927	0.369346	0.384712
Ankrd35	-0.28696	0.36889	0.384264
Gm37499	-0.27479	0.364132	0.37944
Psm6	-0.04438	0.360229	0.375451
Cox8a	-0.02046	0.359293	0.374501
Mospd3	-0.08186	0.356127	0.371278
Cdc42ep3	-0.03923	0.354579	0.369716
Uxt	-0.08714	0.353579	0.368751
Mcph1	-0.18718	0.352484	0.367685
Ndufa2	-0.02503	0.340762	0.355706
Gm12840	-0.2714	0.338887	0.353872
Gm50069	-0.21118	0.335871	0.350894
Zfp715	-0.08195	0.334795	0.349795
Pdap1	-0.03336	0.334552	0.349564
Gm13835	-0.28913	0.330551	0.34548
Mtx1	-0.07339	0.330226	0.345165
Gm37900	-0.26434	0.326894	0.34173
Rtraf-ps	-0.28473	0.324964	0.339807
Eif3d	-0.04309	0.323376	0.338171
Fancb	-0.24102	0.322875	0.33767
Gm43421	-0.32517	0.321591	0.336375
241008010	-0.128	0.317524	0.332306
Slc35c1	-0.16781	0.317358	0.332179
Ctns	-0.11205	0.315018	0.329775
Gm36936	-0.15655	0.313109	0.327823
2310011JC	-0.06598	0.312107	0.326797
Hspa4	-0.04052	0.307122	0.321757
Zadh2	-0.06955	0.304875	0.319448
Ulk1	-0.06807	0.302678	0.317257
Gm37186	-0.20727	0.302647	0.317246
Prr13	-0.04751	0.300869	0.315449
Ints9	-0.08351	0.298653	0.313147
Pik3ap1	-0.33719	0.297987	0.312493
Gm28151	-0.15697	0.296007	0.310481
Pik3cb	-0.09978	0.287943	0.302193
Ubl4a	-0.07598	0.285292	0.299495
Cd27	-0.28867	0.282207	0.296297
Ptges3	-0.03277	0.278573	0.292544
Gm44699	-0.2408	0.277351	0.291302

C79130	-0.28888	0.276159	0.290111
Ptpn3	-0.36105	0.273968	0.287849
Igf2	-0.3618	0.27282	0.286704
Prr7	-0.16307	0.272338	0.286217
Ppp2cb	-0.08066	0.271762	0.285632
Ier3	-0.03764	0.267738	0.281441
Zfp804a	-0.30861	0.265942	0.279573
Tbc1d25	-0.22625	0.261787	0.275302
Gm20634	-0.29788	0.259804	0.273255
Rps2	-0.02929	0.257214	0.270569
Clptm1	-0.05535	0.255841	0.269144
Neu3	-0.23207	0.254067	0.267352
Hmox2	-0.06573	0.253543	0.26682
Sar1a	-0.05107	0.252429	0.265666
Timm10b	-0.05147	0.250809	0.263979
Gm43330	-0.32447	0.250431	0.263605
Gne	-0.10159	0.249541	0.262701
Golga7	-0.05344	0.249368	0.262537
Pnkp	-0.09562	0.248597	0.261744
Gm48375	-0.19989	0.248152	0.261294
Spopl	-0.07546	0.245742	0.258829
Traip	-0.33124	0.245262	0.25836
Trappc4	-0.04569	0.242671	0.255666
Pak1	-0.22103	0.241881	0.254888
Dguok	-0.05795	0.241351	0.254347
4921524J1	-0.05955	0.239646	0.252639
Ndufb6	-0.04787	0.236965	0.249945
Tubgcp3	-0.09498	0.23635	0.24934
Ccdc160	-0.23042	0.235948	0.248934
Amigo1	-0.15591	0.234949	0.247967
Snrpb	-0.03616	0.23448	0.247506
Stom	-0.05414	0.233909	0.246956
A530064N	-0.4239	0.231893	0.244845
Usp39	-0.09798	0.231522	0.244488
Gm43848	-0.21445	0.228894	0.241764
Poglut2	-0.16053	0.228539	0.241423
Ankfy1	-0.07749	0.225514	0.238261
1810024B1	-0.19168	0.222061	0.234679
B4galnt1	-0.41712	0.220316	0.232901
Mon2	-0.06527	0.217766	0.230237
Ddx3y	-0.04934	0.215666	0.228081
Mccc2	-0.14941	0.213018	0.225345
Tmem167l	-0.08928	0.212995	0.225337
Smim19	-0.07996	0.212494	0.22487
Galns	-0.29034	0.210394	0.22271
Gm48086	-0.37075	0.20744	0.219599
Unc5d	-0.32779	0.206085	0.218196

Vti1a	-0.09203	0.2047	0.21676
B3gnt1l	-0.26978	0.204418	0.216477
Ilkap	-0.0598	0.20256	0.21457
Armcs5	-0.10797	0.20083	0.212782
Cdc42bpa	-0.04556	0.199279	0.211169
Sel1l	-0.05621	0.198645	0.210512
Mapk1ip1l	-0.06937	0.197457	0.209267
5730409E	-0.11128	0.196026	0.20781
Ube2v1	-0.19526	0.195879	0.207669
Tmem50b	-0.08416	0.195625	0.207429
Grk6	-0.11423	0.193436	0.205209
Dynlt1f	-0.14346	0.193331	0.205113
Mcrip1	-0.05716	0.192924	0.20471
Rab3il1	-0.22531	0.191782	0.203512
Fndc10	-0.17745	0.191018	0.202716
Wdr81	-0.19445	0.189424	0.201053
Scmh1	-0.07057	0.188278	0.199851
Gm42551	-0.27218	0.184491	0.195901
Rnf216	-0.06891	0.184446	0.195867
Dclre1b	-0.19691	0.184298	0.195723
Csnk2a1-p	-0.2216	0.182679	0.194031
Ninl	-0.32695	0.182239	0.193579
Polr2h	-0.10609	0.180277	0.191522
Tbc1d13	-0.12688	0.178849	0.190058
Polm	-0.28644	0.178057	0.189229
Pitrm1	-0.13914	0.177384	0.188542
Polr3h	-0.12225	0.176755	0.187887
Sae1	-0.07718	0.176199	0.187322
Dennd6a	-0.07287	0.175024	0.186085
Tipin	-0.08692	0.171623	0.182509
Rp2	-0.13664	0.171295	0.182173
Pacs2	-0.09851	0.171133	0.182013
Gm43254	-0.32055	0.170576	0.181459
Slc25a40	-0.13631	0.170531	0.181424
Gsr	-0.1013	0.169816	0.18069
Gatad2a	-0.06357	0.169487	0.180353
Vps35	-0.05834	0.168969	0.179827
Dancr	-0.16183	0.168906	0.179772
Bag5	-0.06324	0.168815	0.179689
Dnlz	-0.09037	0.167314	0.178103
Tmem248	-0.09226	0.16687	0.177644
Trp53inp1	-0.09038	0.166153	0.176892
Ap5b1	-0.42122	0.165684	0.176406
Gm43331	-0.29757	0.163204	0.173827
Usf1	-0.10113	0.16317	0.173803
Rpa1	-0.10667	0.162437	0.173047
Phb	-0.1132	0.161258	0.171816

AV099323	-0.39257	0.161097	0.171657
4633401B	-0.28419	0.160516	0.171062
Ubr7	-0.09235	0.158898	0.169361
Mocs2	-0.07162	0.158247	0.168691
Rnf149	-0.16081	0.154008	0.164313
Zfp951	-0.32198	0.152818	0.163067
Cmas	-0.09474	0.151988	0.162204
Snap47	-0.09128	0.150591	0.160759
Ankrd9	-0.21397	0.150035	0.160178
Fan1	-0.25583	0.149845	0.159986
Gm38357	-0.3271	0.149334	0.159452
Gins4	-0.11026	0.149147	0.159275
Psmb2	-0.05228	0.148744	0.158855
Rbak	-0.1584	0.145782	0.155759
Larp7	-0.08686	0.14554	0.155511
Sdad1	-0.14144	0.144946	0.154899
Traf4	-0.27462	0.140205	0.149865
Washc4	-0.08901	0.139859	0.149505
R74862	-0.22908	0.138549	0.148136
Gm4792	-0.12315	0.138237	0.147813
Gm37653	-0.33077	0.137276	0.146817
Gm37274	-0.21125	0.135524	0.144995
Rsl1	-0.26011	0.134803	0.144235
Pgap2	-0.1121	0.13453	0.143953
Lmtk2	-0.13558	0.132919	0.142259
Tdp1	-0.19087	0.13189	0.141168
Bub3	-0.06427	0.131245	0.140488
Micos10	-0.04452	0.130666	0.139878
Nudt16l1	-0.10961	0.128307	0.137421
C030015A	-0.42981	0.127844	0.136935
Inha	-0.44176	0.127555	0.136635
Amdhd2	-0.18185	0.125668	0.134662
Ln timer	-0.33048	0.125262	0.134246
Ptma-ps2	-0.41445	0.125224	0.134215
Coasy	-0.15249	0.124858	0.133833
Mrpl13	-0.07762	0.123512	0.132418
Sun1	-0.0803	0.122893	0.131793
Use1	-0.05206	0.122301	0.131167
Gm10030	-0.26621	0.12124	0.130047
Zfyve1	-0.15117	0.120745	0.129525
Tubb5	-0.04186	0.120292	0.129049
Rragc	-0.08909	0.119834	0.128577
Srbd1	-0.14216	0.119071	0.127776
Naa80	-0.11899	0.116914	0.125515
Nucks1	-0.04435	0.116848	0.125455
Tmem198l	-0.17014	0.115778	0.124323
Ralyl	-0.38471	0.115201	0.12372

BC004004	-0.0874	0.11408	0.122535
Gm43313	-0.27445	0.114003	0.12246
Nsdhl	-0.18337	0.113969	0.122433
Wdr45b	-0.0894	0.110915	0.119203
Trim7	-0.40466	0.110164	0.118421
Hmgcs1	-0.08227	0.109875	0.118119
Tstd3	-0.26928	0.109515	0.117749
Arap1	-0.18016	0.108154	0.116327
Padi2	-0.22607	0.10751	0.11566
Atp5g2	-0.15573	0.107417	0.115576
Bloc1s6	-0.12168	0.107288	0.115446
Med12	-0.2144	0.106527	0.11466
Gm8692	-0.41041	0.104054	0.112055
Lima1	-0.05827	0.102649	0.110589
Gm15672	-0.36277	0.102473	0.110416
Paox	-0.29144	0.1019	0.109806
C230062I1	-0.36858	0.101565	0.109466
Gm43817	-0.36016	0.100923	0.108793
Strip1	-0.11407	0.100536	0.108383
Haus7	-0.15326	0.100435	0.108282
Gm30124	-0.50599	0.099595	0.107408
Tmem81	-0.35102	0.098548	0.106301
Nlrc3	-0.43697	0.097214	0.104878
Lamtor1	-0.07133	0.096704	0.10435
Rbpj	-0.09003	0.093694	0.101123
Ube2q2	-0.11412	0.093258	0.100668
Samm50	-0.09022	0.093185	0.100597
Tsc22d2	-0.07555	0.092644	0.100041
Gm43328	-0.33422	0.092435	0.099822
Gramd1a	-0.13592	0.092109	0.099477
Znrf1	-0.07227	0.091804	0.099155
Eif3j1	-0.08087	0.090939	0.098228
Atg101	-0.1019	0.090848	0.098137
Gm7160	-0.34617	0.090485	0.097758
6330562C	-0.52672	0.088971	0.096179
Gm7868	-0.44354	0.087844	0.094988
Rab8a	-0.09371	0.087024	0.094114
Exoc3l	-0.36638	0.086307	0.093352
Slc37a3	-0.15871	0.08623	0.093283
Cbfb	-0.11843	0.085309	0.092307
Dusp28	-0.15612	0.084978	0.091955
Kif3c	-0.16963	0.084131	0.091052
Noct	-0.17218	0.083006	0.08984
Gm37783	-0.2173	0.08266	0.089492
Gm48682	-0.48312	0.08251	0.089342
4833413G	-0.4407	0.081988	0.088791
Fam122b	-0.3266	0.081432	0.088207

Pcbp1	-0.0528	0.081205	0.087967
Nfic	-0.05212	0.080491	0.087207
Ehmt2	-0.10141	0.080241	0.086942
Zfp512b	-0.15925	0.079858	0.086534
Gm5644	-0.4207	0.079386	0.086047
Gopc	-0.13028	0.078805	0.085423
Mif-ps4	-0.44074	0.078587	0.0852
Tubd1	-0.31573	0.077798	0.084369
Ldhd	-0.43821	0.077678	0.084245
Slc35a5	-0.13576	0.077334	0.083878
Smc1a	-0.06091	0.076651	0.083173
Srek1ip1	-0.10563	0.074873	0.08125
Sap18b	-0.37875	0.071797	0.07794
Gm37420	-0.26933	0.071482	0.077603
Gm43677	-0.54914	0.071	0.077086
Rexo5	-0.49392	0.069798	0.075787
Cacna1s	-0.52072	0.069643	0.075624
Frg1	-0.09762	0.068597	0.074509
Gm9887	-0.31905	0.067389	0.073208
Rnf138	-0.11363	0.067041	0.072835
Ppme1	-0.09665	0.06699	0.072785
Hsph1	-0.13069	0.066978	0.072777
Osbp11	-0.13805	0.066283	0.072033
Mcm4	-0.19884	0.066226	0.071976
Tbx6	-0.57549	0.065738	0.07145
Mir22hg	-0.22311	0.063998	0.069579
Dmpk	-0.22064	0.063397	0.068946
Gm44667	-0.20029	0.063213	0.068766
Tpk1	-0.32668	0.063205	0.068762
Gm11914	-0.44176	0.060848	0.066227
Slc2a13	-0.61325	0.058904	0.064148
Eif2ak1	-0.16317	0.058391	0.063609
Gm20536	-0.39216	0.058088	0.063292
Kdm6a	-0.10501	0.057627	0.062798
Lag3	-0.39242	0.056709	0.061821
Tbc1d2	-0.35053	0.054737	0.059705
Pdcd5-ps	-0.53301	0.054512	0.05947
Tmem86a	-0.22231	0.053197	0.058068
Stx18	-0.16879	0.053119	0.057992
Kcnab3	-0.61394	0.05308	0.057958
Vwa8	-0.17173	0.053035	0.057913
Abcd2	-0.21924	0.052424	0.057253
Creld1	-0.15472	0.052249	0.057067
Rnf141	-0.14874	0.051503	0.056268
Oxr1	-0.09032	0.050227	0.054883
Vps13a	-0.11308	0.049817	0.054439
Fchsd2	-0.11787	0.049638	0.054247

Adcy2	-0.48451	0.049436	0.054034
Naa38	-0.08746	0.04938	0.053977
Ugcg	-0.13332	0.048613	0.053149
Rlim	-0.10984	0.048569	0.053105
Myo18a	-0.10302	0.048336	0.052855
Cdc27	-0.14483	0.048187	0.052696
Gm12350	-0.2746	0.047812	0.052293
Gm15510	-0.49341	0.047795	0.052278
Rnaseh2a	-0.19565	0.047451	0.05191
2610035D	-0.28828	0.047122	0.051553
Gm37465	-0.46423	0.046404	0.050776
Cux1	-0.08461	0.046318	0.050689
Hacl1	-0.2597	0.045741	0.050068
Acot7	-0.1925	0.045165	0.049464
Bex1	-0.20044	0.045006	0.049292
Man2c1	-0.18763	0.044922	0.049211
Akr7a5	-0.15473	0.04439	0.04865
Gm43481	-0.27418	0.044384	0.048647
Parp16	-0.31282	0.044343	0.048606
Gm38034	-0.46578	0.044136	0.048393
Pdzd11	-0.1226	0.044065	0.048322
Isoc2b	-0.42629	0.043817	0.048054
Zfp703	-0.13828	0.043691	0.047922
Ramac	-0.09308	0.043507	0.047728
Iars2	-0.12673	0.043259	0.047462
Pola2	-0.22487	0.042943	0.047119
Gm4285	-0.41607	0.042888	0.047062
Rab34	-0.18811	0.042357	0.046483
Atp6v1g2	-0.26343	0.042208	0.046326
Ntmt1	-0.19672	0.041948	0.046045
Simc1	-0.32588	0.04187	0.045962
Hnrnpa0	-0.06518	0.041745	0.045828
Phf23	-0.12814	0.041607	0.04568
Atrnl1	-0.17199	0.041426	0.045492
Gm49980	-0.31118	0.041397	0.045462
Lrch2	-0.29753	0.040727	0.044736
Tmem185l	-0.22702	0.040213	0.044188
Tcte2	-0.41004	0.039882	0.043837
Pisd-ps1	-0.50744	0.039552	0.043481
Mrrf	-0.20514	0.039505	0.043436
Rai1	-0.1421	0.038863	0.04274
Trim32	-0.19946	0.038525	0.042378
Spg20	-0.14238	0.038045	0.041858
Adamtsl5	-0.24982	0.037739	0.041531
Lsm5	-0.10526	0.037482	0.041251
Tmem178	-0.65418	0.037045	0.040779
Yipf4	-0.08279	0.036541	0.040233

Gm37660	-0.5189	0.036244	0.039912
Gls2	-0.70661	0.035854	0.039491
Pet100	-0.10574	0.035785	0.039419
Ccl27a	-0.17251	0.035712	0.039341
Eif3j2	-0.56633	0.035511	0.039128
Commd4	-0.12718	0.035325	0.038929
Myo5b	-0.39938	0.035192	0.03879
Gm45495	-0.41214	0.034826	0.03839
Trak1	-0.09911	0.034564	0.038109
Slc38a1	-0.16173	0.034551	0.038099
H4c8	-0.24046	0.034177	0.037691
Zmynd11	-0.07015	0.033217	0.036657
Klf9	-0.0608	0.033099	0.036538
Arpin	-0.23801	0.033054	0.036491
Bloc1s3	-0.3164	0.032827	0.036246
Tef	-0.10056	0.032545	0.035947
Mocs1	-0.56827	0.031711	0.035039
Rnf7	-0.07194	0.031243	0.034532
Rab4b	-0.48788	0.031194	0.034481
Dpy19l4	-0.13561	0.031187	0.034475
Sec11a	-0.10234	0.030657	0.033905
Tmed4	-0.10971	0.030631	0.033878
Mzt2	-0.18439	0.030383	0.033611
Isoc2a	-0.34517	0.030351	0.03358
Fam118b	-0.1574	0.030135	0.033346
Gm37183	-0.35206	0.029864	0.033052
Syn1	-0.47864	0.029775	0.032958
Lrrtm2	-0.62983	0.029761	0.032947
Gm19327	-0.72042	0.029682	0.032862
mt-Tw	-0.36836	0.029477	0.03264
Arntl2	-0.42293	0.02943	0.03259
Peg10	-0.77321	0.029216	0.032356
Usp1	-0.12188	0.028656	0.031745
Ube2q1	-0.10355	0.028224	0.031278
Jph1	-0.62429	0.028132	0.031179
Mipol1	-0.25261	0.027917	0.03095
Prkaca	-0.13865	0.027501	0.030496
Ctdnep1	-0.12043	0.027501	0.030496
Nek3	-0.45436	0.027189	0.030156
6030400A	-0.49417	0.026971	0.02992
Dlg3	-0.25873	0.026789	0.029723
Gm16751	-0.55497	0.026646	0.029569
AI987944	-0.20209	0.026378	0.029276
Gm4013	-0.41793	0.026131	0.029011
Pigp	-0.11802	0.026117	0.028997
Smim12	-0.12327	0.025924	0.028785
AI837181	-0.13776	0.025869	0.028726

Dele1	-0.14815	0.025288	0.028095
Avl9	-0.11375	0.025207	0.028008
Ubr1	-0.10815	0.02494	0.027719
B430203G	-0.68123	0.02487	0.027643
Msrb1	-0.14285	0.024508	0.027246
Tyw5	-0.18799	0.023939	0.026624
Fam98c	-0.14215	0.023881	0.026562
Wdr11	-0.17161	0.023842	0.02652
Pex5	-0.21104	0.023805	0.026483
Gm6222	-0.58872	0.023735	0.02641
Slc30a7	-0.19125	0.023354	0.025989
Bop1	-0.24646	0.02324	0.025866
1300002E:	-0.14656	0.022986	0.025595
Atp5d	-0.06365	0.022898	0.025504
Slc35b3	-0.20823	0.022836	0.025437
Fhod1	-0.21766	0.022776	0.025374
Spag5	-0.69372	0.022251	0.024802
Fhit	-0.61475	0.021428	0.023901
9430041J1	-0.56495	0.021188	0.023639
mt-Tk	-0.63017	0.020875	0.023291
Inpp5k	-0.13898	0.020034	0.022359
Tcof1	-0.15768	0.019831	0.022136
Ttc7	-0.41824	0.019676	0.021967
9530068E:	-0.12891	0.019657	0.021947
Invs	-0.25877	0.01933	0.021585
Rpl7l1	-0.12081	0.018826	0.021033
7SK-197	-0.39326	0.018688	0.020884
Gm44829	-0.37372	0.018612	0.0208
Gprin2	-0.65325	0.018472	0.020649
B230206I0	-0.63666	0.01829	0.020451
Prelid3a	-0.59879	0.018185	0.020337
Dpysl4	-0.18576	0.01785	0.019966
Dcaf12	-0.16426	0.017654	0.01975
Prr36	-0.81922	0.017287	0.019348
Setbp1	-0.21636	0.017112	0.019154
Tsc2	-0.17205	0.016563	0.018544
Phf13	-0.2744	0.016474	0.018449
Snhg4	-0.26121	0.01621	0.018155
Manf	-0.09956	0.016139	0.018078
Plcxd1	-0.82035	0.015923	0.017841
Gm45767	-0.39131	0.015904	0.017821
Epha8	-0.80954	0.015789	0.017694
Nans	-0.21784	0.015712	0.017609
Psmb5	-0.09481	0.01563	0.017522
Hcfc1	-0.13977	0.01551	0.017392
Eaf2	-0.50785	0.015183	0.017032
Uqcrc2	-0.09011	0.015179	0.01703

Rasa1	-0.1111	0.015179	0.01703
Eif2b5	-0.15274	0.014883	0.016702
5430403G	-0.42087	0.014859	0.016676
Dpp9	-0.18957	0.0147	0.016498
Wdr45	-0.22395	0.014455	0.016231
Uba5	-0.14846	0.014338	0.016103
Zbtb10	-0.17532	0.014296	0.016057
Dusp10	-0.54024	0.014274	0.016034
Pa2g4	-0.11245	0.014101	0.015841
Rab14	-0.06611	0.014069	0.015807
Flywch1	-0.14047	0.013877	0.015594
Zfp995	-0.56826	0.01387	0.015588
Mea1	-0.13377	0.013802	0.015513
Rad21	-0.09109	0.013547	0.015229
Gpr62	-0.79786	0.013357	0.015021
GlrX	-0.23991	0.013096	0.014733
Lat2	-0.654	0.013081	0.014716
Lix1	-0.80388	0.013068	0.014703
B930086LC	-0.27443	0.012834	0.014444
Brap	-0.17508	0.0128	0.014407
Dctn4	-0.10564	0.012524	0.014105
Pcdhga5	-0.46315	0.012342	0.013901
Sin3b	-0.11216	0.012297	0.013851
Six1	-0.34292	0.012216	0.013762
Mtpap	-0.15701	0.01202	0.013545
Lgals8	-0.14807	0.011887	0.0134
Tle5	-0.06518	0.011783	0.013284
Calr	-0.07527	0.011596	0.013078
Ankrd10	-0.14135	0.0115	0.012971
Cmpk1	-0.11188	0.011353	0.012806
Shisal1	-0.31041	0.011328	0.01278
Hspa12a	-0.20067	0.011255	0.012699
Gm15708	-0.75102	0.01125	0.012694
Gm49417	-0.36713	0.011073	0.0125
Lmbrd1	-0.1004	0.010751	0.01214
Dnajc14	-0.16464	0.010722	0.012109
Rtcb	-0.12389	0.010498	0.011857
Ksr1	-0.22128	0.010391	0.011738
Gm19196	-0.67735	0.010314	0.011652
Cep72	-0.70473	0.010199	0.011524
Pdk1	-0.22823	0.010173	0.011495
Dnpep	-0.13229	0.010145	0.011466
Ung	-0.71971	0.010096	0.01141
Gabrr3	-0.68844	0.01009	0.011405
Cpeb2	-0.24015	0.00997	0.011272
Gstm4	-0.58145	0.009953	0.011253
Brdt	-0.45155	0.009667	0.010935

1110059E:	-0.1697	0.009521	0.010772
Tyk2	-0.29705	0.009477	0.010723
Rbm11	-0.71133	0.009474	0.010721
Ebp	-0.15981	0.009193	0.010408
Tmc4	-0.63233	0.009	0.010194
Stau1	-0.14756	0.008979	0.01017
Sumo2	-0.06332	0.00894	0.010127
Plekha5	-0.19967	0.008798	0.009969
Ccdc93	-0.29903	0.00869	0.009847
Mtmr6	-0.12992	0.008669	0.009824
Cdc14a	-0.14543	0.008595	0.009743
Gna13	-0.11651	0.008586	0.009733
Ackr1	-0.29809	0.008571	0.009717
Gm10275	-0.87846	0.008564	0.00971
Rps7-ps3	-0.55715	0.008445	0.009576
Tro	-0.66309	0.008417	0.009545
Gm4734	-0.76566	0.008402	0.009529
Zfp865	-0.21281	0.008326	0.009444
Glce	-0.23915	0.008294	0.009409
Zfp652os	-0.90106	0.008279	0.009393
Gm17251	-0.40266	0.008218	0.009325
Iftap	-0.13933	0.008136	0.009232
31100800	-0.63555	0.008087	0.009178
Ptpn1	-0.12876	0.008016	0.009102
Fbxw2	-0.1168	0.007966	0.009046
Dip2b	-0.12521	0.007883	0.008952
Avpi1	-0.17539	0.007874	0.008942
Kat2a	-0.30659	0.007814	0.008875
Tmem242	-0.19841	0.007566	0.008598
C130089Kl	-0.32747	0.007475	0.008498
Arhgap21	-0.16254	0.00744	0.00846
Lsm6	-0.11577	0.007341	0.008347
Gm14586	-0.51006	0.007326	0.00833
Evl	-0.15969	0.007155	0.008139
Mrpl36	-0.15766	0.007129	0.00811
Rabep2	-0.26614	0.006973	0.007935
Pgm2l1	-0.14823	0.006948	0.007907
Fam50a	-0.16117	0.006919	0.007875
Gm37472	-0.51151	0.006756	0.007695
Pigyl	-0.1611	0.006555	0.007469
Nmb	-0.49727	0.006555	0.007469
Nmrk1	-0.3979	0.006534	0.007446
Mrpl27	-0.13846	0.006231	0.007102
Coro1b	-0.42504	0.006196	0.007063
Atxn1l	-0.20105	0.006168	0.007031
Ripk2	-0.32511	0.006138	0.006998
Tmf1	-0.11666	0.005919	0.006751

Uxs1	-0.24626	0.00584	0.006661
Tm2d3	-0.13529	0.005804	0.006621
Drg1	-0.15349	0.005729	0.006538
Naxe	-0.13185	0.005641	0.00644
Fchsd1	-0.71074	0.005638	0.006437
Sergef	-0.49499	0.00553	0.006315
Cmc2	-0.19191	0.005436	0.006209
Ctnna2	-0.85722	0.005414	0.006185
Nudc	-0.10005	0.005379	0.006146
Zfand2a	-0.28286	0.005366	0.006131
Gm16638	-0.5938	0.005349	0.006113
Ypel4	-0.7851	0.005328	0.006089
Psmd7	-0.09652	0.005219	0.005967
Dlgap4	-0.13431	0.005198	0.005943
Hmox1	-0.46069	0.005149	0.005888
Adrm1	-0.1559	0.005118	0.005854
Eif2ak4	-0.27501	0.005057	0.005784
Ube2d3	-0.07778	0.005033	0.005757
Gm44668	-0.54483	0.004925	0.005637
Mtmr9	-0.27042	0.004892	0.0056
Hexim1	-0.15945	0.004612	0.00528
Zfp668	-0.45391	0.004598	0.005265
Nme4	-0.67565	0.004572	0.005236
Adgrb2	-0.54524	0.00447	0.005121
Rpl15-ps2	-0.73621	0.004466	0.005117
Rimk1a	-0.88862	0.004406	0.005048
Strn4	-0.16658	0.004212	0.004829
Brd4	-0.10998	0.004152	0.004761
E2f6	-0.25812	0.004101	0.004704
Mthfd1l	-0.6627	0.003965	0.004549
Gm43984	-0.6797	0.003939	0.004521
Cox7a2	-0.07176	0.003932	0.004513
Phf24	-0.97987	0.003906	0.004484
Hscb	-0.28735	0.003861	0.004433
Llgl1	-0.23881	0.003846	0.004417
Utp23	-0.28366	0.003767	0.004328
Pole2	-0.717	0.003729	0.004285
Pctp	-0.53435	0.003656	0.004202
Snx20	-0.93571	0.003591	0.004129
Dis3l	-0.36868	0.003495	0.004019
Ddx50	-0.10413	0.003431	0.003947
Pcdhb21	-0.64484	0.003425	0.00394
Rps15a-ps	-0.51213	0.003367	0.003874
Idh3g	-0.14136	0.003364	0.003871
Zfp984	-0.48485	0.003331	0.003834
Gm21955	-0.847	0.003185	0.003668
Crif1	-0.59667	0.003105	0.003577

Psen2	-0.20969	0.003051	0.003515
Trappc3	-0.14826	0.003044	0.003508
Gm43149	-0.64399	0.003034	0.003497
Insig2	-0.16873	0.003005	0.003464
Psmc10	-0.22591	0.00299	0.003447
Pcgf2	-0.28293	0.002977	0.003433
Exoc7	-0.21509	0.002918	0.003365
Vapa	-0.10019	0.002914	0.003362
Mrps6	-0.20889	0.002901	0.003346
Zfp825	-0.45932	0.002871	0.003313
Ndufaf2	-0.18757	0.002837	0.003275
Ei24	-0.13671	0.002813	0.003247
Inpp4a	-0.28443	0.002784	0.003214
Lratd2	-0.35032	0.002729	0.003152
Rps15a-ps	-0.46582	0.002693	0.00311
Rpl7-ps9	-0.42114	0.002673	0.003087
Gm49502	-0.64215	0.002616	0.003024
Gm43336	-0.4062	0.002604	0.00301
Mcmdbp	-0.17274	0.002594	0.002999
Sgsh	-0.4878	0.002588	0.002993
A430018G	-0.39182	0.002588	0.002992
Gm6477	-0.83459	0.002583	0.002987
Ms4a6c	-1.01575	0.002563	0.002964
Nqo2	-0.3113	0.002539	0.002937
Rpusd1	-0.39214	0.002533	0.00293
Gm43445	-0.95948	0.002502	0.002895
Gm5854	-0.83192	0.002415	0.002795
Pqbp1	-0.17462	0.0024	0.002777
Gm43281	-0.60429	0.002313	0.002678
Gm12254	-0.60241	0.002231	0.002585
6430548N	-0.23389	0.002203	0.002553
Pcsk2	-0.87293	0.002138	0.002478
Ctnnbl1	-0.22035	0.002127	0.002466
Plekhn2	-0.24404	0.002111	0.002448
Rps13-ps2	-1.1004	0.002084	0.002418
Nudt18	-0.31582	0.001995	0.002315
Abcb9	-0.37679	0.001976	0.002294
Prune1	-0.29753	0.001931	0.002242
Txn11	-0.11772	0.001924	0.002235
Ncoa4	-0.1764	0.001885	0.00219
Fabp3	-0.84628	0.001837	0.002135
Urb2	-0.48004	0.001811	0.002105
C2cd2	-0.21205	0.001799	0.002091
6030460B	-0.92069	0.001784	0.002075
Ttc38	-0.50503	0.001784	0.002074
Clip2	-0.35754	0.001783	0.002074
Tspan33	-0.54088	0.001773	0.002062

Mfsd14b	-0.19309	0.001772	0.002061
Gm43071	-0.59836	0.00176	0.002048
Hba-a1	-0.43857	0.001745	0.002031
Man1b1	-0.23423	0.001736	0.00202
Gak	-0.2061	0.001715	0.001996
Eif4b	-0.1187	0.001692	0.00197
Gm42670	-0.88	0.001687	0.001964
Man2b1	-0.19937	0.00166	0.001933
Ercc4	-0.33142	0.00165	0.001922
Cda	-1.06316	0.001646	0.001918
Akt1s1	-0.23749	0.001624	0.001892
Zfp706	-0.11828	0.001571	0.001831
D130017N	-0.98327	0.001571	0.001831
Irf6	-0.68408	0.001553	0.00181
Aplp1	-0.26918	0.001544	0.001801
Whamm	-0.23616	0.001485	0.001732
Gm43361	-0.50621	0.001471	0.001717
Foxn2	-0.20646	0.001433	0.001672
Nap1l3	-0.45892	0.001432	0.001672
1700066M	-0.38303	0.001404	0.001639
Csnk2b	-0.12708	0.001382	0.001614
Ogg1	-0.56052	0.001374	0.001604
Imp3	-0.13278	0.001366	0.001596
Hpcal4	-0.56454	0.001351	0.001578
Nrn1	-1.06461	0.001331	0.001555
Pdha1	-0.17275	0.001273	0.001488
Stx6	-0.18415	0.001245	0.001455
Hr	-0.60202	0.001233	0.001442
Lypd1	-0.61408	0.001172	0.001371
Plekhm1	-0.2463	0.001167	0.001365
Mob2	-0.17237	0.001164	0.001362
Traf6	-0.28439	0.001162	0.001359
Usp35	-0.92386	0.001161	0.001359
Gm48600	-0.76381	0.001119	0.00131
Otud1	-0.26643	0.001117	0.001308
Abi1	-0.14249	0.001073	0.001257
Vps41	-0.2022	0.001066	0.001249
Gm43387	-0.81099	0.001011	0.001185
Uba2	-0.13464	0.000997	0.001169
Gem	-0.46461	0.000964	0.001131
Adprh	-0.16885	0.000955	0.001121
Caprin1	-0.12834	0.000936	0.001098
Chmp1b	-0.23132	0.000932	0.001093
Rps26-ps1	-0.52793	0.000926	0.001087
Zbtb8a	-0.52591	0.000926	0.001087
Mrpl48	-0.15815	0.000917	0.001077
Vps16	-0.29742	0.000916	0.001075

Slc27a3	-0.90851	0.000878	0.001031
Sema4d	-0.5502	0.000863	0.001014
Cab39	-0.13427	0.00086	0.00101
0610009L1	-0.46053	0.000857	0.001007
Tle6	-1.07139	0.000829	0.000974
Vps36	-0.13256	0.000787	0.000925
Fanc1	-0.51927	0.000782	0.000919
Gclc	-0.23935	0.000762	0.000897
Kcmf1	-0.14783	0.000747	0.000879
Atp23	-0.5727	0.000717	0.000844
Gmppb	-0.43519	0.000717	0.000844
Mybl1	-0.55929	0.00071	0.000836
Plvap	-1.08006	0.000706	0.000832
Pecr	-0.59946	0.000705	0.000831
Cd46	-0.60057	0.000704	0.000829
Scoc	-0.14758	0.000702	0.000828
Fbxl6	-0.28588	0.000701	0.000827
Pccb	-0.3546	0.00068	0.000802
Cln6	-0.39165	0.000675	0.000796
Fut11	-0.2513	0.000661	0.00078
A430110L1	-1.1942	0.000649	0.000766
Gm46430	-0.44131	0.000649	0.000766
Dlgap3	-0.85131	0.000644	0.00076
D130062J1	-0.53263	0.000643	0.000758
Cplx3	-0.25278	0.000637	0.000752
Ablim2	-0.63064	0.000624	0.000737
Nrep	-0.20096	0.000619	0.000731
Scx	-1.1973	0.000617	0.000729
Sel1l3	-1.04813	0.000614	0.000725
Usp11	-0.45395	0.00061	0.000721
Spef1	-0.36926	0.000608	0.000719
C030014I2	-0.50305	0.000608	0.000718
Gm6863	-0.64919	0.000587	0.000693
Gm13340	-0.99212	0.00058	0.000685
Btbd6	-0.38923	0.000575	0.00068
Lrtm1	-0.33264	0.00057	0.000674
Elavl3	-0.77373	0.000559	0.000661
Rskr	-0.38485	0.000553	0.000654
Srd5a3	-0.41648	0.000548	0.000648
Maea	-0.20535	0.000541	0.000641
Lrrc42	-0.23758	0.000533	0.00063
Vps13c	-0.21551	0.000531	0.000629
Fbxo11	-0.15575	0.000529	0.000627
Ube2g1	-0.20304	0.000526	0.000623
4933429O	-0.83806	0.000521	0.000617
Txnrd2	-0.45149	0.000504	0.000597
Msantd3	-0.33449	0.000493	0.000585

Ephb3	-0.79967	0.000491	0.000582
Sugt1	-0.13464	0.000483	0.000573
Ptger1	-0.88348	0.000471	0.000559
Rcor1	-0.19497	0.000467	0.000554
Gm45203	-1.16895	0.000443	0.000525
Abl1	-0.24819	0.000436	0.000518
2610507B	-0.17463	0.000432	0.000513
Ppm1g	-0.17787	0.00043	0.00051
Ttbk1	-1.21053	0.000423	0.000503
Fam187b	-0.952	0.000416	0.000495
Crabp1	-1.05066	0.000411	0.000488
Il18bp	-0.60346	0.000403	0.000479
Colgalt1	-0.1989	0.000381	0.000453
4833438C	-0.62043	0.000379	0.000451
Psm5	-0.15779	0.000374	0.000445
Bc1	-0.94033	0.000365	0.000435
N4bp2os	-0.4964	0.000352	0.000419
Ppp1r21	-0.26481	0.000338	0.000403
Ndufs5	-0.12392	0.000335	0.000399
Nsmf	-0.26103	0.000332	0.000396
Chrna1os	-1.16033	0.000325	0.000387
Igf2r	-0.27479	0.000319	0.00038
Atp5j2	-0.09038	0.000312	0.000372
Gar1	-0.26933	0.000306	0.000365
Cdpf1	-0.44778	0.000305	0.000365
Gm8186	-0.49486	0.000302	0.00036
Gm42829	-1.07176	0.000293	0.00035
Wiz	-0.26601	0.000278	0.000332
Gm4149	-1.12961	0.000276	0.00033
Ubt	-0.15398	0.000275	0.000329
Fbxl14	-0.22242	0.000271	0.000324
Tbcel	-0.23752	0.000269	0.000322
Atn1	-0.19874	0.000266	0.000319
Panx2	-1.02694	0.000266	0.000318
Mvk	-0.36711	0.000266	0.000318
Blvra	-0.27506	0.000258	0.000308
Rab5a	-0.14854	0.000252	0.000302
Mrps12	-0.18734	0.000249	0.000298
Cul4b	-0.32679	0.000246	0.000295
R3hcc1	-0.34122	0.000246	0.000294
BC060293	-0.76394	0.00024	0.000287
Slc39a11	-1.01485	0.000235	0.000282
Wdr91	-0.40259	0.000228	0.000274
Prdx3	-0.21171	0.000228	0.000273
Baiap2l1	-1.14226	0.00022	0.000264
Gm50055	-1.18865	0.000212	0.000255
Srp9	-0.12391	0.00021	0.000252

Ino80b	-0.28503	0.000202	0.000242
Ctps	-0.37493	0.000195	0.000234
Prkaa1	-0.28105	0.000193	0.000232
1810013L	-0.23349	0.000192	0.000231
Snrk	-0.10862	0.000192	0.000231
Cpm	-0.29487	0.000191	0.00023
Smim27	-0.22316	0.000189	0.000227
Fgd6	-0.275	0.000188	0.000226
Rpl3-ps1	-0.42901	0.000175	0.00021
Scfd2	-0.72365	0.000175	0.00021
Rpl9-ps6	-0.3501	0.000174	0.00021
Gm9294	-0.94214	0.000171	0.000205
Spx	-1.00158	0.000168	0.000202
Haus4	-0.45871	0.000166	0.000199
Stt3a	-0.20573	0.000159	0.000191
mt-Tr	-0.68296	0.000152	0.000183
Akr1b8	-1.1567	0.000152	0.000183
Cacnb4	-1.17509	0.00015	0.00018
Ssr3	-0.15077	0.000147	0.000177
Zfp367	-0.35707	0.000146	0.000176
Hspa13	-0.25583	0.000144	0.000173
Gm14403	-0.71581	0.000143	0.000173
Cybc1	-0.39189	0.00014	0.000169
Cnbp	-0.09621	0.000139	0.000168
Idnk	-0.21042	0.000138	0.000167
Lyrn1	-0.32116	0.000137	0.000166
Dpp8	-0.1916	0.000137	0.000165
Ogfod3	-0.34136	0.000136	0.000165
Trim24	-0.19913	0.000136	0.000164
Ercc1	-0.30329	0.000134	0.000162
Ghdc	-0.45552	0.000134	0.000161
Diras1	-1.31099	0.000133	0.000161
Nrn1l	-0.63629	0.000133	0.000161
Snx13	-0.22601	0.000132	0.00016
Nr1h2	-0.20611	0.000131	0.000158
Slc10a7	-0.34193	0.000126	0.000152
Gm47121	-0.80855	0.000125	0.000151
Sumf2	-0.44441	0.000122	0.000148
Itfg1	-0.22108	0.000121	0.000146
Lgals4	-0.50834	0.00012	0.000145
Rex1bd	-0.14832	0.000119	0.000144
Gm45345	-1.09617	0.000117	0.000142
Rnf167	-0.18636	0.000115	0.00014
Cry2	-0.26988	0.000115	0.000139
Triqk	-0.36979	0.000112	0.000135
Pawr	-0.35991	0.00011	0.000134
Rab36	-1.07025	0.00011	0.000133

Nnt-1	-1.00364	0.000108	0.00013
Cdk5rap3	-0.30203	0.000101	0.000122
Tor1b	-0.22199	0.0001	0.000122
Aph1c	-1.30449	9.93E-05	0.00012
Mical3	-0.31653	9.83E-05	0.000119
Pcdhb22	-0.76201	9.74E-05	0.000118
Tmem106i	-0.79433	9.58E-05	0.000116
Cops6	-0.17141	9.55E-05	0.000116
Trim27	-0.32432	9.28E-05	0.000113
Numbl	-0.57539	9.18E-05	0.000111
Lrrc51	-0.72745	9.07E-05	0.00011
mt-Th	-1.01758	8.84E-05	0.000107
Anapc13	-0.15036	8.78E-05	0.000107
Plaa	-0.26723	8.75E-05	0.000106
Slc7a14	-1.20073	8.55E-05	0.000104
Llph	-0.19431	8.39E-05	0.000102
Nudt16	-0.457	7.72E-05	9.38E-05
Hspe1	-0.14854	7.63E-05	9.28E-05
Pla2g15	-0.57089	7.59E-05	9.24E-05
Pdk2	-0.34681	7.58E-05	9.22E-05
Stub1	-0.14799	7.49E-05	9.12E-05
Gad1	-1.21597	7.44E-05	9.06E-05
Emb	-1.50032	7.42E-05	9.04E-05
Sh3kbp1	-0.30911	7.38E-05	8.99E-05
Azin2	-0.53936	7.36E-05	8.96E-05
Gm45844	-1.00524	7.19E-05	8.75E-05
Spred3	-0.64608	7.01E-05	8.54E-05
Gm43256	-1.14077	6.91E-05	8.42E-05
Tbl1xr1	-0.24326	6.72E-05	8.19E-05
Gatd3a	-0.32232	6.67E-05	8.13E-05
Mthfd2l	-0.23617	6.33E-05	7.72E-05
Rfx5	-0.50285	6.14E-05	7.50E-05
Gm43672	-1.23046	6.12E-05	7.46E-05
Gm42636	-1.22151	5.85E-05	7.14E-05
Slc19a1	-0.28631	5.76E-05	7.03E-05
Sacm1l	-0.2476	5.69E-05	6.95E-05
Tmed9	-0.13583	5.64E-05	6.90E-05
Ap3m1	-0.25774	5.40E-05	6.60E-05
Pcdhgc3	-0.79282	5.38E-05	6.58E-05
Ethe1	-0.34866	5.34E-05	6.53E-05
Abhd1	-1.03801	5.34E-05	6.53E-05
Nmt2	-0.27825	5.29E-05	6.47E-05
Pus1	-0.53692	5.22E-05	6.39E-05
Mtrf1l	-0.4149	5.13E-05	6.28E-05
Sptb	-0.51732	5.10E-05	6.24E-05
Itga10	-0.9093	4.98E-05	6.10E-05
Nedd1	-0.44592	4.88E-05	5.98E-05

A930027H	-1.38952	4.81E-05	5.89E-05
Eml4	-0.2417	4.79E-05	5.86E-05
Grin1	-1.32759	4.69E-05	5.74E-05
Ndrg4	-0.64506	4.62E-05	5.66E-05
Gabrr2	-0.59088	4.59E-05	5.62E-05
Neto2	-0.94301	4.56E-05	5.59E-05
Iqgap2	-1.32894	4.55E-05	5.57E-05
Rwdd1	-0.14792	4.36E-05	5.35E-05
mt-Nd3	-0.96184	4.34E-05	5.33E-05
Zfp783	-0.60691	4.26E-05	5.22E-05
Gm15427	-0.48458	4.21E-05	5.17E-05
Pik3c3	-0.34748	4.19E-05	5.14E-05
Pcdhb11	-0.96933	4.11E-05	5.05E-05
Cep83	-0.32667	3.99E-05	4.89E-05
Rgl3	-0.99061	3.94E-05	4.84E-05
Gm12184	-1.11625	3.91E-05	4.80E-05
Rpl19-ps1	-0.92854	3.71E-05	4.56E-05
Cplx1	-1.04097	3.68E-05	4.53E-05
Prodh	-0.4289	3.56E-05	4.38E-05
Etv3	-0.28626	3.50E-05	4.31E-05
Sec24b	-0.25313	3.35E-05	4.12E-05
Slc20a2	-0.35355	3.25E-05	4.00E-05
Epb41l4b	-1.03159	3.25E-05	4.00E-05
Nat2	-1.13198	3.14E-05	3.87E-05
Gm9385	-0.5982	3.12E-05	3.84E-05
Rbbp9	-0.3006	3.11E-05	3.83E-05
Ccdc112	-0.43546	3.02E-05	3.72E-05
Morf4l1-p	-1.26956	3.02E-05	3.72E-05
Vps26a	-0.273	3.01E-05	3.71E-05
Rab1a	-0.14219	2.97E-05	3.66E-05
Vps35l	-0.31469	2.96E-05	3.65E-05
Chl1	-1.07243	2.84E-05	3.51E-05
Ryk	-0.18671	2.80E-05	3.45E-05
Babam2	-0.24733	2.75E-05	3.40E-05
Cyb561	-0.82055	2.74E-05	3.39E-05
Cdc26	-0.19312	2.72E-05	3.36E-05
D830050J1	-0.82106	2.65E-05	3.27E-05
Fads6	-1.15725	2.64E-05	3.26E-05
Naa10	-0.30392	2.59E-05	3.20E-05
Sec13	-0.23412	2.57E-05	3.18E-05
Gm13436	-1.10198	2.49E-05	3.08E-05
Rbpms2	-0.44398	2.48E-05	3.06E-05
Mdga1	-1.05704	2.46E-05	3.05E-05
Copb2	-0.18556	2.30E-05	2.85E-05
Ntan1	-0.18627	2.26E-05	2.80E-05
Tab2	-0.1795	2.26E-05	2.79E-05
Fam234b	-0.71295	2.25E-05	2.79E-05

Gm973	-1.31775	2.16E-05	2.68E-05
Cuedc2	-0.16843	2.15E-05	2.66E-05
Snap29	-0.36474	2.14E-05	2.65E-05
Phf10	-0.28029	2.12E-05	2.63E-05
Dbf4	-1.06174	2.12E-05	2.62E-05
Nmnat2	-1.05058	2.04E-05	2.53E-05
Tom1l1	-1.07197	2.02E-05	2.51E-05
Fmn2	-1.01617	2.02E-05	2.50E-05
Igdcc4	-1.38587	1.98E-05	2.45E-05
Rpp25l	-0.25736	1.87E-05	2.32E-05
Morf4l2	-0.18266	1.86E-05	2.31E-05
Banf1	-0.17616	1.86E-05	2.30E-05
Rpl36-ps2	-0.94676	1.85E-05	2.29E-05
Yipf1	-0.25192	1.82E-05	2.26E-05
Copg1	-0.25311	1.75E-05	2.17E-05
Vapb	-0.19729	1.73E-05	2.14E-05
Atg10	-0.42366	1.62E-05	2.01E-05
Cant1	-0.31743	1.61E-05	2.00E-05
Wdr13	-0.33762	1.58E-05	1.97E-05
Tec	-0.60938	1.56E-05	1.94E-05
4921516A	-1.30472	1.50E-05	1.87E-05
Gm49703	-0.9156	1.50E-05	1.87E-05
Csk	-0.24969	1.50E-05	1.86E-05
Ube2s	-0.71129	1.50E-05	1.86E-05
2210016L2	-0.20727	1.48E-05	1.84E-05
Hnrnpk	-0.10459	1.47E-05	1.84E-05
Aldh16a1	-0.48892	1.44E-05	1.80E-05
Emc9	-0.3853	1.38E-05	1.72E-05
Rab3b	-0.91678	1.36E-05	1.70E-05
H2bc21	-0.55708	1.35E-05	1.68E-05
Apc2	-0.61535	1.34E-05	1.67E-05
Cnih4	-0.1733	1.30E-05	1.62E-05
Pdp1	-0.44812	1.24E-05	1.54E-05
Gm11808	-0.58601	1.23E-05	1.53E-05
Bik	-1.22641	1.21E-05	1.52E-05
Tmem104	-0.64034	1.21E-05	1.51E-05
Rpl6l	-1.00452	1.20E-05	1.50E-05
Mgat5	-0.36174	1.16E-05	1.45E-05
P3h3	-0.44956	1.16E-05	1.45E-05
Gabrg2	-0.68261	1.14E-05	1.42E-05
Pla2g12a	-0.31667	1.12E-05	1.40E-05
Gm20008	-1.15081	1.08E-05	1.35E-05
Gmfb	-0.23889	1.07E-05	1.34E-05
Gm47204	-1.26183	1.06E-05	1.33E-05
Gm43312	-1.03001	1.02E-05	1.27E-05
Gm44509	-0.80792	1.01E-05	1.26E-05
Rcbtb1	-0.27057	9.85E-06	1.23E-05

Ccnyl1	-0.3822	9.75E-06	1.22E-05
Vps13d	-0.238	9.75E-06	1.22E-05
Hgsnat	-0.33312	9.32E-06	1.17E-05
Gm28437	-1.07161	9.29E-06	1.16E-05
Rps25-ps1	-0.74835	9.21E-06	1.15E-05
Irs1	-0.70068	9.00E-06	1.13E-05
Otud7a	-1.29571	8.97E-06	1.12E-05
Tmtc4	-0.48221	8.84E-06	1.11E-05
4632418H	-0.46627	8.71E-06	1.09E-05
Gm49486	-1.56087	8.67E-06	1.09E-05
Lockd	-0.9688	8.65E-06	1.08E-05
Thap3	-0.23697	8.60E-06	1.08E-05
Sco2	-0.47715	8.42E-06	1.06E-05
Ccdc106	-1.037	8.43E-06	1.06E-05
Brox	-0.28667	8.38E-06	1.05E-05
Ifitm10	-0.91868	8.30E-06	1.04E-05
Cpne7	-1.52104	8.18E-06	1.03E-05
Gm47585	-0.92757	8.04E-06	1.01E-05
Lrp2bp	-1.08355	8.04E-06	1.01E-05
Fxyd2	-1.48166	8.01E-06	1.01E-05
Rab42	-1.23282	7.92E-06	9.95E-06
Fth1-ps	-1.00132	7.90E-06	9.93E-06
Gm3728	-0.96096	7.88E-06	9.89E-06
2510039O	-0.3189	7.78E-06	9.78E-06
Arhgef4	-1.14786	7.71E-06	9.69E-06
Gga1	-0.31061	7.57E-06	9.52E-06
Ranbp9	-0.24197	7.56E-06	9.50E-06
Med29	-0.28215	7.52E-06	9.45E-06
Gm29216	-1.26167	7.50E-06	9.43E-06
Pgls	-0.20341	7.23E-06	9.10E-06
Bphl	-0.39086	7.09E-06	8.92E-06
Fbxw4	-0.40157	7.07E-06	8.90E-06
Fcor	-1.20009	7.08E-06	8.91E-06
Gas5	-0.12286	6.92E-06	8.71E-06
Crispld2	-0.95525	6.65E-06	8.37E-06
Bcl6	-0.43919	6.50E-06	8.19E-06
Fbln1	-1.67951	6.30E-06	7.93E-06
Slc41a1	-0.32772	6.18E-06	7.78E-06
Sptbn2	-1.42424	6.11E-06	7.70E-06
Med10	-0.25109	5.92E-06	7.47E-06
Ticam1	-0.86894	5.90E-06	7.44E-06
3110082I1	-0.61494	5.74E-06	7.24E-06
Ufd1	-0.27042	5.66E-06	7.14E-06
Iglon5	-1.61493	5.48E-06	6.92E-06
Gm42432	-0.61723	5.44E-06	6.87E-06
Tspan3	-0.15787	5.35E-06	6.75E-06
Lyp1a1	-1.12305	5.30E-06	6.69E-06

Ppfia4	-1.09064	5.04E-06	6.37E-06
Nln	-0.75241	4.95E-06	6.26E-06
Ywhag	-0.22279	4.93E-06	6.23E-06
Fech	-0.34893	4.78E-06	6.04E-06
Adgrb1	-1.4217	4.77E-06	6.04E-06
Nudcd3	-0.19083	4.67E-06	5.91E-06
Hmgcll1	-1.29481	4.53E-06	5.73E-06
Pxk	-0.24761	4.41E-06	5.58E-06
Gab3	-1.1668	4.32E-06	5.47E-06
Rbfa	-0.37406	4.27E-06	5.42E-06
Dact3	-0.46481	4.27E-06	5.41E-06
Mitd1	-0.32498	4.18E-06	5.30E-06
mt-Tq	-1.34216	4.17E-06	5.28E-06
Spidr	-0.50593	4.09E-06	5.19E-06
Gm37132	-1.30123	4.10E-06	5.20E-06
Tmem106l	-0.22519	3.94E-06	5.00E-06
Gm44510	-1.01214	3.82E-06	4.86E-06
Pip4k2b	-0.39201	3.81E-06	4.84E-06
Gm4221	-1.60572	3.79E-06	4.81E-06
Gba	-0.50623	3.76E-06	4.78E-06
Ndn	-0.30118	3.70E-06	4.70E-06
Efcab15	-1.05789	3.69E-06	4.69E-06
Camkv	-1.27541	3.66E-06	4.65E-06
Sult4a1	-1.41022	3.50E-06	4.45E-06
Hsbp1	-0.14895	3.43E-06	4.36E-06
Snf8	-0.2351	3.36E-06	4.28E-06
Slc31a1	-0.2363	3.36E-06	4.27E-06
Ctsk	-1.35456	3.34E-06	4.25E-06
Echs1	-0.26682	3.33E-06	4.23E-06
Gm21596	-0.63415	3.28E-06	4.17E-06
Gm38009	-0.97381	3.18E-06	4.05E-06
Gabbr2	-1.48568	3.11E-06	3.96E-06
Dars	-0.28191	2.94E-06	3.75E-06
Cpped1	-0.44001	2.83E-06	3.60E-06
Cwc15	-0.1655	2.81E-06	3.58E-06
Nipa1	-0.54693	2.78E-06	3.55E-06
Cracd	-1.42677	2.74E-06	3.49E-06
Trim9	-0.36298	2.67E-06	3.41E-06
Gm11772	-1.16643	2.64E-06	3.37E-06
Cdv3	-0.19922	2.51E-06	3.20E-06
Smad5	-0.22902	2.43E-06	3.11E-06
Chst10	-1.57927	2.34E-06	2.99E-06
C1ql1	-1.27639	2.30E-06	2.94E-06
Sipa1l2	-0.28493	2.29E-06	2.93E-06
Wrn	-0.38593	2.13E-06	2.72E-06
Zfyve21	-0.39998	2.12E-06	2.71E-06
Mrm1	-1.24237	2.10E-06	2.69E-06

Btg1	-0.15194	1.97E-06	2.52E-06
Tmem223	-0.25102	1.95E-06	2.49E-06
Gpm6b	-0.20049	1.95E-06	2.49E-06
Galnt1	-0.22715	1.92E-06	2.46E-06
Mfsd5	-0.50802	1.91E-06	2.45E-06
Gm28661	-1.12351	1.84E-06	2.36E-06
Nt5dc1	-0.56707	1.83E-06	2.35E-06
mt-Ts1	-1.09391	1.83E-06	2.35E-06
Ppp2r2c	-1.56813	1.82E-06	2.34E-06
Wnk2	-0.50702	1.75E-06	2.24E-06
Mrps21	-0.17962	1.69E-06	2.17E-06
Tceal1	-0.33955	1.66E-06	2.13E-06
Acap2	-0.24782	1.65E-06	2.12E-06
Gm38056	-1.66134	1.59E-06	2.04E-06
Atg16l2	-0.74815	1.54E-06	1.98E-06
Clptm1l	-0.31404	1.52E-06	1.95E-06
Impdh2	-0.34235	1.41E-06	1.82E-06
Anks6	-1.55156	1.42E-06	1.82E-06
Chmp7	-0.39149	1.40E-06	1.80E-06
Tenm3	-1.09399	1.40E-06	1.80E-06
Phkb	-0.41192	1.35E-06	1.74E-06
Gpr137	-0.52029	1.34E-06	1.72E-06
Marchf2	-0.21267	1.33E-06	1.71E-06
Rnf166	-0.36912	1.32E-06	1.70E-06
Mrln	-1.22164	1.30E-06	1.68E-06
Ftl1-ps1	-0.8659	1.29E-06	1.66E-06
D630024D	-1.64359	1.22E-06	1.57E-06
Ddx3x	-0.14626	1.19E-06	1.53E-06
Slc43a2	-0.50042	1.19E-06	1.53E-06
Gm6937	-0.66214	1.18E-06	1.52E-06
Gm17823	-1.40866	1.18E-06	1.52E-06
Reep4	-0.77625	1.17E-06	1.51E-06
B3gat1	-1.09532	1.14E-06	1.48E-06
Gm42651	-1.45733	1.08E-06	1.39E-06
Gm10177	-0.70437	1.07E-06	1.38E-06
Snrpb2	-0.27363	1.05E-06	1.36E-06
Dnajb11	-0.24443	1.05E-06	1.36E-06
Nr1h3	-0.84773	1.04E-06	1.35E-06
Gm7536	-1.27077	1.03E-06	1.33E-06
Kxd1	-0.31162	9.92E-07	1.28E-06
Pou2f2	-0.83171	9.44E-07	1.22E-06
Itgb1bp1	-0.36868	9.07E-07	1.17E-06
Epb41l1	-0.48897	8.52E-07	1.10E-06
Gm13611	-0.7238	8.45E-07	1.09E-06
Flot2	-0.43196	8.28E-07	1.07E-06
Hdgf	-0.17341	8.03E-07	1.04E-06
Mllt11	-0.62616	7.55E-07	9.78E-07

Ppp1r15b	-0.31311	7.51E-07	9.73E-07
Psmc13	-0.23866	7.49E-07	9.71E-07
Chmp6	-0.36399	7.43E-07	9.62E-07
2210016F	-0.49146	7.28E-07	9.43E-07
Sptlc1	-0.39072	7.19E-07	9.32E-07
Rai2	-1.24068	7.06E-07	9.14E-07
Cst6	-1.26271	7.04E-07	9.13E-07
Gm15542	-0.99119	7.02E-07	9.09E-07
Pcbd1	-1.58137	7.01E-07	9.09E-07
Crygc	-0.95557	6.98E-07	9.05E-07
Nudt12	-0.76187	6.88E-07	8.92E-07
Spcs1	-0.18502	6.75E-07	8.75E-07
Gm38372	-1.06871	6.74E-07	8.75E-07
mt-Tg	-0.74465	6.71E-07	8.70E-07
Ttyh2	-0.4288	6.64E-07	8.61E-07
Kcna6	-1.44914	6.65E-07	8.62E-07
Gm45220	-0.69228	6.44E-07	8.36E-07
Zfp248	-0.63213	6.25E-07	8.11E-07
Gm42699	-1.07539	6.03E-07	7.83E-07
Rps27a-ps	-0.55059	5.86E-07	7.62E-07
Poglut1	-0.38359	5.85E-07	7.61E-07
Ager	-1.28192	5.85E-07	7.60E-07
Washc2	-0.283	5.81E-07	7.55E-07
Mcm5	-1.37067	5.62E-07	7.31E-07
Pigk	-0.33919	5.37E-07	6.98E-07
Crygd	-1.26951	5.33E-07	6.94E-07
Gm36298	-1.26452	5.11E-07	6.65E-07
mt-Te	-1.24753	4.98E-07	6.48E-07
Fahd2a	-0.47293	4.92E-07	6.41E-07
Zbtb14	-0.39704	4.89E-07	6.37E-07
Snca	-1.38148	4.79E-07	6.23E-07
Ptpn18	-0.37006	4.70E-07	6.13E-07
Gcdh	-0.678	4.65E-07	6.06E-07
Gm29237	-1.30517	4.61E-07	6.01E-07
Igsf9b	-1.13484	4.54E-07	5.92E-07
mt-Tt	-1.47349	4.50E-07	5.87E-07
Vav3	-1.67028	4.31E-07	5.62E-07
Hnrnp2	-0.21521	4.27E-07	5.58E-07
Sgpl1	-0.56145	4.22E-07	5.51E-07
Cd37	-1.30311	4.24E-07	5.54E-07
Idi1	-0.40097	3.51E-07	4.59E-07
Gga2	-0.68983	3.49E-07	4.57E-07
Creg1	-0.29053	3.48E-07	4.55E-07
Cadps2	-1.42876	3.35E-07	4.39E-07
Pitpnc1	-0.17388	3.33E-07	4.37E-07
Adar	-0.35551	3.32E-07	4.34E-07
Csnk1g3	-0.28393	3.31E-07	4.33E-07

Per2	-0.6962	3.30E-07	4.32E-07
Rsph10b	-1.20443	3.30E-07	4.32E-07
Sptbn4	-1.5558	3.24E-07	4.25E-07
Wdr37	-0.27257	3.21E-07	4.20E-07
Ccni	-0.19007	3.16E-07	4.14E-07
Jph4	-1.74088	2.89E-07	3.79E-07
Tram1	-0.22907	2.81E-07	3.69E-07
Arl1	-0.20106	2.77E-07	3.64E-07
Abcb1b	-1.74793	2.76E-07	3.63E-07
Enox2	-0.59976	2.73E-07	3.59E-07
Eif4e3	-0.39965	2.72E-07	3.57E-07
Rwdd2a	-1.30314	2.69E-07	3.53E-07
Parp3	-0.58123	2.67E-07	3.50E-07
Cybb	-2.6987	2.65E-07	3.48E-07
H2-DMa	-1.01859	2.60E-07	3.42E-07
Rgs7	-1.04937	2.59E-07	3.41E-07
Psmc1	-0.23527	2.55E-07	3.36E-07
Rnf4	-0.28526	2.55E-07	3.36E-07
Rab9	-0.27268	2.54E-07	3.34E-07
Cela1	-1.6574	2.48E-07	3.26E-07
Gria1	-1.76126	2.42E-07	3.18E-07
Tmbim6	-0.13077	2.36E-07	3.11E-07
Nbn	-0.47039	2.30E-07	3.03E-07
Ermp1	-0.52347	2.22E-07	2.93E-07
Pepd	-0.55523	2.22E-07	2.93E-07
Arhgap45	-2.33382	2.22E-07	2.92E-07
Aurkaip1	-0.21124	2.20E-07	2.90E-07
Pfkfb3	-0.69432	2.18E-07	2.87E-07
Ankrd28	-0.33229	2.17E-07	2.87E-07
Slc22a23	-1.94472	2.18E-07	2.87E-07
Slc35g2	-0.88414	2.14E-07	2.82E-07
Hcn2	-0.57303	2.12E-07	2.79E-07
Babam1	-0.3207	2.11E-07	2.79E-07
Zfp651	-0.4621	2.05E-07	2.70E-07
Tph2	-1.86933	2.02E-07	2.67E-07
Ulk2	-0.32384	1.92E-07	2.54E-07
Gm11837	-1.78984	1.89E-07	2.50E-07
Gm48700	-1.39711	1.86E-07	2.46E-07
Rps16-ps2	-1.23085	1.81E-07	2.39E-07
Ampd2	-0.62782	1.79E-07	2.37E-07
Cnppd1	-0.38137	1.78E-07	2.36E-07
Ube2ql1	-1.48619	1.79E-07	2.36E-07
Armc10	-0.46415	1.75E-07	2.32E-07
2010315B	-0.44946	1.75E-07	2.32E-07
Etv5	-0.65108	1.63E-07	2.16E-07
Kars	-0.3339	1.63E-07	2.16E-07
Dner	-1.58328	1.61E-07	2.13E-07

Lrrc70	-1.24971	1.58E-07	2.09E-07
Zfp764	-0.81211	1.53E-07	2.03E-07
Alg9	-0.69664	1.48E-07	1.97E-07
Pdxdc1	-0.27731	1.45E-07	1.92E-07
Ptges3l	-1.74077	1.39E-07	1.85E-07
Zbtb7a	-0.19057	1.37E-07	1.82E-07
Khnyln	-0.37618	1.36E-07	1.80E-07
Cd14	-0.91843	1.33E-07	1.76E-07
Vsnl1	-1.89876	1.32E-07	1.75E-07
Rfxank	-0.61941	1.29E-07	1.72E-07
Edem1	-0.47178	1.27E-07	1.69E-07
Gtdc1	-0.49597	1.26E-07	1.67E-07
Vegfb	-0.31718	1.25E-07	1.66E-07
Rph3al	-0.86473	1.19E-07	1.59E-07
Sertad3	-0.52555	1.18E-07	1.57E-07
Trir	-0.17821	1.15E-07	1.53E-07
Mydgf	-0.26579	1.10E-07	1.47E-07
Chek2	-1.15101	1.10E-07	1.46E-07
Sdhb	-0.23313	1.02E-07	1.37E-07
Zik1	-1.90196	1.02E-07	1.36E-07
Dok6	-1.71004	1.02E-07	1.36E-07
Bag2	-0.70905	9.52E-08	1.27E-07
Shank2	-0.94312	9.24E-08	1.23E-07
Stk3	-0.36369	9.11E-08	1.22E-07
B3gnt9	-1.42673	8.61E-08	1.15E-07
Gm43260	-0.90006	8.51E-08	1.14E-07
Nfam1	-2.39596	8.41E-08	1.12E-07
Mcf2l	-0.19685	8.03E-08	1.07E-07
Atcay	-1.73883	7.38E-08	9.87E-08
Apmmap	-0.46147	6.91E-08	9.24E-08
St3gal4	-0.58256	6.87E-08	9.19E-08
Ap4s1	-0.24693	6.71E-08	8.98E-08
Traf7	-0.35492	6.05E-08	8.11E-08
Mrpl30	-0.23825	6.04E-08	8.09E-08
Map2k5	-0.52357	6.03E-08	8.09E-08
Slc1a4	-1.14475	5.95E-08	7.98E-08
Traf3ip2	-1.6729	5.75E-08	7.72E-08
Fam32a	-0.24029	5.22E-08	7.01E-08
Gm2115	-1.71194	5.18E-08	6.96E-08
Ranbp17	-1.84517	5.14E-08	6.91E-08
Sra1	-0.30714	4.86E-08	6.53E-08
Fgf12	-1.58205	4.86E-08	6.54E-08
Rnpep	-0.38609	4.74E-08	6.37E-08
Ppp2r1b	-1.02127	4.68E-08	6.29E-08
Usp24	-0.34994	4.67E-08	6.28E-08
Phf2	-0.29554	4.66E-08	6.26E-08
Rab27b	-0.74055	4.55E-08	6.12E-08

Echdc3	-2.03881	4.48E-08	6.03E-08
Smarca1	-0.98305	4.40E-08	5.93E-08
3830406C	-0.32286	4.06E-08	5.47E-08
9530097N	-1.44052	4.07E-08	5.48E-08
Acsl4	-0.48141	4.04E-08	5.44E-08
D430040D	-1.27866	3.99E-08	5.38E-08
Mindy2	-0.17775	3.93E-08	5.30E-08
Gm43843	-1.29032	3.93E-08	5.30E-08
Cope	-0.21862	3.60E-08	4.86E-08
Garnl3	-1.30354	3.61E-08	4.86E-08
Cdk15	-1.85643	3.58E-08	4.83E-08
Manbal	-0.35744	3.54E-08	4.78E-08
1010001B	-1.13034	3.47E-08	4.69E-08
Gm10925	-1.28658	3.44E-08	4.65E-08
Zmiz2	-0.35334	3.40E-08	4.58E-08
Tfap2b	-1.29993	3.40E-08	4.59E-08
Pvalb	-2.02842	3.37E-08	4.55E-08
Tmem35b	-0.87627	3.27E-08	4.42E-08
Cenpx	-0.26795	3.11E-08	4.20E-08
Ppt1	-0.29058	3.05E-08	4.12E-08
Dusp4	-1.95768	3.01E-08	4.07E-08
Abca3	-0.33469	2.97E-08	4.01E-08
Mageh1	-0.30792	2.93E-08	3.97E-08
Armxc6	-0.90018	2.88E-08	3.90E-08
Nxph4	-1.3648	2.83E-08	3.82E-08
Ryr2	-1.13254	2.82E-08	3.81E-08
Nudt19	-0.51669	2.79E-08	3.78E-08
Anks1b	-1.90747	2.74E-08	3.70E-08
Rac3	-1.15281	2.68E-08	3.62E-08
Fam72a	-1.15909	2.65E-08	3.59E-08
Ccs	-0.34293	2.55E-08	3.46E-08
Ppard	-0.31141	2.54E-08	3.44E-08
Dhx32	-0.45877	2.38E-08	3.22E-08
Lhx4	-0.92402	2.31E-08	3.14E-08
Gm42696	-1.67601	2.31E-08	3.13E-08
4933415A	-1.84918	2.25E-08	3.05E-08
Gmip	-1.03979	2.19E-08	2.98E-08
Ctf1	-0.9949	2.16E-08	2.93E-08
Gosr2	-0.36737	2.13E-08	2.89E-08
Nelfb	-0.33603	2.01E-08	2.73E-08
Cnksr3	-0.58207	1.98E-08	2.69E-08
Snrpn	-0.41515	1.96E-08	2.67E-08
Mypopos	-1.76089	1.85E-08	2.52E-08
Tmem219	-0.41401	1.80E-08	2.45E-08
Tcf25	-0.16474	1.78E-08	2.42E-08
Zfp948	-0.63029	1.78E-08	2.42E-08
Gabarapl2	-0.16342	1.76E-08	2.40E-08

H13	-0.28514	1.75E-08	2.38E-08
Krt222	-1.28447	1.66E-08	2.26E-08
Pxmp2	-0.74353	1.65E-08	2.24E-08
Zdhhc14	-0.76228	1.62E-08	2.21E-08
Calb1	-1.86214	1.61E-08	2.20E-08
Nacc1	-0.39604	1.60E-08	2.18E-08
Fermt3	-1.44821	1.59E-08	2.17E-08
Hs3st4	-2.06167	1.59E-08	2.16E-08
Sapcd1	-0.87573	1.52E-08	2.08E-08
Rhbdd1	-0.56987	1.49E-08	2.04E-08
Hpca	-1.85119	1.50E-08	2.04E-08
Ipo11	-0.48628	1.42E-08	1.94E-08
Gm16740	-1.12967	1.41E-08	1.92E-08
Grip2	-1.57872	1.40E-08	1.91E-08
O610009E1	-0.76748	1.38E-08	1.88E-08
Map3k1	-0.25068	1.36E-08	1.86E-08
Cox14	-0.21532	1.35E-08	1.84E-08
Echdc2	-1.68699	1.36E-08	1.85E-08
Prkag3	-2.12404	1.35E-08	1.85E-08
Washc3	-0.41968	1.32E-08	1.80E-08
mt-Td	-0.98619	1.32E-08	1.80E-08
Lta4h	-0.34569	1.31E-08	1.80E-08
Ttc39b	-0.41574	1.31E-08	1.80E-08
Rimbp2	-2.02408	1.32E-08	1.80E-08
Gm4332	-0.80249	1.28E-08	1.74E-08
Sppl3	-0.34273	1.25E-08	1.71E-08
Slc5a3	-0.54475	1.22E-08	1.68E-08
Rreb1	-0.35344	1.13E-08	1.55E-08
Psmc3	-0.30378	1.11E-08	1.52E-08
B930095G	-0.64074	1.10E-08	1.51E-08
Tmem94	-0.48744	1.07E-08	1.47E-08
Mfsd14a	-0.33884	1.07E-08	1.46E-08
Ggact	-0.44295	1.07E-08	1.46E-08
Gdpd3	-1.54294	1.07E-08	1.47E-08
Pex6	-0.47558	1.06E-08	1.45E-08
Bicra	-0.63588	1.02E-08	1.40E-08
H2ac24	-1.2995	9.63E-09	1.32E-08
Pag1	-0.71498	9.07E-09	1.24E-08
Smoc1	-2.03849	9.00E-09	1.24E-08
Clec2l	-1.94758	9.00E-09	1.24E-08
Gm41517	-1.67578	8.90E-09	1.22E-08
Gsto1	-1.01784	8.75E-09	1.20E-08
93301620	-1.65214	8.61E-09	1.18E-08
Atp6v1g1	-0.16629	8.25E-09	1.13E-08
Rab40b	-1.69769	7.92E-09	1.09E-08
Txnrd1	-0.3401	7.50E-09	1.03E-08
Ncf4	-3.57029	7.37E-09	1.01E-08

Hpgds	-1.48711	7.11E-09	9.78E-09
Gm42701	-1.10714	6.75E-09	9.30E-09
Gm49058	-1.80999	6.71E-09	9.24E-09
Apba1	-0.7986	6.64E-09	9.15E-09
Wwp2	-0.46254	6.38E-09	8.80E-09
Retsat	-0.82614	6.04E-09	8.33E-09
Sema5b	-1.51457	6.05E-09	8.35E-09
Rorc	-1.67731	5.72E-09	7.90E-09
Gm12097	-1.99251	5.68E-09	7.84E-09
Ly6g6d	-1.98665	5.29E-09	7.30E-09
Spaca6	-0.50126	5.22E-09	7.20E-09
Kcnn2	-2.12412	5.19E-09	7.17E-09
Proca1	-1.87442	4.96E-09	6.85E-09
Cdr1os	-0.50474	4.88E-09	6.74E-09
Gm42702	-0.78041	4.80E-09	6.63E-09
A930005H	-0.41317	4.63E-09	6.41E-09
Gm17971	-1.96486	4.60E-09	6.37E-09
Nova1	-1.44481	4.43E-09	6.13E-09
Tmem178l	-1.17539	4.32E-09	5.98E-09
Pacs1	-0.3884	4.28E-09	5.93E-09
Strip2	-1.10377	4.29E-09	5.94E-09
Ssrp1	-0.26484	4.21E-09	5.83E-09
Fbxw8	-0.501	4.16E-09	5.76E-09
Rap1gap2	-1.77227	4.06E-09	5.63E-09
Ahdcd1	-0.45935	4.03E-09	5.58E-09
Crygb	-1.00089	4.01E-09	5.56E-09
Cibar1	-0.366	3.94E-09	5.46E-09
Herpud2	-0.31265	3.64E-09	5.05E-09
Fbxw11	-0.34575	3.51E-09	4.87E-09
Galnt13	-0.59662	3.51E-09	4.86E-09
Smc2	-0.71085	3.37E-09	4.67E-09
Fam20b	-0.45009	3.36E-09	4.67E-09
Tmem30a	-0.18637	3.35E-09	4.66E-09
Tenm4	-0.95652	3.31E-09	4.60E-09
Bckdhd1	-1.1465	3.18E-09	4.41E-09
Odad1	-1.82124	3.17E-09	4.41E-09
Psmb7	-0.24695	3.13E-09	4.36E-09
Cited1	-1.52437	3.14E-09	4.36E-09
Arhgef1	-0.27981	3.06E-09	4.25E-09
Cryaa	-0.87272	2.97E-09	4.13E-09
Six4	-1.50856	2.96E-09	4.11E-09
Crybb2	-0.67848	2.86E-09	3.97E-09
Fam155a	-2.01356	2.85E-09	3.96E-09
Fmnl1	-2.75209	2.78E-09	3.87E-09
Etfa	-0.32524	2.69E-09	3.75E-09
Chmp4b	-0.21125	2.69E-09	3.75E-09
Mif	-0.17531	2.64E-09	3.68E-09

FblI1	-1.99057	2.64E-09	3.68E-09
Exosc5	-0.45925	2.56E-09	3.57E-09
Vsx1	-2.09881	2.53E-09	3.53E-09
2610012C	-2.07901	2.51E-09	3.49E-09
Uqcr10	-0.16468	2.44E-09	3.40E-09
Arhgef16	-1.91923	2.38E-09	3.32E-09
mt-Tn	-0.94904	2.35E-09	3.28E-09
Rep15	-1.36567	2.24E-09	3.13E-09
Gm9812	-1.80366	2.22E-09	3.10E-09
Ptpn6	-2.58094	2.21E-09	3.09E-09
Ociad2	-1.62272	2.19E-09	3.06E-09
Gm47479	-1.22619	2.15E-09	3.01E-09
Nus1	-0.32976	1.97E-09	2.75E-09
Atp8a1	-0.27266	1.90E-09	2.66E-09
Eif3m	-0.2361	1.87E-09	2.62E-09
Mark4	-0.45611	1.84E-09	2.57E-09
A230057D	-1.15561	1.83E-09	2.56E-09
Ttr	-1.7355	1.82E-09	2.54E-09
Gm43259	-1.01681	1.79E-09	2.51E-09
Usp22	-0.34884	1.78E-09	2.48E-09
Psd2	-2.37215	1.79E-09	2.50E-09
Mylk	-0.27337	1.74E-09	2.44E-09
Etfbkmt	-1.662	1.70E-09	2.39E-09
Abhd11os	-1.72999	1.63E-09	2.28E-09
Aamp	-0.25366	1.57E-09	2.20E-09
Lrch3	-0.31905	1.50E-09	2.11E-09
H2-Eb1	-2.90866	1.49E-09	2.09E-09
Zxdb	-0.59158	1.38E-09	1.94E-09
Hps1	-1.36236	1.36E-09	1.91E-09
Cartpt	-1.73526	1.35E-09	1.90E-09
Foxp4	-1.04789	1.33E-09	1.86E-09
Suox	-0.987	1.30E-09	1.82E-09
Prkcq	-1.88887	1.27E-09	1.78E-09
Rhno1	-0.75878	1.23E-09	1.73E-09
Taldo1	-0.20656	1.22E-09	1.72E-09
Nipal3	-0.43779	1.17E-09	1.65E-09
Cacnb1	-2.33718	1.17E-09	1.64E-09
Foxo4	-0.67984	1.15E-09	1.62E-09
Stk38	-0.24097	1.14E-09	1.61E-09
Chic2	-0.29955	1.13E-09	1.59E-09
Ap3s1	-0.24958	1.07E-09	1.50E-09
Slc35a4	-0.4288	1.06E-09	1.49E-09
Ppp1r18	-0.4014	1.03E-09	1.45E-09
Reps2	-2.03493	1.03E-09	1.45E-09
Park7	-0.17122	1.01E-09	1.43E-09
Larp1b	-0.52743	9.93E-10	1.40E-09
6330403LC	-1.36277	9.73E-10	1.37E-09

Zfp358	-0.46144	9.35E-10	1.32E-09
Clint1	-0.32928	9.01E-10	1.27E-09
Shkbp1	-0.69997	8.93E-10	1.26E-09
Fscn1	-0.76799	8.92E-10	1.26E-09
Hunk	-1.31156	8.90E-10	1.26E-09
Cbarp	-1.07136	8.79E-10	1.24E-09
Septin2-1	-0.73967	8.64E-10	1.22E-09
Kcnd3	-2.24752	8.23E-10	1.16E-09
Rin1	-1.53193	8.10E-10	1.14E-09
Prdm11	-1.9564	7.94E-10	1.12E-09
Cox17	-0.23461	7.73E-10	1.09E-09
Dohh	-0.42727	7.67E-10	1.08E-09
Focad	-0.90161	7.47E-10	1.06E-09
Dlg5	-0.65525	7.25E-10	1.03E-09
Crygs	-1.23486	7.25E-10	1.03E-09
Slc35d1	-0.65681	7.14E-10	1.01E-09
Tcea2	-1.57612	7.12E-10	1.01E-09
Wdr83os	-0.27633	6.92E-10	9.79E-10
Pebp1	-0.17633	6.31E-10	8.93E-10
Zfp277	-0.56502	6.23E-10	8.82E-10
Gm43305	-1.12507	5.95E-10	8.43E-10
Rtl5	-1.9188	5.88E-10	8.32E-10
Lmf1	-0.84854	5.76E-10	8.17E-10
1500009C1	-2.22168	5.79E-10	8.20E-10
Xylt2	-0.78976	5.40E-10	7.65E-10
Rbl1	-0.75717	5.20E-10	7.37E-10
Mus81	-0.80944	5.17E-10	7.33E-10
Srm	-0.70865	5.07E-10	7.19E-10
Lage3	-0.36028	5.01E-10	7.10E-10
Kctd20	-0.38534	4.86E-10	6.90E-10
Scyl1	-0.44622	4.85E-10	6.88E-10
Rpl36a-ps2	-1.43604	4.82E-10	6.84E-10
Rps6-ps4	-0.72247	4.69E-10	6.67E-10
Hsd12	-0.43093	4.66E-10	6.62E-10
Ptpn13	-0.80929	4.36E-10	6.20E-10
Mfsd4a	-0.5275	3.99E-10	5.67E-10
Fam219a	-0.55926	3.80E-10	5.40E-10
4930594V	-1.35613	3.63E-10	5.17E-10
Fam126a	-0.50227	3.49E-10	4.98E-10
Wscd2	-1.61052	3.39E-10	4.83E-10
Dnajc1	-0.27921	3.31E-10	4.71E-10
Sort1	-0.34301	3.22E-10	4.59E-10
Gm43258	-1.64406	3.16E-10	4.50E-10
Atg4a	-0.71045	2.96E-10	4.23E-10
Disp1	-1.38485	2.96E-10	4.22E-10
Lactb	-0.41913	2.90E-10	4.14E-10
Cog7	-0.39132	2.88E-10	4.12E-10

Rabl6	-0.37281	2.85E-10	4.08E-10
Paics	-0.32461	2.74E-10	3.92E-10
C4b	-2.17039	2.78E-10	3.96E-10
Lamtor2	-0.22709	2.66E-10	3.81E-10
9630001P	-2.2283	2.70E-10	3.86E-10
Saraf	-0.23806	2.64E-10	3.77E-10
Atp6v0a2	-0.40621	2.61E-10	3.74E-10
Smim15	-0.32358	2.59E-10	3.70E-10
Nexn	-1.38793	2.55E-10	3.64E-10
Metap2	-0.20743	2.38E-10	3.41E-10
Trhde	-1.47458	2.38E-10	3.41E-10
Xk	-1.90137	2.34E-10	3.35E-10
Mfsd6	-0.43753	2.27E-10	3.25E-10
Arhgap15	-2.70796	2.15E-10	3.08E-10
Cryba1	-1.4422	2.03E-10	2.92E-10
Dpp6	-1.65599	1.89E-10	2.71E-10
Dad1	-0.18803	1.79E-10	2.57E-10
Sh3rf3	-2.60026	1.81E-10	2.60E-10
Gm9800	-0.94061	1.78E-10	2.55E-10
Tfrc	-0.25791	1.77E-10	2.54E-10
Pipox	-2.43	1.77E-10	2.54E-10
Ndp	-2.19861	1.76E-10	2.53E-10
Mrpl35	-0.43114	1.71E-10	2.46E-10
Samsn1	-0.81659	1.63E-10	2.34E-10
Sugct	-1.46321	1.57E-10	2.26E-10
Gm19195	-1.39479	1.55E-10	2.22E-10
Pax6os1	-1.42614	1.46E-10	2.10E-10
Socs1	-1.28336	1.43E-10	2.06E-10
BC029722	-0.44967	1.43E-10	2.05E-10
Tmem175	-0.83763	1.43E-10	2.06E-10
F730043M	-2.03461	1.40E-10	2.01E-10
Nat8f1	-0.5605	1.36E-10	1.96E-10
Pygo1	-1.10404	1.28E-10	1.84E-10
Meis3	-1.31955	1.26E-10	1.81E-10
Gpr157	-1.50548	1.23E-10	1.78E-10
Zfp69	-1.14557	1.23E-10	1.77E-10
Id4	-1.52867	1.22E-10	1.77E-10
Acot6	-2.00802	1.20E-10	1.73E-10
Rtn3	-0.18868	1.13E-10	1.63E-10
Tomm34	-0.48781	1.11E-10	1.61E-10
Gm43430	-1.64086	1.02E-10	1.47E-10
Kcnip4	-1.89185	1.02E-10	1.48E-10
Ttf2	-1.62849	1.01E-10	1.45E-10
Zfp664	-0.27797	9.56E-11	1.38E-10
Pcdhb9	-2.58986	9.50E-11	1.37E-10
Gnpda2	-0.37054	9.27E-11	1.34E-10
Bin3	-0.65642	9.20E-11	1.33E-10

Met	-2.51344	8.77E-11	1.27E-10
Otulinl	-1.82967	8.65E-11	1.25E-10
Snu13	-0.2393	8.48E-11	1.23E-10
Nrxn1	-1.76403	7.99E-11	1.16E-10
Arvcf	-0.62853	7.83E-11	1.13E-10
Faap20	-0.50859	7.62E-11	1.10E-10
Gm17634	-2.25158	7.61E-11	1.10E-10
Cdh20	-1.726	7.04E-11	1.02E-10
Asap3	-1.02567	6.82E-11	9.89E-11
Tnfrsf12a	-0.53912	6.54E-11	9.49E-11
Dennd4c	-0.39446	6.36E-11	9.23E-11
Kctd11	-1.05362	6.29E-11	9.13E-11
Mir670hg	-1.53968	6.21E-11	9.01E-11
Nhs	-0.78067	6.15E-11	8.93E-11
Nr1h4	-2.55467	6.15E-11	8.93E-11
Mgat2	-0.37297	5.99E-11	8.69E-11
Hif3a	-2.32006	5.86E-11	8.52E-11
Prss56	-2.18072	5.80E-11	8.43E-11
Gm43712	-1.75405	5.71E-11	8.30E-11
Mrps18c	-0.32372	5.61E-11	8.16E-11
Ptprc	-2.57013	5.49E-11	7.97E-11
Rps6ka5	-0.51213	4.92E-11	7.16E-11
Serp1	-0.35053	4.90E-11	7.14E-11
Psma2	-0.21948	4.69E-11	6.82E-11
Nkap	-0.37918	4.54E-11	6.61E-11
Slc17a8	-2.29926	4.56E-11	6.64E-11
Nipal2	-1.28088	4.47E-11	6.52E-11
Pdyn	-2.43455	4.49E-11	6.53E-11
Dennd11	-0.80935	4.41E-11	6.42E-11
Prxl2c	-0.31755	4.36E-11	6.35E-11
Il18	-1.05375	4.38E-11	6.38E-11
Mrfap1	-0.18729	4.22E-11	6.15E-11
Fbxo10	-1.03605	3.87E-11	5.64E-11
Nagk	-0.55748	3.54E-11	5.17E-11
Psph	-0.48884	3.50E-11	5.11E-11
Vars	-0.65151	3.47E-11	5.06E-11
Tff2	-2.45628	3.32E-11	4.84E-11
Gm26759	-1.31709	3.19E-11	4.66E-11
Rybp	-0.34111	3.16E-11	4.62E-11
Hps6	-1.22189	3.18E-11	4.64E-11
Slc47a2	-1.89729	3.14E-11	4.59E-11
Rac2	-3.42289	3.07E-11	4.49E-11
Stt3b	-0.3145	2.97E-11	4.34E-11
Actr3	-0.26179	2.84E-11	4.16E-11
Grin2b	-2.31065	2.83E-11	4.14E-11
Clca3a1	-2.33903	2.66E-11	3.89E-11
Xpnpep1	-0.52185	2.53E-11	3.70E-11

Chst1	-2.10995	2.46E-11	3.60E-11
Taok2	-0.36612	2.38E-11	3.49E-11
Fxyd3	-2.39167	2.40E-11	3.51E-11
Adi1	-0.65046	2.32E-11	3.40E-11
Pja2	-0.25445	2.30E-11	3.37E-11
Klf16	-0.79316	2.19E-11	3.21E-11
Hes5	-0.7693	2.20E-11	3.23E-11
1700003F	-2.69049	2.23E-11	3.27E-11
Flot1	-0.41289	2.18E-11	3.20E-11
Jade2	-0.50124	2.10E-11	3.09E-11
St6galnac6	-0.58748	2.09E-11	3.06E-11
Tubg2	-1.91143	2.07E-11	3.03E-11
Lingo1	-2.46408	2.02E-11	2.97E-11
Sowaha	-1.34737	1.99E-11	2.92E-11
Ccl6	-2.95236	1.98E-11	2.91E-11
Znrf2	-0.44192	1.71E-11	2.51E-11
Gm31105	-1.81006	1.69E-11	2.49E-11
Gm45605	-1.67876	1.61E-11	2.37E-11
Gm37780	-1.82234	1.54E-11	2.26E-11
St3gal3	-1.18901	1.50E-11	2.20E-11
Slc35a1	-0.46985	1.46E-11	2.15E-11
Cntnap1	-1.80874	1.46E-11	2.16E-11
Fkbp14	-0.83084	1.44E-11	2.12E-11
Jakmip1	-1.78249	1.44E-11	2.12E-11
Pcdhb17	-0.9206	1.37E-11	2.02E-11
Hs1bp3	-0.97399	1.33E-11	1.96E-11
Reln	-1.79297	1.22E-11	1.80E-11
Cacnb3	-1.32053	1.19E-11	1.75E-11
Erp29	-0.28092	1.18E-11	1.74E-11
Scpep1	-0.68975	1.14E-11	1.68E-11
Gm8624	-0.9124	9.22E-12	1.36E-11
Mapk14	-0.44804	8.94E-12	1.32E-11
Arfip1	-0.52093	8.95E-12	1.33E-11
Drd2	-1.97281	8.79E-12	1.30E-11
Kirrel3	-2.55036	8.75E-12	1.30E-11
Snd1	-0.61181	8.43E-12	1.25E-11
Pak1ip1	-0.31197	8.18E-12	1.21E-11
Hddc2	-0.61518	8.19E-12	1.21E-11
Sphk1	-2.33451	8.25E-12	1.22E-11
Ap2s1	-0.29581	7.88E-12	1.17E-11
Nek8	-1.77716	7.57E-12	1.12E-11
Ina	-1.32727	7.40E-12	1.10E-11
Tagln3	-0.86808	7.34E-12	1.09E-11
Mmp16	-2.40755	7.31E-12	1.09E-11
Gm12607	-2.20738	7.07E-12	1.05E-11
Ttpal	-0.77366	6.56E-12	9.74E-12
Dock2	-5.05053	6.30E-12	9.37E-12

Slc25a15	-1.46093	6.18E-12	9.18E-12
Nnat	-1.06352	6.10E-12	9.07E-12
Bend4	-1.89825	6.01E-12	8.94E-12
Pknx2	-2.16253	5.82E-12	8.65E-12
Stx8	-0.41804	5.70E-12	8.48E-12
Ubash3b	-2.07316	5.76E-12	8.56E-12
Mgrn1	-0.46436	5.07E-12	7.55E-12
Aph1b	-0.76772	5.06E-12	7.53E-12
Hdac11	-0.88921	5.06E-12	7.53E-12
Cmc1	-0.50638	4.91E-12	7.31E-12
Tcn2	-0.37319	4.67E-12	6.95E-12
Dnajb5	-0.97584	4.64E-12	6.91E-12
Parp4	-0.42833	4.45E-12	6.63E-12
Btbd11	-2.40094	4.19E-12	6.25E-12
Rasl10a	-2.27836	4.05E-12	6.04E-12
Sptssb	-1.67356	4.02E-12	6.00E-12
Plxnc1	-1.22381	3.85E-12	5.75E-12
Gm5292	-0.90419	3.75E-12	5.60E-12
Fndc5	-1.68997	3.65E-12	5.45E-12
Psmc2	-0.30269	3.58E-12	5.35E-12
mt-Ts2	-1.18568	3.58E-12	5.35E-12
Fbh1	-0.57809	3.50E-12	5.23E-12
Czib	-0.41429	3.27E-12	4.90E-12
Cntrl	-0.56938	3.24E-12	4.85E-12
Tlcd1	-1.67555	3.27E-12	4.89E-12
Eif5a2	-0.89357	3.17E-12	4.74E-12
Cd68	-2.25487	3.07E-12	4.60E-12
Ndufb7	-0.19825	2.77E-12	4.15E-12
Tceal3	-0.63491	2.77E-12	4.15E-12
Ndufc2	-0.20573	2.48E-12	3.72E-12
Lrfr4	-1.5062	2.46E-12	3.69E-12
Aass	-1.83385	2.22E-12	3.33E-12
Gm34455	-1.30939	2.19E-12	3.29E-12
Fat3	-1.79133	2.13E-12	3.20E-12
Obsl1	-2.01122	2.14E-12	3.22E-12
Ssh3	-1.96913	2.12E-12	3.19E-12
Gpr137b-p	-0.89429	2.10E-12	3.15E-12
Bmp2k	-0.52102	2.00E-12	3.01E-12
Slc6a17	-2.3898	1.88E-12	2.83E-12
Ndst1	-0.33405	1.81E-12	2.73E-12
Loxl1	-2.8477	1.82E-12	2.73E-12
Fbn1	-2.33165	1.73E-12	2.61E-12
Cryz	-0.88127	1.69E-12	2.55E-12
Gfod2	-0.77195	1.68E-12	2.52E-12
Calb2	-1.50561	1.67E-12	2.51E-12
Rpl38-ps2	-1.2523	1.64E-12	2.47E-12
Frrs1l	-1.9074	1.64E-12	2.47E-12

Ehhadh	-2.59815	1.64E-12	2.47E-12
Dpyd	-1.90962	1.61E-12	2.43E-12
Snapc5	-0.36746	1.58E-12	2.37E-12
Cks1b	-1.42858	1.59E-12	2.39E-12
Hepacam	-2.16836	1.57E-12	2.37E-12
Odr4	-0.40842	1.51E-12	2.27E-12
Gpd1l	-0.66126	1.48E-12	2.24E-12
Txndc12	-0.48513	1.36E-12	2.06E-12
Apba2	-1.67385	1.30E-12	1.97E-12
Eef1g	-0.21165	1.27E-12	1.92E-12
Dmtn	-2.10682	1.26E-12	1.90E-12
Chmp2a	-0.21693	1.15E-12	1.74E-12
Arhgef19	-2.01131	1.09E-12	1.65E-12
Gm19426	-2.03482	1.07E-12	1.62E-12
Rb1	-0.39205	1.04E-12	1.58E-12
Anks1	-0.40393	1.04E-12	1.57E-12
Tenm2	-2.32357	1.05E-12	1.59E-12
Brip1os	-0.77835	1.02E-12	1.55E-12
Bfsp2	-2.83661	1.05E-12	1.59E-12
Irf5	-2.72229	9.64E-13	1.46E-12
Kdelr3	-2.18383	9.01E-13	1.36E-12
Etv6	-0.56372	8.48E-13	1.28E-12
Eci1	-0.38892	8.33E-13	1.26E-12
Wars	-0.49685	8.27E-13	1.25E-12
Ap2a1	-0.40327	7.72E-13	1.17E-12
Zfp827	-1.43105	7.72E-13	1.17E-12
Mob3a	-0.92564	7.54E-13	1.14E-12
Calm2	-0.18798	7.33E-13	1.11E-12
Stat2	-0.47512	7.25E-13	1.10E-12
Nwd1	-2.07203	7.37E-13	1.12E-12
Polr2f	-0.28998	7.17E-13	1.09E-12
Spg21	-0.48041	7.16E-13	1.09E-12
Tvp23b	-0.38778	7.09E-13	1.08E-12
Ppp1cb	-0.25104	6.93E-13	1.05E-12
Pdgfc	-2.32713	6.82E-13	1.04E-12
Slit2	-1.89793	6.66E-13	1.01E-12
Ubtd2	-1.74127	6.56E-13	9.97E-13
Atg7	-0.87663	6.27E-13	9.53E-13
Atxn7l3	-0.50802	6.13E-13	9.32E-13
Slc2a3	-1.54491	5.54E-13	8.43E-13
Mpp3	-2.30227	5.45E-13	8.29E-13
1110046JC	-1.59876	5.38E-13	8.19E-13
mt-Tm	-1.09594	4.86E-13	7.41E-13
Elmo2	-0.51181	4.27E-13	6.50E-13
Sema4a	-2.47707	4.28E-13	6.52E-13
2610001JC	-0.38024	4.15E-13	6.33E-13
Ell2	-0.75233	4.12E-13	6.28E-13

Ccl3	-3.19419	4.13E-13	6.30E-13
Sdsl	-1.87059	4.06E-13	6.19E-13
Pusl1	-1.30299	3.94E-13	6.01E-13
Tmem179l	-0.5973	3.88E-13	5.92E-13
Tspyl3	-2.87063	3.52E-13	5.38E-13
Ints6l	-0.57093	3.38E-13	5.16E-13
Tle2	-0.9766	3.37E-13	5.16E-13
Rad54b	-0.77198	3.37E-13	5.15E-13
Pde9a	-2.60561	3.36E-13	5.14E-13
Casp7	-0.65356	3.21E-13	4.90E-13
Card6	-1.48234	2.99E-13	4.57E-13
Npas3	-1.79936	2.90E-13	4.44E-13
Twf1	-0.40389	2.74E-13	4.19E-13
Derl1	-0.41481	2.72E-13	4.16E-13
Nol4	-2.16915	2.75E-13	4.20E-13
mt-Tp	-1.38668	2.63E-13	4.02E-13
Crmp1	-1.47611	2.42E-13	3.70E-13
Ggh	-0.43679	2.29E-13	3.51E-13
Marchf3	-2.45524	2.34E-13	3.59E-13
Vit	-2.24523	2.25E-13	3.46E-13
Fbxo7	-0.55834	2.20E-13	3.37E-13
E030030I0	-1.50796	2.20E-13	3.38E-13
Cct7	-0.26016	2.15E-13	3.30E-13
Unc119b	-0.44257	2.14E-13	3.29E-13
Agpat1	-0.59531	2.13E-13	3.26E-13
Agap2	-2.19162	2.06E-13	3.16E-13
Slc48a1	-0.42907	1.90E-13	2.91E-13
Tnik	-1.0834	1.88E-13	2.89E-13
Ttc12	-1.19113	1.86E-13	2.86E-13
Cd59b	-2.61627	1.80E-13	2.78E-13
Scube2	-1.0861	1.75E-13	2.69E-13
Atxn10	-0.41359	1.69E-13	2.60E-13
Eaf1	-0.63549	1.62E-13	2.49E-13
Macroh2a1	-1.34458	1.62E-13	2.50E-13
Ube2l3	-0.29041	1.59E-13	2.44E-13
Deptor	-0.83999	1.60E-13	2.46E-13
Nlgn3	-1.50593	1.57E-13	2.42E-13
Diaph1	-0.35288	1.46E-13	2.25E-13
Pou3f2	-2.59443	1.50E-13	2.31E-13
Cryba2	-1.67037	1.49E-13	2.30E-13
Gm10605	-2.71451	1.43E-13	2.20E-13
Mrps24	-0.29175	1.33E-13	2.05E-13
A730046J1	-2.76604	1.29E-13	1.99E-13
Kcnh2	-1.88884	1.26E-13	1.95E-13
Rgr	-2.53672	1.26E-13	1.95E-13
Hikeshi	-0.44397	1.16E-13	1.79E-13
Fah	-1.52863	1.17E-13	1.81E-13

Aldh3b1	-1.53767	1.09E-13	1.69E-13
Lrrc66	-1.99778	1.02E-13	1.58E-13
Ikbkb	-0.3795	9.95E-14	1.54E-13
Lsm10	-0.6941	9.85E-14	1.53E-13
Pcgf3	-0.59022	9.23E-14	1.43E-13
Ccdc122	-1.9365	9.41E-14	1.46E-13
Rpl10-ps3	-1.46782	9.34E-14	1.45E-13
Eif1	-0.13789	8.97E-14	1.39E-13
2610027Kl	-2.59092	9.29E-14	1.44E-13
Gm9925	-2.19797	9.08E-14	1.41E-13
Dip2a	-0.66255	8.21E-14	1.27E-13
Sema3b	-2.38733	8.40E-14	1.30E-13
Tlcd3a	-0.8826	7.93E-14	1.23E-13
Csdc2	-1.48491	7.90E-14	1.23E-13
Ankrd13d	-2.05962	7.76E-14	1.21E-13
Pnmal1	-1.82665	7.48E-14	1.16E-13
Nradd	-1.74225	7.39E-14	1.15E-13
Chmp1a	-0.50437	7.04E-14	1.09E-13
Tnr	-2.08413	7.02E-14	1.09E-13
Capn12	-2.43561	6.49E-14	1.01E-13
Gm43794	-1.03368	6.10E-14	9.49E-14
Dach2	-2.45161	5.47E-14	8.51E-14
Tceal6	-2.13457	4.95E-14	7.71E-14
Smarca2	-0.25937	4.77E-14	7.43E-14
Itgb2	-3.37059	4.93E-14	7.68E-14
Ncs1	-1.71517	4.65E-14	7.25E-14
Kctd8	-2.65431	4.70E-14	7.33E-14
Sema4g	-2.24847	4.39E-14	6.84E-14
Zc3h12a	-1.73968	4.03E-14	6.28E-14
A830019Pi	-1.56564	3.95E-14	6.16E-14
mt-Nd4l	-1.00647	3.89E-14	6.07E-14
Zdhhc8	-0.62088	3.65E-14	5.70E-14
Sec62	-0.185	3.29E-14	5.14E-14
Spi1	-3.60373	3.40E-14	5.32E-14
Ric8a	-0.54431	2.86E-14	4.47E-14
Hras	-0.3692	2.79E-14	4.37E-14
Rps10-ps2	-1.03117	2.81E-14	4.39E-14
Numa1	-0.325	2.69E-14	4.22E-14
Znrf3	-0.71712	2.70E-14	4.22E-14
Gmfg	-3.33588	2.70E-14	4.22E-14
Grik1	-2.0726	2.64E-14	4.13E-14
Dnajc8	-0.2524	2.54E-14	3.98E-14
Becn1	-0.41208	2.36E-14	3.70E-14
Kcnj9	-1.98675	2.39E-14	3.74E-14
Ebf4	-2.4895	2.31E-14	3.63E-14
Rasa3	-1.41641	2.11E-14	3.31E-14
Sgce	-0.62911	2.00E-14	3.13E-14

Ncf1	-3.87867	2.00E-14	3.13E-14
Rnf180	-2.57339	1.91E-14	3.00E-14
Pcdhb7	-2.28715	1.86E-14	2.92E-14
Fkbp8	-0.29401	1.78E-14	2.79E-14
Thy1	-2.04055	1.80E-14	2.83E-14
Amfr	-0.34664	1.68E-14	2.64E-14
Astn1	-2.03468	1.67E-14	2.63E-14
Septin3	-1.39263	1.64E-14	2.59E-14
Tsen34	-0.35069	1.62E-14	2.55E-14
Lonrf2	-1.78538	1.51E-14	2.38E-14
0610010K	-0.52677	1.45E-14	2.28E-14
Akt2	-0.59034	1.41E-14	2.21E-14
Rnf13	-0.37221	1.39E-14	2.19E-14
Gm42597	-2.56122	1.38E-14	2.17E-14
Plekha3	-0.47172	1.34E-14	2.11E-14
1810058I2	-0.35956	1.25E-14	1.97E-14
Slc7a11	-2.29715	1.25E-14	1.97E-14
Tbl1x	-0.31095	1.21E-14	1.91E-14
Slc13a5	-2.99827	1.25E-14	1.97E-14
Pcx	-1.36305	1.22E-14	1.92E-14
Wbp1l	-0.49144	1.16E-14	1.82E-14
Tnnt1	-1.62974	1.13E-14	1.79E-14
Celsr2	-0.86755	1.08E-14	1.71E-14
Kctd2	-0.43205	1.06E-14	1.67E-14
Anapc11	-0.31828	1.05E-14	1.66E-14
Camk2n1	-0.26697	9.95E-15	1.57E-14
Abca6	-1.94778	1.01E-14	1.59E-14
Rgs13	-1.97882	9.72E-15	1.54E-14
Nxt2	-0.72654	8.56E-15	1.35E-14
Naglu	-1.068	8.29E-15	1.31E-14
Rph3a	-1.28493	7.98E-15	1.26E-14
Nptxr	-2.01732	8.02E-15	1.27E-14
Hspa1b	-0.37739	7.73E-15	1.22E-14
Cxcr4	-3.35801	7.57E-15	1.20E-14
Arrdc2	-1.03737	7.29E-15	1.15E-14
Zfpm2	-2.16527	7.15E-15	1.13E-14
Trp53i13	-0.77965	6.79E-15	1.08E-14
Zdhhc4	-0.64484	6.74E-15	1.07E-14
Bhlhe23	-2.40251	6.61E-15	1.05E-14
mt-Tv	-1.11831	6.27E-15	9.95E-15
Rnf182	-2.36961	6.28E-15	9.96E-15
Tspan5	-0.263	6.09E-15	9.67E-15
Cebpg	-0.34646	5.94E-15	9.42E-15
Caly	-1.58235	5.93E-15	9.41E-15
Mettl27	-1.73295	5.68E-15	9.02E-15
C230037L	-2.40018	5.68E-15	9.02E-15
Spcs3	-0.56459	5.21E-15	8.27E-15

Scg2	-0.99924	5.10E-15	8.10E-15
C230086JC	-2.82033	5.14E-15	8.16E-15
Eif4h	-0.27147	4.53E-15	7.21E-15
Scn2a	-2.50277	4.29E-15	6.83E-15
Eif1ax	-0.35201	4.08E-15	6.50E-15
Il17d	-2.37718	4.21E-15	6.70E-15
Aldh5a1	-1.07639	4.09E-15	6.50E-15
C1qtnf12	-0.77039	4.06E-15	6.46E-15
Hnmt	-2.31223	4.15E-15	6.60E-15
Cept1	-0.47535	3.96E-15	6.31E-15
Slc4a2	-0.65495	3.95E-15	6.29E-15
Dpy19l1	-0.50128	3.85E-15	6.13E-15
Slc43a3	-2.73173	3.82E-15	6.08E-15
Gatad1	-0.3661	3.70E-15	5.90E-15
Polr2e	-0.29197	3.54E-15	5.64E-15
Myt1l	-2.3042	3.54E-15	5.64E-15
Stac2	-1.6253	3.48E-15	5.56E-15
Fam219b	-0.56501	3.30E-15	5.27E-15
Nrbp1	-0.3445	3.28E-15	5.24E-15
Crybb1	-2.25456	3.40E-15	5.42E-15
Syn2	-2.81285	3.27E-15	5.22E-15
Tprn	-1.36843	3.19E-15	5.09E-15
Dhrs7	-0.3674	2.99E-15	4.77E-15
Tmem220	-2.11957	3.01E-15	4.80E-15
Rab5b	-0.38635	2.85E-15	4.56E-15
Nxpe3	-2.66586	2.62E-15	4.19E-15
Erich5	-2.55367	2.64E-15	4.22E-15
Gm43795	-1.20306	2.57E-15	4.11E-15
Tent5c	-3.92498	2.58E-15	4.13E-15
Col9a2	-2.95611	2.52E-15	4.04E-15
Slc6a8	-0.72822	2.43E-15	3.89E-15
Fcf1	-0.55974	2.42E-15	3.87E-15
Ctbs	-0.82999	2.26E-15	3.62E-15
Med12l	-1.65208	2.12E-15	3.39E-15
Apbb1ip	-4.1091	2.13E-15	3.42E-15
Trerf1	-1.03009	1.80E-15	2.89E-15
Pnck	-2.35826	1.82E-15	2.91E-15
Gm9794	-0.77609	1.65E-15	2.65E-15
Nme1	-0.34783	1.61E-15	2.59E-15
Snx18	-0.4578	1.57E-15	2.53E-15
Krt1	-1.32747	1.58E-15	2.54E-15
Nrcam	-0.72728	1.53E-15	2.45E-15
Klf15	-1.46181	1.43E-15	2.30E-15
Tfap4	-1.43441	1.28E-15	2.06E-15
Rsph9	-2.05096	1.29E-15	2.08E-15
Cpxm1	-1.67438	1.28E-15	2.06E-15
Tmem41a	-1.24141	1.21E-15	1.95E-15

Snx5	-0.4177	1.18E-15	1.90E-15
Rtkn	-3.19685	1.21E-15	1.95E-15
Gemin7	-0.38594	1.15E-15	1.85E-15
Gm32618	-1.26644	1.13E-15	1.83E-15
Col5a1	-3.04369	1.14E-15	1.83E-15
Tirap	-0.6695	1.07E-15	1.72E-15
Fam117a	-1.96015	1.07E-15	1.73E-15
Adamts18	-1.89697	1.01E-15	1.63E-15
Bola2	-0.38953	9.73E-16	1.57E-15
Aldh6a1	-0.62522	9.68E-16	1.56E-15
Gm43792	-1.31201	9.68E-16	1.56E-15
Arhgef25	-0.65282	8.60E-16	1.39E-15
Cox7c	-0.20147	8.46E-16	1.37E-15
Cryl1	-1.73325	8.43E-16	1.36E-15
Mboat1	-2.24312	8.30E-16	1.34E-15
Lsp1	-3.0009	8.42E-16	1.36E-15
Pisd	-0.59973	7.82E-16	1.26E-15
Mmp11	-1.83018	7.96E-16	1.29E-15
Atxn7l1	-0.94369	7.47E-16	1.21E-15
Nop10	-0.301	7.33E-16	1.19E-15
Emc3	-0.39187	7.12E-16	1.15E-15
Aspscr1	-0.59891	6.58E-16	1.06E-15
Lrrc49	-0.44328	6.33E-16	1.03E-15
Insyn2a	-2.43244	5.61E-16	9.09E-16
mt-Ta	-1.1439	5.52E-16	8.95E-16
Immp2l	-0.87719	5.08E-16	8.24E-16
Smapi	-0.29113	4.38E-16	7.11E-16
Gm42440	-3.53614	4.49E-16	7.29E-16
Bahd1	-0.97314	4.30E-16	6.98E-16
Tbc1d15	-0.47401	4.21E-16	6.85E-16
Rbbp8	-0.92131	4.14E-16	6.73E-16
Ap1g2	-2.79685	4.18E-16	6.80E-16
Bcorl1	-0.81318	3.96E-16	6.44E-16
Tmem250	-0.66484	3.83E-16	6.24E-16
Zc3hav1l	-2.64668	3.82E-16	6.22E-16
Ndufa8	-0.28609	3.56E-16	5.80E-16
H2-Aa	-3.16511	3.75E-16	6.10E-16
Slc29a4	-1.88489	3.55E-16	5.78E-16
Gm45222	-1.37757	3.46E-16	5.63E-16
Itga2b	-1.8727	3.38E-16	5.51E-16
Cd53	-4.02087	3.47E-16	5.66E-16
Rab3c	-1.82376	3.36E-16	5.48E-16
St18	-2.34244	3.35E-16	5.46E-16
Smapi2	-0.54148	3.19E-16	5.20E-16
Omg	-1.85503	3.19E-16	5.20E-16
Cd300c2	-3.88013	3.24E-16	5.29E-16
Ctps2	-0.93323	3.03E-16	4.95E-16

Gfap	-2.89047	3.04E-16	4.97E-16
Anapc2	-0.51932	2.86E-16	4.68E-16
Rtf2	-0.45184	2.79E-16	4.57E-16
Haus3	-0.75793	2.79E-16	4.55E-16
Grm7	-2.37976	2.83E-16	4.62E-16
Agfg2	-1.14212	2.67E-16	4.36E-16
Bcat2	-1.16151	2.59E-16	4.22E-16
Arl2	-0.45886	2.53E-16	4.14E-16
Car8	-1.62541	2.52E-16	4.12E-16
Psmc3	-0.30471	2.25E-16	3.69E-16
Adamts4	-3.48752	2.33E-16	3.81E-16
Lgi4	-2.61775	2.31E-16	3.77E-16
Shisa8	-2.44303	2.25E-16	3.68E-16
Polr1d	-0.30184	2.10E-16	3.45E-16
Cryba4	-2.16921	2.20E-16	3.60E-16
1600014C	-1.45883	2.12E-16	3.47E-16
Eea1	-0.3819	2.06E-16	3.38E-16
Eif3b	-0.43358	1.98E-16	3.24E-16
Tmem131l	-2.03582	2.00E-16	3.28E-16
Zfp300	-3.37068	2.01E-16	3.29E-16
Casd1	-0.51883	1.76E-16	2.89E-16
Pik3r5	-3.67073	1.72E-16	2.82E-16
Ccdc82	-0.39512	1.55E-16	2.55E-16
Ppp1r1b	-1.60448	1.55E-16	2.55E-16
Gna14	-2.28154	1.53E-16	2.51E-16
Dusp18	-2.43917	1.49E-16	2.45E-16
Camsap2	-0.421	1.41E-16	2.32E-16
Dbnl	-0.53716	1.40E-16	2.30E-16
Galm	-1.98381	1.39E-16	2.29E-16
Acss3	-2.30248	1.36E-16	2.23E-16
Nt5c	-0.62297	1.28E-16	2.11E-16
Zfp975	-2.41063	1.26E-16	2.07E-16
Mpg	-0.7473	1.22E-16	2.01E-16
Sema3e	-1.77364	1.23E-16	2.03E-16
Smim1	-0.8446	1.19E-16	1.96E-16
Cyp1b1	-2.75564	1.21E-16	2.00E-16
Lyz2	-2.17725	1.18E-16	1.95E-16
Tgif2	-3.27291	1.17E-16	1.94E-16
Mtus2	-1.44172	1.12E-16	1.85E-16
Gm20033	-2.54015	1.10E-16	1.81E-16
Gm8420	-0.6439	1.02E-16	1.68E-16
9630050E	-1.01116	1.01E-16	1.67E-16
Prdx5	-0.29812	9.88E-17	1.63E-16
Pcsk5	-2.11858	1.01E-16	1.67E-16
Tgfb3	-2.02357	9.73E-17	1.61E-16
Pank3	-0.4682	9.21E-17	1.52E-16
Flrt1	-2.35579	9.41E-17	1.56E-16

Cmb1	-1.86838	9.27E-17	1.53E-16
4833422C	-1.42866	8.86E-17	1.47E-16
Magi1	-0.63747	8.70E-17	1.44E-16
Pih1d1	-0.64682	8.55E-17	1.42E-16
Zfp46	-0.85735	7.96E-17	1.32E-16
Hivep3	-1.01127	7.72E-17	1.28E-16
5330434G	-1.40484	7.61E-17	1.26E-16
Ccdc149	-2.32182	7.41E-17	1.23E-16
Ptch1	-0.45783	7.08E-17	1.17E-16
Cgn	-2.28036	6.88E-17	1.14E-16
Vps4b	-0.41364	6.56E-17	1.09E-16
Inpp1	-0.63166	6.44E-17	1.07E-16
Gm4876	-1.96456	6.44E-17	1.07E-16
Lrrc4b	-2.46532	6.14E-17	1.02E-16
2310040G	-3.31068	5.61E-17	9.31E-17
Csf2rb	-3.39313	5.51E-17	9.15E-17
Ppp1r3d	-3.51362	5.40E-17	8.97E-17
Lipg	-2.79272	5.32E-17	8.84E-17
Cyp4f16	-1.89159	5.09E-17	8.45E-17
Sfn	-3.16049	4.90E-17	8.14E-17
Plpp5	-0.75826	4.31E-17	7.17E-17
Gm16499-	-3.08551	4.45E-17	7.39E-17
BC051408	-1.90331	4.37E-17	7.27E-17
Acox1	-0.39875	4.14E-17	6.89E-17
Rasl10b	-0.89472	3.67E-17	6.11E-17
Nisch	-0.28788	3.60E-17	5.99E-17
Golph3	-0.44369	3.53E-17	5.87E-17
Atp5h	-0.19912	3.50E-17	5.82E-17
Evc2	-2.84405	3.48E-17	5.79E-17
Ptk7	-2.6673	3.18E-17	5.30E-17
Gsg1	-2.61055	3.03E-17	5.05E-17
Zwint	-0.51413	2.84E-17	4.74E-17
Asph	-0.47054	2.80E-17	4.67E-17
Fads2	-0.88135	2.63E-17	4.39E-17
Cbx6	-0.41505	2.55E-17	4.26E-17
Gm47586	-1.21678	2.33E-17	3.89E-17
Nek6	-1.26591	2.14E-17	3.57E-17
Gpr85	-3.33882	2.18E-17	3.64E-17
Tut7	-0.32411	1.90E-17	3.18E-17
Coro1a	-3.02275	1.95E-17	3.27E-17
Lcp2	-4.216	1.87E-17	3.14E-17
Gm20712	-3.45307	1.87E-17	3.13E-17
Bccip	-0.47253	1.69E-17	2.83E-17
Efhc2	-3.29324	1.65E-17	2.78E-17
Fibp	-0.45252	1.56E-17	2.61E-17
L1cam	-2.51975	1.62E-17	2.72E-17
Kctd6	-0.73691	1.53E-17	2.57E-17

Tpd52l2	-0.43841	1.47E-17	2.48E-17
Tbc1d10a	-0.8273	1.38E-17	2.32E-17
Ahcyl2	-0.57136	1.36E-17	2.29E-17
Thnsl2	-2.53142	1.41E-17	2.37E-17
Pcdhb16	-1.47127	1.23E-17	2.07E-17
Pak2	-0.26939	1.17E-17	1.98E-17
Mpeg1	-4.47184	1.24E-17	2.09E-17
Slc4a10	-1.47609	1.17E-17	1.97E-17
Srsf9	-0.34911	1.11E-17	1.87E-17
Hkdc1	-2.24424	1.15E-17	1.94E-17
Surf4	-0.44353	1.04E-17	1.76E-17
Pi4k2b	-1.85092	1.04E-17	1.75E-17
Syt13	-2.66654	1.01E-17	1.70E-17
Gm9844	-2.27843	9.51E-18	1.60E-17
Plagl1	-1.22172	8.88E-18	1.50E-17
Pcnt	-0.60547	8.20E-18	1.38E-17
Pole3	-0.66718	8.11E-18	1.37E-17
Fam160b1	-0.45235	7.98E-18	1.35E-17
Gm38125	-1.26273	7.63E-18	1.29E-17
Ap3b1	-0.53816	7.40E-18	1.25E-17
Zfp593	-1.27114	7.26E-18	1.23E-17
Fbxl17	-0.71307	7.07E-18	1.20E-17
Psmb4	-0.2774	6.92E-18	1.17E-17
Pwwp3b	-2.52439	7.25E-18	1.23E-17
Dgcr2	-0.55225	5.88E-18	9.96E-18
Pim1	-0.60108	5.82E-18	9.86E-18
Efna5	-2.54163	6.11E-18	1.03E-17
Gm5069	-2.49854	6.05E-18	1.02E-17
Rcc2	-0.75788	5.77E-18	9.77E-18
Accs	-2.41172	5.81E-18	9.84E-18
Kdm6b	-0.44398	5.32E-18	9.03E-18
H2ac20	-3.30986	5.04E-18	8.55E-18
Bmp2	-3.00652	4.99E-18	8.46E-18
B3galt2	-1.14034	4.67E-18	7.93E-18
Sostdc1	-3.72726	4.91E-18	8.32E-18
Gm20696	-1.50459	4.61E-18	7.82E-18
Figl2	-1.46582	4.57E-18	7.75E-18
Mxi1	-0.42112	3.99E-18	6.77E-18
Cndp2	-0.73593	3.91E-18	6.64E-18
Frrs1	-1.48906	3.95E-18	6.72E-18
Kif5a	-1.21584	3.88E-18	6.60E-18
Fyb	-5.50468	3.95E-18	6.71E-18
Plcd4	-2.10148	3.68E-18	6.25E-18
Sidt2	-0.64627	3.18E-18	5.42E-18
Rpl37rt	-0.91277	3.20E-18	5.44E-18
Alg5	-0.64723	3.17E-18	5.39E-18
Nek9	-0.48199	2.79E-18	4.76E-18

Ndfip2	-0.39005	2.67E-18	4.55E-18
Degs1	-0.51734	2.30E-18	3.92E-18
Rbck1	-0.5167	2.30E-18	3.92E-18
Homer2	-2.32508	2.37E-18	4.03E-18
Rims1	-1.72901	2.19E-18	3.73E-18
Gm15530	-1.67575	2.11E-18	3.61E-18
Scn2b	-3.4521	1.99E-18	3.40E-18
Tppp	-2.53234	1.90E-18	3.25E-18
Ngfr	-1.63055	1.86E-18	3.17E-18
Tafa4	-2.12995	1.74E-18	2.97E-18
Mad2l2	-0.99629	1.29E-18	2.21E-18
Capn5	-3.30081	1.33E-18	2.28E-18
Cib2	-1.53831	1.27E-18	2.17E-18
Pld4	-4.32254	1.31E-18	2.25E-18
Myb	-2.48632	1.28E-18	2.19E-18
Slc35f1	-2.41171	1.26E-18	2.15E-18
Nsmf	-0.86724	1.20E-18	2.06E-18
Usp54	-0.58162	1.15E-18	1.96E-18
Rasd2	-3.37734	1.21E-18	2.08E-18
Atad2	-1.00274	1.14E-18	1.95E-18
Pkig	-0.30496	1.12E-18	1.92E-18
Keap1	-0.49489	1.11E-18	1.91E-18
S1pr2	-3.58185	1.14E-18	1.95E-18
Asb2	-3.18121	1.10E-18	1.88E-18
Sardh	-2.58507	1.03E-18	1.77E-18
Adamtsl4	-2.27963	9.50E-19	1.63E-18
Fzd7	-2.93307	9.25E-19	1.59E-18
Entpd2	-2.9549	8.26E-19	1.42E-18
Rassf10	-2.81686	8.18E-19	1.41E-18
Dagla	-3.62204	8.08E-19	1.39E-18
Bend6	-1.99412	7.59E-19	1.31E-18
Lgals3	-2.02618	7.23E-19	1.24E-18
Gli3	-2.46021	6.98E-19	1.20E-18
Camk2n2	-1.15446	6.66E-19	1.15E-18
Sap18	-0.41923	6.32E-19	1.09E-18
Lacc1	-3.98993	6.25E-19	1.08E-18
N4bp1	-0.40724	5.59E-19	9.64E-19
Gm49492	-1.09481	5.63E-19	9.71E-19
Ralgapa1	-0.32616	4.91E-19	8.48E-19
Zfp804b	-2.49158	5.03E-19	8.69E-19
Col9a3	-1.91544	4.89E-19	8.44E-19
Rnf215	-0.55061	4.37E-19	7.56E-19
Ttc9	-2.2696	4.37E-19	7.56E-19
Gm48885	-3.01028	4.29E-19	7.42E-19
Rab22a	-0.49985	3.85E-19	6.67E-19
Gm47863	-2.85376	4.06E-19	7.02E-19
St3gal5	-0.81632	3.60E-19	6.23E-19

Zeb2os	-3.11051	3.61E-19	6.24E-19
Rgs8	-2.39603	3.53E-19	6.11E-19
Slc25a32	-0.6186	3.37E-19	5.83E-19
Chml	-1.39128	3.40E-19	5.89E-19
Rapgef6	-0.45202	3.30E-19	5.71E-19
H2az1	-0.24113	3.03E-19	5.26E-19
2700046A	-3.30151	3.08E-19	5.34E-19
Nif3l1	-2.05926	2.81E-19	4.87E-19
Gm42443	-3.34439	2.77E-19	4.81E-19
Ccdc69	-3.04366	2.84E-19	4.92E-19
Gm9616	-1.07695	2.61E-19	4.53E-19
Phgdh	-2.25529	2.64E-19	4.58E-19
Dennd2a	-1.13368	2.55E-19	4.43E-19
Dhx58	-3.41939	2.58E-19	4.47E-19
Gm38340	-3.29363	2.57E-19	4.47E-19
Clrn1	-2.8138	2.54E-19	4.41E-19
Traf5	-0.76518	2.09E-19	3.64E-19
Pf4	-4.36501	2.21E-19	3.84E-19
Gm37333	-1.51182	2.04E-19	3.54E-19
Hbp1	-0.47499	1.95E-19	3.40E-19
Thsd7a	-1.02672	2.00E-19	3.48E-19
Tpbgl	-3.20108	2.05E-19	3.57E-19
F830115B	-2.41745	2.01E-19	3.51E-19
Wsb1	-0.50476	1.86E-19	3.25E-19
Skap2	-1.04662	1.73E-19	3.01E-19
Zfp941	-2.86577	1.72E-19	3.00E-19
Neo1	-0.57743	1.55E-19	2.71E-19
Mat2b	-0.41508	1.50E-19	2.63E-19
Fign	-2.57275	1.51E-19	2.63E-19
2610002N	-0.85515	1.41E-19	2.46E-19
Magee1	-0.94632	1.41E-19	2.47E-19
Gm37694	-4.39679	1.50E-19	2.62E-19
Osbpl3	-1.01467	1.33E-19	2.33E-19
Rmdn2	-1.78002	1.36E-19	2.38E-19
Fam118a	-0.72242	1.31E-19	2.29E-19
Cpeb1	-1.75532	1.21E-19	2.12E-19
Pcdh7	-2.58193	1.21E-19	2.11E-19
Gm43187	-3.96024	1.16E-19	2.03E-19
Cacna1g	-2.94275	1.16E-19	2.03E-19
Rab20	-3.52896	1.13E-19	1.97E-19
Larp6	-3.18408	1.12E-19	1.96E-19
Mmut	-0.68041	9.90E-20	1.74E-19
Cdh6	-3.57452	1.01E-19	1.77E-19
Gtf3a	-0.74101	9.22E-20	1.62E-19
Bmpr1b	-2.40296	9.26E-20	1.63E-19
Aqp5	-2.44573	8.84E-20	1.55E-19
Tmem132l	-2.35717	8.58E-20	1.51E-19

Abhd6	-0.66132	7.67E-20	1.35E-19
A330076H	-1.52593	7.75E-20	1.36E-19
Snap23	-0.62814	7.35E-20	1.29E-19
Map1a	-0.99197	7.10E-20	1.25E-19
Bdh2	-2.17979	7.22E-20	1.27E-19
Arf3	-0.47266	6.46E-20	1.14E-19
Kcnk3	-1.85055	6.53E-20	1.15E-19
Itga9	-2.1963	6.62E-20	1.17E-19
Pml	-0.93944	6.25E-20	1.10E-19
Eif5a	-0.29288	6.11E-20	1.08E-19
Snhg11	-1.41789	6.27E-20	1.11E-19
Mrpl4	-0.5182	5.64E-20	9.95E-20
Gpr27	-2.74748	5.77E-20	1.02E-19
Kbtbd2	-0.53345	5.33E-20	9.41E-20
Ifngr2	-0.84062	5.28E-20	9.32E-20
Epha3	-3.11293	5.48E-20	9.66E-20
Oas1b	-4.11039	5.41E-20	9.55E-20
Wsb2	-0.5372	4.96E-20	8.77E-20
Dglucy	-3.57383	4.85E-20	8.56E-20
Taf13	-0.59589	4.32E-20	7.64E-20
Gpr155	-1.05294	3.88E-20	6.86E-20
Susd2	-3.05865	3.85E-20	6.81E-20
Setd3	-0.44608	3.54E-20	6.26E-20
Mir1931	-3.35016	3.76E-20	6.64E-20
Sulf2	-2.52491	3.64E-20	6.44E-20
Rian	-1.97941	3.46E-20	6.12E-20
Septin6	-1.97529	3.43E-20	6.08E-20
Mcee	-0.53864	3.34E-20	5.91E-20
Metrn1	-3.71064	3.54E-20	6.26E-20
Gm49542	-3.68283	3.53E-20	6.25E-20
Cnksr2	-1.61641	3.27E-20	5.80E-20
Slc22a5	-1.95177	3.17E-20	5.62E-20
Dcun1d3	-0.53187	2.68E-20	4.74E-20
Clybl	-1.24831	2.74E-20	4.85E-20
Arsk	-1.03931	2.46E-20	4.36E-20
Nod2	-3.20987	2.57E-20	4.55E-20
Bak1	-0.95958	2.32E-20	4.11E-20
Prrg3	-3.37464	2.36E-20	4.19E-20
Cdk9	-0.48304	2.09E-20	3.71E-20
Gpx3	-1.50593	2.07E-20	3.68E-20
Slco5a1	-3.09906	1.94E-20	3.44E-20
Bmerb1	-2.43237	1.88E-20	3.34E-20
Fcgr3	-4.46904	1.86E-20	3.31E-20
Acap3	-1.17616	1.62E-20	2.89E-20
Maml3	-0.84332	1.48E-20	2.64E-20
Mier1	-0.29055	1.28E-20	2.28E-20
C630043F	-1.49307	1.33E-20	2.37E-20

Dcbld2	-0.76465	1.23E-20	2.19E-20
Slc41a3	-2.80696	1.25E-20	2.23E-20
Gm38157	-3.00833	1.23E-20	2.20E-20
Aldh4a1	-0.81806	1.15E-20	2.05E-20
Pds5b	-0.45682	1.12E-20	2.00E-20
Stx2	-0.94469	1.13E-20	2.03E-20
Frem2	-3.60092	1.07E-20	1.91E-20
Tspyl5	-2.88537	9.75E-21	1.74E-20
Nat8l	-2.25038	9.30E-21	1.66E-20
Gm10134	-4.13277	9.48E-21	1.70E-20
Ube2r2	-0.36805	8.24E-21	1.48E-20
Mef2a	-0.30382	7.97E-21	1.43E-20
Bbc3	-1.42891	8.00E-21	1.43E-20
Ret	-3.08822	8.27E-21	1.48E-20
Ifngr1	-0.4665	7.38E-21	1.32E-20
Spon2	-2.94692	7.77E-21	1.39E-20
Slc10a3	-1.67699	6.72E-21	1.21E-20
Rap1gap	-1.73336	6.81E-21	1.22E-20
Mctp1	-5.64496	7.05E-21	1.27E-20
Fstl5	-2.23542	6.50E-21	1.17E-20
Gprasp2	-1.35185	6.25E-21	1.12E-20
Mlec	-0.6552	6.03E-21	1.08E-20
Vamp4	-0.51831	5.88E-21	1.06E-20
Zfp976	-2.81567	6.27E-21	1.13E-20
Gm5148	-2.38053	6.17E-21	1.11E-20
Fam174b	-2.75727	5.72E-21	1.03E-20
Ilrun	-0.48243	4.99E-21	9.00E-21
Igf1	-2.48866	5.02E-21	9.04E-21
Prox1os	-2.05631	4.86E-21	8.75E-21
Abcd3	-0.61494	4.09E-21	7.38E-21
Nrxn2	-1.40615	4.09E-21	7.38E-21
Cib1	-0.75888	3.69E-21	6.66E-21
Fam102b	-1.17288	3.63E-21	6.57E-21
Gm20721	-2.64891	3.65E-21	6.59E-21
St6galnac2	-0.43588	3.19E-21	5.77E-21
Loxl3	-3.04965	3.22E-21	5.82E-21
Gm26881	-1.66803	2.65E-21	4.80E-21
Shtn1	-2.63464	2.65E-21	4.79E-21
Tmed2	-0.35851	2.19E-21	3.97E-21
Raver2	-1.43306	2.13E-21	3.85E-21
Gm38071	-4.26538	2.19E-21	3.97E-21
Phlpp1	-0.55113	2.00E-21	3.62E-21
Plekhd1	-2.36426	1.97E-21	3.57E-21
Sat2	-2.48188	1.87E-21	3.39E-21
Bcl10	-0.54097	1.52E-21	2.75E-21
Ntpcr	-1.28759	1.57E-21	2.85E-21
Rilp	-2.69642	1.59E-21	2.89E-21

E130311K:	-1.92564	1.55E-21	2.81E-21
Gk5	-1.44286	1.54E-21	2.79E-21
Trim68	-2.88864	1.47E-21	2.67E-21
Gcnt4	-3.03527	1.49E-21	2.71E-21
1700017B:	-1.59371	1.37E-21	2.50E-21
Snrpe	-0.32693	1.18E-21	2.15E-21
Fam91a1	-0.70583	1.16E-21	2.12E-21
Smurf1	-0.79914	1.11E-21	2.02E-21
Adamtsl2	-3.22474	1.14E-21	2.08E-21
Adra2c	-3.73327	1.13E-21	2.06E-21
Cdkn1b	-0.38006	1.01E-21	1.84E-21
Fam184b	-2.02514	1.06E-21	1.93E-21
Gm11266	-2.35381	1.04E-21	1.90E-21
Gng3	-1.19448	9.89E-22	1.80E-21
Enpp1	-3.72772	1.03E-21	1.88E-21
Fam210b	-0.864	8.84E-22	1.61E-21
Acot11	-1.72598	8.78E-22	1.60E-21
Atp7a	-0.7131	8.32E-22	1.52E-21
B230219D	-0.29787	8.05E-22	1.47E-21
Car11	-2.14497	8.20E-22	1.50E-21
Fam81a	-3.65978	8.10E-22	1.48E-21
Lrp3	-2.4165	8.00E-22	1.46E-21
Wipf3	-3.83166	7.85E-22	1.43E-21
Nexmif	-2.15177	7.54E-22	1.38E-21
C030013C:	-4.62747	7.88E-22	1.44E-21
Nrsn1	-1.22138	7.07E-22	1.29E-21
Ripply3	-1.92887	6.22E-22	1.14E-21
P3h1	-1.86876	6.24E-22	1.14E-21
Itga3	-1.81033	6.09E-22	1.12E-21
Neurl1b	-3.24528	6.02E-22	1.10E-21
Lcn2	-1.3911	5.93E-22	1.09E-21
Apoc1	-1.8876	5.57E-22	1.02E-21
Dzip1	-1.94937	4.64E-22	8.51E-22
Jak2	-0.5797	4.40E-22	8.08E-22
Bcl9l	-0.60289	3.92E-22	7.20E-22
Eif3l	-0.56839	3.82E-22	7.02E-22
Tnfrsf22	-3.98611	4.09E-22	7.51E-22
Ptgs2	-3.87003	4.01E-22	7.36E-22
Abhd16a	-0.58529	3.36E-22	6.18E-22
Gipc1	-0.71212	3.31E-22	6.09E-22
Gda	-3.50724	3.55E-22	6.53E-22
Acsl3	-0.40406	3.35E-22	6.17E-22
Sh3glb2	-0.61053	3.18E-22	5.86E-22
Gm20257	-3.38966	2.97E-22	5.47E-22
Gm49329	-3.01996	2.92E-22	5.39E-22
Zfp141	-2.86887	2.79E-22	5.14E-22
Dapk2	-4.22272	2.34E-22	4.32E-22

Gm47644	-2.07671	2.25E-22	4.16E-22
Fzd2	-4.01775	2.31E-22	4.26E-22
Cep68	-0.8075	1.99E-22	3.68E-22
Abhd5	-0.76016	1.88E-22	3.47E-22
Selplg	-5.32461	2.00E-22	3.69E-22
Galnt2	-0.70227	1.71E-22	3.15E-22
Ppp1r3c	-1.66049	1.64E-22	3.04E-22
Mink1	-0.57472	1.52E-22	2.81E-22
Sh3glb1	-0.25596	1.46E-22	2.70E-22
Dtx1	-2.41952	1.56E-22	2.88E-22
Cx3cr1	-4.34516	1.56E-22	2.88E-22
Msl3	-0.81268	1.35E-22	2.50E-22
Pnkd	-0.38338	1.32E-22	2.45E-22
Fam234a	-1.01507	1.35E-22	2.51E-22
Inhba	-2.21437	1.31E-22	2.43E-22
Sumf1	-1.17576	1.24E-22	2.30E-22
Gm36963	-3.81918	1.32E-22	2.45E-22
Adcy3	-2.14785	1.24E-22	2.30E-22
Rgl2	-0.71236	1.16E-22	2.16E-22
Zdhhc20	-0.50481	1.09E-22	2.02E-22
Nbeal1	-0.32106	9.86E-23	1.83E-22
Lurap1	-1.25917	1.02E-22	1.90E-22
Zc3h7b	-0.52602	9.37E-23	1.74E-22
Eif3c	-0.30406	8.70E-23	1.62E-22
Cit	-1.06087	8.77E-23	1.63E-22
Serf2	-0.26833	8.53E-23	1.59E-22
Sh3bp1	-4.62586	9.44E-23	1.75E-22
Gm15663	-3.33175	8.10E-23	1.51E-22
H1f10	-2.9616	7.43E-23	1.38E-22
C530043K	-1.02741	6.96E-23	1.30E-22
Nqo1	-2.80612	7.44E-23	1.39E-22
1810010H	-1.23664	6.88E-23	1.28E-22
Megf10	-1.69005	6.96E-23	1.30E-22
Ace	-3.89292	7.17E-23	1.33E-22
Hecw1	-2.76542	6.66E-23	1.24E-22
Bcar1	-0.66889	5.86E-23	1.09E-22
Plpp6	-0.62304	5.54E-23	1.03E-22
Gm9843	-0.92057	5.27E-23	9.83E-23
Cetn3	-0.37577	4.65E-23	8.69E-23
Slc9a2	-4.72658	5.21E-23	9.73E-23
Olfml3	-3.98444	5.07E-23	9.48E-23
Zfp710	-1.96556	4.75E-23	8.87E-23
Lman2	-0.49739	4.41E-23	8.25E-23
Nudt9	-0.65543	3.79E-23	7.09E-23
Rp9	-0.40025	3.58E-23	6.71E-23
Atpif1	-0.32173	3.51E-23	6.58E-23
Gm42991	-3.4107	3.77E-23	7.06E-23

Spp1	-4.73964	3.81E-23	7.13E-23
Crybb3	-2.3076	3.62E-23	6.77E-23
Adarb1	-0.83257	3.32E-23	6.23E-23
Armccx2	-0.88663	3.32E-23	6.23E-23
M6pr	-0.48487	3.24E-23	6.07E-23
Gm26660	-3.41123	3.58E-23	6.70E-23
Elf4	-4.91838	3.33E-23	6.24E-23
Kctd14	-2.44993	3.07E-23	5.77E-23
Atp6ap1	-0.42854	2.69E-23	5.06E-23
Cacna2d3	-1.88325	2.80E-23	5.26E-23
Gm29488	-1.94007	2.77E-23	5.19E-23
Slc46a3	-0.8159	2.45E-23	4.61E-23
Ikzf4	-1.97445	2.55E-23	4.78E-23
mt-Tc	-1.90919	2.40E-23	4.50E-23
Stx17	-0.79937	2.17E-23	4.08E-23
Cerox1	-2.39089	2.32E-23	4.35E-23
Acp5	-4.45109	2.32E-23	4.37E-23
Loxl2	-2.35839	2.20E-23	4.15E-23
Tead1	-0.5499	2.00E-23	3.77E-23
P2ry1	-4.77738	2.24E-23	4.22E-23
Trim6	-4.76784	2.23E-23	4.20E-23
Pafah1b1	-0.28379	1.93E-23	3.63E-23
Map3k3	-0.64391	1.92E-23	3.62E-23
Dock11	-3.30414	1.97E-23	3.72E-23
Vstm2b	-2.53571	1.99E-23	3.75E-23
Grm5	-2.63965	1.91E-23	3.60E-23
Creg2	-2.03016	1.74E-23	3.29E-23
Gm49708	-1.64193	1.56E-23	2.94E-23
Zfp72	-3.96957	1.65E-23	3.11E-23
Arhgap27c	-3.33096	1.55E-23	2.92E-23
Grm6	-1.94382	1.49E-23	2.82E-23
Frmd3	-2.00211	1.43E-23	2.69E-23
Kif23	-2.06098	1.44E-23	2.72E-23
Fbln5	-3.56984	1.50E-23	2.84E-23
Npnt	-3.51116	1.49E-23	2.81E-23
Scrn1	-1.18525	1.37E-23	2.59E-23
Glr3	-0.48258	1.17E-23	2.21E-23
B3galt1	-1.79074	1.24E-23	2.35E-23
Ust	-2.2784	1.23E-23	2.32E-23
Pqlc3	-3.77639	1.24E-23	2.34E-23
Arl5c	-2.96943	1.19E-23	2.26E-23
Traf1	-4.79651	1.19E-23	2.25E-23
Nthl1	-1.29895	1.07E-23	2.03E-23
C230071H	-4.78438	1.14E-23	2.16E-23
Cobl	-1.71341	1.02E-23	1.93E-23
Gm15500	-1.05841	9.96E-24	1.89E-23
Os9	-0.52827	8.85E-24	1.68E-23

Lair1	-2.56726	9.70E-24	1.84E-23
Syt10	-3.32523	9.32E-24	1.77E-23
Ppp2r2d	-0.43811	7.94E-24	1.51E-23
Scgn	-2.49808	8.02E-24	1.52E-23
Cdk4	-0.60337	7.04E-24	1.34E-23
Igsf8	-0.8615	7.00E-24	1.33E-23
Rab10	-0.37914	6.66E-24	1.27E-23
Gm7694	-3.18047	7.31E-24	1.39E-23
Supt4a	-0.44638	6.13E-24	1.17E-23
Pop5	-0.39385	6.09E-24	1.16E-23
Atic	-1.23829	6.09E-24	1.16E-23
Kcnmb4	-1.55864	5.86E-24	1.12E-23
Ablim3	-3.25712	5.61E-24	1.07E-23
B430319G	-3.00486	5.58E-24	1.06E-23
Lrrc41	-0.82233	4.72E-24	9.01E-24
Tram1l1	-2.527	4.67E-24	8.91E-24
Dcdc2a	-1.74946	4.49E-24	8.58E-24
Rgs11	-1.78886	4.35E-24	8.30E-24
Osbpl10	-3.95167	4.50E-24	8.59E-24
Faim2	-2.09752	4.22E-24	8.06E-24
Il17ra	-1.5497	4.08E-24	7.80E-24
Mapk8ip1	-1.11978	3.89E-24	7.43E-24
Cpt1c	-2.21847	3.80E-24	7.27E-24
Slc14a1	-2.13762	3.72E-24	7.11E-24
Vdac3	-0.38227	3.41E-24	6.53E-24
Cd52	-2.71533	3.81E-24	7.28E-24
Glipr2	-3.845	3.62E-24	6.92E-24
Gnao1	-0.67728	3.29E-24	6.31E-24
Stat5a	-4.20786	3.61E-24	6.91E-24
Gm14303	-0.81168	3.20E-24	6.13E-24
Zdhhc1	-1.10147	3.13E-24	6.00E-24
Nrros	-1.87272	3.02E-24	5.79E-24
Caskin1	-1.4896	2.93E-24	5.62E-24
Gm10399	-4.03472	3.11E-24	5.96E-24
Vasn	-0.88485	2.65E-24	5.09E-24
Ly96	-3.63828	2.90E-24	5.56E-24
Pcdhb14	-1.56323	2.60E-24	4.99E-24
Dok1	-3.94367	2.66E-24	5.10E-24
Xkr8	-2.75834	2.51E-24	4.81E-24
Mycn	-2.85459	2.42E-24	4.64E-24
Fdx1	-0.61295	2.05E-24	3.93E-24
Hexa	-0.76927	2.01E-24	3.87E-24
E230020A1	-2.90654	2.13E-24	4.09E-24
Aox1	-3.8381	2.10E-24	4.03E-24
Topbp1	-1.00194	1.91E-24	3.68E-24
Alad	-0.76415	1.87E-24	3.60E-24
Bhlhb9	-0.9761	1.83E-24	3.52E-24

Ccnjl	-1.91859	1.88E-24	3.62E-24
Abcg3	-4.70622	1.69E-24	3.25E-24
Vwa3a	-4.5349	1.66E-24	3.20E-24
Pycard	-2.00135	1.50E-24	2.89E-24
Eva1c	-1.99766	1.50E-24	2.90E-24
Rdm1	-0.60722	1.31E-24	2.53E-24
Apip	-0.72846	1.20E-24	2.32E-24
Dpp4	-3.53181	1.19E-24	2.29E-24
Clcc1	-0.70776	1.02E-24	1.96E-24
Gria4	-2.26536	1.07E-24	2.06E-24
Cyp39a1	-2.24679	1.04E-24	2.01E-24
Npy1r	-3.63829	8.93E-25	1.73E-24
Mov10	-2.36692	8.22E-25	1.59E-24
1700019D	-1.81956	8.10E-25	1.57E-24
Morc4	-4.23694	8.57E-25	1.66E-24
Idua	-3.23433	7.99E-25	1.55E-24
Creb5	-2.28928	7.96E-25	1.54E-24
Cd74	-3.07251	7.97E-25	1.54E-24
Tmem164	-1.70074	7.14E-25	1.38E-24
Exoc6b	-0.60409	6.54E-25	1.27E-24
Bmp1	-2.01871	6.58E-25	1.28E-24
Arhgef7	-0.64193	5.90E-25	1.15E-24
Hey2	-0.88919	5.96E-25	1.16E-24
Rab11fip1	-0.93929	5.66E-25	1.10E-24
4833412C	-6.2576	6.43E-25	1.25E-24
Adora2b	-4.70004	6.37E-25	1.24E-24
Tbc1d12	-0.65481	5.12E-25	9.94E-25
Glrb	-1.69812	5.39E-25	1.05E-24
Angpt1	-3.60848	5.61E-25	1.09E-24
Evc	-3.61351	5.43E-25	1.05E-24
Tafa5	-1.26634	4.34E-25	8.43E-25
Nefl	-1.01891	4.27E-25	8.31E-25
Polg	-0.71259	3.87E-25	7.52E-25
Swi5	-0.33019	3.64E-25	7.08E-25
9530018F	-4.89891	3.93E-25	7.64E-25
Fez1	-1.43313	3.52E-25	6.86E-25
B230216N	-5.23169	3.75E-25	7.29E-25
Lpar1	-3.78987	3.32E-25	6.46E-25
Rab11fip4	-1.48712	3.06E-25	5.96E-25
Tnk2	-0.68367	2.70E-25	5.27E-25
Adh5	-0.47828	2.53E-25	4.94E-25
Abi3bp	-2.59874	2.83E-25	5.51E-25
Emid1	-3.36973	2.82E-25	5.50E-25
C1galt1	-0.84843	2.50E-25	4.87E-25
Serpina3g	-5.31504	2.84E-25	5.54E-25
Ppm1l	-0.96964	2.41E-25	4.71E-25
Cdkn2d	-0.64605	2.34E-25	4.56E-25

Cox6b2	-0.88062	2.25E-25	4.40E-25
Nyap2	-2.56537	2.30E-25	4.49E-25
Nt5c3b	-1.04525	2.14E-25	4.18E-25
Rab21	-0.44465	2.03E-25	3.97E-25
Pld3	-0.85293	2.02E-25	3.95E-25
Slc15a2	-0.91612	1.86E-25	3.64E-25
Sec61a1	-0.54164	1.74E-25	3.41E-25
Crif2	-0.83631	1.46E-25	2.86E-25
Ccdc68	-4.3369	1.55E-25	3.03E-25
Elf2	-0.45314	1.16E-25	2.28E-25
Stx1b	-2.13514	1.22E-25	2.39E-25
Cox6b1	-0.27002	1.00E-25	1.97E-25
Aif1	-5.74288	1.03E-25	2.02E-25
Kcna2	-2.11202	8.92E-26	1.75E-25
Mb21d2	-2.19403	8.32E-26	1.64E-25
Nomo1	-0.5916	6.97E-26	1.37E-25
Col5a3	-2.12567	7.35E-26	1.45E-25
2610011E	-4.54205	7.67E-26	1.51E-25
Cgas	-5.25717	7.32E-26	1.44E-25
Gramd3	-2.81213	6.74E-26	1.33E-25
Zc2hc1a	-0.70941	5.95E-26	1.17E-25
Cmtm5	-2.62853	6.00E-26	1.18E-25
Inafm1	-0.6924	5.16E-26	1.02E-25
Irf8	-3.17192	5.22E-26	1.03E-25
Flywch2	-1.47648	4.84E-26	9.55E-26
Dapp1	-2.54008	4.75E-26	9.37E-26
Bscl2	-0.80306	4.25E-26	8.40E-26
Grm3	-4.67072	4.53E-26	8.94E-26
Dipk1c	-2.46288	4.04E-26	7.98E-26
Tbc1d22a	-1.28707	3.79E-26	7.49E-26
Itgb4	-3.30339	3.82E-26	7.54E-26
Vti1b	-0.5083	3.28E-26	6.48E-26
Hint2	-0.54318	3.26E-26	6.45E-26
Abcc6	-5.01965	3.25E-26	6.43E-26
Mamdc2	-4.28427	3.10E-26	6.14E-26
Snai1	-4.20191	3.01E-26	5.95E-26
Mtmr10	-0.90784	2.42E-26	4.80E-26
Bche	-3.95398	2.73E-26	5.41E-26
Serpina3n	-3.91361	2.71E-26	5.38E-26
Unc5c	-1.89399	2.45E-26	4.86E-26
Cxcl14	-2.32985	2.42E-26	4.79E-26
Khk	-0.92039	2.13E-26	4.23E-26
Dipk1b	-2.4445	2.26E-26	4.48E-26
Gm42731	-1.9815	2.17E-26	4.31E-26
Nelfe	-0.91574	2.06E-26	4.09E-26
Mrpl33	-0.44529	1.87E-26	3.71E-26
Nos2	-4.31942	1.90E-26	3.78E-26

Tbc1d2b	-1.45915	1.73E-26	3.44E-26
Bsdc1	-0.68884	1.63E-26	3.24E-26
Kdelr2	-0.58613	1.46E-26	2.90E-26
Popdc3	-2.51912	1.61E-26	3.20E-26
Gm17229	-4.28368	1.39E-26	2.77E-26
Rpsa-ps10	-0.32961	9.79E-27	1.95E-26
Slc35f5	-0.96542	1.00E-26	2.00E-26
Gm12250	-4.42998	1.04E-26	2.08E-26
Efcab14	-0.5188	8.79E-27	1.75E-26
Vstm2a	-2.1982	9.29E-27	1.85E-26
Tnfrsf9	-4.27877	9.36E-27	1.87E-26
Ppp2r1a	-0.47927	7.69E-27	1.54E-26
Pdzrn3	-2.95293	8.63E-27	1.72E-26
Ephx3	-4.93529	8.74E-27	1.74E-26
Trem2	-4.56084	7.91E-27	1.58E-26
Cyp27a1	-2.79029	7.20E-27	1.44E-26
Bves	-2.08907	7.02E-27	1.40E-26
Mpp1	-0.89605	5.73E-27	1.15E-26
Pced1b	-3.97896	6.39E-27	1.28E-26
9130230N	-6.11693	6.37E-27	1.28E-26
Cntn4	-2.53616	5.10E-27	1.02E-26
Gm49767	-3.50615	5.06E-27	1.02E-26
Tnxb	-3.72739	5.15E-27	1.03E-26
Cd59a	-0.37361	4.36E-27	8.76E-27
Rapgef1	-0.62209	4.37E-27	8.78E-27
C1ra	-4.53914	4.98E-27	9.99E-27
Shank1	-1.62577	4.32E-27	8.67E-27
Scd2	-0.48104	3.90E-27	7.85E-27
Gm44095	-4.7605	4.36E-27	8.76E-27
Cadm4	-2.34106	4.05E-27	8.15E-27
Frem1	-2.80089	4.18E-27	8.40E-27
Gng7	-1.70966	3.86E-27	7.77E-27
Mocos	-4.41791	4.14E-27	8.33E-27
Ctnnd2	-1.84531	3.00E-27	6.05E-27
Sord	-2.31743	2.94E-27	5.92E-27
Ptgds	-1.5561	2.88E-27	5.81E-27
Myom1	-2.12585	2.78E-27	5.60E-27
Pnpla8	-0.4775	2.37E-27	4.78E-27
Dse	-4.02576	2.58E-27	5.21E-27
Mylpf	-1.27116	2.23E-27	4.50E-27
Lama3	-4.45245	2.39E-27	4.82E-27
Tmem191	-1.36645	1.89E-27	3.81E-27
Pdcd5	-0.43057	1.74E-27	3.52E-27
Slc4a3	-2.11777	1.80E-27	3.63E-27
Atp2b2	-1.90767	1.71E-27	3.45E-27
Cryzl2	-2.49	1.77E-27	3.59E-27
Gmn	-1.32608	1.58E-27	3.19E-27

Gsap	-2.28154	1.68E-27	3.40E-27
Sil1	-0.91158	1.52E-27	3.08E-27
Rps10-ps1	-1.04896	1.50E-27	3.05E-27
Kazn	-1.75606	1.32E-27	2.68E-27
Mical2	-4.17394	1.41E-27	2.85E-27
Cuta	-0.44304	1.05E-27	2.14E-27
Nfkbiz	-0.91209	1.08E-27	2.19E-27
Mtmr2	-0.82584	1.06E-27	2.16E-27
Dlgap1	-1.76896	1.10E-27	2.24E-27
Agt	-3.55529	1.09E-27	2.22E-27
Ly86	-5.41702	1.08E-27	2.19E-27
Nrip2	-2.83449	9.15E-28	1.86E-27
Tnfrsf25	-3.61344	9.14E-28	1.86E-27
Nipsnap3b	-0.94594	7.65E-28	1.56E-27
Eef1a2	-1.75075	7.93E-28	1.61E-27
Ncaph	-4.5788	8.71E-28	1.77E-27
C130073E1	-2.9259	7.51E-28	1.53E-27
Psma8	-5.1683	7.32E-28	1.49E-27
Ubal2	-0.50618	6.07E-28	1.24E-27
Gm48206	-6.15384	7.28E-28	1.48E-27
Ptges	-3.12856	6.95E-28	1.42E-27
Sp1	-0.5019	5.74E-28	1.17E-27
Kcp	-4.32487	6.71E-28	1.37E-27
Csf1r	-3.7382	6.57E-28	1.34E-27
Ccdc88a	-0.46617	5.33E-28	1.09E-27
Rdh5	-2.55886	6.12E-28	1.25E-27
Exoc6	-0.84472	5.03E-28	1.03E-27
Tubb4a	-2.33715	5.11E-28	1.04E-27
Cdc25b	-2.89644	5.35E-28	1.09E-27
Fam214b	-1.18341	4.52E-28	9.25E-28
Hsp90b1	-0.2891	4.13E-28	8.45E-28
Gm19705	-4.06031	5.02E-28	1.03E-27
Sox2ot	-2.48992	4.09E-28	8.37E-28
E030026E1	-4.47376	4.17E-28	8.54E-28
Fcer1g	-2.37869	4.16E-28	8.52E-28
Pdgfrl	-3.22078	3.95E-28	8.10E-28
Usp43	-3.78553	3.83E-28	7.86E-28
Snx1	-0.68745	3.17E-28	6.50E-28
Gm43793	-1.71728	3.35E-28	6.86E-28
Prkra	-0.86691	3.05E-28	6.26E-28
Sncaip	-5.31914	3.51E-28	7.20E-28
P2rx7	-7.32887	3.56E-28	7.30E-28
Mx2	-3.84231	3.35E-28	6.87E-28
Sesn3	-0.48688	2.81E-28	5.78E-28
A030001D	-1.31643	2.86E-28	5.88E-28
Pfkm	-1.17954	2.84E-28	5.84E-28
Rps27rt	-0.84724	2.64E-28	5.43E-28

1700019L1	-7.03018	3.16E-28	6.49E-28
Scp2	-0.43114	2.39E-28	4.91E-28
Chadl	-2.20049	2.60E-28	5.34E-28
Tent5a	-4.75785	2.82E-28	5.80E-28
Rimklb	-2.33137	2.61E-28	5.37E-28
Gadd45b	-0.82554	2.17E-28	4.47E-28
Tmem215	-2.95277	2.42E-28	4.98E-28
Gvin1	-5.95976	2.53E-28	5.21E-28
Slc26a10	-4.44075	2.51E-28	5.16E-28
Lst1	-2.90117	2.30E-28	4.73E-28
Plxna4	-3.38616	2.20E-28	4.53E-28
Pcolce2	-2.27013	2.11E-28	4.35E-28
Hspb7	-4.05011	2.11E-28	4.34E-28
Dhx58os	-4.9468	2.16E-28	4.44E-28
Lynx1	-1.27973	1.62E-28	3.35E-28
Gm38042	-3.66089	1.75E-28	3.60E-28
B230217C	-2.37893	1.68E-28	3.47E-28
Dock5	-2.72688	1.53E-28	3.15E-28
Speg	-1.46207	1.24E-28	2.57E-28
Heph	-2.36617	1.23E-28	2.54E-28
Oasl1	-7.21506	1.33E-28	2.75E-28
Gm37352	-7.52901	1.27E-28	2.62E-28
Necab2	-1.81414	1.14E-28	2.35E-28
Sox6	-1.88737	1.09E-28	2.25E-28
Zfp982	-2.37498	1.06E-28	2.20E-28
Mir703	-1.21476	9.35E-29	1.94E-28
Ntng1	-2.33708	9.94E-29	2.06E-28
Cacna1e	-4.36053	1.00E-28	2.07E-28
Denr	-0.48543	8.18E-29	1.70E-28
Kcnt2	-4.61722	8.95E-29	1.86E-28
Armcx1	-0.8587	6.99E-29	1.45E-28
Arf5	-0.35426	5.79E-29	1.20E-28
Pde3b	-3.00133	6.33E-29	1.32E-28
Dnajc10	-0.54802	5.19E-29	1.08E-28
Sorcs2	-2.5792	5.81E-29	1.21E-28
Higd2a	-0.38283	4.96E-29	1.03E-28
Lef1os1	-4.69721	5.87E-29	1.22E-28
Htr2a	-4.23614	5.59E-29	1.16E-28
Zeb1	-0.43439	4.53E-29	9.43E-29
Amigo2	-2.86721	5.13E-29	1.07E-28
Nlrc5	-5.94394	5.07E-29	1.05E-28
Zcchc14	-0.5802	3.95E-29	8.23E-29
Mdga2	-2.14493	3.71E-29	7.75E-29
Tpra1	-0.9712	3.37E-29	7.04E-29
Endou	-4.80856	3.74E-29	7.80E-29
Npdc1	-0.64442	3.12E-29	6.51E-29
Gabra1	-2.50516	3.51E-29	7.34E-29

Esd	-0.44432	2.93E-29	6.13E-29
Abcd1	-1.44032	2.89E-29	6.05E-29
Irak4	-2.15963	3.04E-29	6.34E-29
Gm2415	-3.35204	3.13E-29	6.54E-29
Csad	-0.84107	2.53E-29	5.29E-29
Fam135b	-2.47887	2.71E-29	5.67E-29
Ankrd29	-2.56958	2.61E-29	5.46E-29
Ss18	-0.72408	1.70E-29	3.56E-29
Gm44936	-9.15849	1.95E-29	4.09E-29
Gm8730	-1.35946	1.63E-29	3.41E-29
Rnf44	-0.71808	1.51E-29	3.16E-29
Kcnma1	-1.42733	1.65E-29	3.46E-29
2010007H	-5.11736	1.78E-29	3.73E-29
Adam22	-2.15839	1.61E-29	3.38E-29
Rps23-ps1	-1.03069	1.41E-29	2.96E-29
Ids	-0.69543	1.35E-29	2.83E-29
Nap1l5	-1.39933	1.33E-29	2.79E-29
AW04773C	-1.41846	1.31E-29	2.75E-29
Gm3764	-2.60089	1.31E-29	2.75E-29
3010003L2	-4.21624	1.35E-29	2.83E-29
Gm20655	-3.6854	1.24E-29	2.60E-29
Gm48582	-3.67052	1.16E-29	2.44E-29
Tlk1	-0.58405	9.78E-30	2.06E-29
Fundc1	-0.79099	9.55E-30	2.01E-29
Gm30382	-4.38911	1.06E-29	2.24E-29
Xbp1	-0.53199	8.43E-30	1.78E-29
Gm37642	-5.20042	9.84E-30	2.07E-29
Paqr6	-2.8376	9.11E-30	1.92E-29
Bach2	-2.05315	8.07E-30	1.70E-29
Tmbim4	-0.48821	7.12E-30	1.50E-29
Gask1b	-4.82257	8.05E-30	1.70E-29
Adgrl1	-0.83464	6.50E-30	1.37E-29
P2ry10b	-6.05821	7.08E-30	1.49E-29
Rnf135	-2.32392	6.61E-30	1.40E-29
Papss2	-2.47458	6.36E-30	1.34E-29
Schip1	-4.29476	6.60E-30	1.39E-29
Tpbp	-2.85122	6.21E-30	1.31E-29
Armcx4	-1.52041	5.76E-30	1.22E-29
Prr5	-2.86453	5.79E-30	1.22E-29
Eif4g1	-0.45038	4.74E-30	1.00E-29
Psmb1	-0.36425	4.22E-30	8.94E-30
S100b	-2.13164	4.56E-30	9.66E-30
Hmgn5	-0.66564	3.93E-30	8.34E-30
Kcne1l	-2.43897	4.39E-30	9.30E-30
Scn7a	-2.19396	4.24E-30	8.99E-30
Cebpa	-4.73605	4.14E-30	8.78E-30
Arl4c	-2.68998	3.16E-30	6.71E-30

Cnpy4	-1.43174	2.58E-30	5.49E-30
A930006Kl	-2.26446	2.58E-30	5.49E-30
Kcnk6	-5.28003	2.77E-30	5.89E-30
Micos13	-0.42641	2.20E-30	4.69E-30
Cltc	-0.36213	1.86E-30	3.97E-30
Runx1	-4.22459	2.13E-30	4.53E-30
Hjurp	-2.17183	1.99E-30	4.24E-30
Ccng2	-0.99486	1.79E-30	3.81E-30
Hebp2	-1.61116	1.65E-30	3.52E-30
Ptpfr	-1.64041	1.61E-30	3.44E-30
Gpr161	-4.62968	1.71E-30	3.64E-30
Uhrf1bp1l	-1.60277	1.38E-30	2.94E-30
Tmem158	-2.62737	1.45E-30	3.09E-30
Aldh1l1	-2.34329	1.30E-30	2.78E-30
B3gat3	-0.7337	9.34E-31	2.00E-30
Plcd1	-2.96928	9.65E-31	2.06E-30
Cdca7	-2.43592	9.31E-31	1.99E-30
Saysd1	-0.84084	8.37E-31	1.79E-30
Tmem14a	-1.67885	8.11E-31	1.74E-30
Rida	-0.84597	6.75E-31	1.45E-30
Kcnq4	-4.19272	7.54E-31	1.62E-30
Glod4	-0.8136	5.87E-31	1.26E-30
Nosip	-0.74701	5.82E-31	1.25E-30
Epdr1	-3.03844	6.33E-31	1.36E-30
Dpm3	-0.39809	4.86E-31	1.04E-30
Zfp52	-2.43044	5.19E-31	1.12E-30
Gm36933	-6.70699	5.66E-31	1.21E-30
Pvr	-1.07318	4.56E-31	9.82E-31
Mapk7	-1.95205	4.85E-31	1.04E-30
Robo2	-2.02698	4.18E-31	9.00E-31
Pip4k2a	-1.24968	3.85E-31	8.28E-31
Vegfd	-6.26642	4.49E-31	9.67E-31
Smim20	-1.08316	3.57E-31	7.70E-31
Gldc	-1.58026	3.52E-31	7.60E-31
Frmd8	-1.47754	3.23E-31	6.95E-31
Micall2	-4.84969	3.66E-31	7.88E-31
Zbp1	-6.29161	3.45E-31	7.43E-31
Muc3a	-3.28779	3.20E-31	6.89E-31
Prps2	-3.97369	3.00E-31	6.47E-31
Snx2	-0.68447	2.44E-31	5.27E-31
Trappc2l	-0.58531	2.36E-31	5.11E-31
D630033O	-1.20197	2.51E-31	5.42E-31
Gabrr1	-2.64503	2.53E-31	5.46E-31
Trappc6a	-0.7714	2.20E-31	4.76E-31
Psma7	-0.3432	2.02E-31	4.36E-31
Psma4	-0.42962	1.58E-31	3.44E-31
Tspan17	-0.74906	1.49E-31	3.23E-31

Vav2	-3.33396	1.76E-31	3.81E-31
2900052L1	-1.82469	1.61E-31	3.50E-31
Cap2	-2.81202	1.63E-31	3.52E-31
Gm37760	-3.2151	1.65E-31	3.57E-31
Commd8	-0.82248	1.35E-31	2.92E-31
Norad	-0.45491	1.30E-31	2.83E-31
Rhou	-2.07929	1.41E-31	3.06E-31
Clip1	-0.42751	1.14E-31	2.47E-31
Acot1	-2.62296	1.31E-31	2.84E-31
Heca	-0.77242	1.16E-31	2.51E-31
Aamdc	-0.63276	8.85E-32	1.93E-31
Slc8a1	-2.64968	8.82E-32	1.92E-31
Spin1	-0.6637	7.61E-32	1.66E-31
Zfp524	-1.38444	8.16E-32	1.78E-31
Iah1	-1.16038	7.80E-32	1.70E-31
Adam11	-2.70347	8.34E-32	1.82E-31
Rasa4	-1.91547	7.90E-32	1.72E-31
Tet1	-1.39504	6.99E-32	1.53E-31
Oplah	-1.88896	6.98E-32	1.52E-31
Tbx15	-5.68362	7.96E-32	1.73E-31
Al661453	-5.13687	7.96E-32	1.73E-31
Phlda3	-2.89417	6.97E-32	1.52E-31
Adam17	-0.78889	5.99E-32	1.31E-31
Rfxap	-0.81322	5.82E-32	1.27E-31
Syt4	-2.09255	6.45E-32	1.41E-31
Per1	-0.74604	5.90E-32	1.29E-31
Fam171a2	-2.30685	6.02E-32	1.32E-31
Gm37954	-1.87484	5.91E-32	1.29E-31
Rras2	-1.09536	4.92E-32	1.08E-31
Rrm2b	-0.72014	4.47E-32	9.80E-32
Tcp11l2	-0.83553	4.41E-32	9.68E-32
Pcp2	-1.00159	4.73E-32	1.04E-31
Tnfrsf10b	-3.91618	4.78E-32	1.05E-31
Ndufa3	-0.39733	3.66E-32	8.04E-32
Casp4	-6.15326	3.75E-32	8.23E-32
Ube2e1	-0.626	2.91E-32	6.40E-32
Trarg1	-3.86096	2.90E-32	6.38E-32
Ptdss1	-1.15523	2.45E-32	5.38E-32
Gm17745	-3.38255	2.46E-32	5.41E-32
Ctss	-3.72281	2.60E-32	5.72E-32
Egfr	-2.43561	2.34E-32	5.14E-32
4930522L1	-2.13121	2.26E-32	4.99E-32
Mlkl	-7.69589	2.08E-32	4.58E-32
Fam110b	-3.10862	1.78E-32	3.92E-32
Myh14	-1.73122	1.75E-32	3.86E-32
Xpc	-0.86045	1.47E-32	3.24E-32
Tmie	-5.19296	1.71E-32	3.78E-32

Tmem132i	-1.69128	1.38E-32	3.06E-32
Marchf6	-0.59285	1.23E-32	2.72E-32
Fzd1	-4.10546	1.02E-32	2.25E-32
Myh10	-0.74372	7.73E-33	1.72E-32
Samd1	-1.54448	7.70E-33	1.71E-32
Tusc1	-3.04645	7.94E-33	1.76E-32
Rit2	-2.01534	6.26E-33	1.39E-32
Eif3h	-0.37115	5.44E-33	1.21E-32
Paip2	-0.39151	5.03E-33	1.12E-32
Nr3c1	-0.39852	4.71E-33	1.05E-32
Cacna1h	-1.93301	3.93E-33	8.76E-33
Gm26510	-5.39319	4.09E-33	9.12E-33
Dennd2c	-2.44599	3.47E-33	7.75E-33
Prrc1	-0.76545	2.86E-33	6.38E-33
Tst	-2.56116	3.26E-33	7.27E-33
Nckap5	-1.95455	2.99E-33	6.66E-33
Psmg4	-0.69644	2.63E-33	5.87E-33
Nuak2	-3.52414	2.91E-33	6.49E-33
Ncstn	-0.83295	2.40E-33	5.36E-33
Kazald1	-1.47086	2.48E-33	5.53E-33
Gypc	-6.21832	2.93E-33	6.53E-33
Sav1	-0.67692	1.80E-33	4.04E-33
Ciart	-2.24139	2.09E-33	4.67E-33
Anp32b	-0.42763	1.73E-33	3.89E-33
Gm37452	-3.70358	2.19E-33	4.89E-33
Gm48601	-5.5495	2.16E-33	4.84E-33
Thbs2	-5.76397	2.25E-33	5.04E-33
Kifc3	-0.7868	1.61E-33	3.62E-33
Gm37652	-6.98223	2.08E-33	4.66E-33
Col4a6	-4.26673	1.89E-33	4.23E-33
Tlcd2	-4.24318	1.61E-33	3.60E-33
Samd14	-1.48354	1.35E-33	3.04E-33
Plxnb2	-1.00814	1.23E-33	2.77E-33
Drd1	-3.4833	1.20E-33	2.68E-33
Ptpa	-0.73323	8.98E-34	2.02E-33
Npw	-5.28761	1.11E-33	2.50E-33
Scamp3	-0.90976	8.21E-34	1.85E-33
Baiap3	-3.45589	9.09E-34	2.04E-33
Plod3	-1.0009	7.54E-34	1.70E-33
Slc29a3	-2.28639	8.60E-34	1.93E-33
Tcf23	-4.97636	7.52E-34	1.69E-33
Sec11c	-0.58218	5.71E-34	1.29E-33
Dynlrb1	-0.39375	5.48E-34	1.23E-33
Msl1	-0.54035	4.74E-34	1.07E-33
Xpr1	-0.51847	4.73E-34	1.07E-33
Mfhas1	-0.51947	4.60E-34	1.04E-33
Eif3i	-0.54402	4.36E-34	9.83E-34

Pwwp3a	-0.89958	4.42E-34	9.99E-34
C1qc	-4.06931	5.18E-34	1.17E-33
Mmgt2	-1.06139	3.46E-34	7.82E-34
Hmbox1	-0.63164	3.18E-34	7.19E-34
Chpt1	-0.77378	3.17E-34	7.17E-34
Cyth4	-5.22217	3.31E-34	7.48E-34
Bmp4	-4.80757	3.12E-34	7.06E-34
Adora1	-2.10046	2.71E-34	6.13E-34
Gstk1	-1.67575	2.54E-34	5.76E-34
Zdhhc9	-1.30857	2.42E-34	5.50E-34
Shf	-2.14339	2.46E-34	5.58E-34
Map7d2	-1.51391	2.29E-34	5.19E-34
Gm48203	-5.89145	2.75E-34	6.24E-34
Adcy9	-1.2416	2.09E-34	4.75E-34
Galnt17	-2.78054	2.25E-34	5.10E-34
Pdk4	-4.45838	2.37E-34	5.39E-34
Gm10575	-4.21315	2.34E-34	5.31E-34
C1qtnf6	-3.69525	2.31E-34	5.25E-34
Tmed7	-0.60954	1.74E-34	3.95E-34
Mab21l2	-2.03184	1.96E-34	4.47E-34
Fkbp11	-2.45945	1.95E-34	4.43E-34
Eif6	-0.61173	1.50E-34	3.42E-34
Rhbdf2	-1.12453	1.60E-34	3.64E-34
Chst7	-5.67701	1.86E-34	4.22E-34
Cchcr1	-4.18493	1.72E-34	3.91E-34
Pxdn	-2.93108	1.42E-34	3.24E-34
Mfap2	-3.64787	1.38E-34	3.13E-34
Gstt3	-2.46788	1.27E-34	2.90E-34
Wnt5a	-3.3568	1.27E-34	2.90E-34
Laptm5	-4.84954	1.21E-34	2.76E-34
Dctn2	-0.51253	8.35E-35	1.91E-34
Zfp9	-2.97182	1.03E-34	2.36E-34
Mapk10	-2.20496	8.42E-35	1.92E-34
Fam217a	-6.40149	9.01E-35	2.06E-34
Tceal8	-0.73491	6.62E-35	1.52E-34
Tceal5	-2.17047	6.56E-35	1.50E-34
Fam162a	-0.50167	5.44E-35	1.25E-34
4931406C	-1.08042	5.28E-35	1.21E-34
Gm10687	-3.7281	5.72E-35	1.31E-34
Sh3d21	-3.94183	5.73E-35	1.31E-34
Mcur1	-0.824	4.46E-35	1.02E-34
Gm18068	-7.03525	5.76E-35	1.32E-34
Rab35	-0.86112	4.06E-35	9.31E-35
Frk	-4.07559	4.53E-35	1.04E-34
Chil1	-2.55842	4.06E-35	9.31E-35
Olfm4	-2.41291	3.91E-35	8.97E-35
Psenen	-0.49419	3.07E-35	7.06E-35

Zap70	-4.39117	3.62E-35	8.31E-35
Cabp5	-2.04188	3.32E-35	7.62E-35
Fbxo6	-1.09667	2.68E-35	6.16E-35
St3gal2	-0.9827	2.52E-35	5.80E-35
Plaur	-4.79998	3.22E-35	7.39E-35
Eif3f	-0.34198	2.18E-35	5.03E-35
Tor4a	-4.54239	2.60E-35	5.98E-35
Aim2	-4.34133	2.36E-35	5.44E-35
Fam124b	-5.43518	2.36E-35	5.44E-35
Psmb3	-0.4345	1.45E-35	3.34E-35
B630019Kl	-3.63475	1.79E-35	4.13E-35
Dgkg	-4.76718	1.85E-35	4.27E-35
Pdlim7	-0.91003	1.36E-35	3.13E-35
Lmod1	-2.46117	1.38E-35	3.19E-35
Gm15261	-4.17343	1.42E-35	3.27E-35
Fgf13	-1.93984	1.28E-35	2.96E-35
Myzap	-5.52557	1.35E-35	3.12E-35
Aldh9a1	-0.80499	9.99E-36	2.31E-35
Myd88	-1.87878	9.98E-36	2.31E-35
Cox7a2l	-0.3382	7.47E-36	1.73E-35
Glg1	-0.48375	7.46E-36	1.73E-35
Lpcat4	-4.05275	9.05E-36	2.10E-35
Mrgpre	-3.84189	8.12E-36	1.88E-35
Aopep	-0.61685	6.01E-36	1.40E-35
Grb7	-5.47366	7.35E-36	1.71E-35
C1qb	-3.70831	6.97E-36	1.62E-35
Ramp1	-3.01082	5.67E-36	1.32E-35
Vrk2	-3.80158	5.36E-36	1.25E-35
Pde1b	-2.47992	5.21E-36	1.21E-35
Rpl3l	-4.78614	5.58E-36	1.30E-35
Hacd4	-5.516	5.66E-36	1.32E-35
Lypd6	-1.92491	4.93E-36	1.15E-35
Ntrk2	-2.75936	4.84E-36	1.13E-35
Spred1	-0.64985	3.92E-36	9.12E-36
Zfp217	-1.86434	4.12E-36	9.58E-36
Cdr2l	-1.84113	3.83E-36	8.93E-36
Qpct	-2.65945	3.76E-36	8.75E-36
Nr5a2	-5.13425	4.06E-36	9.46E-36
Prune2	-1.40595	3.00E-36	6.99E-36
C1qa	-4.08243	3.22E-36	7.50E-36
Synj2	-4.36392	2.88E-36	6.72E-36
Cacna1a	-1.6754	2.16E-36	5.05E-36
Zbtb42	-3.49053	2.56E-36	5.98E-36
Colca2	-3.85935	2.39E-36	5.58E-36
Prrg2	-1.35049	1.86E-36	4.36E-36
Gm43820	-6.5455	2.33E-36	5.45E-36
Zbtb11os1	-2.45588	1.90E-36	4.45E-36

Akr1b3	-0.85756	1.58E-36	3.70E-36
Nsg1	-3.06712	1.79E-36	4.19E-36
Zfp697	-5.06081	1.93E-36	4.53E-36
Ppil3	-2.32472	1.58E-36	3.70E-36
Lnpep	-0.57172	1.37E-36	3.21E-36
Gm4951	-9.0451	1.81E-36	4.23E-36
Rbm24	-4.0977	1.45E-36	3.39E-36
5033404E:	-7.15693	1.40E-36	3.27E-36
Ehd4	-0.62516	9.58E-37	2.25E-36
Sh2d3c	-0.96989	9.19E-37	2.16E-36
Col2a1	-1.95185	9.14E-37	2.15E-36
Fbxl8	-3.71658	9.65E-37	2.26E-36
Cyp7b1	-4.09817	9.73E-37	2.28E-36
Bpnt2	-0.68834	7.39E-37	1.74E-36
Rab29	-3.10278	8.88E-37	2.09E-36
Pdcl3	-0.59844	6.86E-37	1.61E-36
Mycl	-5.57152	8.20E-37	1.93E-36
lqsec3	-1.83966	6.35E-37	1.50E-36
Mrps15	-0.91788	5.54E-37	1.31E-36
Dbn1	-2.59911	6.31E-37	1.49E-36
Spsb2	-1.51594	5.24E-37	1.24E-36
Map4	-0.3907	4.65E-37	1.10E-36
Trim62	-4.16629	6.15E-37	1.45E-36
Clmn	-2.71141	6.01E-37	1.42E-36
Dpy19l3	-2.81068	5.84E-37	1.38E-36
Srms	-5.83111	6.46E-37	1.52E-36
Tpst1	-1.15765	4.26E-37	1.01E-36
S100a4	-1.61445	4.74E-37	1.12E-36
Dclk2	-2.80247	4.48E-37	1.06E-36
Nkd2	-4.64312	4.72E-37	1.11E-36
Gm50008	-1.2151	3.76E-37	8.90E-37
Bhlhe22	-3.51288	4.10E-37	9.70E-37
Dhx40	-0.91264	3.19E-37	7.56E-37
F3	-3.08871	3.98E-37	9.41E-37
Alox12	-5.79731	4.06E-37	9.60E-37
Cacna1d	-2.38485	3.37E-37	7.97E-37
Diaph2	-0.98806	2.86E-37	6.77E-37
Uap1l1	-4.02539	3.56E-37	8.43E-37
Taf9b	-1.48573	2.87E-37	6.80E-37
Dtx4	-2.14402	2.83E-37	6.72E-37
Tcaf2	-3.73789	2.99E-37	7.07E-37
Ccdc125	-3.46491	2.96E-37	7.02E-37
Cend1	-2.62879	2.69E-37	6.38E-37
Gm44694	-1.86192	2.53E-37	6.01E-37
Man2b2	-1.84343	1.83E-37	4.34E-37
Jak3	-4.01931	1.99E-37	4.73E-37
Tyrobp	-3.73945	1.88E-37	4.47E-37

Ttc23	-2.14216	1.48E-37	3.52E-37
Omd	-5.21934	1.74E-37	4.13E-37
Nr2e1	-2.25926	1.52E-37	3.62E-37
Fkbp2	-0.56106	1.06E-37	2.52E-37
Pi16	-3.82657	1.43E-37	3.41E-37
Actn1	-0.5877	9.85E-38	2.35E-37
Car10	-2.50129	1.15E-37	2.73E-37
Zfp618	-3.66603	1.17E-37	2.79E-37
Lrrc75a	-2.59505	9.99E-38	2.38E-37
Snx6	-0.63349	7.84E-38	1.87E-37
Mgmt	-3.0953	9.09E-38	2.17E-37
Ica1l	-2.78481	6.84E-38	1.64E-37
Sp140	-2.44794	6.19E-38	1.48E-37
Sema4c	-1.07603	5.68E-38	1.36E-37
Itprp	-6.62523	6.95E-38	1.66E-37
Trim5	-4.83739	6.34E-38	1.52E-37
Ppp1r13b	-0.64424	4.38E-38	1.05E-37
Tubb2b	-2.97023	5.41E-38	1.30E-37
Greb1	-2.18348	4.56E-38	1.09E-37
Plekho1	-1.60826	3.82E-38	9.18E-38
Hid1	-2.42418	3.85E-38	9.24E-38
Rmst	-3.44063	4.28E-38	1.03E-37
Limk1	-2.20649	3.75E-38	8.99E-38
Lepr	-5.69136	4.49E-38	1.08E-37
Itgb8	-2.15149	3.88E-38	9.31E-38
Atp1b1	-2.38794	3.11E-38	7.48E-38
Cystm1	-0.61719	2.60E-38	6.25E-38
Arhgef9	-1.51576	2.59E-38	6.23E-38
Egln2	-0.76782	2.22E-38	5.35E-38
Sh3tc2	-5.01095	3.08E-38	7.40E-38
Bzw1	-0.50095	2.04E-38	4.90E-38
Rasl11a	-1.10109	1.98E-38	4.76E-38
Gm14636	-7.153	2.65E-38	6.38E-38
Cep170	-0.99976	1.85E-38	4.47E-38
Gm43343	-1.36077	1.95E-38	4.70E-38
Tbcb	-0.57975	1.70E-38	4.10E-38
Enpp4	-0.83036	1.69E-38	4.09E-38
Neurod4	-2.32212	1.89E-38	4.57E-38
Gm12002	-4.80251	1.73E-38	4.18E-38
Strn3	-0.44272	1.23E-38	2.97E-38
Wdsub1	-1.38824	1.27E-38	3.06E-38
Gnai1	-3.42157	1.51E-38	3.64E-38
Gm17750	-1.34117	1.23E-38	2.98E-38
Naprt	-3.85204	1.52E-38	3.67E-38
Lrig3	-3.03856	1.25E-38	3.01E-38
Tmed3	-0.78741	9.71E-39	2.35E-38
Col3a1	-4.39293	1.29E-38	3.12E-38

Fam131a	-3.22368	1.18E-38	2.86E-38
Rbm43	-3.32803	1.13E-38	2.74E-38
Tox	-1.5177	9.97E-39	2.41E-38
Trpc3	-1.1627	8.82E-39	2.14E-38
Sptssa	-0.44586	7.65E-39	1.85E-38
Pik3cd	-3.96223	1.02E-38	2.47E-38
Hspa1a	-0.53143	7.55E-39	1.83E-38
Tmem43	-1.48216	7.29E-39	1.77E-38
Fendrr	-4.41955	9.05E-39	2.19E-38
Adk	-1.11967	6.79E-39	1.65E-38
Gap43	-1.81795	6.64E-39	1.61E-38
Vps28	-0.50427	5.46E-39	1.33E-38
Renbp	-3.39103	6.72E-39	1.63E-38
Trmt9b	-3.33977	6.24E-39	1.51E-38
Gm37531	-1.266	4.93E-39	1.20E-38
Zfp422	-0.86637	3.80E-39	9.27E-39
Nphp3	-3.04001	5.05E-39	1.23E-38
Pygl	-2.53871	4.74E-39	1.15E-38
Cabp1	-2.30985	4.19E-39	1.02E-38
Ext2	-0.86148	3.33E-39	8.11E-39
Cd44	-2.5514	4.22E-39	1.03E-38
Canx	-0.41958	2.62E-39	6.38E-39
Rpsa	-0.3313	2.26E-39	5.51E-39
Churc1	-0.71106	2.29E-39	5.60E-39
Slfn3	-5.89476	2.75E-39	6.71E-39
Ctnn	-0.87105	1.62E-39	3.96E-39
Fbxw17	-4.63811	2.12E-39	5.17E-39
Neur12	-3.24396	1.87E-39	4.57E-39
Smim4	-1.10459	1.44E-39	3.53E-39
Stard5	-2.64394	1.58E-39	3.85E-39
C1qtnf7	-5.2137	1.80E-39	4.41E-39
Klk8	-5.11568	1.73E-39	4.24E-39
B3galnt1	-3.35041	1.42E-39	3.47E-39
Parp10	-2.01722	1.23E-39	3.03E-39
Smarcd3	-2.55723	9.19E-40	2.26E-39
Gm11478	-0.87274	6.28E-40	1.54E-39
Il1rap	-3.04561	7.59E-40	1.86E-39
Rab1b	-0.68791	5.27E-40	1.30E-39
Isl1	-2.45198	6.34E-40	1.56E-39
1810073O	-5.38571	6.60E-40	1.62E-39
Lrrc75b	-2.06505	5.33E-40	1.31E-39
Lrrc4	-2.2312	4.80E-40	1.18E-39
Aprt	-0.87162	3.89E-40	9.59E-40
Abi3	-2.8314	4.89E-40	1.21E-39
MIph	-5.80282	4.69E-40	1.16E-39
Emd	-0.82538	2.82E-40	6.98E-40
Tmx4	-0.66308	2.06E-40	5.09E-40

Adcy5	-2.59811	2.39E-40	5.91E-40
Stat1	-0.83314	1.94E-40	4.79E-40
Vil1	-2.97972	2.29E-40	5.65E-40
4930503L1	-1.17752	1.33E-40	3.31E-40
Scara3	-2.80263	1.51E-40	3.73E-40
Chst14	-2.93651	1.45E-40	3.58E-40
Micall1	-1.47821	1.05E-40	2.59E-40
Osbp15	-2.4388	1.06E-40	2.64E-40
Gm42993	-3.39009	8.90E-41	2.21E-40
Hivep1	-0.72115	6.11E-41	1.52E-40
St8sia2	-2.37739	7.86E-41	1.95E-40
Col5a2	-5.13118	8.80E-41	2.18E-40
Ap2b1	-0.65651	5.68E-41	1.41E-40
Fam76a	-0.58842	5.38E-41	1.34E-40
Ptgis	-3.58193	5.35E-41	1.33E-40
Dtd1	-1.0067	3.70E-41	9.21E-41
Adgrg6	-2.84677	4.34E-41	1.08E-40
Ccdc8	-3.48554	3.46E-41	8.63E-41
Grid2	-2.77776	2.99E-41	7.46E-41
Dok4	-1.64933	2.56E-41	6.39E-41
4933431E1	-2.32934	2.40E-41	6.00E-41
Acy3	-4.31041	2.57E-41	6.41E-41
Enpp3	-6.79044	2.70E-41	6.74E-41
Tlcd4	-2.83255	2.31E-41	5.76E-41
Nme2	-3.67803	2.08E-41	5.20E-41
Aatk	-2.57071	1.84E-41	4.60E-41
Pcp4	-1.20447	1.52E-41	3.81E-41
Sybu	-2.70992	1.52E-41	3.82E-41
Gng13	-1.15479	1.17E-41	2.93E-41
Mvb12b	-1.29948	9.66E-42	2.42E-41
Il15	-3.11406	1.11E-41	2.79E-41
Boc	-4.27027	1.23E-41	3.09E-41
Bnip3	-0.60975	7.67E-42	1.93E-41
Slc52a2	-1.11632	7.93E-42	1.99E-41
Furin	-0.78519	7.03E-42	1.77E-41
Rps15a-ps1	-0.70817	6.88E-42	1.73E-41
Resf1	-0.74349	6.61E-42	1.66E-41
Ngf	-4.88202	9.74E-42	2.44E-41
Ccdc3	-4.85406	9.80E-42	2.46E-41
Limd2	-2.46649	8.19E-42	2.06E-41
Rab8b	-1.04042	6.43E-42	1.62E-41
Selenok	-0.36778	5.74E-42	1.45E-41
Nudt14	-0.99915	5.84E-42	1.47E-41
Adam23	-2.67707	7.34E-42	1.85E-41
Spag9	-0.42168	4.57E-42	1.15E-41
C130023A	-4.16315	6.30E-42	1.59E-41
Gm39822	-5.10211	6.36E-42	1.60E-41

Tuba1c	-4.61159	5.97E-42	1.51E-41
Fgf1	-3.408	5.10E-42	1.29E-41
Colgalt2	-3.268	4.81E-42	1.22E-41
Mansc1	-4.53829	4.62E-42	1.17E-41
Mesd	-0.88166	3.11E-42	7.87E-42
Snrpg	-0.4637	2.78E-42	7.05E-42
Snx33	-3.73094	4.23E-42	1.07E-41
Sdk2	-2.35693	2.86E-42	7.24E-42
Mfsd1	-1.13065	2.04E-42	5.18E-42
Dcxr	-2.64895	2.47E-42	6.25E-42
9430038I0	-1.76632	2.08E-42	5.27E-42
Tmem510	-4.83738	2.44E-42	6.18E-42
Peli1	-0.56238	1.55E-42	3.95E-42
Prickle2	-2.04285	1.88E-42	4.77E-42
Cdc37	-0.52838	1.29E-42	3.29E-42
Ccdc61	-2.44138	1.53E-42	3.90E-42
A330009N	-4.30205	1.70E-42	4.32E-42
Cdyl2	-6.80438	1.80E-42	4.56E-42
Tmem189	-1.10403	9.39E-43	2.39E-42
Nedd8	-0.39817	7.97E-43	2.03E-42
Tesc	-3.76265	1.10E-42	2.80E-42
Crat	-1.70526	8.61E-43	2.19E-42
Apobec1	-4.79627	1.09E-42	2.76E-42
Cdc25a	-2.58787	8.42E-43	2.14E-42
Siae	-2.77396	7.81E-43	1.99E-42
Ccdc71l	-1.34592	6.41E-43	1.64E-42
Trpm1	-1.92408	7.60E-43	1.94E-42
Gm38292	-7.87517	8.99E-43	2.29E-42
Mob1a	-0.67973	5.40E-43	1.38E-42
Ptprz1	-2.42108	7.29E-43	1.86E-42
C430049B1	-5.75283	8.42E-43	2.14E-42
H2-T24	-2.17387	5.29E-43	1.35E-42
Odf3b	-5.05767	7.13E-43	1.82E-42
Kdelr1	-0.63206	4.28E-43	1.09E-42
Gaa	-1.11997	4.20E-43	1.07E-42
Rusc2	-1.10318	3.86E-43	9.88E-43
Ln timer	-0.97403	3.77E-43	9.65E-43
A830082K	-2.65404	4.63E-43	1.18E-42
Mcm3	-2.79688	4.05E-43	1.04E-42
Gpld1	-2.09368	3.67E-43	9.40E-43
Hyl	-1.9233	2.85E-43	7.31E-43
Crem	-1.21426	2.64E-43	6.77E-43
Slain2	-0.75515	2.23E-43	5.72E-43
Cdk2ap1	-0.96987	1.93E-43	4.97E-43
Fxyd7	-2.66049	2.39E-43	6.13E-43
Gpr179	-2.46955	2.47E-43	6.33E-43
Nagpa	-2.1373	2.07E-43	5.33E-43

Akr1b10	-3.17912	2.29E-43	5.88E-43
Pde4c	-4.50143	2.59E-43	6.66E-43
Pgghg	-3.13074	2.00E-43	5.13E-43
Mt2	-1.62803	1.72E-43	4.44E-43
Phactr2	-0.66023	1.35E-43	3.49E-43
Isg20	-3.48545	1.81E-43	4.66E-43
Ppp1ca	-0.50197	1.19E-43	3.06E-43
Arrdc1	-1.63551	1.38E-43	3.55E-43
Arpc4	-0.74253	9.76E-44	2.52E-43
Ptbp1	-0.69141	7.77E-44	2.01E-43
Mapk12	-1.19451	8.14E-44	2.10E-43
Map3k7cl	-5.27059	9.35E-44	2.41E-43
Ubl3	-0.42652	5.10E-44	1.32E-43
Zmat4	-5.0307	8.21E-44	2.12E-43
Zhx3	-0.90786	5.00E-44	1.29E-43
Il2rg	-4.64485	6.54E-44	1.69E-43
Edf1	-0.44868	3.85E-44	9.99E-44
Etnppl	-2.45258	5.28E-44	1.37E-43
Serinc5	-1.23501	3.73E-44	9.67E-44
Maged1	-0.60081	3.52E-44	9.13E-44
Ifi27l2a	-4.45897	5.06E-44	1.31E-43
Ror1	-3.88525	4.61E-44	1.19E-43
Lpl	-3.63768	4.42E-44	1.15E-43
Zfta	-1.75793	3.54E-44	9.20E-44
Trpc4	-4.29363	3.58E-44	9.30E-44
Bad	-0.9314	2.26E-44	5.89E-44
Bmp3	-2.59142	2.99E-44	7.77E-44
Tradd	-3.25514	2.76E-44	7.18E-44
Ednrb	-3.46683	2.74E-44	7.12E-44
Tgfb1	-4.91718	2.89E-44	7.51E-44
5031439G	-1.06502	1.92E-44	5.00E-44
Tbc1d16	-2.70486	2.25E-44	5.85E-44
Necap2	-0.98271	1.73E-44	4.50E-44
Fis1	-0.45809	1.58E-44	4.13E-44
H2-Ab1	-3.38899	2.30E-44	5.99E-44
Cdk6	-1.5624	1.77E-44	4.62E-44
P3h2	-3.99151	1.91E-44	4.99E-44
Atp8b2	-2.50545	1.65E-44	4.31E-44
Marcks1	-2.37988	1.17E-44	3.05E-44
Aida	-0.84356	7.85E-45	2.05E-44
Dgkq	-3.90296	1.13E-44	2.95E-44
Krcc1	-0.64465	6.28E-45	1.64E-44
Irf7	-0.91361	6.24E-45	1.63E-44
Lmf2	-1.42935	6.54E-45	1.71E-44
Galk1	-1.125	6.06E-45	1.59E-44
2210408F	-3.02681	7.69E-45	2.01E-44
Adrb2	-2.25072	5.57E-45	1.46E-44

Pnpla6	-1.04657	4.36E-45	1.14E-44
Pnmal2	-1.79802	4.46E-45	1.17E-44
Eif4ebp2	-0.64935	3.30E-45	8.65E-45
Stox1	-4.96385	4.08E-45	1.07E-44
Tpt1-ps3	-1.156	2.85E-45	7.47E-45
Prag1	-4.67095	3.80E-45	9.95E-45
Nadk	-1.13168	2.47E-45	6.48E-45
Ctbp1	-0.62478	2.22E-45	5.84E-45
Cbx5	-0.57061	2.17E-45	5.70E-45
Dgcr6	-0.759	2.26E-45	5.93E-45
Errfi1	-1.18162	2.33E-45	6.11E-45
Alg14	-1.06957	1.90E-45	5.01E-45
Fgfr1	-3.70967	2.79E-45	7.31E-45
St7	-3.95733	2.44E-45	6.40E-45
Gm14207	-4.85266	2.31E-45	6.08E-45
Nos1ap	-3.51096	1.93E-45	5.07E-45
Cttnbp2	-1.60191	1.49E-45	3.92E-45
Dhrs4	-1.53756	1.37E-45	3.60E-45
Cables1	-3.48279	1.74E-45	4.57E-45
Cplx2	-2.06406	1.43E-45	3.78E-45
Mamstr	-2.80224	1.48E-45	3.90E-45
Snx17	-0.75523	9.23E-46	2.44E-45
Sec61g	-0.72803	8.27E-46	2.19E-45
Twist1	-5.45177	1.12E-45	2.94E-45
Pcyox1	-1.1111	7.10E-46	1.88E-45
Gm44022	-5.24247	1.04E-45	2.74E-45
Pkdcc	-4.00107	9.94E-46	2.62E-45
Dusp23	-1.48504	6.20E-46	1.64E-45
Plcg2	-5.07634	7.64E-46	2.02E-45
Apol10b	-5.39741	6.75E-46	1.79E-45
Fads1	-1.34575	4.51E-46	1.19E-45
Lrrc4c	-2.50794	4.72E-46	1.25E-45
Dpagt1	-1.54714	3.96E-46	1.05E-45
Mppe1	-3.9793	5.18E-46	1.37E-45
Wnt5b	-5.63478	5.64E-46	1.49E-45
Gm38066	-8.09273	5.38E-46	1.42E-45
Gm43508	-5.39111	4.96E-46	1.31E-45
Mid2	-2.58765	3.67E-46	9.73E-46
Ufc1	-0.69663	2.61E-46	6.93E-46
Eif4a2	-0.39442	2.36E-46	6.27E-46
Snx4	-1.10441	2.23E-46	5.93E-46
Folh1	-2.60842	2.83E-46	7.52E-46
Napepld	-2.02012	2.45E-46	6.51E-46
Pdcd4	-0.67196	1.96E-46	5.21E-46
Cyria	-2.95211	2.86E-46	7.58E-46
Il11ra1	-1.09996	2.00E-46	5.32E-46
Msl3l2	-3.50116	2.15E-46	5.73E-46

C1qtnf2	-6.06216	2.23E-46	5.94E-46
Pbx2	-1.036	1.33E-46	3.56E-46
Tulp3	-1.69145	1.18E-46	3.16E-46
Acsf2	-3.68151	1.23E-46	3.27E-46
Bcas3	-1.35652	9.41E-47	2.51E-46
Qrfpr	-2.97765	1.07E-46	2.86E-46
Ppp1r12a	-0.51909	6.62E-47	1.77E-46
Ctsw	-4.69166	1.14E-46	3.04E-46
Zfp771	-0.94588	6.68E-47	1.79E-46
Nr1d1	-0.65689	6.33E-47	1.70E-46
Notch2	-1.78955	7.39E-47	1.98E-46
G3bp1	-0.60293	3.54E-47	9.51E-47
Gpc4	-3.78624	5.30E-47	1.42E-46
Rrad	-4.29141	5.56E-47	1.49E-46
Mtmr12	-1.64035	2.82E-47	7.57E-47
Lix1l	-1.03948	2.54E-47	6.82E-47
Axin2	-0.9618	2.16E-47	5.81E-47
Hmx1	-2.34488	2.77E-47	7.43E-47
Nrxn3	-1.59404	2.29E-47	6.16E-47
Ap1s2	-0.79521	1.81E-47	4.87E-47
Kcnq1	-5.61985	2.89E-47	7.76E-47
Ebf2	-3.71859	2.52E-47	6.77E-47
Sting1	-4.83866	2.20E-47	5.93E-47
Samd5	-3.53155	1.98E-47	5.32E-47
Ltc4s	-4.67408	1.57E-47	4.24E-47
E230020D	-6.14393	1.09E-47	2.94E-47
Me3	-3.00591	8.71E-48	2.36E-47
Grb2	-0.73119	6.08E-48	1.65E-47
Ccm2	-1.5359	6.62E-48	1.79E-47
Tmem45a	-5.72521	9.89E-48	2.67E-47
Rgs10	-4.75577	9.29E-48	2.51E-47
Arhgef2	-0.6571	5.20E-48	1.41E-47
Ifi203-ps	-6.18134	9.15E-48	2.47E-47
Ctsa	-0.90981	4.45E-48	1.21E-47
Ctla2b	-7.16358	7.48E-48	2.02E-47
Sspn	-5.13285	6.30E-48	1.71E-47
Htatip2	-4.73755	5.40E-48	1.46E-47
Sorcs1	-2.04293	4.61E-48	1.25E-47
Emilin1	-4.14057	3.56E-48	9.67E-48
Gramd4	-3.24541	3.17E-48	8.62E-48
Tbx18	-7.02469	3.79E-48	1.03E-47
Ifi30	-1.50516	2.54E-48	6.92E-48
Hs3st1	-4.91398	3.41E-48	9.27E-48
Glis2	-1.53957	1.64E-48	4.47E-48
Mtpn	-0.58164	1.28E-48	3.50E-48
Pdia6	-0.67897	1.28E-48	3.50E-48
Gm37728	-4.43959	1.94E-48	5.30E-48

Col27a1	-3.28058	1.39E-48	3.78E-48
Bend5	-2.37132	1.10E-48	3.01E-48
Slc25a45	-5.22455	1.39E-48	3.80E-48
Pank1	-2.82928	1.16E-48	3.16E-48
Cmtm3	-4.18895	1.15E-48	3.14E-48
Pde4a	-2.82568	9.14E-49	2.50E-48
Xlr	-5.07112	9.25E-49	2.53E-48
5330406M	-3.78499	8.06E-49	2.21E-48
Begain	-2.26048	5.47E-49	1.50E-48
Actr2	-0.60561	3.58E-49	9.86E-49
Irf2	-0.64396	3.46E-49	9.54E-49
Fam111a	-5.27959	6.01E-49	1.65E-48
B3gnt2	-7.24699	6.44E-49	1.77E-48
Mtmr11	-2.59518	4.24E-49	1.17E-48
Tmem131	-0.84369	3.18E-49	8.76E-49
Zfpm1	-1.136	3.18E-49	8.77E-49
Tnip1	-1.37423	3.56E-49	9.79E-49
Slc24a3	-2.58243	3.85E-49	1.06E-48
Foxd1	-4.36715	4.12E-49	1.13E-48
Cdk2	-2.78044	3.17E-49	8.75E-49
Erp44	-1.02321	2.34E-49	6.45E-49
Hdac1	-0.76249	2.11E-49	5.83E-49
Zhx2	-2.69764	3.02E-49	8.33E-49
Exoc2	-1.06537	2.22E-49	6.14E-49
Chrdl1	-2.45857	3.03E-49	8.37E-49
Sestd1	-1.88762	2.30E-49	6.36E-49
Cacng4	-2.03144	2.53E-49	6.99E-49
Nck1	-0.70306	1.76E-49	4.86E-49
Hopx	-1.24396	1.91E-49	5.29E-49
Ampd3	-4.26201	2.38E-49	6.58E-49
Jam3	-1.30842	1.47E-49	4.07E-49
Arf1	-0.43967	1.26E-49	3.50E-49
Atp2a2	-0.53051	1.31E-49	3.64E-49
Erbin	-0.6452	1.23E-49	3.42E-49
Six5	-3.9589	1.70E-49	4.71E-49
Rassf1	-0.74636	9.67E-50	2.68E-49
Glb1	-3.96413	1.57E-49	4.33E-49
Il3ra	-2.89936	1.49E-49	4.14E-49
Cdc42ep2	-1.504	8.93E-50	2.48E-49
Ptk2	-0.7366	7.51E-50	2.09E-49
Tbc1d8b	-3.22399	5.55E-50	1.54E-49
Trp53i11	-3.90136	4.20E-50	1.17E-49
Med28	-0.63186	2.35E-50	6.54E-50
Magix	-7.14803	3.79E-50	1.05E-49
Sned1	-2.59651	2.55E-50	7.10E-50
Hrc	-5.12714	3.22E-50	8.97E-50
Isoc1	-0.97816	1.82E-50	5.07E-50

Dzip1l	-4.86574	2.05E-50	5.72E-50
Fblim1	-4.39831	1.56E-50	4.37E-50
Spats2l	-4.32567	1.57E-50	4.38E-50
Pdlim4	-2.12765	1.16E-50	3.25E-50
Ephb1	-2.20232	1.05E-50	2.95E-50
Mfsd10	-1.46257	8.30E-51	2.33E-50
9530082P	-1.4872	8.31E-51	2.33E-50
1500009L1	-3.99277	1.22E-50	3.41E-50
Cep112	-2.10056	7.89E-51	2.21E-50
Ptpn11	-0.67409	5.14E-51	1.44E-50
Epn2	-0.61338	4.67E-51	1.31E-50
Dio2	-2.67817	7.26E-51	2.04E-50
Shb	-4.70435	6.42E-51	1.80E-50
Shisa9	-2.86478	4.79E-51	1.35E-50
Smyd2	-2.09093	3.44E-51	9.69E-51
Cul7	-2.2621	2.92E-51	8.22E-51
Gm9889	-4.83915	3.70E-51	1.04E-50
Trim21	-4.64821	3.52E-51	9.91E-51
Hspa2	-1.22583	2.03E-51	5.73E-51
Tcf3	-1.06417	1.79E-51	5.05E-51
Samhd1	-0.79478	1.46E-51	4.13E-51
Trnp1	-1.52817	1.82E-51	5.14E-51
Klhl13	-3.1467	2.15E-51	6.05E-51
Scarf2	-3.59034	2.05E-51	5.77E-51
Lrrk2	-2.70444	1.89E-51	5.33E-51
Gas2l1	-1.47106	1.09E-51	3.07E-51
Ndufa13	-0.42512	8.36E-52	2.37E-51
Gm15270	-3.66675	1.41E-51	3.98E-51
Gm9917	-2.08001	8.00E-52	2.27E-51
Bahcc1	-2.55453	8.08E-52	2.29E-51
Rap2b	-1.78398	7.26E-52	2.06E-51
Atraid	-0.62643	5.55E-52	1.58E-51
1700025G	-2.06115	6.56E-52	1.86E-51
Manea	-1.89583	5.93E-52	1.68E-51
Stc1	-4.71892	8.29E-52	2.35E-51
Tfeb	-1.76703	5.66E-52	1.61E-51
Ppp1r1a	-1.5265	5.78E-52	1.64E-51
Gm26802	-4.81966	8.19E-52	2.32E-51
Rnf217	-2.58592	6.59E-52	1.87E-51
Zmpste24	-0.97425	3.91E-52	1.11E-51
Rab11b	-0.58858	3.57E-52	1.02E-51
Bckdha	-1.35803	4.06E-52	1.15E-51
Rnf144a	-2.0642	3.85E-52	1.10E-51
Agpat2	-3.61465	4.68E-52	1.33E-51
Myof	-1.95509	3.32E-52	9.47E-52
Plk3	-4.80509	4.19E-52	1.19E-51
Rnf38	-1.08653	2.48E-52	7.07E-52

Fzd8	-4.23854	3.98E-52	1.13E-51
Ankrd37	-0.90002	2.07E-52	5.93E-52
Lancl3	-5.37855	3.53E-52	1.01E-51
Nbeal2	-2.78477	2.84E-52	8.10E-52
Ehd1	-1.15725	2.01E-52	5.74E-52
Efh1	-2.15942	2.55E-52	7.29E-52
Trim25	-0.98882	1.84E-52	5.27E-52
Gm12216	-4.2792	2.77E-52	7.89E-52
Paqr8	-4.50019	2.61E-52	7.44E-52
Irak3	-4.30845	2.40E-52	6.85E-52
Slc38a10	-1.29261	1.41E-52	4.03E-52
Pgrmc1	-0.59386	1.15E-52	3.29E-52
lqsec2	-3.61782	1.90E-52	5.44E-52
Nras	-0.79148	1.06E-52	3.05E-52
Mob3b	-3.08747	1.76E-52	5.02E-52
Sos2	-0.84583	1.07E-52	3.07E-52
Rnf19b	-3.46357	1.57E-52	4.48E-52
Crnde	-3.95827	1.71E-52	4.89E-52
Bag1	-0.64166	6.37E-53	1.83E-52
Tmem245	-0.66193	5.87E-53	1.69E-52
Rnf187	-0.58634	4.93E-53	1.42E-52
Cadps	-1.98121	7.05E-53	2.03E-52
Slc7a2	-2.36686	6.47E-53	1.86E-52
Selenow	-0.37942	3.79E-53	1.09E-52
Fzd3	-1.60767	4.81E-53	1.38E-52
Pik3c2b	-4.26124	5.82E-53	1.68E-52
Grk5	-1.39253	2.89E-53	8.34E-53
Myl4	-4.72306	4.32E-53	1.25E-52
Mpc1	-0.63441	2.23E-53	6.46E-53
Pik3c2a	-0.69804	2.23E-53	6.44E-53
Slc7a7	-5.16836	4.48E-53	1.29E-52
Kremen1	-1.51273	2.58E-53	7.45E-53
Stxbp6	-3.71558	3.19E-53	9.20E-53
Rgs19	-4.28416	2.90E-53	8.37E-53
Arhgap1	-1.20543	1.57E-53	4.56E-53
Pcnx	-0.70037	1.41E-53	4.09E-53
Ldlrad4	-2.18987	1.76E-53	5.08E-53
Zic4	-4.3823	2.30E-53	6.67E-53
Polr2m	-0.61949	1.05E-53	3.04E-53
Rbbp7	-0.66451	9.58E-54	2.78E-53
Dnah8	-5.11154	1.65E-53	4.77E-53
Tmem71	-4.49673	1.55E-53	4.50E-53
Rpl22l1	-0.46386	7.13E-54	2.07E-53
Pacsin3	-2.04821	1.03E-53	2.98E-53
Tlnrd1	-1.19069	7.55E-54	2.20E-53
Frzb	-2.03583	6.39E-54	1.86E-53
Cflar	-0.73108	3.59E-54	1.05E-53

Pgf	-4.6115	7.13E-54	2.07E-53
Gm26632	-5.9407	4.18E-54	1.22E-53
Tom1l2	-0.88292	2.22E-54	6.50E-54
C1s1	-4.87241	3.89E-54	1.14E-53
Gm44639	-5.69584	4.13E-54	1.20E-53
Plp2	-4.3044	3.37E-54	9.84E-54
Rala	-0.65951	1.81E-54	5.30E-54
Rexo2	-0.68245	1.62E-54	4.75E-54
Elk4	-0.82668	1.50E-54	4.40E-54
Mrc2	-4.89154	2.60E-54	7.60E-54
Gm17501	-5.24656	2.57E-54	7.51E-54
Prrc2b	-0.53688	1.15E-54	3.39E-54
Tubb6	-6.02095	2.50E-54	7.32E-54
Tmem205	-0.97984	1.08E-54	3.18E-54
Cygb	-0.95174	1.07E-54	3.16E-54
Adcyap1r1	-4.81179	1.68E-54	4.91E-54
Fam241a	-1.39537	8.44E-55	2.48E-54
Islr	-5.20011	1.45E-54	4.25E-54
Cd83	-5.49694	1.23E-54	3.62E-54
Bcl7c	-1.01415	5.01E-55	1.47E-54
Trpv4	-4.32142	7.61E-55	2.24E-54
Specc1l	-0.7755	2.44E-55	7.20E-55
Ripor2	-4.29136	4.44E-55	1.31E-54
Polk	-0.80388	2.35E-55	6.94E-55
Cenpv	-2.16871	3.31E-55	9.75E-55
Mgat3	-3.86119	3.36E-55	9.90E-55
Gm37606	-4.56574	3.20E-55	9.43E-55
Flt3l	-2.68599	2.40E-55	7.10E-55
Rps6ka3	-0.81844	1.62E-55	4.80E-55
Fbxo32	-2.09747	1.94E-55	5.73E-55
Asah1	-0.96481	1.22E-55	3.60E-55
Nudt7	-2.43076	1.68E-55	4.98E-55
Prkar1b	-2.91393	1.63E-55	4.82E-55
Slc8b1	-3.40095	1.79E-55	5.30E-55
Npr2	-3.10009	1.60E-55	4.73E-55
Soga1	-4.25164	1.42E-55	4.22E-55
Gm47664	-5.4396	1.59E-55	4.70E-55
Smdt1	-0.44533	6.55E-56	1.95E-55
B3glct	-2.25304	8.74E-56	2.59E-55
Ttyh3	-1.7685	7.16E-56	2.13E-55
Htr1b	-4.86586	9.24E-56	2.74E-55
Psat1	-1.65472	5.87E-56	1.74E-55
Pip5k1c	-0.95542	3.81E-56	1.13E-55
Col8a1	-4.4462	6.86E-56	2.04E-55
Hecw2	-4.88408	5.86E-56	1.74E-55
Ppp1r12c	-0.81574	2.75E-56	8.20E-56
Six6	-1.38166	3.73E-56	1.11E-55

Npr1	-3.31313	4.40E-56	1.31E-55
Abca8b	-2.19279	2.71E-56	8.10E-56
Sos1	-0.84885	1.66E-56	4.97E-56
Fam217b	-3.43921	2.47E-56	7.35E-56
Sinhcaf	-2.4499	2.02E-56	6.02E-56
Dhcr24	-2.25023	1.88E-56	5.61E-56
Gm42449	-6.11907	2.25E-56	6.73E-56
Rab6a	-0.59975	9.05E-57	2.71E-56
Lrpap1	-0.75572	5.11E-57	1.54E-56
Gm45457	-1.94308	5.96E-57	1.79E-56
Prkx	-1.30529	4.31E-57	1.30E-56
Rtl8b	-1.10099	3.57E-57	1.07E-56
Ptpre	-4.58191	5.59E-57	1.68E-56
Ccdc184	-4.63832	5.27E-57	1.58E-56
Zfp820	-5.97029	4.24E-57	1.28E-56
Cdh2	-0.83735	2.02E-57	6.08E-57
Diras2	-1.87259	2.45E-57	7.39E-57
Lyl1	-4.9488	3.45E-57	1.04E-56
Igfbp5	-3.49096	3.01E-57	9.06E-57
Cys1	-2.6512	2.38E-57	7.17E-57
Akr1c14	-5.86498	2.53E-57	7.62E-57
Gm45223	-1.3674	1.03E-57	3.11E-57
Arpp19	-0.57142	6.79E-58	2.05E-57
Prkcd	-3.46277	1.31E-57	3.96E-57
Crebbp	-0.58605	6.39E-58	1.93E-57
Sfr1	-0.55927	5.67E-58	1.72E-57
Stard9	-1.25343	6.76E-58	2.05E-57
Utp14b	-1.13977	5.59E-58	1.69E-57
Cntfr	-2.14404	6.88E-58	2.08E-57
Rgs6	-1.70373	6.05E-58	1.83E-57
Cacna1c	-4.98969	9.36E-58	2.83E-57
Gm42684	-8.11811	9.36E-58	2.83E-57
Nectin2	-1.62725	4.02E-58	1.22E-57
Pygb	-1.40581	4.19E-58	1.27E-57
Egr3	-5.43866	4.79E-58	1.45E-57
Jam2	-0.57428	1.98E-58	6.02E-58
Nid2	-5.05793	3.94E-58	1.19E-57
Gkn3	-4.31603	3.99E-58	1.21E-57
Mnd1	-4.43693	3.51E-58	1.06E-57
Micu2	-1.29891	1.80E-58	5.46E-58
Syf2	-0.58089	1.45E-58	4.40E-58
Cd274	-3.73245	2.71E-58	8.22E-58
Tmem134	-0.82005	1.32E-58	4.02E-58
Bcap31	-0.6816	1.26E-58	3.83E-58
Txnrd3	-2.9688	2.21E-58	6.70E-58
Aldh1a1	-1.85688	1.66E-58	5.05E-58
Scarb2	-0.93484	1.01E-58	3.08E-58

Arhgap17	-0.86437	8.59E-59	2.62E-58
Fam20a	-4.95109	1.67E-58	5.07E-58
Cyp2j6	-2.93524	1.28E-58	3.90E-58
Mras	-1.44437	9.19E-59	2.80E-58
Folr1	-3.06562	1.24E-58	3.76E-58
Gvin2	-6.64792	1.09E-58	3.31E-58
4930556N	-4.45623	8.51E-59	2.60E-58
Mettl7a1	-1.94601	4.30E-59	1.31E-58
Tspan18	-3.95805	6.08E-59	1.86E-58
Pkia	-1.56471	3.64E-59	1.11E-58
Zfp275	-2.89387	4.67E-59	1.43E-58
Dtna	-2.16821	3.93E-59	1.20E-58
Anpep	-6.17355	5.33E-59	1.63E-58
Mideas	-1.84123	2.12E-59	6.49E-59
Dhrs1	-1.29629	1.61E-59	4.93E-59
Steap4	-4.64051	2.37E-59	7.27E-59
Rnaset2a	-1.23446	1.25E-59	3.84E-59
Sulf1	-2.17544	1.73E-59	5.31E-59
Gprc5b	-2.65976	1.67E-59	5.11E-59
Il17rc	-3.97382	1.82E-59	5.58E-59
Fat1	-2.82428	1.49E-59	4.58E-59
Shc1	-1.56835	9.62E-60	2.96E-59
Ilk	-0.882	7.22E-60	2.22E-59
Slc35d2	-5.12233	1.50E-59	4.60E-59
Gm42992	-4.05797	1.14E-59	3.50E-59
Tor1aip1	-0.66751	4.72E-60	1.46E-59
2200002D	-3.28562	7.55E-60	2.33E-59
Upp2	-2.4003	6.46E-60	1.99E-59
mt-Co2	-1.14047	4.59E-60	1.42E-59
Mbd3	-0.79848	3.67E-60	1.14E-59
Tshz1	-0.87647	3.63E-60	1.12E-59
Jdp2	-3.14306	5.84E-60	1.80E-59
Sox8	-2.98767	6.09E-60	1.88E-59
Map2k3	-1.31077	3.24E-60	1.00E-59
1700018A	-7.17627	6.28E-60	1.94E-59
Kcne4	-4.99731	5.40E-60	1.67E-59
Snn	-1.52453	2.82E-60	8.74E-60
Gm12866	-4.52307	4.65E-60	1.44E-59
Adap2os	-5.82995	4.47E-60	1.38E-59
Tmed10	-0.48515	1.39E-60	4.31E-60
Srebf2	-0.95491	1.51E-60	4.70E-60
Specc1	-1.63321	1.70E-60	5.28E-60
Prickle3	-4.24133	2.75E-60	8.53E-60
Gm9946	-6.93859	2.07E-60	6.44E-60
Gm48996	-4.89147	1.16E-60	3.62E-60
Arsa	-3.18408	6.44E-61	2.01E-60
Tspan15	-1.85319	5.54E-61	1.73E-60

Plxna1	-3.99913	7.94E-61	2.47E-60
Tgif1	-4.2765	7.46E-61	2.33E-60
Htra1	-1.11471	3.78E-61	1.18E-60
Ankrd6	-2.61221	5.11E-61	1.60E-60
Nrbp2	-2.54885	4.58E-61	1.43E-60
Cmtm7	-3.49216	3.47E-61	1.09E-60
Mta3	-3.67771	2.83E-61	8.87E-61
Hmg20b	-0.75618	1.22E-61	3.85E-61
Prelid2	-4.31251	2.70E-61	8.46E-61
Arhgap25	-6.59123	3.13E-61	9.79E-61
Gpr137b	-3.75218	2.77E-61	8.67E-61
Cert1	-0.58335	1.14E-61	3.57E-61
Slc22a15	-3.82038	1.79E-61	5.61E-61
Fhl1	-2.03214	1.26E-61	3.95E-61
Erbp2	-4.57693	1.92E-61	6.02E-61
Tmem50a	-0.51874	6.81E-62	2.15E-61
Msx1	-6.06117	1.27E-61	4.00E-61
Dapk1	-2.81203	9.26E-62	2.92E-61
Ston1	-4.24242	1.01E-61	3.16E-61
Hdlbp	-0.70426	4.43E-62	1.40E-61
Serpini1	-1.51317	6.26E-62	1.98E-61
Lims1	-0.69068	4.20E-62	1.33E-61
Srpr	-0.67912	3.82E-62	1.21E-61
Rrh	-2.32977	7.28E-62	2.30E-61
Prdx2	-0.50856	3.47E-62	1.10E-61
Kcnmb1	-5.27226	8.30E-62	2.62E-61
Kctd17	-1.58591	3.91E-62	1.24E-61
Mrpl52	-0.67261	2.86E-62	9.07E-62
Col1a2	-4.90741	6.99E-62	2.20E-61
Nck2	-4.12192	5.88E-62	1.86E-61
Ndst3	-4.84482	4.47E-62	1.41E-61
Pxmp4	-1.94095	2.18E-62	6.92E-62
Fuca1	-1.02066	1.55E-62	4.91E-62
Adamts9	-4.94402	3.00E-62	9.50E-62
Cyp20a1	-1.70522	1.57E-62	5.00E-62
Pde1c	-2.36184	2.07E-62	6.57E-62
mt-Nd6	-1.03107	1.17E-62	3.71E-62
Gm49266	-6.49166	1.78E-62	5.66E-62
Kcnk1	-2.6741	1.19E-62	3.78E-62
Cysltr2	-5.34075	1.46E-62	4.64E-62
Adamts5	-2.20559	9.49E-63	3.02E-62
Plekhh2	-1.59241	6.77E-63	2.16E-62
Lmo4	-1.03111	5.23E-63	1.67E-62
Olfml2a	-4.29844	9.77E-63	3.11E-62
Col9a1	-2.37229	6.54E-63	2.08E-62
Sbds	-0.70409	3.20E-63	1.02E-62
Manba	-4.45024	5.97E-63	1.90E-62

Tmem37	-5.04933	5.92E-63	1.89E-62
Tcirg1	-2.61633	3.11E-63	9.94E-63
Rftn2	-2.61166	2.90E-63	9.27E-63
Ppfibp2	-5.01672	3.99E-63	1.28E-62
Nek7	-0.70101	1.51E-63	4.83E-63
Pcdh9	-2.40558	2.29E-63	7.34E-63
Abca9	-6.38264	3.16E-63	1.01E-62
Kcnj2	-5.68588	2.68E-63	8.60E-63
Mpst	-2.5315	1.30E-63	4.18E-63
Ano10	-2.40932	1.21E-63	3.87E-63
Snx7	-4.99654	1.54E-63	4.95E-63
Lamb1	-4.38723	1.32E-63	4.24E-63
Map4k2	-1.00759	5.89E-64	1.89E-63
Fam174a	-0.82879	4.76E-64	1.53E-63
Wdr1	-0.8386	4.29E-64	1.38E-63
Gpr153	-2.58689	4.30E-64	1.38E-63
Trpm4	-3.20779	3.35E-64	1.08E-63
Rpl24	-0.5243	1.27E-64	4.12E-64
Slitrk2	-2.56467	2.79E-64	9.00E-64
Slc6a1	-2.01492	2.14E-64	6.92E-64
Arpc1a	-0.75808	1.16E-64	3.75E-64
Sh3pxd2b	-2.78727	2.03E-64	6.55E-64
Gm37390	-6.63255	2.68E-64	8.66E-64
Atp11c	-1.23486	1.03E-64	3.34E-64
Cntnap2	-2.15852	1.49E-64	4.82E-64
Dab1	-1.89109	1.19E-64	3.84E-64
F2r	-4.53704	1.72E-64	5.56E-64
Acot2	-2.44133	7.10E-65	2.30E-64
Gm1673	-1.65751	6.81E-65	2.21E-64
Tbca	-0.61125	4.06E-65	1.32E-64
Ehd3	-1.34988	5.08E-65	1.65E-64
Srp14	-0.53998	2.57E-65	8.37E-65
Akip1	-2.29274	4.83E-65	1.57E-64
Rab3d	-2.45618	4.25E-65	1.38E-64
Med21	-0.86968	2.34E-65	7.62E-65
Ccdc80	-5.32992	6.34E-65	2.06E-64
Reep1	-3.84048	4.50E-65	1.46E-64
Dnajb9	-1.02257	1.75E-65	5.69E-65
Ost4	-0.56905	1.38E-65	4.52E-65
Pld2	-3.40662	3.03E-65	9.85E-65
Grk2	-1.10309	1.23E-65	4.02E-65
Tmx3	-0.86007	8.63E-66	2.83E-65
Map3k5	-2.15359	1.45E-65	4.74E-65
H6pd	-4.68112	2.29E-65	7.47E-65
Ppp2r2a	-0.86518	7.97E-66	2.61E-65
Angptl2	-4.6722	1.66E-65	5.42E-65
Rit1	-1.26139	6.67E-66	2.19E-65

Ltbp3	-2.69973	1.01E-65	3.30E-65
Oaf	-3.38249	1.17E-65	3.82E-65
Asb4	-5.14462	1.26E-65	4.13E-65
H2aj	-0.77561	4.37E-66	1.44E-65
Scn1b	-3.27229	7.73E-66	2.53E-65
Hexb	-2.04377	9.21E-66	3.01E-65
Stx1a	-4.05856	8.53E-66	2.79E-65
Nr2f6	-1.32596	4.04E-66	1.33E-65
Gm30571	-6.58576	9.06E-66	2.96E-65
Cxcl16	-2.21099	4.98E-66	1.63E-65
Pdlim3	-2.14162	4.17E-66	1.37E-65
Capn1	-4.92596	6.17E-66	2.02E-65
Olfr558	-5.18584	6.31E-66	2.07E-65
Bach1	-1.1101	2.44E-66	8.05E-66
Tagln	-3.66399	3.78E-66	1.24E-65
Ism1	-5.59647	3.70E-66	1.22E-65
Pttg1	-0.78452	1.25E-66	4.14E-66
Pard6g	-3.09483	2.32E-66	7.65E-66
Gm14964	-4.59484	2.10E-66	6.93E-66
Tox2	-1.92465	1.25E-66	4.13E-66
Rpl36al	-0.76984	5.25E-67	1.74E-66
Kcna5	-3.46864	1.07E-66	3.54E-66
Rpl14-ps1	-0.72692	4.83E-67	1.60E-66
Sorl1	-1.64459	7.03E-67	2.32E-66
Eef2k	-2.51215	5.37E-67	1.78E-66
Minar2	-1.47427	4.23E-67	1.40E-66
Bicc1	-4.24166	6.54E-67	2.16E-66
Prorp	-2.96465	3.76E-67	1.25E-66
Ddx54	-1.25318	2.14E-67	7.10E-67
Dipk2b	-7.08133	5.43E-67	1.80E-66
Enho	-1.30655	2.28E-67	7.58E-67
Plekhh3	-1.65427	2.47E-67	8.19E-67
Denn2b	-1.4445	1.70E-67	5.66E-67
Rap1a	-0.63472	1.26E-67	4.21E-67
Pde1a	-4.54075	3.17E-67	1.05E-66
Ccdc152	-4.90751	3.05E-67	1.01E-66
Cd320	-1.02218	9.35E-68	3.12E-67
Csnk1g2	-0.85882	8.37E-68	2.79E-67
Hip1r	-1.27026	1.02E-67	3.41E-67
B4galt6	-2.43421	1.36E-67	4.51E-67
Tshz3	-3.80714	1.63E-67	5.42E-67
Rpl9	-0.34506	3.64E-68	1.22E-67
Nlgn1	-2.66199	7.00E-68	2.34E-67
Chchd2	-0.38097	2.37E-68	7.94E-68
Pxn	-1.04136	2.64E-68	8.85E-68
Gm48207	-4.18754	5.81E-68	1.94E-67
Gas1	-3.02301	5.06E-68	1.69E-67

BC064078	-2.02889	3.63E-68	1.21E-67
2900052N	-2.32759	3.64E-68	1.22E-67
Antxr1	-3.06269	3.14E-68	1.05E-67
Fgfr3	-4.48161	3.90E-68	1.30E-67
Hsd17b4	-1.22709	1.40E-68	4.71E-68
Tnfrsf11a	-4.92452	2.60E-68	8.70E-68
Dchs1	-3.7392	2.07E-68	6.96E-68
Tmc6	-5.15134	2.17E-68	7.27E-68
E130114P:	-1.64769	1.08E-68	3.64E-68
Ddr1	-2.2582	1.18E-68	3.97E-68
Gpx7	-3.50054	1.46E-68	4.91E-68
Aga	-3.4973	1.12E-68	3.76E-68
Vsig2	-5.43587	1.29E-68	4.32E-68
Trpv2	-4.55538	1.05E-68	3.52E-68
Palld	-2.89239	6.78E-69	2.28E-68
Fam117b	-0.91572	3.00E-69	1.01E-68
Tanc2	-2.57445	5.79E-69	1.95E-68
Gmpr	-2.92995	4.93E-69	1.66E-68
Gimap4	-5.96505	6.96E-69	2.34E-68
Rest	-1.03289	2.28E-69	7.69E-69
Ezr	-1.62919	1.91E-69	6.45E-69
Prrx1	-4.81096	3.44E-69	1.16E-68
Shisal2b	-1.59356	2.11E-69	7.14E-69
Plekho2	-2.54071	1.85E-69	6.26E-69
Sbno2	-1.33821	9.32E-70	3.17E-69
Pck2	-1.89477	9.49E-70	3.22E-69
Rhod	-3.62984	1.46E-69	4.94E-69
Dock10	-3.5181	1.11E-69	3.76E-69
Sertad2	-0.91301	4.91E-70	1.67E-69
Fam13a	-3.54255	1.12E-69	3.82E-69
Smim11	-0.77759	4.47E-70	1.52E-69
Il15ra	-5.39065	1.26E-69	4.29E-69
Rhobtb3	-2.2005	6.85E-70	2.33E-69
Erf	-1.48548	5.01E-70	1.71E-69
Cd38	-5.27596	1.15E-69	3.89E-69
Tmem64	-1.98248	4.38E-70	1.49E-69
Samd4	-3.17069	5.95E-70	2.03E-69
Ddost	-0.98198	2.73E-70	9.34E-70
Hspb2	-4.42023	6.63E-70	2.26E-69
Ccdc88c	-2.40213	3.33E-70	1.14E-69
Tomm7	-0.52871	1.18E-70	4.05E-70
Mis18a	-4.22521	3.62E-70	1.24E-69
Src	-2.64412	2.37E-70	8.10E-70
Ntn1	-5.00215	3.04E-70	1.04E-69
Clip3	-1.83394	1.56E-70	5.33E-70
Rheb	-0.64694	6.09E-71	2.10E-70
Pcbd2	-1.19464	7.86E-71	2.70E-70

Ly75	-2.71663	1.21E-70	4.17E-70
Cers6	-3.34939	1.15E-70	3.93E-70
Fkbp10	-4.46221	1.26E-70	4.34E-70
Arrb1	-2.65265	6.49E-71	2.23E-70
Gna12	-1.39872	3.78E-71	1.31E-70
Plpp1	-1.44	3.55E-71	1.23E-70
Col4a5	-3.30697	6.21E-71	2.14E-70
Gusb	-2.10609	3.98E-71	1.37E-70
Ndufa6	-0.54346	1.61E-71	5.56E-71
Bcl3	-4.39839	3.84E-71	1.32E-70
Epha5	-1.46482	2.77E-71	9.57E-71
Tmem59	-0.48253	1.19E-71	4.11E-71
B4galt5	-4.16852	1.38E-71	4.79E-71
Dusp2	-3.83163	1.26E-71	4.38E-71
Luzp2	-2.21441	5.59E-72	1.94E-71
Decr1	-1.81522	3.72E-72	1.29E-71
BC055402	-1.89208	4.60E-72	1.60E-71
Arf6	-1.05912	2.46E-72	8.58E-72
Pik3r3	-1.22362	1.74E-72	6.08E-72
Orai3	-2.16536	2.06E-72	7.17E-72
Asah2	-4.0211	2.56E-72	8.92E-72
Prmt2	-2.3888	1.92E-72	6.71E-72
Usp53	-0.91115	9.56E-73	3.35E-72
Lin7a	-2.74143	1.71E-72	5.97E-72
Slc16a12	-4.36051	2.04E-72	7.12E-72
Pkn3	-5.09559	2.42E-72	8.44E-72
Pde7b	-5.52602	2.61E-72	9.08E-72
Rab18	-0.67298	5.12E-73	1.79E-72
Rab33b	-2.15832	6.45E-73	2.26E-72
Erap1	-1.60797	3.99E-73	1.40E-72
Mmp14	-3.79008	8.34E-73	2.92E-72
P4hb	-0.79125	1.75E-73	6.16E-73
Cbr3	-3.07886	2.30E-73	8.10E-73
Insig1	-1.88006	1.36E-73	4.80E-73
Slc66a2	-1.25083	1.04E-73	3.67E-73
Tifa	-3.03871	1.77E-73	6.24E-73
Mt3	-1.36131	1.19E-73	4.18E-73
Sec24d	-3.20966	1.14E-73	4.03E-73
Klhl42	-4.06548	1.19E-73	4.20E-73
Wipi1	-0.96512	3.93E-74	1.39E-73
Cd40	-4.85737	9.05E-74	3.20E-73
Gucy1a2	-5.11411	7.98E-74	2.82E-73
Mdk	-2.80348	5.13E-74	1.81E-73
Scgb3a1	-5.21612	6.45E-74	2.28E-73
Birc3	-4.558	4.36E-74	1.54E-73
Rps18-ps6	-0.72065	1.41E-74	5.02E-74
Nsa2	-0.8081	1.35E-74	4.81E-74

Bax	-0.91368	1.25E-74	4.45E-74
Rem1	-5.93759	4.84E-74	1.71E-73
Bmp5	-3.48445	2.87E-74	1.02E-73
mt-Co3	-0.93257	9.36E-75	3.33E-74
Qsox1	-1.44499	8.91E-75	3.17E-74
Rnd3	-3.58132	1.66E-74	5.88E-74
Mgst3	-1.19495	5.88E-75	2.10E-74
Tmem159	-1.45708	5.56E-75	1.98E-74
Atf3	-1.39177	7.23E-75	2.57E-74
Mpnd	-1.78889	4.12E-75	1.47E-74
Ghr	-4.37447	6.95E-75	2.47E-74
Rgma	-3.78489	5.86E-75	2.09E-74
Tppp3	-2.3437	3.96E-75	1.42E-74
S1pr4	-4.53495	4.18E-75	1.49E-74
Prkcb	-2.70954	2.38E-75	8.52E-75
Zbtb16	-4.33418	3.06E-75	1.09E-74
Car5b	-2.71112	1.54E-75	5.53E-75
Nectin3	-1.67408	1.11E-75	3.97E-75
Gfod1	-4.04041	1.80E-75	6.46E-75
Atoh8	-5.03341	1.76E-75	6.32E-75
Pla2g4a	-4.13614	1.78E-75	6.37E-75
Bex3	-0.8806	4.87E-76	1.75E-75
Gcnt1	-4.9443	1.66E-75	5.94E-75
Snai2	-5.60411	1.64E-75	5.86E-75
Wscd1	-2.67548	8.91E-76	3.20E-75
Tpd52l1	-5.07363	1.19E-75	4.27E-75
Kif5c	-1.8261	4.27E-76	1.54E-75
Efemp1	-2.55537	6.58E-76	2.37E-75
Hsd17b10	-1.29909	3.05E-76	1.10E-75
Rrp1	-0.72482	2.25E-76	8.12E-76
Btd	-2.1928	4.85E-76	1.75E-75
Adamts1	-2.76286	4.70E-76	1.69E-75
Atp5e	-0.46198	1.26E-76	4.54E-76
Calhm2	-5.94034	6.36E-76	2.29E-75
Trim8	-1.08029	1.54E-76	5.56E-76
Stim2	-1.21416	1.62E-76	5.84E-76
Procr	-5.36922	4.57E-76	1.65E-75
Adss	-1.29496	1.45E-76	5.23E-76
Zfp979	-4.13881	3.72E-76	1.34E-75
Eif4ebp1	-2.34915	1.65E-76	5.95E-76
Serpinb1a	-4.66386	2.81E-76	1.01E-75
Baz1a	-4.69851	2.59E-76	9.33E-76
Fhl2	-5.7454	2.93E-76	1.06E-75
Ccdc91	-1.8696	7.28E-77	2.64E-76
Klhl24	-0.78259	3.51E-77	1.28E-76
Gdf11	-3.49193	9.90E-77	3.59E-76
Ddx60	-4.45749	1.07E-76	3.88E-76

Hspa5	-0.58689	2.45E-77	8.92E-77
Prox1	-2.18243	5.98E-77	2.17E-76
Ptpa	-0.78519	2.46E-77	8.98E-77
Spon1	-2.05927	5.82E-77	2.11E-76
Smad3	-3.61044	5.17E-77	1.88E-76
Tmem100	-5.71461	5.48E-77	1.99E-76
Arsb	-2.78473	3.15E-77	1.15E-76
Iffo2	-2.85687	3.11E-77	1.13E-76
Rnaseh2c	-0.87486	1.08E-77	3.97E-77
Notum	-5.3534	4.30E-77	1.56E-76
2310001H	-3.42723	2.93E-77	1.07E-76
Cstb	-0.92133	8.39E-78	3.07E-77
Nab2	-3.77273	2.72E-77	9.91E-77
Vat1l	-1.9839	1.62E-77	5.91E-77
Ralgds	-2.25534	9.80E-78	3.59E-77
Ltbp1	-3.81542	1.79E-77	6.54E-77
Sptlc2	-1.19747	5.00E-78	1.83E-77
Hlf	-0.88436	4.81E-78	1.77E-77
Ang	-5.87355	1.46E-77	5.32E-77
Nupr1	-1.55532	3.94E-78	1.45E-77
Heg1	-0.6631	2.34E-78	8.62E-78
Cep85l	-1.90314	3.86E-78	1.42E-77
Rftn1	-4.67299	7.94E-78	2.91E-77
P3h4	-3.0951	4.77E-78	1.75E-77
Coro1c	-1.30146	1.79E-78	6.58E-78
Znfx1	-1.31365	1.91E-78	7.04E-78
4833403J1	-5.0876	4.12E-78	1.51E-77
Rcbtb2	-2.39977	2.18E-78	8.03E-78
Ncoa3	-1.41757	1.02E-78	3.78E-78
Rgs2	-1.94816	1.39E-78	5.14E-78
Man1c1	-3.59431	1.55E-78	5.72E-78
Sox5	-3.08685	1.38E-78	5.10E-78
Il6ra	-4.9735	9.03E-79	3.34E-78
Ifit3b	-4.36943	8.10E-79	2.99E-78
Sdc3	-0.76251	1.85E-79	6.84E-79
Mboat2	-2.83198	3.74E-79	1.38E-78
Lbr	-1.08171	1.45E-79	5.38E-79
Nxpe2	-6.15818	5.68E-79	2.10E-78
Fes	-3.61569	2.93E-79	1.09E-78
Ube2l6	-3.75437	2.48E-79	9.21E-79
Inpp5a	-1.72073	9.08E-80	3.38E-79
Tmed5	-0.94261	5.49E-80	2.05E-79
Vamp3	-1.00064	4.72E-80	1.76E-79
Galnt18	-4.0912	1.68E-79	6.22E-79
Tnfaip8l1	-5.41604	1.61E-79	5.98E-79
Slc9a3r1	-1.58874	5.55E-80	2.07E-79
Wee1	-3.46679	7.80E-80	2.91E-79

Dsel	-4.62957	7.92E-80	2.95E-79
Inpp5d	-3.11078	4.11E-80	1.54E-79
Pitpna	-0.75975	1.32E-80	4.96E-80
Papss1	-1.27423	1.64E-80	6.16E-80
Slc25a39	-1.55644	2.10E-80	7.87E-80
Frmd6	-1.87244	2.10E-80	7.86E-80
Col18a1	-3.19983	2.62E-80	9.81E-80
Klhl4	-2.31837	1.73E-80	6.49E-80
Slfn2	-5.4843	3.40E-80	1.27E-79
Tram2	-4.49134	1.86E-80	6.95E-80
Parm1	-3.83696	1.76E-80	6.59E-80
Sema6b	-4.4075	1.83E-80	6.86E-80
Col23a1	-2.3919	1.06E-80	3.97E-80
Trip6	-2.73201	8.67E-81	3.26E-80
Tm9sf3	-0.62716	2.07E-81	7.80E-81
Rnpepl1	-1.22046	2.65E-81	9.97E-81
Smim3	-4.77182	9.33E-81	3.50E-80
Timeless	-3.62923	7.35E-81	2.76E-80
Abhd17a	-0.83352	1.51E-81	5.70E-81
Cox4i1	-0.42274	1.05E-81	3.96E-81
Slc36a4	-2.45766	3.09E-81	1.17E-80
Ncf2	-4.61836	5.77E-81	2.17E-80
Zfp423	-3.0198	3.30E-81	1.24E-80
Eps15	-1.07903	1.20E-81	4.51E-81
Cnp	-2.69305	1.99E-81	7.51E-81
Maf	-3.11719	1.43E-81	5.41E-81
Lpcat3	-1.50205	3.47E-82	1.31E-81
Gm48602	-5.67915	1.15E-81	4.35E-81
P4ha2	-3.97752	9.08E-82	3.43E-81
Pdcd10	-0.79771	1.76E-82	6.67E-82
Zfp362	-2.13954	2.54E-82	9.63E-82
Kalrn	-2.70742	2.63E-82	9.96E-82
Relb	-3.727	3.38E-82	1.28E-81
Acta2	-3.26315	3.17E-82	1.20E-81
Uqcc2	-0.66017	7.25E-83	2.76E-82
Foxf1	-5.10855	3.21E-82	1.22E-81
Ctsd	-0.84541	5.75E-83	2.19E-82
Pgm2	-3.19097	1.07E-82	4.07E-82
Fam43a	-2.01482	4.72E-83	1.80E-82
Serp2	-3.05146	7.90E-83	3.00E-82
Dgka	-3.98013	9.80E-83	3.72E-82
Ttc32	-3.24872	4.87E-83	1.85E-82
Sntb1	-2.347	3.84E-83	1.46E-82
Cdh11	-2.49094	3.13E-83	1.19E-82
Mospd2	-1.58022	1.51E-83	5.76E-83
Eps8l2	-4.68274	3.71E-83	1.41E-82
Tmem109	-1.03493	7.67E-84	2.94E-83

Mcm6	-3.23699	2.43E-83	9.29E-83
Gnai3	-1.13123	5.52E-84	2.12E-83
Eif3a	-0.59556	3.47E-84	1.33E-83
Mbd2	-0.81822	4.10E-84	1.58E-83
Crybg1	-5.48907	1.88E-83	7.20E-83
Atp8b1	-5.58876	1.83E-83	7.01E-83
Nsmce1	-1.29361	3.03E-84	1.17E-83
Prkacb	-0.88059	2.38E-84	9.17E-84
Rps6ka1	-3.54634	8.01E-84	3.07E-83
Gm44937	-7.09168	1.17E-83	4.47E-83
Trim65	-2.90092	3.73E-84	1.43E-83
Dop1b	-2.82485	2.57E-84	9.89E-84
Ppm1m	-4.36983	3.75E-84	1.44E-83
Arhgef6	-4.41076	3.07E-84	1.18E-83
Impa2	-4.57669	3.09E-84	1.19E-83
Tmem63a	-4.39419	2.70E-84	1.04E-83
Gm43923	-6.69517	2.90E-84	1.12E-83
Shfl	-3.23572	1.59E-84	6.13E-84
Cdc42se2	-1.34309	5.64E-85	2.19E-84
Ube2e2	-2.36117	1.12E-84	4.34E-84
Chmp5	-0.73897	3.66E-85	1.42E-84
Nckap5l	-4.24972	1.91E-84	7.38E-84
P2rx4	-3.17448	9.56E-85	3.70E-84
Tap1	-2.79198	5.73E-85	2.22E-84
Trf	-2.70148	7.45E-85	2.88E-84
Plbd2	-2.08656	2.85E-85	1.11E-84
Sgk3	-2.4587	2.65E-85	1.03E-84
Cd82	-3.78026	4.53E-85	1.76E-84
Ddhd2	-2.06646	1.56E-85	6.06E-85
Mark1	-2.93616	1.82E-85	7.07E-85
Mpp2	-2.78984	1.52E-85	5.91E-85
Slc6a11	-2.25364	1.40E-85	5.45E-85
Ddc	-5.27137	2.39E-85	9.28E-85
Gm37082	-5.60914	1.33E-85	5.17E-85
Phlda1	-3.04456	3.76E-86	1.47E-85
Lrg1	-3.84986	4.19E-86	1.64E-85
Nampt	-1.19123	9.26E-87	3.64E-86
Grk3	-3.19994	1.48E-86	5.81E-86
Klhl2	-1.18657	5.02E-87	1.98E-86
Plscr2	-4.26615	1.48E-86	5.82E-86
Angpt2	-4.13874	1.50E-86	5.88E-86
Sdf4	-0.76972	2.72E-87	1.07E-86
Rgs16	-3.45355	8.81E-87	3.46E-86
Fads3	-3.87254	9.13E-87	3.59E-86
Prdm5	-3.17242	4.65E-87	1.83E-86
Tbc1d9b	-1.63125	1.72E-87	6.80E-87
Phactr4	-1.0374	7.00E-88	2.78E-87

Sun2	-2.04752	1.30E-87	5.16E-87
Fbln2	-5.34729	3.33E-87	1.32E-86
Fth1	-0.40431	4.64E-88	1.84E-87
Rpn2	-0.81933	4.02E-88	1.60E-87
Epha2	-3.81591	1.23E-87	4.86E-87
Selenon	-2.62145	9.45E-88	3.75E-87
Ptpn12	-1.20839	3.78E-88	1.51E-87
5330432J1	-3.35177	8.98E-88	3.56E-87
Pdcd6ip	-0.99719	2.94E-88	1.17E-87
Syn3	-3.86571	1.13E-87	4.49E-87
Kank4	-5.90004	1.45E-87	5.73E-87
Nt5c2	-1.22895	2.39E-88	9.54E-88
Syt15	-3.77133	9.70E-88	3.84E-87
Mtss2	-2.22739	4.80E-88	1.91E-87
Synpo	-4.59301	9.41E-88	3.73E-87
Spata6	-1.75495	2.60E-88	1.04E-87
Nfatc4	-4.15002	6.70E-88	2.66E-87
Apobec3	-4.58195	7.09E-88	2.82E-87
Far2	-3.86325	4.11E-88	1.64E-87
Ccdc9b	-4.42181	4.11E-88	1.64E-87
Ppp1r15a	-1.44922	1.03E-88	4.11E-88
Sh3d19	-4.76465	2.80E-88	1.12E-87
mt-Atp8	-0.68725	4.58E-89	1.84E-88
Ttl	-3.83886	2.28E-88	9.09E-88
Dnase1l1	-2.51488	1.29E-88	5.15E-88
Cmip	-1.47719	7.15E-89	2.87E-88
Slc30a10	-4.13567	1.65E-88	6.60E-88
Gamt	-1.95192	5.02E-89	2.01E-88
Stx12	-0.96672	1.19E-89	4.81E-89
Stard3nl	-1.35055	1.33E-89	5.38E-89
Pld1	-4.81436	4.81E-89	1.93E-88
Bcl2l12	-4.57688	4.34E-89	1.74E-88
Rnf144b	-1.13648	7.56E-90	3.06E-89
Tgoln1	-0.83756	5.84E-90	2.36E-89
Bcl6b	-5.17348	4.06E-89	1.63E-88
Comt	-1.20646	7.25E-90	2.93E-89
Gm48204	-4.72026	2.94E-89	1.18E-88
Ldb1	-1.40873	5.87E-90	2.37E-89
Rpl7a	-0.50998	1.70E-90	6.92E-90
Ginm1	-1.06395	2.15E-90	8.71E-90
Herc6	-4.00531	9.58E-90	3.87E-89
Tapbp1	-3.30733	6.07E-90	2.45E-89
Sobp	-2.72015	4.98E-90	2.01E-89
Ptpn9	-2.02897	1.84E-90	7.45E-90
Cpne3	-0.9185	6.84E-91	2.79E-90
Tead4	-6.52913	3.33E-90	1.35E-89
Pip5k1b	-2.85929	1.63E-90	6.63E-90

Rpl13a	-0.7771	2.85E-91	1.16E-90
Fmo5	-5.26421	1.53E-90	6.22E-90
Ralbp1	-0.69581	1.39E-91	5.70E-91
Chmp2b	-1.26147	1.97E-91	8.05E-91
Ugp2	-1.34352	1.53E-91	6.27E-91
Pla1a	-6.00754	7.85E-91	3.20E-90
Npm1	-0.60404	5.99E-92	2.46E-91
Gm32688	-5.40516	4.65E-91	1.90E-90
Map3k8	-3.63643	2.34E-91	9.57E-91
Gsn	-3.78153	2.47E-91	1.01E-90
Rhpn2	-2.50854	1.49E-91	6.11E-91
Rab31	-3.95254	2.23E-91	9.09E-91
Svbp	-1.44384	5.94E-92	2.44E-91
Ndufa7	-0.55646	2.25E-92	9.27E-92
Rhog	-2.09997	6.80E-92	2.79E-91
Nos3	-0.95245	2.52E-92	1.04E-91
Cemip2	-2.06398	3.49E-92	1.44E-91
Eif3k	-0.69141	8.76E-93	3.62E-92
Ubxn1	-0.71444	6.20E-93	2.56E-92
Mr1	-4.02726	4.17E-92	1.71E-91
Meox1	-5.6884	4.82E-92	1.98E-91
Hspb8	-5.13331	2.49E-92	1.03E-91
Mgst1	-3.63868	1.62E-92	6.67E-92
Nfatc1	-6.09509	2.06E-92	8.47E-92
Btg2	-0.67574	2.67E-93	1.11E-92
Skp1	-0.76979	1.56E-93	6.47E-93
Gng2	-3.74464	7.35E-93	3.04E-92
Msrb2	-3.58678	5.50E-93	2.27E-92
Rack1	-0.49153	6.51E-94	2.71E-93
Tmem254i	-3.0407	3.01E-93	1.25E-92
Gab2	-3.52394	2.23E-93	9.25E-93
Trp53	-1.91135	1.14E-93	4.74E-93
Nynrin	-3.21438	1.69E-93	7.01E-93
Thrsp	-2.61687	1.33E-93	5.52E-93
Pcolce	-3.52787	2.30E-93	9.52E-93
Psme2b	-6.1288	3.41E-93	1.41E-92
Usp18	-4.93746	2.45E-93	1.02E-92
Tmem160	-0.97353	2.18E-94	9.14E-94
Tspan6	-5.18721	9.99E-94	4.16E-93
L3mbtl3	-4.02245	4.85E-94	2.02E-93
Abat	-2.15023	2.37E-94	9.90E-94
Pdpf	-0.98756	7.86E-95	3.30E-94
Vegfc	-5.15042	4.07E-94	1.70E-93
Ifit2	-4.9188	3.72E-94	1.55E-93
AU020206	-5.10769	2.61E-94	1.09E-93
Morrbid	-4.5871	1.94E-94	8.13E-94
Gbe1	-1.34526	3.87E-95	1.63E-94

Smim10l1	-0.83414	2.06E-95	8.68E-95
Igfbp4	-3.24703	4.92E-95	2.07E-94
Meg3	-2.11351	2.95E-95	1.24E-94
Evi5	-0.96376	1.02E-95	4.30E-95
Bloc1s1	-1.49971	1.43E-95	6.04E-95
Tmem238	-2.90942	2.75E-95	1.16E-94
Casp12	-5.503	4.23E-95	1.78E-94
Rhobtb1	-1.56074	7.13E-96	3.01E-95
Rps17	-0.46592	1.03E-96	4.36E-96
Map1lc3b	-0.66763	1.06E-96	4.49E-96
Adgra3	-3.78646	8.66E-96	3.66E-95
Farp1	-2.74016	3.69E-96	1.56E-95
9530026P1	-6.83997	7.46E-96	3.15E-95
Tfdp2	-1.47012	9.83E-97	4.18E-96
Mn1	-4.81396	4.31E-96	1.82E-95
Tmem47	-3.27515	2.63E-96	1.12E-95
Spsb1	-5.07644	4.02E-96	1.70E-95
Nrgn	-4.44613	2.63E-96	1.12E-95
Nde1	-1.67805	8.03E-97	3.42E-96
Cdkn2b	-5.4147	2.94E-96	1.25E-95
Metrn	-1.63021	4.39E-97	1.87E-96
Pard3	-1.28767	2.16E-97	9.23E-97
Cd99l2	-2.29061	4.03E-97	1.72E-96
Mtch1	-0.91498	1.05E-97	4.50E-97
Pfn2	-0.94882	1.49E-97	6.39E-97
Isyna1	-1.16846	1.08E-97	4.63E-97
Sub1	-0.65599	5.96E-98	2.56E-97
Tnfrsf1b	-4.87338	4.89E-97	2.08E-96
Iscu	-1.01714	4.28E-98	1.84E-97
Ywhaq	-0.63553	2.89E-98	1.25E-97
Tlr3	-4.37965	2.13E-97	9.08E-97
Prex1	-3.03312	1.28E-97	5.50E-97
Stk10	-3.84583	2.25E-97	9.59E-97
Slmap	-0.92784	3.47E-98	1.50E-97
Ncor2	-1.24787	2.66E-98	1.15E-97
Tbxa2r	-5.49638	1.83E-97	7.82E-97
Map3k6	-5.21697	1.46E-97	6.23E-97
Foxs1	-4.65272	1.24E-97	5.34E-97
Carmn	-6.01801	1.50E-97	6.40E-97
Gimap9	-6.0789	1.44E-97	6.16E-97
Cacna2d1	-3.49105	6.30E-98	2.71E-97
Rasl12	-4.76092	6.13E-98	2.63E-97
Tmod2	-2.00597	1.57E-98	6.80E-98
Ddr2	-4.85329	4.87E-98	2.10E-97
Cers2	-1.31871	7.18E-99	3.11E-98
Carhsp1	-2.87146	1.64E-98	7.11E-98
Cyp26b1	-5.39179	3.85E-98	1.66E-97

Anapc5	-0.99686	3.51E-99	1.52E-98
Rock1	-0.67751	2.21E-99	9.61E-99
Mcub	-5.25629	1.92E-98	8.30E-98
Drap1	-0.73774	1.42E-99	6.21E-99
Ajap1	-5.4249	1.69E-98	7.31E-98
Sh3tc1	-5.33881	1.70E-98	7.37E-98
Fnbp1	-2.0941	1.92E-99	8.34E-99
Csf1	-4.46592	4.60E-99	2.00E-98
G0s2	-4.78969	4.72E-99	2.05E-98
Dram2	-1.23847	6.52E-100	2.85E-99
Ptgfrn	-4.36607	3.07E-99	1.34E-98
Hcfc1r1	-0.92442	4.20E-100	1.84E-99
Sec61b	-0.78627	3.54E-100	1.55E-99
Ppm1k	-3.68127	1.18E-99	5.15E-99
Maff	-5.00992	1.62E-99	7.05E-99
Fndc3b	-1.48295	1.94E-100	8.51E-100
Gdi2	-0.73325	4.02E-101	1.76E-100
Vsx2	-2.12352	1.55E-100	6.77E-100
Serinc1	-0.74541	2.75E-101	1.21E-100
St6galnac4	-3.90877	2.20E-100	9.64E-100
Rab11fip5	-2.20521	9.32E-101	4.08E-100
Tbx3os1	-4.68582	9.75E-101	4.27E-100
Psma6	-0.79624	8.31E-102	3.67E-101
Uba7	-3.17752	4.49E-101	1.97E-100
Ripk1	-2.22056	1.99E-101	8.78E-101
Plscr1	-3.48933	3.12E-101	1.37E-100
Osbp1a	-0.94732	4.08E-102	1.81E-101
Enpp2	-2.17311	1.71E-101	7.55E-101
Cyb5b	-1.3239	3.72E-102	1.65E-101
Mmp15	-2.47723	1.10E-101	4.86E-101
Rnd2	-1.45584	4.24E-102	1.87E-101
Rps15	-0.43964	9.50E-103	4.23E-102
Hlx	-6.20108	2.31E-101	1.02E-100
Unc93b1	-4.72416	1.61E-101	7.08E-101
Lamp2	-0.96298	1.69E-102	7.52E-102
Parp8	-3.11344	5.73E-102	2.53E-101
Htra3	-4.35166	9.27E-102	4.09E-101
Lap3	-1.79342	2.39E-102	1.06E-101
Phxr4	-4.17183	7.62E-102	3.37E-101
Gm15998	-5.94888	8.66E-102	3.83E-101
Plcl1	-2.79118	2.71E-102	1.20E-101
Tmbim1	-1.54181	7.76E-103	3.45E-102
Sox2	-2.4771	1.64E-102	7.27E-102
2810025M	-1.17072	2.76E-103	1.23E-102
Six3os1	-2.15102	7.13E-103	3.17E-102
Pgap4	-3.85139	1.14E-102	5.07E-102
Mdfic	-4.32566	1.32E-102	5.85E-102

Atp13a5	-4.49218	9.95E-103	4.43E-102
Atp5j	-0.53977	5.94E-104	2.66E-103
Susd6	-1.39159	1.20E-103	5.35E-103
GImp	-1.44724	1.08E-103	4.85E-103
Gstm7	-4.44673	4.99E-103	2.22E-102
Vangl2	-2.72826	1.74E-103	7.77E-103
Sdc2	-1.28922	7.99E-104	3.58E-103
Emc10	-1.14436	3.40E-104	1.53E-103
Acbd6	-1.47495	3.24E-104	1.46E-103
Spata6l	-2.94405	7.14E-104	3.20E-103
Hadh	-1.26051	1.65E-104	7.46E-104
Adora2a	-5.70391	9.73E-104	4.36E-103
Pth1r	-3.46334	4.43E-104	1.99E-103
Ch25h	-5.25288	9.05E-104	4.06E-103
Lpar4	-6.33994	9.89E-104	4.43E-103
Ldhb	-1.0414	7.78E-105	3.51E-104
Gfra2	-3.50197	3.76E-104	1.69E-103
Itgav	-1.79917	9.83E-105	4.44E-104
Pnp	-1.31243	4.47E-105	2.02E-104
Shroom1	-5.13041	2.01E-104	9.04E-104
Ptprd	-1.83515	6.19E-105	2.80E-104
Rhbdf1	-3.92915	1.03E-104	4.66E-104
Crispld1	-5.08853	1.32E-104	5.95E-104
Elob	-0.57608	6.16E-106	2.80E-105
Ccdc102a	-4.79595	1.17E-104	5.28E-104
Mvp	-2.37692	3.42E-105	1.55E-104
Arf4	-0.89064	8.57E-106	3.89E-105
Gipc3	-5.07395	6.76E-105	3.05E-104
Synpr	-2.30626	1.40E-105	6.37E-105
Ajuba	-3.84479	1.61E-105	7.30E-105
Als2cl	-5.30104	1.97E-105	8.94E-105
Slc25a30	-3.14886	7.76E-106	3.52E-105
Six3	-1.77388	3.77E-106	1.71E-105
Zic5	-4.30198	1.00E-105	4.54E-105
Mfge8	-0.74523	1.04E-106	4.77E-106
Zfp608	-2.22205	2.42E-106	1.10E-105
Mospd1	-1.54189	1.03E-106	4.69E-106
Cpq	-3.75106	4.76E-106	2.16E-105
Rela	-1.45695	8.08E-107	3.69E-106
Rgs7bp	-4.04916	4.13E-106	1.88E-105
Smo	-3.48442	2.90E-106	1.32E-105
Rpl4	-0.54983	1.87E-107	8.59E-107
Coq10b	-1.53365	3.93E-107	1.80E-106
Pde2a	-5.4435	2.50E-106	1.14E-105
Mir100hg	-3.62164	1.49E-106	6.79E-106
Pkn1	-1.37732	2.60E-107	1.19E-106
Rab7	-0.87431	1.13E-107	5.19E-107

Herpud1	-1.15396	9.17E-108	4.22E-107
Mapt	-2.51944	3.54E-107	1.62E-106
Csrnp1	-4.03638	6.67E-107	3.05E-106
Btbd3	-1.85797	1.58E-107	7.27E-107
Mxra8	-4.20666	6.16E-107	2.82E-106
Pold4	-1.76388	8.86E-108	4.08E-107
Pdlim1	-4.0428	3.70E-107	1.69E-106
Tox3	-2.32289	1.37E-107	6.28E-107
Syt11	-2.11786	8.03E-108	3.70E-107
Rpl3	-0.52064	1.26E-108	5.82E-108
Ywhaz	-0.61067	1.25E-108	5.76E-108
Icam1	-4.92905	2.15E-107	9.85E-107
Casp6	-2.69929	5.12E-108	2.36E-107
Hmgn3	-1.24436	1.25E-108	5.80E-108
Tceal9	-0.85226	6.13E-109	2.84E-108
Lats2	-1.09623	7.08E-109	3.28E-108
Phf11d	-5.15677	6.63E-108	3.06E-107
Lrrc8a	-1.30243	5.27E-109	2.44E-108
Oaz2	-1.01427	2.61E-109	1.21E-108
Plod2	-3.48415	1.53E-108	7.06E-108
Shank3	-5.21669	1.61E-108	7.42E-108
Stx7	-1.23952	6.80E-110	3.17E-109
D8Erttd738	-0.75106	3.04E-110	1.42E-109
Gmds	-3.12358	1.92E-109	8.92E-109
Zfp945	-3.11473	2.70E-109	1.26E-108
Tspan2	-5.22598	4.93E-109	2.29E-108
Rcan2	-3.53119	1.83E-109	8.49E-109
Gsdmd	-5.38711	1.32E-109	6.13E-109
Gm44220	-5.56103	1.25E-109	5.84E-109
Sbspon	-2.94038	6.24E-110	2.92E-109
Stk24	-1.6704	1.28E-110	6.02E-110
Pdpn	-2.9608	6.28E-110	2.93E-109
Mafk	-2.75194	2.16E-110	1.01E-109
Tmem14c	-1.1164	3.91E-111	1.84E-110
Ssr4	-0.96027	3.32E-111	1.57E-110
Cdc42se1	-1.79388	7.56E-111	3.56E-110
Vsig10	-4.86104	4.44E-110	2.07E-109
Dach1	-1.47168	5.93E-111	2.79E-110
Aph1a	-1.25102	2.77E-111	1.31E-110
Rab5c	-1.00253	1.39E-111	6.59E-111
Fbxo2	-1.77768	4.90E-111	2.31E-110
Tpcn1	-1.70967	3.27E-111	1.55E-110
Pfdn5	-0.54193	6.51E-112	3.08E-111
Nuak1	-4.67041	1.49E-110	6.97E-110
Acads	-3.40507	7.70E-111	3.62E-110
Ak3	-1.20779	4.50E-112	2.13E-111
Runx1t1	-3.16437	1.93E-111	9.10E-111

Il33	-2.07101	1.51E-111	7.14E-111
Atf5	-2.18966	1.18E-111	5.57E-111
Unc13c	-1.86347	5.82E-112	2.76E-111
Paqr7	-2.56473	7.82E-112	3.70E-111
Kcnj10	-2.86738	8.27E-112	3.91E-111
Tead2	-3.12182	4.22E-112	2.00E-111
Rbms3	-4.70643	5.98E-112	2.83E-111
Sh3rf1	-3.46015	2.35E-112	1.12E-111
Rab13	-1.64921	2.16E-113	1.03E-112
Pdcd6	-1.13305	8.40E-114	4.01E-113
Arhgef12	-0.69105	4.64E-114	2.22E-113
Kif5b	-0.60257	3.46E-114	1.66E-113
Layn	-5.95901	9.78E-113	4.65E-112
Dusp16	-3.03394	2.66E-113	1.27E-112
Prkd3	-1.22838	4.21E-114	2.02E-113
Rnf130	-1.30762	3.51E-114	1.68E-113
Vkorc1	-2.16694	3.56E-114	1.70E-113
Csgalnact1	-5.43284	1.46E-113	6.97E-113
Lncpint	-4.35262	4.94E-114	2.36E-113
Arfgap3	-3.12099	3.38E-114	1.62E-113
Spns2	-4.71292	6.11E-114	2.92E-113
Dact1	-4.79415	6.21E-114	2.96E-113
Hipk1	-0.97623	2.96E-115	1.43E-114
Spry4	-4.10287	2.92E-114	1.40E-113
Map3k11	-1.91158	4.92E-115	2.37E-114
Itprid2	-1.05574	2.30E-115	1.11E-114
Pak3	-1.77458	4.85E-115	2.33E-114
Snx9	-2.12314	2.78E-115	1.34E-114
Smad6	-4.88492	1.25E-114	6.00E-114
Arhgef40	-3.70043	8.43E-115	4.05E-114
Mical1	-4.2807	4.30E-115	2.07E-114
Flrt2	-3.53077	4.45E-115	2.14E-114
Mustn1	-4.73547	5.73E-115	2.75E-114
Efnb1	-2.30768	1.27E-115	6.13E-115
Slc12a7	-4.30315	3.12E-115	1.50E-114
Mlc1	-2.40795	2.14E-115	1.03E-114
Lfng	-4.77947	3.12E-115	1.50E-114
Sp110	-5.71882	1.23E-115	5.93E-115
mt-Nd5	-0.59999	2.51E-117	1.22E-116
Vamp8	-0.95291	3.50E-117	1.71E-116
Slc49a4	-2.7278	9.98E-117	4.85E-116
Zdhhc18	-2.01429	2.75E-117	1.34E-116
Bnip2	-0.778	5.59E-118	2.74E-117
Maged2	-2.06962	2.36E-117	1.15E-116
Cdc42ep5	-5.13677	1.14E-116	5.53E-116
Cdc42bpb	-1.19356	7.49E-118	3.67E-117
Tgfa	-4.02513	5.67E-117	2.77E-116

Sft2d2	-1.89165	1.11E-117	5.43E-117
Itga7	-4.42069	3.73E-117	1.82E-116
Tfpi	-4.62692	2.06E-117	1.01E-116
Bri3	-0.77098	5.66E-119	2.80E-118
Git1	-1.56059	1.43E-118	7.03E-118
Adm	-5.32173	1.08E-117	5.27E-117
Pianp	-3.92737	1.86E-118	9.14E-118
Gstt1	-2.35404	8.44E-119	4.16E-118
Nab1	-1.42616	2.19E-119	1.08E-118
Inpp5f	-2.37086	4.48E-119	2.21E-118
Pax6	-1.99487	4.32E-119	2.14E-118
Steap3	-5.17705	1.67E-118	8.23E-118
Tmem256	-0.89606	5.46E-120	2.72E-119
Dnm2	-1.14412	6.35E-120	3.16E-119
Rabac1	-0.60847	3.36E-120	1.67E-119
Akt1	-1.35328	8.05E-120	4.00E-119
Afap1	-2.77333	2.13E-119	1.05E-118
Ogn	-5.36248	6.85E-119	3.38E-118
Enpep	-5.23567	4.34E-119	2.15E-118
Skil	-1.26931	2.57E-120	1.28E-119
St6gal1	-4.53247	2.01E-119	9.99E-119
Nrarp	-3.13028	7.53E-120	3.75E-119
Pik3r6	-6.11117	2.81E-119	1.39E-118
Ccnd3	-1.17425	7.36E-121	3.69E-120
Gtf2i	-0.94966	4.92E-121	2.47E-120
Irf9	-1.8156	1.19E-120	5.98E-120
Plcb3	-3.53342	6.17E-120	3.07E-119
Mta1	-1.89598	8.53E-121	4.27E-120
Egfl8	-3.56063	3.67E-120	1.83E-119
Rfk	-1.47036	2.48E-121	1.24E-120
Tal1	-5.11319	2.62E-120	1.30E-119
Il4ra	-4.92697	1.99E-120	9.92E-120
Selenof	-0.65232	3.18E-122	1.61E-121
Dennd5a	-0.94078	5.20E-122	2.62E-121
Slc12a2	-1.38507	1.24E-121	6.24E-121
Stat5b	-2.79155	1.77E-121	8.87E-121
Slc12a4	-4.15422	4.98E-121	2.49E-120
Arhgap6	-3.39871	3.01E-121	1.51E-120
Gltp	-1.95594	4.98E-122	2.51E-121
Zbtb46	-2.71106	9.99E-122	5.04E-121
Cdk14	-2.74016	1.08E-121	5.46E-121
Gm609	-6.41161	3.64E-121	1.83E-120
Cntn1	-2.2552	6.59E-122	3.33E-121
Maob	-4.39441	1.35E-121	6.79E-121
Il34	-5.11483	1.35E-121	6.77E-121
Cdh13	-5.58387	1.05E-121	5.30E-121
Septin10	-2.25532	9.65E-123	4.91E-122

Irag1	-5.26849	5.59E-122	2.82E-121
Stap2	-5.02148	3.79E-122	1.92E-121
Trim34a	-4.99318	3.40E-122	1.72E-121
Spred2	-2.52063	5.32E-123	2.70E-122
Tcf7l1	-3.31187	7.56E-123	3.84E-122
Fkbp7	-2.56419	3.12E-123	1.59E-122
Heyl	-5.07096	1.18E-122	5.99E-122
Gbp5	-5.35053	1.32E-122	6.70E-122
Tm9sf2	-1.01049	3.67E-124	1.89E-123
Gyg	-2.48986	1.83E-123	9.35E-123
Anxa4	-3.82342	2.20E-123	1.12E-122
Slc1a3	-1.97863	1.08E-123	5.52E-123
Irgm2	-5.20557	2.25E-123	1.15E-122
Mgat4b	-2.77718	4.59E-124	2.35E-123
Arpc5	-1.07372	4.24E-125	2.19E-124
Cd302	-3.47151	4.45E-124	2.28E-123
Itpril1	-5.82035	1.17E-123	5.96E-123
Lipe	-2.29194	7.43E-125	3.83E-124
Gpr160	-4.83096	4.55E-124	2.33E-123
Rin3	-5.34751	5.14E-124	2.63E-123
Chst15	-5.34961	4.13E-124	2.12E-123
Apod	-4.43577	2.86E-124	1.47E-123
Mall	-5.12731	1.83E-124	9.39E-124
Tle1	-1.86091	1.67E-125	8.64E-125
Smad1	-1.27085	5.01E-126	2.60E-125
Mtap	-3.52738	2.30E-125	1.19E-124
Cped1	-4.42408	4.50E-125	2.32E-124
Ldb2	-3.78155	2.70E-125	1.40E-124
Tmem88	-5.33137	4.40E-125	2.27E-124
Etv1	-3.18891	1.62E-125	8.38E-125
Nav2	-3.10712	1.29E-125	6.67E-125
Cpne2	-4.74138	2.64E-125	1.36E-124
Sox9	-2.66403	1.44E-125	7.49E-125
Abca8a	-1.75287	3.06E-126	1.59E-125
Ddit4l	-3.86012	7.55E-126	3.92E-125
Itga5	-4.51898	4.04E-126	2.10E-125
Gm15666	-4.9745	4.51E-126	2.35E-125
Plxdc1	-4.76667	4.06E-126	2.11E-125
Poglut3	-5.23251	4.96E-126	2.58E-125
Ocel1	-1.92992	3.04E-127	1.59E-126
Pald1	-5.29213	3.66E-126	1.91E-125
Atl3	-1.35894	1.42E-127	7.44E-127
Edn3	-5.2769	2.71E-126	1.41E-125
Tnks1bp1	-1.96639	3.07E-127	1.61E-126
Ctnnd1	-1.26788	6.28E-128	3.30E-127
H2-Q6	-4.84497	1.13E-126	5.91E-126
Uba52	-0.73698	1.64E-128	8.64E-128

Anxa7	-1.19223	7.94E-129	4.18E-128
Arhgef28	-3.86489	1.72E-127	9.00E-127
Dynlt3	-1.11674	5.87E-129	3.10E-128
Acot9	-3.53722	6.55E-128	3.44E-127
Fam114a1	-4.46908	9.54E-128	5.00E-127
Calm3	-0.83813	1.78E-129	9.45E-129
Ifi44	-6.42605	8.41E-128	4.41E-127
Psd3	-2.36899	7.79E-129	4.11E-128
Slc44a2	-2.13581	6.28E-129	3.31E-128
Sncg	-3.4456	1.88E-128	9.90E-128
C230096K	-4.2137	2.06E-128	1.08E-127
Bcr	-1.64048	1.90E-129	1.01E-128
Rbms2	-3.07797	6.80E-129	3.59E-128
Amot	-4.49248	1.04E-128	5.48E-128
Nr4a2	-4.16946	1.05E-128	5.53E-128
Snhg18	-1.8269	1.27E-129	6.74E-129
Syt7	-3.98691	4.36E-129	2.30E-128
Gpr37	-2.39708	2.24E-129	1.19E-128
Srgap1	-4.21684	4.56E-129	2.41E-128
Btf3	-0.62697	5.02E-131	2.69E-130
Tor3a	-4.57202	3.24E-129	1.71E-128
Idh2	-2.15248	1.74E-130	9.29E-130
Rbp1	-2.15975	4.08E-130	2.17E-129
Slc29a1	-2.95411	3.48E-130	1.85E-129
Serpinb6b	-5.50344	1.03E-129	5.48E-129
Nt5dc2	-2.09859	1.44E-130	7.73E-130
Rpl27	-0.67285	9.46E-132	5.09E-131
Irak2	-3.33794	2.88E-130	1.54E-129
Gimap8	-5.01528	3.53E-130	1.88E-129
Ica1	-5.50935	4.34E-130	2.31E-129
Helz2	-4.69432	2.16E-130	1.15E-129
Eml2	-2.77337	2.48E-131	1.33E-130
Triobp	-2.37763	1.30E-131	6.96E-131
Man1a	-5.58458	1.01E-130	5.42E-130
Mgat4a	-4.33056	5.74E-131	3.07E-130
Tmc7	-5.46	5.44E-131	2.91E-130
Pde3a	-3.75952	2.37E-131	1.27E-130
Rhoq	-2.48594	5.03E-132	2.71E-131
Il13ra1	-5.29954	3.04E-131	1.63E-130
Acsf5	-2.0141	1.60E-132	8.64E-132
Ap1s1	-2.94962	4.25E-132	2.29E-131
Ogfrl1	-1.25296	3.24E-133	1.76E-132
Plod1	-2.03025	4.69E-133	2.54E-132
Dgkz	-2.32146	5.30E-133	2.87E-132
Fam189a2	-3.65944	1.55E-132	8.38E-132
Rplp1	-0.47524	2.20E-134	1.20E-133
Sh3pxd2a	-4.24493	1.48E-132	8.01E-132

Pde4b	-2.49716	3.46E-133	1.87E-132
Acyp2	-1.98192	2.26E-133	1.22E-132
Brk1	-0.93503	2.07E-134	1.13E-133
Itpr2	-1.62264	4.07E-134	2.22E-133
Ace2	-5.38457	3.32E-133	1.80E-132
Prkar2b	-3.93098	9.33E-134	5.07E-133
Slc38a5	-5.75044	2.33E-133	1.26E-132
Dysf	-5.27008	1.76E-133	9.52E-133
Il1r1	-4.62117	1.01E-133	5.47E-133
Agpat4	-4.74257	8.06E-134	4.38E-133
Pdlim2	-5.22144	9.26E-134	5.03E-133
Sqor	-5.79384	1.01E-133	5.49E-133
Ifi47	-5.22165	5.33E-134	2.90E-133
Sema5a	-2.75793	1.39E-134	7.60E-134
Bambi	-2.75983	6.60E-135	3.61E-134
Thra	-0.87987	2.22E-136	1.22E-135
Pdgfd	-5.97289	2.11E-134	1.15E-133
Vcam1	-4.05386	7.61E-135	4.15E-134
Ctdsp1	-1.62805	2.66E-136	1.46E-135
Pard3b	-3.66926	2.11E-135	1.16E-134
Litaf	-3.91594	2.14E-135	1.17E-134
Arid5a	-3.93982	2.49E-135	1.36E-134
Ctsc	-4.22122	2.29E-135	1.25E-134
Zyx	-3.99538	1.02E-135	5.61E-135
Rab2a	-0.83977	1.92E-137	1.06E-136
Prkd2	-2.80007	3.38E-136	1.86E-135
Zfp467	-2.01888	6.81E-137	3.76E-136
Trim12c	-4.45976	1.64E-136	9.06E-136
Stx4a	-1.58259	5.41E-138	3.00E-137
Git2	-1.0297	1.74E-138	9.66E-138
Klhl6	-5.90143	1.39E-136	7.67E-136
Plcb4	-1.12257	8.53E-139	4.75E-138
Ppp2r5a	-1.08795	8.87E-139	4.94E-138
Cachd1	-4.59381	2.46E-137	1.36E-136
Ggt5	-5.33475	2.77E-137	1.53E-136
Acacb	-4.27837	1.40E-137	7.76E-137
Rnf152	-3.15172	5.60E-138	3.11E-137
Gm13861	-4.48242	9.95E-138	5.52E-137
Gnaq	-1.01824	2.06E-139	1.15E-138
H2-M3	-5.28904	1.11E-137	6.13E-137
Rarg	-3.09491	1.63E-138	9.08E-138
Nod1	-4.46933	3.89E-138	2.16E-137
Syde1	-4.25205	3.32E-138	1.84E-137
Wipf1	-4.1982	1.03E-138	5.76E-138
Gprc5c	-4.29582	6.59E-139	3.67E-138
Eef2	-0.6263	4.22E-141	2.38E-140
Myh11	-4.36166	6.89E-139	3.84E-138

Dgkb	-2.80144	1.78E-139	9.93E-139
Sfxn5	-1.9977	7.11E-140	3.98E-139
Vstm4	-4.65967	4.06E-139	2.27E-138
Npepl1	-2.56133	4.55E-140	2.55E-139
Car14	-2.20125	7.28E-140	4.08E-139
Lrrc32	-4.91016	2.52E-139	1.40E-138
Spr	-1.31022	2.62E-141	1.48E-140
Lhx2	-2.08949	1.83E-140	1.03E-139
Cdkn1c	-1.45632	1.51E-141	8.55E-141
Rasd1	-4.71957	2.62E-140	1.47E-139
Ccrl2	-4.8596	1.99E-140	1.12E-139
Fat4	-4.8058	1.55E-140	8.72E-140
Sod3	-5.02267	1.38E-140	7.75E-140
Tes	-3.75413	5.73E-141	3.23E-140
Rgl1	-1.74196	4.69E-142	2.66E-141
Cd24a	-3.8287	9.34E-142	5.29E-141
Ppm1f	-2.74064	2.93E-142	1.66E-141
Rap1b	-0.96825	1.11E-143	6.33E-143
Pid1	-2.03049	1.06E-142	6.03E-142
Naca	-0.60702	4.32E-144	2.47E-143
N4bp3	-1.9657	4.03E-143	2.29E-142
Serpine2	-5.17705	8.50E-142	4.81E-141
Rps7	-0.61145	1.93E-144	1.11E-143
Npc2	-1.18691	6.21E-144	3.55E-143
Lcp1	-5.26569	3.62E-142	2.05E-141
Prelp	-3.44643	7.07E-143	4.02E-142
Gm13889	-2.7417	1.70E-143	9.67E-143
Stat3	-1.29339	1.13E-144	6.52E-144
Insr	-1.11613	9.52E-145	5.46E-144
Hyal2	-3.14069	1.01E-143	5.75E-143
Rusc1	-4.49456	2.28E-143	1.30E-142
Magt1	-1.72403	1.15E-144	6.60E-144
Rps27l	-0.94268	1.94E-145	1.12E-144
Flii	-1.56174	4.57E-145	2.63E-144
Slc25a24	-5.63883	1.44E-143	8.21E-143
Ldlr	-4.28299	6.00E-144	3.43E-143
Qdpr	-1.65913	4.08E-145	2.35E-144
Agfg1	-1.13402	9.67E-146	5.59E-145
Uqcr11	-0.71688	4.10E-146	2.37E-145
Dennd3	-4.52933	5.08E-144	2.91E-143
Aoc3	-5.10096	6.88E-144	3.92E-143
Parp9	-4.29606	2.00E-144	1.15E-143
Cat	-2.29138	2.07E-145	1.19E-144
Dnaja1	-0.94634	1.44E-146	8.35E-146
Phldb1	-4.23497	8.76E-145	5.03E-144
Pxdc1	-5.0873	3.68E-145	2.12E-144
Dtx3l	-4.57689	2.75E-145	1.59E-144

Capza2	-0.88814	1.80E-147	1.05E-146
Mt1	-1.45866	6.85E-147	3.99E-146
Rnh1	-1.47148	2.34E-147	1.37E-146
Cmpk2	-4.23076	7.72E-146	4.46E-145
Rab12	-1.18263	4.72E-148	2.76E-147
Bok	-2.52703	3.62E-147	2.11E-146
Espn	-1.84073	3.44E-147	2.00E-146
mt-Atp6	-0.92616	2.24E-148	1.31E-147
Caskin2	-1.84816	1.09E-147	6.36E-147
Gm38197	-7.39193	3.17E-146	1.84E-145
Atp2a3	-4.29363	1.04E-146	6.04E-146
Magi3	-1.62379	5.24E-148	3.06E-147
Ifit3	-4.39093	8.79E-147	5.12E-146
Tbrg1	-1.43663	1.97E-149	1.16E-148
Asap2	-2.48454	9.08E-149	5.33E-148
Ankrd50	-2.45537	1.00E-148	5.87E-148
Ccdc85a	-3.40661	1.25E-148	7.35E-148
Ildr2	-2.85369	5.78E-149	3.40E-148
Gm37393	-7.59979	2.96E-148	1.73E-147
Ptprj	-4.8226	1.15E-148	6.73E-148
Tbkbp1	-4.18659	5.74E-149	3.37E-148
Krtcap2	-0.92485	3.05E-151	1.81E-150
Slc38a2	-1.0341	2.56E-151	1.52E-150
Fgfr1	-3.37493	8.73E-150	5.16E-149
Car4	-4.53905	1.29E-149	7.58E-149
Tkt	-1.64928	1.80E-151	1.07E-150
Cers5	-2.15206	2.05E-151	1.22E-150
Ddx58	-3.00018	3.29E-151	1.95E-150
Lamc3	-5.62915	2.26E-150	1.34E-149
H1f0	-1.37024	1.66E-152	9.95E-152
Ankrd13a	-1.7761	3.15E-152	1.89E-151
Tpst2	-2.17108	5.27E-152	3.15E-151
Sertad1	-2.53761	4.80E-152	2.87E-151
Gm2a	-3.43099	1.89E-151	1.12E-150
H2-Q7	-4.02223	1.06E-151	6.34E-151
Ophn1	-3.34515	7.22E-152	4.31E-151
Tuba1a	-0.77263	4.86E-154	2.93E-153
H2-T22	-4.22351	5.19E-152	3.10E-151
Aqp4	-2.20624	2.66E-152	1.60E-151
Serping1	-4.32484	5.77E-152	3.44E-151
Mill2	-5.75808	4.46E-152	2.67E-151
Lama2	-5.40796	4.68E-152	2.80E-151
Chst11	-5.96221	4.72E-152	2.82E-151
Tubb4b	-1.05429	1.34E-154	8.12E-154
Chst2	-2.3531	9.97E-154	6.01E-153
S100a6	-2.09367	1.71E-154	1.03E-153
Igtp	-4.51973	4.65E-154	2.81E-153

Rpl29	-0.65134	1.28E-156	7.83E-156
Fxyd6	-1.81291	2.98E-155	1.81E-154
Al467606	-5.17963	3.54E-154	2.14E-153
Rnf103	-1.52264	4.06E-156	2.47E-155
Trim16	-5.4615	2.09E-154	1.26E-153
Tspan4	-1.96694	4.49E-156	2.73E-155
Rtl8a	-1.61182	1.57E-156	9.61E-156
Samd12	-4.49381	3.96E-155	2.40E-154
Tnfrsf21	-4.28496	2.89E-155	1.76E-154
Nedd4	-0.73097	5.48E-158	3.37E-157
Plekhg2	-3.562	7.89E-156	4.80E-155
Itih5	-5.38577	2.56E-155	1.56E-154
Rps6	-0.73562	4.00E-158	2.46E-157
Perp	-4.95313	5.17E-156	3.15E-155
Gstt2	-2.78604	3.86E-157	2.36E-156
Rcn1	-3.40805	5.79E-157	3.54E-156
Tmem51	-5.15622	1.64E-156	1.00E-155
Atp6v1f	-0.92382	2.42E-159	1.50E-158
Ltbr	-4.58879	3.93E-157	2.40E-156
Gpc3	-4.04324	2.00E-157	1.23E-156
Ldlrap1	-4.56908	7.61E-158	4.68E-157
Suc1g2	-3.62733	5.11E-158	3.14E-157
Frmd4a	-3.86096	4.01E-158	2.47E-157
Nfe2l2	-1.45297	9.27E-160	5.77E-159
Rel1	-2.5427	6.37E-159	3.94E-158
Stab1	-5.10962	1.05E-157	6.47E-157
Def6	-5.59002	1.00E-157	6.17E-157
Hic1	-5.03444	8.33E-158	5.11E-157
Spata13	-3.68717	1.65E-158	1.02E-157
Slc38a11	-5.44857	2.31E-158	1.43E-157
Ggta1	-5.23812	2.89E-158	1.78E-157
Cebpb	-3.1227	4.29E-159	2.66E-158
Lxn	-5.02259	1.46E-158	8.99E-158
Dapl1	-1.52805	2.59E-160	1.62E-159
Tax1bp3	-2.58759	6.10E-160	3.80E-159
Basp1	-2.14692	5.29E-160	3.30E-159
Daam2	-4.91782	3.34E-159	2.07E-158
Rilpl1	-2.67346	5.35E-160	3.33E-159
Anxa1	-3.63662	1.36E-159	8.44E-159
Etl4	-4.65592	2.41E-159	1.49E-158
Irgm1	-4.47787	1.43E-159	8.88E-159
Niban1	-5.71006	3.71E-159	2.30E-158
Fmnl2	-3.16686	5.53E-160	3.44E-159
Lmcd1	-4.90191	8.78E-160	5.47E-159
Ass1	-2.73286	2.02E-160	1.26E-159
Gimap5	-5.9528	1.18E-159	7.35E-159
Atp2b4	-3.0909	7.55E-161	4.73E-160

Prrg1	-5.10205	1.03E-160	6.43E-160
Prrt4	-4.84267	8.19E-161	5.14E-160
Syngn2	-2.62288	5.48E-162	3.45E-161
Slc39a1	-2.36879	2.41E-162	1.53E-161
Elovl1	-3.85083	7.52E-162	4.73E-161
Gpc6	-4.49077	1.30E-161	8.20E-161
Rpl8	-0.56933	1.03E-164	6.56E-164
Stat6	-4.87703	1.07E-161	6.75E-161
Efemp2	-3.37909	3.39E-162	2.14E-161
Tap2	-2.27126	4.09E-163	2.59E-162
Crot	-2.05634	7.75E-163	4.90E-162
Map4k4	-1.21035	2.60E-164	1.66E-163
Vangl1	-5.35922	2.63E-162	1.66E-161
Garre1	-0.90836	2.71E-165	1.73E-164
Fstl1	-4.07608	5.28E-163	3.34E-162
Dap	-2.79577	5.87E-164	3.74E-163
Rpl15	-0.83779	6.57E-166	4.22E-165
Sptan1	-0.89703	3.95E-166	2.54E-165
Fam181b	-4.9628	1.61E-163	1.02E-162
Adamts10	-4.49377	6.81E-164	4.33E-163
Acvr1	-4.1471	6.46E-164	4.11E-163
Parp12	-4.05241	4.25E-164	2.71E-163
Klf10	-2.58795	8.43E-166	5.40E-165
Vwa5a	-3.95771	5.38E-165	3.43E-164
Ednra	-4.94375	5.22E-165	3.33E-164
Ctso	-2.16682	2.33E-166	1.50E-165
Lrrn3	-4.58489	3.84E-165	2.45E-164
Adgrl3	-3.39078	6.06E-166	3.89E-165
Baiap2	-3.15507	3.33E-166	2.15E-165
Emp3	-4.82723	1.78E-165	1.14E-164
Eln	-4.76957	1.61E-165	1.03E-164
Pde4d	-4.83086	6.55E-166	4.21E-165
Adipor2	-1.24745	7.49E-169	4.87E-168
Castor1	-4.23034	8.27E-167	5.34E-166
Klf11	-5.01373	1.39E-166	8.99E-166
Megf6	-5.21493	9.20E-167	5.94E-166
Osbp19	-1.33661	2.40E-169	1.57E-168
Ppp1r14b	-2.5293	2.52E-168	1.64E-167
Naalad2	-4.63458	1.91E-167	1.24E-166
Dennd5b	-1.50283	1.01E-169	6.60E-169
Lrp10	-1.82999	5.06E-170	3.31E-169
Arhgap27	-4.22172	6.44E-169	4.19E-168
Flvcr2	-5.84824	1.44E-168	9.33E-168
Cx3cl1	-4.35528	3.06E-169	1.99E-168
Tspan9	-2.59933	5.54E-170	3.63E-169
Ehbp11	-3.63605	1.57E-169	1.02E-168
Rpl22	-0.66233	3.72E-172	2.46E-171

Chn2	-3.14493	8.82E-170	5.76E-169
Arl2bp	-1.13554	1.27E-171	8.38E-171
Gbp4	-5.19387	5.25E-169	3.42E-168
Usp25	-1.50015	2.78E-171	1.83E-170
Sgms2	-4.8742	2.97E-169	1.93E-168
Gm20559	-4.93046	1.85E-169	1.21E-168
Trpm3	-2.16507	1.53E-170	1.01E-169
Ntn4	-4.08149	6.47E-170	4.24E-169
Aplp2	-0.70016	3.96E-173	2.63E-172
Arhgef5	-5.14012	4.72E-170	3.09E-169
Adcy4	-5.05904	1.55E-171	1.02E-170
Tnfaip8	-2.87142	1.33E-172	8.83E-172
Rps8	-0.559	5.50E-176	3.71E-175
Mknk2	-2.6109	5.54E-174	3.69E-173
Gpx8	-3.53575	2.69E-173	1.79E-172
Ninj1	-3.05953	1.33E-173	8.88E-173
Arhgap23	-4.03146	1.77E-173	1.18E-172
Twf2	-3.27157	1.71E-174	1.14E-173
Tbx2	-3.45443	2.30E-174	1.53E-173
Gadd45g	-2.5233	5.70E-175	3.82E-174
Rapgef3	-4.61235	1.53E-174	1.02E-173
Zic1	-4.35502	9.07E-175	6.08E-174
Arl15	-1.87048	1.13E-176	7.64E-176
Tprgl	-1.16388	1.03E-177	7.03E-177
Rpl7	-0.67578	1.16E-178	7.89E-178
Rpl5	-0.76314	1.23E-178	8.36E-178
Rsad2	-6.04851	3.53E-175	2.37E-174
Cap1	-1.58244	6.46E-178	4.39E-177
Il17rd	-5.46876	2.10E-175	1.41E-174
Nmi	-4.274	5.77E-176	3.89E-175
Sox7	-5.32251	5.67E-176	3.82E-175
Usp46	-2.34555	1.37E-177	9.32E-177
Prkg1	-2.83137	4.52E-177	3.06E-176
Rbm3	-0.91844	1.04E-179	7.15E-179
Foxo1	-1.67397	1.32E-178	8.97E-178
Lyn	-4.72549	1.49E-176	1.01E-175
B430010I2	-3.71867	4.99E-177	3.38E-176
Abrac1	-4.11328	8.24E-178	5.60E-177
Bag3	-4.69757	1.94E-177	1.32E-176
Arhgap18	-4.6457	1.05E-177	7.10E-177
A530083IV	-6.90051	2.31E-177	1.57E-176
Trio	-2.67273	4.26E-179	2.91E-178
Gbp2	-5.16017	7.68E-178	5.22E-177
Arhgap20	-5.7159	7.11E-178	4.83E-177
Lsamp	-3.093	3.76E-179	2.58E-178
Cdc42ep1	-4.1054	1.30E-178	8.87E-178
Smtn	-4.12927	4.13E-179	2.82E-178

2310022B	-2.40119	3.44E-180	2.36E-179
Vcl	-1.52838	1.07E-181	7.38E-181
Cd248	-5.40437	2.96E-179	2.02E-178
Bnip3l	-0.94901	7.07E-183	4.90E-182
Nckap1	-1.28042	3.03E-182	2.09E-181
Rapgef2	-1.50751	4.08E-182	2.82E-181
Fam171a1	-4.54433	7.45E-181	5.12E-180
Sorbs1	-1.72733	3.91E-183	2.71E-182
Lrrk1	-5.05754	1.37E-181	9.46E-181
Tspan14	-3.54851	3.23E-182	2.23E-181
Slc52a3	-5.07336	6.48E-182	4.46E-181
Mir99ahg	-3.71076	1.30E-182	8.98E-182
Il6st	-1.55042	1.93E-184	1.35E-183
Csnk1e	-1.57409	3.28E-185	2.30E-184
Cenpb	-1.40124	1.40E-185	9.82E-185
Slc25a1	-3.93589	2.37E-183	1.65E-182
Amotl2	-1.77926	3.25E-185	2.28E-184
Map7d1	-1.56852	5.98E-186	4.21E-185
Ano1	-5.07746	2.43E-183	1.69E-182
Pttg1ip	-1.2654	1.21E-186	8.57E-186
Tnfaip1	-1.42898	1.67E-186	1.18E-185
Sult1a1	-3.30694	9.29E-185	6.49E-184
Tcim	-4.86255	2.37E-184	1.65E-183
Casp8	-4.91765	2.14E-184	1.49E-183
Tmem176i	-4.15736	4.30E-185	3.01E-184
Cd47	-1.05001	2.75E-188	1.96E-187
Smim14	-1.15275	2.54E-188	1.81E-187
Man2a1	-4.92499	3.08E-185	2.16E-184
Rps25	-0.67279	1.72E-189	1.23E-188
Trim30a	-5.79441	1.83E-185	1.29E-184
Socs2	-4.80467	6.53E-186	4.59E-185
Tmem44	-4.57529	7.15E-186	5.03E-185
Rcsd1	-4.73867	6.86E-186	4.82E-185
Fez2	-2.09945	7.77E-188	5.52E-187
Nkd1	-3.21652	2.73E-187	1.93E-186
Foxl2	-5.27603	1.44E-186	1.01E-185
Slco3a1	-4.36482	5.13E-187	3.63E-186
Sfxn1	-3.90272	2.78E-187	1.97E-186
Vsir	-5.76748	1.25E-186	8.83E-186
Tle3	-3.56104	6.89E-188	4.90E-187
Arhgef10	-3.74982	1.06E-187	7.54E-187
Actg1	-0.70934	2.85E-191	2.05E-190
Zfand3	-2.19035	2.11E-189	1.51E-188
Gper1	-4.9566	1.11E-187	7.88E-187
Ecm2	-5.27592	3.48E-188	2.48E-187
Slc35f2	-5.89047	2.68E-188	1.91E-187
Fbxl7	-6.59066	8.39E-189	5.99E-188

Art3	-5.54662	5.12E-189	3.66E-188
Gpm6a	-2.58054	2.05E-190	1.47E-189
Pdgfa	-2.88507	7.70E-191	5.54E-190
Uchl1	-3.20331	1.10E-191	7.93E-191
Stard4	-3.39383	7.22E-192	5.21E-191
Itgb5	-2.68025	3.53E-192	2.55E-191
Trim12a	-4.69655	1.33E-191	9.62E-191
Hey1	-3.29077	2.27E-192	1.65E-191
Gm42892	-6.20728	1.82E-191	1.31E-190
Colec12	-4.38729	2.39E-192	1.73E-191
Tpm2	-4.1797	1.93E-192	1.40E-191
St8sia6	-5.70562	3.20E-192	2.32E-191
Adap2	-5.61969	2.45E-192	1.77E-191
Rps13	-0.69617	2.71E-197	2.00E-196
Chd3	-1.70109	5.09E-196	3.73E-195
Zcchc24	-4.16606	1.34E-193	9.76E-193
Maml2	-4.10461	8.22E-194	5.98E-193
Gab1	-2.65933	5.85E-195	4.27E-194
Endod1	-2.27531	1.44E-195	1.05E-194
Tmem65	-3.39767	4.77E-195	3.48E-194
Mertk	-4.49546	4.72E-194	3.44E-193
Angptl4	-4.9073	2.46E-194	1.79E-193
Mindy1	-1.84547	6.45E-197	4.74E-196
Nacc2	-3.12798	1.50E-195	1.10E-194
Ppp1r14a	-5.03796	8.53E-195	6.22E-194
Irx5	-4.20306	1.48E-195	1.08E-194
Snx3	-0.98418	1.92E-199	1.43E-198
Rps18	-0.73519	4.98E-200	3.71E-199
Hhex	-5.60761	5.44E-196	3.98E-195
Tgfb1i1	-4.48362	1.55E-196	1.14E-195
Elovl5	-3.4523	6.27E-197	4.60E-196
Lgals3bp	-4.24391	9.36E-197	6.86E-196
Sem1	-0.89864	9.09E-201	6.82E-200
Pbxip1	-2.18031	2.44E-198	1.81E-197
Etfb	-1.66425	2.24E-199	1.67E-198
Elmo1	-4.35029	3.08E-197	2.26E-196
Elf1	-2.14645	3.49E-199	2.59E-198
Itpr3	-4.84191	3.94E-197	2.90E-196
Gsta4	-2.35454	1.39E-198	1.03E-197
Tcf7l2	-2.58902	1.07E-198	7.95E-198
Ifih1	-4.44278	1.23E-197	9.09E-197
Rpl14	-0.75096	3.66E-202	2.77E-201
Calu	-1.6242	9.63E-201	7.23E-200
Axl	-4.36492	3.18E-198	2.35E-197
Zc3hav1	-4.18602	1.15E-198	8.52E-198
Tapbp	-1.47836	3.97E-201	2.99E-200
Tmem98	-3.65709	3.77E-199	2.81E-198

Capzb	-1.20207	7.06E-202	5.34E-201
Slc16a4	-4.31499	1.03E-198	7.68E-198
Plscr3	-3.89956	4.58E-199	3.41E-198
Sipa1l1	-2.7678	8.89E-200	6.63E-199
Pdxk	-1.83207	5.16E-202	3.90E-201
Ncald	-2.64211	1.73E-200	1.29E-199
Sorbs3	-3.7023	4.30E-200	3.21E-199
Ppp1r9b	-2.56367	6.25E-201	4.70E-200
Lzts2	-3.03795	3.89E-201	2.93E-200
Rassf4	-3.4879	4.60E-201	3.46E-200
Galnt15	-5.67547	1.51E-200	1.13E-199
Myct1	-5.77992	9.78E-201	7.34E-200
Golm1	-4.28454	3.17E-201	2.39E-200
Pgm5	-4.92796	1.56E-201	1.18E-200
Rpl30	-0.67773	9.76E-207	7.52E-206
Inka1	-5.64863	1.08E-201	8.14E-201
Stmn2	-3.91037	1.54E-202	1.17E-201
Ccnd1	-2.32105	2.77E-204	2.12E-203
Ccser2	-1.40476	1.15E-206	8.88E-206
Tmtc1	-4.59247	9.72E-204	7.41E-203
Prr5l	-4.88818	5.78E-204	4.41E-203
Net1	-2.44314	8.32E-206	6.39E-205
Pcdh18	-5.06185	2.80E-204	2.14E-203
Rpl23a	-0.84544	5.45E-209	4.24E-208
Nxn	-2.96155	6.00E-206	4.61E-205
Plin3	-3.62347	1.58E-205	1.21E-204
Orai1	-2.51579	4.73E-207	3.65E-206
Lgals1	-2.64252	8.89E-207	6.86E-206
Clec1a	-6.4101	5.24E-205	4.01E-204
Pakap-2	-7.51637	5.62E-205	4.30E-204
Lrch1	-4.77744	5.45E-206	4.19E-205
Fosl2	-5.19865	9.93E-206	7.62E-205
Sppl2a	-1.40538	9.41E-210	7.34E-209
Ilgp1	-6.36565	9.47E-206	7.27E-205
Marveld1	-4.98778	3.22E-206	2.48E-205
Nr4a1	-2.75297	2.79E-207	2.16E-206
Mfng	-4.37195	6.07E-207	4.68E-206
Plekhg5	-3.35271	3.39E-208	2.63E-207
Glud1	-1.55497	1.21E-210	9.46E-210
Septin8	-1.98253	5.81E-210	4.54E-209
Ccny	-1.41436	4.53E-211	3.57E-210
Myo1d	-4.37914	7.59E-208	5.88E-207
Eci2	-2.00927	1.13E-210	8.88E-210
Hivep2	-3.66267	1.39E-209	1.08E-208
Lamp1	-1.05484	3.19E-213	2.53E-212
Ccdc50	-1.72382	2.47E-212	1.96E-211
Scarf1	-4.66121	2.25E-209	1.75E-208

Erc1	-3.93723	1.25E-209	9.75E-209
Ifitm1	-4.32452	2.73E-210	2.14E-209
Pkd2	-2.26223	2.73E-212	2.16E-211
Ctdspl	-4.56654	1.10E-210	8.63E-210
Lrp5	-4.54464	7.46E-211	5.86E-210
Sod1	-1.09811	4.07E-215	3.26E-214
Unc45b	-5.40496	8.42E-211	6.62E-210
Eif2ak2	-4.8651	5.19E-211	4.09E-210
Rnf213	-4.08175	7.88E-212	6.22E-211
Dbp	-1.85345	4.35E-214	3.47E-213
Gbp9	-5.86817	2.36E-211	1.86E-210
Rps15a	-0.7187	5.88E-217	4.73E-216
Sgpp2	-3.92824	3.88E-212	3.06E-211
Yap1	-3.43742	6.16E-213	4.89E-212
Ndnf	-3.27538	8.29E-213	6.57E-212
Prdx4	-2.53267	1.15E-214	9.17E-214
Ckap4	-3.34854	3.26E-215	2.62E-214
Sema3g	-4.94159	1.54E-214	1.23E-213
Arl6ip5	-1.38403	6.17E-219	5.00E-218
Rps3	-0.7094	4.49E-221	3.66E-220
Myadm	-5.25239	1.94E-216	1.56E-215
Prdm16	-4.98283	1.28E-216	1.03E-215
Aif1l	-3.84267	2.40E-217	1.94E-216
Limd1	-2.08139	7.94E-219	6.43E-218
Ddah1	-2.62966	1.52E-218	1.23E-217
Des	-4.92971	3.14E-217	2.53E-216
Stard13	-5.2697	5.32E-218	4.30E-217
Dnajc3	-1.48354	8.71E-222	7.10E-221
Rps11	-0.7215	3.67E-225	3.04E-224
Nfkb1	-2.87653	1.20E-221	9.78E-221
Btg3	-2.47663	2.76E-222	2.26E-221
Crym	-2.27575	4.26E-222	3.48E-221
A4galt	-5.46931	3.41E-220	2.77E-219
Grap	-4.94886	6.28E-221	5.11E-220
Nfe2l1	-1.32142	4.79E-225	3.96E-224
Myo1e	-4.21068	3.76E-222	3.07E-221
Timp2	-3.37161	6.85E-223	5.61E-222
Wtip	-2.81304	1.33E-223	1.09E-222
Rock2	-1.07235	3.96E-227	3.30E-226
Lars2	-1.10095	1.46E-227	1.22E-226
Trim35	-2.71487	3.39E-224	2.79E-223
Sh3bp5	-4.05417	5.99E-224	4.92E-223
Fcho2	-1.26243	2.09E-228	1.75E-227
Nhs1l	-5.03968	5.83E-224	4.80E-223
Blvrb	-2.7398	6.89E-226	5.72E-225
Hbegf	-4.469	2.16E-224	1.78E-223
Macf1	-0.87163	2.22E-229	1.87E-228

Card10	-4.19915	9.21E-225	7.61E-224
Pcdh17	-4.2518	2.96E-225	2.45E-224
Parva	-3.03054	4.71E-226	3.91E-225
Arhgap42	-4.22388	1.15E-224	9.51E-224
Efna1	-5.08854	1.33E-224	1.10E-223
Serpinb9	-4.65195	3.78E-225	3.13E-224
Nucb1	-2.04346	7.95E-228	6.64E-227
Tgfb1	-5.31311	1.49E-225	1.24E-224
Lhfp12	-4.25779	1.42E-226	1.18E-225
Atp1a1	-1.30892	4.25E-230	3.60E-229
Cmtm6	-2.43837	8.55E-229	7.18E-228
Hspa8	-0.83497	5.42E-232	4.63E-231
Olf1372-p	-3.58776	7.24E-227	6.03E-226
Ier5l	-5.5912	8.83E-227	7.34E-226
Setd7	-3.49638	1.85E-228	1.55E-227
Ywhab	-1.04684	3.32E-234	2.87E-233
Irf1	-4.77021	4.57E-229	3.85E-228
Emp1	-4.49636	5.09E-230	4.30E-229
Flna	-2.26171	1.96E-232	1.68E-231
Esyt1	-2.73917	2.62E-232	2.25E-231
Nr2f1	-3.79586	4.46E-231	3.79E-230
Piezo1	-5.06331	1.68E-230	1.42E-229
Sigirr	-5.04549	4.75E-231	4.03E-230
Ctdsp2	-1.68816	5.39E-235	4.66E-234
Psme2	-2.13194	1.56E-234	1.35E-233
Gja4	-5.13692	3.96E-231	3.37E-230
Lhfp	-4.90982	1.29E-231	1.10E-230
Dipk1a	-3.89941	1.10E-232	9.41E-232
Rtp4	-5.31834	4.21E-232	3.60E-231
Zfp704	-3.22837	3.70E-234	3.19E-233
Sox4	-3.61407	2.12E-233	1.82E-232
Sema6d	-5.47308	2.21E-232	1.90E-231
Dazap2	-1.37663	3.10E-237	2.71E-236
Septin9	-4.13258	2.25E-233	1.93E-232
Parp14	-4.65727	1.98E-233	1.70E-232
Slc19a3	-5.69831	2.47E-233	2.12E-232
Clu	-1.83709	5.15E-236	4.47E-235
Tmem140	-4.96981	9.26E-235	8.00E-234
Gpr4	-5.68563	2.47E-234	2.13E-233
Rps26	-0.83754	6.29E-241	5.55E-240
Pnpla2	-2.67855	2.04E-237	1.79E-236
Dll4	-5.41343	5.92E-235	5.12E-234
Creb3l2	-2.58659	7.84E-238	6.87E-237
Ephb4	-5.28316	6.29E-236	5.45E-235
Shroom4	-5.22642	1.59E-236	1.38E-235
Kif1c	-2.33347	4.61E-239	4.05E-238
Chmp3	-1.5396	2.64E-241	2.34E-240

Ppic	-5.62785	4.80E-237	4.19E-236
Mxra7	-1.47293	9.69E-242	8.60E-241
Nbdy	-2.69073	5.20E-240	4.59E-239
Gm37474	-7.7151	2.65E-237	2.31E-236
Myo6	-1.42637	8.72E-243	7.78E-242
Plekhg1	-4.22198	9.41E-239	8.27E-238
Tsc22d4	-2.20424	2.44E-241	2.16E-240
Ifit1	-5.31247	1.01E-238	8.86E-238
Bmx	-5.6596	3.57E-239	3.14E-238
Tm6sf1	-3.44466	2.15E-241	1.91E-240
Mir6236	-1.1813	1.01E-245	9.15E-245
Pdia3	-1.2077	1.85E-245	1.67E-244
Dkk3	-2.30906	4.42E-242	3.93E-241
Sik1	-3.49084	6.56E-242	5.83E-241
Dag1	-1.69605	4.72E-245	4.24E-244
Pmp22	-4.03831	2.62E-242	2.33E-241
Lpar6	-4.5277	2.21E-242	1.97E-241
Afdn	-1.26621	1.34E-247	1.21E-246
Copz2	-3.72571	3.91E-243	3.49E-242
Gclm	-1.85177	4.70E-247	4.27E-246
Pik3ip1	-3.70662	1.30E-244	1.17E-243
Gstm5	-1.97855	1.47E-246	1.33E-245
Fyn	-3.02633	4.16E-246	3.76E-245
Msrb3	-4.51454	1.35E-244	1.21E-243
Tcf7	-5.78756	4.42E-244	3.95E-243
Anxa11	-5.06642	1.78E-244	1.60E-243
Vasp	-2.63674	2.28E-247	2.07E-246
Plxnd1	-4.52279	9.14E-245	8.21E-244
Clec14a	-6.08915	2.33E-244	2.09E-243
Arhgef3	-5.22508	5.04E-245	4.53E-244
Pear1	-5.30742	4.09E-245	3.68E-244
Smox	-3.9598	5.58E-246	5.04E-245
Nedd9	-3.39092	5.18E-247	4.69E-246
Plce1	-3.45053	1.00E-246	9.08E-246
Nr2f2	-2.25226	1.17E-248	1.07E-247
Midn	-2.3429	6.27E-249	5.73E-248
Picalm	-1.31081	1.42E-251	1.30E-250
S1pr3	-4.1643	3.72E-247	3.37E-246
Id2	-3.30929	1.74E-248	1.59E-247
Lrrfip1	-4.8554	1.80E-247	1.63E-246
Zic2	-5.73235	6.60E-247	5.98E-246
Txndc17	-1.76182	9.35E-252	8.62E-251
Cpne8	-5.56547	9.80E-248	8.92E-247
Leprot	-2.1373	1.22E-251	1.12E-250
Ifnar1	-1.78964	1.87E-252	1.72E-251
Grn	-2.59733	1.47E-252	1.36E-251
Ddah2	-2.48907	4.14E-254	3.86E-253

Sat1	-1.6581	8.87E-256	8.31E-255
Oasl2	-4.66775	9.61E-252	8.85E-251
Irf2bp2	-1.46736	4.44E-257	4.17E-256
Sh3bp4	-4.33525	1.63E-252	1.50E-251
Fkbp9	-4.44933	2.12E-252	1.96E-251
Tmco1	-1.59366	9.14E-258	8.64E-257
Efnb2	-4.89643	1.27E-252	1.18E-251
Ttc28	-1.71943	3.13E-257	2.95E-256
Tmeff1	-4.73951	7.48E-253	6.93E-252
Gch1	-5.82134	8.80E-253	8.15E-252
Pcdh19	-5.03124	1.11E-253	1.04E-252
Rin2	-3.79443	1.30E-254	1.22E-253
Unc5b	-4.43957	1.12E-253	1.04E-252
9930111J2	-5.87839	2.39E-253	2.22E-252
Bgn	-4.69818	5.49E-254	5.11E-253
Ccn2	-4.37538	3.68E-254	3.43E-253
Rpl11	-0.7707	2.89E-262	2.78E-261
Kctd10	-2.0509	1.56E-258	1.48E-257
Notch4	-3.98962	7.89E-256	7.40E-255
Tmem184l	-2.7915	1.13E-257	1.07E-256
Tnfsf10	-5.4046	3.80E-255	3.55E-254
Cryab	-1.70514	2.40E-259	2.29E-258
Rps10	-1.09172	1.06E-262	1.02E-261
Luzp1	-1.25003	3.10E-262	2.98E-261
Rnf125	-6.86751	8.47E-256	7.94E-255
Socs3	-3.95562	4.05E-257	3.80E-256
Rcn3	-4.84529	1.18E-257	1.12E-256
Ppp1r16b	-4.58713	8.39E-258	7.94E-257
Tgfbr3	-5.41539	7.30E-258	6.92E-257
Smagp	-5.61805	1.17E-257	1.10E-256
Cyb5a	-1.70124	2.97E-263	2.86E-262
Ackr3	-5.22309	7.66E-259	7.28E-258
Rps28	-0.8406	8.35E-267	8.17E-266
Gm37033	-6.3688	1.51E-258	1.43E-257
Tcaf1	-2.6578	3.64E-262	3.49E-261
Gna11	-1.54669	8.70E-265	8.45E-264
Sypl	-1.40516	9.84E-266	9.59E-265
Sh2b3	-4.16189	1.34E-260	1.28E-259
Myo1c	-3.56128	5.71E-262	5.48E-261
Ctsz	-2.46787	1.57E-263	1.52E-262
Cdc42ep4	-3.66665	1.89E-262	1.82E-261
Alas1	-1.93265	8.12E-266	7.93E-265
Rps27a	-0.73818	5.29E-270	5.23E-269
Capg	-5.02687	7.59E-262	7.28E-261
Vgll4	-2.5327	1.16E-264	1.13E-263
Slc1a1	-3.96238	2.78E-263	2.68E-262
Map1lc3a	-1.34037	6.02E-269	5.94E-268

Ptprr	-5.16872	2.75E-263	2.65E-262
Sox13	-4.84183	1.48E-263	1.43E-262
Cspg4	-4.80171	1.04E-263	1.01E-262
Ctsl	-1.37578	2.04E-269	2.01E-268
Mcam	-5.05226	2.69E-265	2.62E-264
Synm	-1.5418	1.34E-270	1.33E-269
Slc39a8	-5.08814	6.04E-267	5.92E-266
P2ry14	-5.39338	3.75E-267	3.68E-266
Crybg3	-2.28625	7.02E-272	7.01E-271
Slc16a9	-6.26054	6.28E-268	6.16E-267
Ptpn14	-4.92025	6.57E-269	6.47E-268
Tcf15	-5.69761	3.29E-268	3.24E-267
Cdk17	-2.8353	2.28E-271	2.27E-270
Nova2	-4.91542	1.51E-269	1.49E-268
Egr1	-2.52415	1.80E-271	1.79E-270
Rarres2	-4.08158	6.06E-270	5.99E-269
Cyfp1	-1.8794	2.08E-274	2.10E-273
Wls	-5.36722	1.38E-269	1.36E-268
Csrp1	-3.30998	4.08E-272	4.08E-271
Gm28438	-1.04708	1.71E-278	1.75E-277
Kank2	-5.18059	1.20E-270	1.19E-269
Arhgef17	-4.01976	3.98E-272	3.98E-271
Pde5a	-5.22263	1.16E-271	1.16E-270
Igfbp3	-4.78999	1.26E-272	1.26E-271
Plxdc2	-5.26303	1.69E-272	1.69E-271
Pmaip1	-5.21181	8.44E-273	8.47E-272
Lmo7	-5.77061	9.90E-273	9.93E-272
Nbl1	-3.86047	5.90E-274	5.95E-273
Flt4	-4.17037	2.10E-273	2.11E-272
Ptprk	-5.64026	3.94E-273	3.96E-272
Efh2	-3.45364	2.77E-275	2.81E-274
Plcg1	-3.2557	1.02E-275	1.04E-274
Tln1	-1.51179	5.36E-281	5.53E-280
Rgs12	-4.76847	2.59E-275	2.62E-274
Cd63	-1.77603	1.07E-279	1.10E-278
Ralb	-3.39539	3.79E-277	3.86E-276
Ephx1	-4.46644	2.50E-276	2.54E-275
Kcnj8	-4.84204	5.74E-277	5.84E-276
Srgap2	-2.04441	4.93E-282	5.10E-281
Bcl2l1	-1.87922	3.54E-283	3.69E-282
Arhgef15	-4.89844	7.76E-279	7.95E-278
Lrp1	-2.92725	9.04E-281	9.33E-280
Arhgdib	-4.42814	2.06E-279	2.11E-278
Rplp2	-0.82317	4.15E-289	4.39E-288
Tns3	-3.13077	8.95E-282	9.26E-281
AW112010	-5.37986	9.75E-280	1.00E-278
Gm26532	-5.15399	6.88E-280	7.08E-279

Tbc1d1	-5.21039	1.77E-280	1.83E-279
Dstn	-1.15122	4.58E-288	4.83E-287
Camk1	-3.87831	4.42E-282	4.59E-281
Abr	-3.91711	1.44E-282	1.50E-281
Atp10d	-4.50285	3.88E-282	4.02E-281
Lama5	-4.30694	4.88E-282	5.06E-281
Tnfrsf1a	-4.83626	5.87E-282	6.08E-281
Eef1d	-1.46972	5.01E-290	5.32E-289
Rcn2	-1.99133	1.48E-288	1.56E-287
Inf2	-3.93067	2.12E-284	2.21E-283
Pros1	-3.6006	1.13E-285	1.19E-284
Samd9l	-5.65203	2.41E-284	2.51E-283
Pcp4l1	-1.2651	1.05E-291	1.12E-290
Inpp4b	-4.0633	1.89E-285	1.97E-284
Itpr1	-2.8195	1.10E-287	1.16E-286
Plscr4	-4.17139	1.06E-285	1.11E-284
Extl3	-2.37604	3.77E-289	4.00E-288
Rnase4	-5.22332	1.37E-286	1.44E-285
Peak1	-3.11038	9.15E-290	9.70E-289
Pomp	-1.09325	1.68E-296	1.83E-295
Rgs4	-4.99309	1.71E-288	1.81E-287
Kctd12b	-5.5077	1.68E-288	1.77E-287
Cttnbp2nl	-2.74976	1.00E-291	1.07E-290
Aspn	-5.55468	1.02E-288	1.08E-287
Pcmt1d1	-1.27735	2.40E-297	2.62E-296
Enc1	-3.84049	1.47E-291	1.57E-290
Spaar	-5.45227	2.61E-290	2.77E-289
Dst	-1.60287	1.74E-297	1.90E-296
Psmb9	-4.71173	4.70E-291	5.01E-290
Irak1	-3.62096	8.46E-293	9.10E-292
H2-Q4	-4.42658	6.14E-292	6.58E-291
Septin11	-1.9468	5.30E-297	5.78E-296
Fkbp1a	-1.40939	4.31E-299	4.74E-298
mt-Cytb	-0.7587	1.73E-303	1.94E-302
Nhsl2	-4.90314	1.62E-292	1.74E-291
Mtarc2	-1.93186	1.52E-298	1.67E-297
Tmcc3	-4.27008	3.94E-293	4.25E-292
Ywhah	-1.67112	1.75E-299	1.93E-298
Slc40a1	-3.5314	2.05E-294	2.22E-293
Ceacam1	-4.56569	3.53E-294	3.82E-293
Sqstm1	-2.21991	4.85E-299	5.32E-298
Lrrc58	-1.62344	2.81E-301	3.11E-300
Zic3	-4.84378	1.31E-294	1.42E-293
Gabarap	-1.18166	5.31E-303	5.92E-302
Tspan12	-5.11339	2.35E-294	2.55E-293
Plpp3	-3.31383	1.09E-296	1.18E-295
Tubb2a	-3.65639	3.59E-298	3.93E-297

Hint1	-0.99011	6.81E-306	7.68E-305
Ripor1	-2.89065	2.83E-299	3.11E-298
Zeb2	-3.26155	1.31E-299	1.45E-298
Ctnna1	-1.34422	1.55E-305	1.75E-304
Calcr1	-5.21316	5.51E-298	6.03E-297
Rpl6	-0.90335	0.00E+00	7.71E-308
Anxa6	-4.37448	2.65E-299	2.92E-298
Gucy1a1	-3.31995	6.65E-301	7.36E-300
Thsd1	-4.00736	8.01E-301	8.85E-300
Hebp1	-4.50604	8.74E-301	9.66E-300
Fam107a	-3.81176	1.07E-301	1.19E-300
Mapk3	-1.79518	2.53E-307	2.87E-306
Ccm2l	-4.87337	1.78E-301	1.97E-300
Fxyd1	-2.29999	2.26E-305	2.54E-304
Jup	-3.5381	1.90E-303	2.13E-302
Ano6	-4.67588	1.70E-302	1.89E-301
Grb14	-5.56055	3.76E-302	4.18E-301
Mgll	-2.87552	6.49E-306	7.32E-305
Hsd17b11	-5.10817	2.26E-303	2.52E-302
Akr1a1	-1.22072	0	0
S100a10	-2.69693	0.00E+00	1.22E-307
Rpl26	-0.80584	0	0
Hmgb1	-1.0752	0	0
Tril	-4.11542	2.87E-308	3.26E-307
Mapre1	-1.56106	0	0
Ifi35	-4.16349	0.00E+00	1.58E-307
Cthrc1	-4.89287	0.00E+00	2.44E-308
Ppp1r2	-1.52051	0	0
Niban2	-4.25536	5.3656661	0.00E+00
Gbp3	-5.72134	0.00E+00	4.04E-308
Stmn1	-2.17909	0	0
Zfhx3	-3.8709	0	0
Golim4	-1.51069	0	0
Itpr12	-5.23622	0	0
Dab2	-5.64311	0	0
Rpl18a	-0.87224	0	0
Rasgrp2	-2.64155	0	0
Dgkh	-3.90519	0	0
Dock6	-4.43862	0	0
Osmr	-4.74724	0	0
Rplp0	-1.2369	0	0
Psmb10	-3.12107	0	0
Spry1	-4.98385	0	0
Plaat3	-2.45245	0	0
Nrp2	-5.272	0	0
Limch1	-1.69505	0	0
Plin2	-4.41473	0	0

B4galt4	-4.70718	0	0
Slc50a1	-2.24597	0	0
Hspa12b	-5.16525	0	0
Afap1l2	-5.42189	0	0
Casq2	-5.37723	0	0
Gng12	-3.94043	0	0
Gm10076	-1.35846	0	0
mt-Nd4	-0.86933	0	0
Dock1	-3.84403	0	0
Gja1	-5.68169	0	0
Dpysl2	-1.93173	0	0
Rps20	-0.90352	0	0
Lysmd2	-3.51965	0	0
Acaa2	-2.92308	0	0
Slc16a2	-3.63667	0	0
Fmnl3	-4.27187	0	0
Morf4l1	-1.09319	0	0
Actn4	-1.32942	0	0
Ecm1	-3.64781	0	0
Mxd4	-1.72745	0	0
S100a1	-2.04325	0	0
Pim3	-2.54693	0	0
Akap13	-1.83252	0	0
Tmem176l	-3.69048	0	0
Pfn1	-1.23039	0	0
Ppib	-1.31732	0	0
Lasp1	-2.85436	0	0
Tpm3-rs7	-3.07243	0	0
Ldlrad3	-4.77684	0	0
Atp6v0e	-1.94792	0	0
Rps16	-0.89972	0	0
Tnrc18	-3.31561	0	0
Tmtc2	-3.84918	0	0
Tacc1	-1.66008	0	0
Ndrp2	-2.45281	0	0
Adam10	-1.93629	0	0
Prdx6	-1.82614	0	0
Rapgef4	-5.29477	0	0
Rpl31	-1.11941	0	0
Rai14	-4.92854	0	0
Tamalin	-4.81779	0	0
Rlbp1	-1.83023	0	0
Ccdc85b	-1.43264	0	0
Lgals9	-5.21653	0	0
Rgs3	-3.89147	0	0
Gbp7	-5.62085	0	0
Elovl7	-3.98777	0	0

St8sia4	-5.28022	0	0
Rbfox2	-4.26789	0	0
Adgra2	-4.25123	0	0
Isg15	-5.5881	0	0
Fzd4	-2.17223	0	0
Igf1r	-1.20289	0	0
Mprrip	-1.41835	0	0
Xdh	-5.0694	0	0
Sipa1	-4.24978	0	0
Cracr2b	-4.31135	0	0
Dock9	-1.78222	0	0
Prkch	-4.60559	0	0
Gucy1b1	-3.971	0	0
Nav1	-2.21622	0	0
Ski	-2.39594	0	0
Gatm	-6.03921	0	0
Prkar1a	-1.36872	0	0
Stard8	-5.28747	0	0
Trim56	-5.17758	0	0
Gvin-ps7	-5.98889	0	0
Lama4	-5.62673	0	0
Cpd	-1.98826	0	0
Jag2	-3.2922	0	0
Gstm1	-3.08624	0	0
Rab11a	-1.72674	0	0
Rpl28	-0.90558	0	0
Slco2b1	-5.57243	0	0
Tbx1	-5.07245	0	0
Car5a	-6.38563	0	0
Tmem123	-2.90822	0	0
Pir	-5.44635	0	0
Dusp6	-4.73639	0	0
Pkp4	-2.23316	0	0
Degs2	-4.84686	0	0
Pam	-4.14778	0	0
Tdrp	-5.34093	0	0
Slc22a8	-5.58255	0	0
Vwf	-4.60253	0	0
Notch3	-5.02266	0	0
Nid1	-5.71846	0	0
Nudt4	-1.88164	0	0
Phldb2	-5.43479	0	0
Tmod3	-2.05026	0	0
Rpl12	-1.07928	0	0
Plec	-2.52334	0	0
Rpl39	-0.96166	0	0
Lrp8	-2.14185	0	0

Hrct1	-5.12229	0	0
Entpd1	-5.63292	0	0
Mcc	-3.33275	0	0
Fosb	-3.42959	0	0
Neat1	-3.01518	0	0
Tbc1d4	-5.43436	0	0
Filip1	-4.87649	0	0
Mndal	-5.95836	0	0
Rpl17	-0.98257	0	0
Acer2	-2.72595	0	0
Pcdh1	-4.94382	0	0
Tpm3	-2.72669	0	0
Ccn1	-4.91914	0	0
Filip1l	-4.63132	0	0
Spc25	-2.06053	0	0
mt-Co1	-1.02979	0	0
Rps24	-0.86237	0	0
Rpl19	-0.94572	0	0
Palm	-3.21187	0	0
Swap70	-3.88719	0	0
Dlc1	-1.77554	0	0
Sp100	-5.72588	0	0
Gpr146	-3.12839	0	0
Epha4	-3.81952	0	0
Ets2	-4.60555	0	0
Nfix	-2.4299	0	0
Shisa5	-4.70943	0	0
Cav1	-3.22764	0	0
Cox4i2	-2.39122	0	0
Hmgcs2	-5.50695	0	0
Acadl	-3.59235	0	0
Zfp366	-5.54678	0	0
Pdlim5	-2.18781	0	0
Ttll7	-4.30318	0	0
Cr1l	-3.51941	0	0
St6galnac3	-5.79642	0	0
Rpl23	-0.92552	0	0
Klhl5	-3.81152	0	0
Crtap	-5.61659	0	0
Arap3	-5.40764	0	0
Higd1b	-5.16815	0	0
Cfl1	-1.25272	0	0
Lims2	-5.35066	0	0
Tiam1	-4.39949	0	0
Kctd12	-4.63817	0	0
Agrn	-3.76713	0	0
Ptprm	-4.78948	0	0

Ctnnbip1	-2.42372	0	0
Mcl1	-1.75314	0	0
Ptbp3	-2.11633	0	0
Hspg2	-5.04711	0	0
Eva1b	-4.94373	0	0
Aqp11	-5.05443	0	0
4930523C	-5.94061	0	0
Edn1	-5.44718	0	0
Kif26a	-5.46854	0	0
Cnn2	-4.62035	0	0
Lamc1	-3.12467	0	0
Tbx3	-5.64494	0	0
Erg	-5.2625	0	0
Vamp5	-3.68347	0	0
Tnfrsf19	-5.90181	0	0
Rpl34	-1.06143	0	0
Sema6a	-4.72433	0	0
Tmem252	-5.16991	0	0
Arpc2	-1.42617	0	0
Gnb4	-5.67936	0	0
Ifi203	-5.91209	0	0
Psap	-1.4839	0	0
Apbb2	-2.02873	0	0
Abcc9	-4.83319	0	0
Hmcn1	-6.43459	0	0
Ndufa4l2	-4.71445	0	0
Adgrg1	-5.52533	0	0
Parvb	-3.42539	0	0
Slc16a1	-1.52078	0	0
Fas	-5.42834	0	0
Xaf1	-4.82141	0	0
Ccnd2	-5.32293	0	0
Gimap1	-5.82702	0	0
2900026A	-3.15044	0	0
Adgrl2	-4.03076	0	0
Sema7a	-2.38104	0	0
Itm2c	-2.90701	0	0
Adgre5	-5.19619	0	0
Hdac7	-4.56503	0	0
Ech1	-2.3673	0	0
Thbd	-5.51566	0	0
F11r	-4.9739	0	0
Nes	-5.38744	0	0
Smco4	-5.32923	0	0
Tgm2	-4.79272	0	0
Cltb	-2.43578	0	0
Islr2	-5.64854	0	0

Rpl32	-1.04248	0	0
Nxpe4	-5.92737	0	0
Rps14	-0.96683	0	0
Auts2	-4.16263	0	0
Rpl21	-1.11996	0	0
Irx3	-5.47941	0	0
Pdgfrb	-4.96837	0	0
Rdx	-1.54832	0	0
Cebpd	-4.14786	0	0
Lipa	-5.777	0	0
Rpl36a	-1.26019	0	0
Tanc1	-4.0317	0	0
Crim1	-2.72585	0	0
Abcc4	-5.5718	0	0
Adamts1	-4.6893	0	0
Cyp2d22	-4.54486	0	0
Rps5	-1.11715	0	0
Bvht	-5.16116	0	0
Capn2	-5.02378	0	0
Gata2	-5.42113	0	0
Sdcbp	-2.46781	0	0
Ushbp1	-5.96978	0	0
Tie1	-5.15633	0	0
Pmepa1	-2.46884	0	0
Rps23	-1.06101	0	0
Psmb8	-4.5165	0	0
Rps29	-0.94235	0	0
Txn1	-1.77544	0	0
Tpm1	-2.26218	0	0
Depp1	-4.88054	0	0
Lpp	-4.7947	0	0
Arl4a	-1.7079	0	0
Stra6	-5.15273	0	0
Robo4	-5.47379	0	0
Plip	-5.38054	0	0
Tspan13	-2.26507	0	0
Smpdl3a	-5.22502	0	0
H2-T23	-4.5664	0	0
Cmtm8	-6.07062	0	0
Rpl41	-0.96814	0	0
Smad7	-2.46633	0	0
Cd2ap	-1.75909	0	0
Esyt2	-2.1442	0	0
Bst2	-4.49501	0	0
Foxn3	-2.943	0	0
Cav2	-3.66159	0	0
Lmna	-5.06401	0	0

Tshz2	-3.36258	0	0
Rpl36	-1.09768	0	0
Srarp	-5.24646	0	0
Plac9a	-3.20808	0	0
Rassf9	-6.65986	0	0
Map3k20	-5.30572	0	0
Serpinb6a	-3.59041	0	0
Trim47	-5.33041	0	0
Gpx1	-2.44713	0	0
Myl12b	-2.37454	0	0
Dock4	-3.9912	0	0
Septin4	-2.26713	0	0
1810037I1	-1.65266	0	0
C130074G	-5.25826	0	0
Ehd2	-5.3835	0	0
Slc30a1	-2.53488	0	0
Dbi	-1.60907	0	0
Fau	-1.02659	0	0
Arhgap31	-2.05164	0	0
Rps19	-1.21151	0	0
Reep5	-3.00732	0	0
Ier5	-3.81589	0	0
Reck	-4.40852	0	0
Fos	-2.31614	0	0
Fgd5	-5.74118	0	0
Tgfb2	-3.58611	0	0
Myl9	-4.68801	0	0
Gimap6	-5.4887	0	0
Marcks	-2.26898	0	0
Apold1	-4.52198	0	0
Septin7	-1.59834	0	0
Zbtb20	-1.40913	0	0
Mmrn2	-5.15381	0	0
Cavin3	-5.10465	0	0
Eef1b2	-1.68059	0	0
Rps27	-1.04656	0	0
Prss23	-5.05319	0	0
St3gal6	-4.75784	0	0
Gpd2	-4.51357	0	0
Arap2	-4.97666	0	0
Ptms	-1.3519	0	0
Fut8	-5.556	0	0
Cdc42	-1.52973	0	0
She	-5.53176	0	0
S100a16	-2.68281	0	0
Atp10a	-5.80352	0	0
Efr3b	-4.66028	0	0

Rsu1	-3.56635	0	0
Flnb	-4.04264	0	0
Rps9	-1.22325	0	0
Gcnt2	-5.49161	0	0
Fzd6	-5.09012	0	0
Rpl27a	-1.30704	0	0
Rassf3	-4.39829	0	0
Podxl	-1.86107	0	0
Rasgrp3	-5.74012	0	0
Tns2	-4.49364	0	0
Ocln	-4.47139	0	0
Emp2	-5.35598	0	0
Ecscr	-5.24784	0	0
Mfsd2a	-5.30258	0	0
Afap1l1	-5.65973	0	0
Kbtbd11	-4.12922	0	0
Cyth3	-4.36835	0	0
Fam13c	-5.42648	0	0
Cfh	-5.02767	0	0
Icam2	-5.33151	0	0
Ucp2	-4.23828	0	0
mt-Rnr1	-1.20964	0	0
Vat1	-4.62524	0	0
Itpkb	-5.2306	0	0
Arhgdia	-2.45038	0	0
Ubc	-1.36409	0	0
Rpl35	-1.32954	0	0
Rpl18	-1.3557	0	0
Rps4x	-1.22873	0	0
Cast	-4.28367	0	0
Myo10	-2.80117	0	0
Bmpr2	-1.74439	0	0
Eogt	-4.14487	0	0
Nenf	-2.64888	0	0
Adam15	-4.02967	0	0
Elk3	-4.25941	0	0
Fam110d	-5.87374	0	0
Mrtfb	-3.57743	0	0
Sash1	-4.26977	0	0
Rflnb	-5.0158	0	0
Tsc22d3	-2.8673	0	0
Atp1a2	-4.20873	0	0
Sema3c	-5.89942	0	0
Rps3a1	-1.21322	0	0
Plcb1	-5.97473	0	0
mt-Nd1	-1.11599	0	0
Rps12	-1.2181	0	0

Slc3a2	-1.76369	0	0
Cobll1	-5.33357	0	0
Wwtr1	-3.26647	0	0
Ifi27	-4.71915	0	0
Cnn3	-3.07143	0	0
Apcdd1	-5.09796	0	0
Tinagl1	-5.27161	0	0
Foxf2	-5.36828	0	0
Ifnar2	-5.33094	0	0
Il10rb	-5.42791	0	0
Clic5	-6.19092	0	0
Serpinh1	-4.80799	0	0
Prex2	-3.02195	0	0
Ier2	-2.76666	0	0
Reep3	-2.26323	0	0
Gjc1	-5.77079	0	0
Myo1b	-4.46108	0	0
Cd9	-3.80462	0	0
Capns1	-2.40709	0	0
Bhlhe40	-4.96271	0	0
Uaca	-4.71361	0	0
Akap12	-3.39969	0	0
Rps21	-1.1609	0	0
mt-Nd2	-1.20508	0	0
Arpc3	-2.1365	0	0
Plk2	-4.96649	0	0
Cyba	-4.69488	0	0
BC028528	-5.68442	0	0
Sox18	-5.6173	0	0
Rpl13	-1.22422	0	0
Hip1	-2.77426	0	0
Arid5b	-3.49228	0	0
Rpl37a	-1.20505	0	0
Amotl1	-5.06917	0	0
Csrp2	-4.0313	0	0
Klf3	-4.44894	0	0
Rhoj	-5.12735	0	0
Mpzl1	-4.39138	0	0
Rrbp1	-2.39823	0	0
Pls3	-4.34527	0	0
Lrrc8c	-5.61259	0	0
AU021092	-5.70688	0	0
Lamb2	-4.74189	0	0
Ostf1	-3.90502	0	0
Zmiz1	-4.00717	0	0
Cd151	-5.48557	0	0
Tjp1	-2.11567	0	0

Lsr	-4.94459	0	0
Nostrin	-6.34576	0	0
Pon2	-4.20248	0	0
Tpt1	-1.16847	0	0
Wfdc1	-5.40837	0	0
Mecom	-6.25494	0	0
Bcam	-5.13176	0	0
Mtus1	-3.2983	0	0
Lmo2	-3.81332	0	0
Zfp36	-4.28649	0	0
Tmem204	-5.36854	0	0
Cbfa2t3	-5.65016	0	0
Iqgap1	-2.55906	0	0
Rac1	-2.21756	0	0
Junb	-3.30705	0	0
Rpl35a	-1.32827	0	0
Foxc1	-5.55906	0	0
Maoa	-5.20934	0	0
Atp1b3	-3.39126	0	0
Sri	-4.01601	0	0
Klf6	-3.40404	0	0
Psme1	-4.04855	0	0
Slfn5	-5.93229	0	0
S100a11	-4.17256	0	0
Cyb5r3	-3.37385	0	0
Eef1a1	-1.22871	0	0
Kank3	-3.83153	0	0
Fnbp1l	-5.0838	0	0
Wasf2	-3.0261	0	0
Selenom	-2.40956	0	0
Nrp1	-5.94484	0	0
Arhgap29	-3.50054	0	0
Anxa2	-5.33926	0	0
Rpl38	-1.36678	0	0
Sorbs2	-2.51182	0	0
Klf13	-4.53614	0	0
Nebl	-5.51019	0	0
Paqr5	-5.94538	0	0
Ctnnb1	-1.86144	0	0
Rpl10	-1.60406	0	0
Klf7	-3.13392	0	0
Nfia	-3.49432	0	0
Prdx1	-1.85374	0	0
Qk	-1.86869	0	0
Rhoc	-3.77977	0	0
Irf2bpl	-4.50629	0	0
Foxp1	-2.66163	0	0

Rasip1	-5.55577	0	0
Dusp1	-3.45987	0	0
Ctsh	-4.70231	0	0
Rgcc	-4.72402	0	0
Rhoa	-1.79251	0	0
Fcgrt	-5.22731	0	0
Rras	-3.86625	0	0
Gng11	-2.26921	0	0
Ppfibp1	-5.47126	0	0
Cdkn1a	-4.28551	0	0
Palmd	-6.30551	0	0
Cp	-3.55561	0	0
Slc7a1	-4.19311	0	0
mt-Rnr2	-1.39707	0	0
Atox1	-2.20166	0	0
Fermt2	-2.63161	0	0
Cd81	-1.9334	0	0
Gpcpd1	-2.90279	0	0
Arpc1b	-4.80338	0	0
Rpl37	-1.39812	0	0
Ptma	-1.30791	0	0
Abhd2	-5.16698	0	0
Sh3bgrl	-3.91428	0	0
Fli1	-5.73349	0	0
Mast4	-5.07438	0	0
Cald1	-3.42205	0	0
Pdgfb	-5.63607	0	0
Tpm4	-4.52379	0	0
Dusp3	-4.47804	0	0
Ftl1	-1.73159	0	0
Rbpms	-5.53536	0	0
Ltbp4	-4.68433	0	0
Txnip	-5.14631	0	0
Cgnl1	-4.87412	0	0
Ccdc141	-4.43111	0	0
Ablim1	-2.03642	0	0
Ctla2a	-4.82702	0	0
Sh3bgrl3	-3.89437	0	0
Col4a2	-5.07568	0	0
Pglyrp1	-5.2788	0	0
Jund	-2.18908	0	0
Tagln2	-5.00028	0	0
Hes1	-4.61524	0	0
Plat	-5.59775	0	0
Rn18s-rs5	-1.05866	0	0
Sox17	-5.50271	0	0
Cd93	-5.91803	0	0

Tek	-5.37978	0	0
Tgfbr2	-5.66795	0	0
Emcn	-5.5937	0	0
Rbms1	-5.88902	0	0
Acvrl1	-5.00604	0	0
Jun	-3.0039	0	0
Apoe	-2.68852	0	0
Ece1	-4.47399	0	0
Mgp	-4.25539	0	0
Gnb2	-3.37702	0	0
Dab2ip	-4.33335	0	0
Cyyr1	-6.02602	0	0
Tspo	-4.4715	0	0
Clic1	-4.13129	0	0
Tmsb10	-2.5229	0	0
Mal	-5.65115	0	0
Vwa1	-5.08717	0	0
Kdr	-3.3037	0	0
Anxa3	-5.64036	0	0
Gng5	-2.06573	0	0
Lef1	-6.01275	0	0
Nfkbia	-2.81356	0	0
Notch1	-4.29422	0	0
Itgb1	-3.6091	0	0
S100a13	-4.20677	0	0
Myh9	-3.67105	0	0
Cavin1	-4.84593	0	0
Ifitm2	-4.20184	0	0
Aldh2	-4.3086	0	0
Myl12a	-3.50483	0	0
Itga6	-5.16037	0	0
Cd200	-5.32501	0	0
Clec2d	-4.93901	0	0
Fry	-5.29768	0	0
Cdh5	-5.71274	0	0
Foxq1	-6.09674	0	0
Srgn	-5.55773	0	0
Crip1	-4.22234	0	0
Cavin2	-5.99253	0	0
Ets1	-5.87464	0	0
H2-K1	-3.60505	0	0
Slc7a5	-4.37698	0	0
Anxa5	-4.01986	0	0
Myl6	-2.09971	0	0
Slc39a10	-3.91865	0	0
Cd34	-5.5528	0	0
Sgms1	-3.90928	0	0

Col4a1	-5.45804	0	0
Msn	-4.92881	0	0
Itga1	-6.04089	0	0
Tns1	-5.40296	0	0
Serinc3	-2.60805	0	0
Esam	-5.44084	0	0
Rhob	-4.39764	0	0
Eng	-5.46097	0	0
Laptm4a	-2.64534	0	0
Ebf1	-5.76595	0	0
Hspb1	-4.94907	0	0
Klf4	-5.62352	0	0
Glul	-2.52382	0	0
Slc9a3r2	-5.22936	0	0
Timp3	-4.76421	0	0
Fxyd5	-5.50006	0	0
Abcg2	-5.57498	0	0
Jcad	-4.24707	0	0
Ramp2	-5.09274	0	0
Calm1	-1.94471	0	0
Kitl	-5.76197	0	0
Slco1c1	-5.3939	0	0
Clic4	-4.34573	0	0
Pecam1	-5.13566	0	0
Ptn	-4.5047	0	0
Tsc22d1	-2.97981	0	0
Tm4sf1	-5.43403	0	0
Nfib	-4.42491	0	0
S1pr1	-5.36686	0	0
Rgs5	-4.64435	0	0
Adgrl4	-5.56118	0	0
H2-D1	-3.73382	0	0
Id1	-4.97784	0	0
Selenop	-5.27881	0	0
Id3	-4.84879	0	0
Egfl7	-5.11729	0	0
B2m	-4.81478	0	0
Fn1	-5.1348	0	0
Utrn	-5.48929	0	0
Tmsb4x	-2.35734	0	0
Itm2a	-5.12645	0	0
Adgrf5	-5.46219	0	0
Zfp36l1	-4.90623	0	0
Hsp90ab1	-2.14228	0	0
Epas1	-3.05778	0	0
Abcb1a	-5.88785	0	0
Slc2a1	-3.42646	0	0

Ifitm3	-4.94141	0	0
Klf2	-4.87209	0	0
Crip2	-4.60853	0	0
Tcf4	-2.64837	0	0
Ly6a	-5.10465	0	0
Ahnak	-5.55257	0	0
Actb	-2.31572	0	0
Cxcl12	-5.7477	0	0
Slco1a4	-5.37099	0	0
Ly6e	-5.1511	0	0
Ly6c1	-4.98618	0	0
Sptbn1	-2.75158	0	0
Vim	-4.00025	0	0
Pltp	-5.10785	0	0
Ptprb	-5.77675	0	0
Spock2	-5.18921	0	0
Ppia	-2.46475	0	0
Cldn5	-5.23777	0	0
Igfbp7	-5.19409	0	0
Bsg	-2.97283	0	0
Gnas	-2.81367	0	0
Sparcl1	-5.45753	0	0
Itm2b	-2.63967	0	0
App	-5.10281	0	0
Gnai2	-3.77542	0	0
Flt1	-5.45243	0	0
Sparc	-5.0198	0	0