

Supplementary Table S4: Significantly (FDR < 0.05) differential gene expression between preserved and paired lesioned samples.

ensembl	gene	logCPM	logFC	FC	PValue	FDR
ENSG00000196352	CD55	9.150	1.654	3.146	5.03E-24	5.26E-20
ENSG00000106089	STX1A	4.565	1.490	2.809	7.96E-20	4.17E-16
ENSG00000090530	P3H2	6.518	1.744	3.350	2.23E-19	7.77E-16
ENSG00000125864	BFSP1	4.569	1.161	2.236	2.17E-18	5.67E-15
ENSG00000114737	CISH	2.628	-0.933	0.524	8.05E-18	1.68E-14
ENSG00000134259	NGF	3.923	2.515	5.717	2.11E-17	3.03E-14
ENSG00000196104	SPOCK3	3.307	-2.846	0.139	2.26E-17	3.03E-14
ENSG00000066382	MPPED2	3.323	-1.376	0.385	2.32E-17	3.03E-14
ENSG00000196517	SLC6A9	3.400	0.786	1.724	3.39E-17	3.61E-14
ENSG00000100593	ISM2	3.279	2.622	6.157	3.45E-17	3.61E-14
ENSG00000187068	C3orf70	3.779	-1.195	0.437	1.64E-16	1.56E-13
ENSG00000111245	MYL2	2.908	4.403	21.150	5.97E-16	4.97E-13
ENSG00000196878	LAMB3	5.217	2.052	4.146	6.17E-16	4.97E-13
ENSG00000183098	GPC6	8.610	-0.971	0.510	7.27E-16	5.43E-13
ENSG00000145824	CXCL14	5.843	2.238	4.719	1.61E-15	1.13E-12
ENSG00000135636	DYSF	5.788	1.312	2.483	2.03E-15	1.33E-12
ENSG00000168528	SERINC2	2.872	0.859	1.814	2.95E-15	1.81E-12
ENSG00000196923	PDLIM7	6.214	1.208	2.310	4.29E-15	2.50E-12
ENSG00000171488	LRRC8C	3.924	1.354	2.557	7.95E-15	4.38E-12
ENSG00000178038	ALS2CL	5.609	0.837	1.787	9.40E-15	4.92E-12
ENSG00000147010	SH3KBP1	4.805	0.838	1.788	1.13E-14	5.63E-12
ENSG00000179399	GPC5	3.829	-1.990	0.252	1.46E-14	6.95E-12
ENSG00000153714	LURAP1L	2.809	-0.784	0.581	2.19E-14	9.99E-12
ENSG00000160447	PKN3	5.824	0.752	1.684	2.60E-14	1.10E-11
ENSG00000185432	METTL7A	7.422	-0.879	0.544	2.63E-14	1.10E-11
ENSG00000000971	CFH	11.420	-1.424	0.373	3.03E-14	1.22E-11
ENSG00000005884	ITGA3	4.382	0.914	1.885	5.02E-14	1.95E-11
ENSG00000173210	ABLIM3	2.714	1.291	2.448	5.47E-14	2.04E-11
ENSG00000198729	PPP1R14C	4.821	1.405	2.649	7.04E-14	2.54E-11
ENSG00000150938	CRIM1	7.474	-1.081	0.473	8.12E-14	2.83E-11
ENSG00000204323	SMIM5	3.290	1.071	2.101	8.74E-14	2.95E-11
ENSG00000166033	HTRA1	12.721	1.517	2.863	9.35E-14	3.06E-11
ENSG00000178752	ERFE	4.722	2.265	4.807	9.98E-14	3.14E-11
ENSG00000182218	HHIPL1	6.407	1.049	2.069	1.02E-13	3.14E-11
ENSG00000128487	SPECC1	6.040	0.676	1.598	1.23E-13	3.67E-11
ENSG00000144749	LRIG1	5.685	-0.720	0.607	1.31E-13	3.82E-11
ENSG00000175093	SPSB4	3.143	1.137	2.200	1.35E-13	3.82E-11
ENSG00000172331	BPGM	5.172	0.947	1.928	1.59E-13	4.38E-11
ENSG00000131480	AOC2	5.176	1.350	2.549	1.84E-13	4.93E-11
ENSG00000181649	PHLDA2	2.913	1.242	2.366	1.88E-13	4.93E-11
ENSG00000105696	TMEM59L	4.012	2.497	5.646	2.53E-13	6.46E-11
ENSG00000229896		3.340	1.247	2.373	2.69E-13	6.61E-11
ENSG00000269113	TRABD2B	4.445	-0.966	0.512	2.75E-13	6.61E-11
ENSG00000176595	KBTBD11	3.885	-0.989	0.504	2.78E-13	6.61E-11
ENSG00000171408	PDE7B	4.474	-0.833	0.561	3.40E-13	7.92E-11
ENSG00000164176	EDIL3	9.354	-0.738	0.599	4.13E-13	9.39E-11
ENSG00000169583	CLIC3	2.987	2.067	4.191	4.50E-13	1.00E-10
ENSG00000138449	SLC40A1	7.516	-1.007	0.498	4.89E-13	1.07E-10
ENSG00000102362	SYTL4	6.322	0.573	1.487	5.25E-13	1.12E-10

ENSG00000091137	SLC26A4	4.526	-1.443	0.368	5.36E-13	1.12E-10
ENSG00000120254	MTHFD1L	5.678	0.909	1.877	5.48E-13	1.13E-10
ENSG00000165617	DACT1	4.291	-1.690	0.310	6.96E-13	1.40E-10
ENSG00000180616	SSTR2	3.822	-1.197	0.436	1.01E-12	2.00E-10
ENSG00000130294	KIF1A	2.771	-1.450	0.366	1.09E-12	2.11E-10
ENSG00000168487	BMP1	6.521	0.754	1.686	1.29E-12	2.46E-10
ENSG00000078596	ITM2A	7.261	-1.065	0.478	1.53E-12	2.87E-10
ENSG00000006016	CRLF1	8.733	2.200	4.595	1.70E-12	3.09E-10
ENSG00000102359	SRPX2	7.680	0.967	1.955	1.71E-12	3.09E-10
ENSG00000114270	COL7A1	5.837	1.534	2.896	1.81E-12	3.20E-10
ENSG00000168453	HR	4.713	0.724	1.652	1.85E-12	3.22E-10
ENSG00000091831	ESR1	4.245	-1.053	0.482	2.47E-12	4.24E-10
ENSG00000225697	SLC26A6	5.238	0.799	1.740	2.58E-12	4.35E-10
ENSG00000137642	SORL1	4.310	-1.128	0.457	2.84E-12	4.72E-10
ENSG00000127954	STEAP4	5.695	-1.634	0.322	3.08E-12	5.03E-10
ENSG00000131471	AOC3	3.781	1.153	2.224	3.14E-12	5.03E-10
ENSG00000171621	SPSB1	6.091	0.778	1.715	3.17E-12	5.03E-10
ENSG00000095752	IL11	7.720	4.587	24.040	3.76E-12	5.87E-10
ENSG00000006453	BAIAP2L1	4.396	0.773	1.709	4.06E-12	6.15E-10
ENSG00000024422	EHD2	7.109	0.454	1.370	4.09E-12	6.15E-10
ENSG00000092445	TYRO3	3.068	1.108	2.156	4.11E-12	6.15E-10
ENSG00000172348	RCAN2	4.624	-2.255	0.210	5.26E-12	7.68E-10
ENSG00000154556	SORBS2	5.665	0.838	1.787	5.28E-12	7.68E-10
ENSG00000152465	NMT2	4.292	-0.560	0.678	5.80E-12	8.31E-10
ENSG00000182580	EPHB3	4.580	-0.886	0.541	6.40E-12	9.06E-10
ENSG00000056736	IL17RB	4.331	-1.021	0.493	6.67E-12	9.31E-10
ENSG00000176887	SOX11	3.479	2.101	4.290	8.45E-12	1.16E-09
ENSG00000178573	MAF	6.288	-0.756	0.592	9.41E-12	1.28E-09
ENSG00000204071	TCEAL6	4.069	-1.023	0.492	9.73E-12	1.31E-09
ENSG00000166145	SPINT1	3.952	1.060	2.084	1.01E-11	1.34E-09
ENSG00000140859	KIFC3	6.140	0.641	1.559	1.04E-11	1.35E-09
ENSG00000006327	TNFRSF12A	5.241	1.805	3.495	1.12E-11	1.45E-09
ENSG00000228214		2.922	-1.175	0.443	1.21E-11	1.55E-09
ENSG00000070404	FSTL3	5.475	1.292	2.448	1.47E-11	1.85E-09
ENSG00000161638	ITGA5	8.403	0.629	1.546	1.67E-11	2.08E-09
ENSG00000149212	SESN3	6.015	-0.897	0.537	1.77E-11	2.19E-09
ENSG00000181656	GPR88	5.480	-1.149	0.451	2.00E-11	2.44E-09
ENSG00000169302	STK32A	4.593	-1.212	0.432	2.36E-11	2.84E-09
ENSG00000145681	HAPLN1	10.619	-0.955	0.516	2.40E-11	2.86E-09
ENSG00000185127	C6orf120	4.182	-0.374	0.772	2.89E-11	3.40E-09
ENSG00000135919	SERPINE2	8.788	1.476	2.782	3.08E-11	3.58E-09
ENSG00000008513	ST3GAL1	6.052	0.879	1.839	3.20E-11	3.68E-09
ENSG00000034971	MYOC	4.147	-1.469	0.361	3.28E-11	3.73E-09
ENSG00000151150	ANK3	6.542	1.397	2.633	3.36E-11	3.78E-09
ENSG00000189056	RELN	4.380	-2.496	0.177	3.47E-11	3.86E-09
ENSG00000141469	SLC14A1	7.447	-1.356	0.391	3.63E-11	4.00E-09
ENSG00000071073	MGAT4A	3.046	-0.985	0.505	4.11E-11	4.48E-09
ENSG00000158560	DYNC1I1	4.739	-0.864	0.549	4.31E-11	4.65E-09
ENSG00000105519	CAPS	6.297	1.229	2.344	4.58E-11	4.85E-09
ENSG00000105339	DENND3	5.139	0.786	1.724	4.59E-11	4.85E-09
ENSG00000090539	CHRD	4.476	0.735	1.664	5.08E-11	5.32E-09
ENSG00000164929	BAALC	5.145	1.398	2.635	5.28E-11	5.48E-09

ENSG00000120658	ENOX1	3.576	1.016	2.022	6.29E-11	6.46E-09
ENSG00000235770	LINC00607	2.956	1.471	2.772	7.15E-11	7.27E-09
ENSG00000180354	MTURN	5.464	-0.625	0.649	7.34E-11	7.39E-09
ENSG00000167191	GPRC5B	5.186	-1.200	0.435	7.81E-11	7.79E-09
ENSG00000159212	CLIC6	4.626	0.678	1.600	7.96E-11	7.86E-09
ENSG00000214688	C10orf105	5.876	1.465	2.762	8.36E-11	8.18E-09
ENSG00000011422	PLAUR	5.737	1.188	2.279	8.92E-11	8.64E-09
ENSG00000034239	EFCAB1	2.643	-0.800	0.574	1.20E-10	1.15E-08
ENSG00000146674	IGFBP3	7.282	1.801	3.484	1.38E-10	1.30E-08
ENSG00000048052	HDAC9	5.336	-1.049	0.483	1.38E-10	1.30E-08
ENSG00000105227	PRX	3.248	-0.788	0.579	1.42E-10	1.33E-08
ENSG00000002745	WNT16	4.429	3.288	9.765	1.44E-10	1.33E-08
ENSG00000187595	ZNF385C	4.471	-1.323	0.400	1.51E-10	1.39E-08
ENSG00000196405	EVL	6.084	0.720	1.648	1.58E-10	1.44E-08
ENSG00000102804	TSC22D1	9.932	-0.604	0.658	1.66E-10	1.50E-08
ENSG00000134882	UBAC2	6.173	0.638	1.556	1.87E-10	1.66E-08
ENSG00000069535	MAOB	6.707	-0.698	0.617	1.87E-10	1.66E-08
ENSG00000142875	PRKACB	5.033	-0.515	0.700	1.89E-10	1.66E-08
ENSG00000156427	FGF18	4.340	0.971	1.960	1.93E-10	1.69E-08
ENSG00000164761	TNFRSF11B	9.047	1.387	2.616	2.04E-10	1.75E-08
ENSG00000146530	VWDE	3.027	-1.185	0.440	2.04E-10	1.75E-08
ENSG00000186106	ANKRD46	3.703	-0.484	0.715	2.14E-10	1.82E-08
ENSG00000122756	CNTFR	6.084	-1.586	0.333	2.25E-10	1.90E-08
ENSG00000090006	LTBP4	8.227	0.640	1.559	2.31E-10	1.93E-08
ENSG00000109099	PMP22	8.601	0.520	1.434	2.40E-10	1.99E-08
ENSG00000172164	SNTB1	3.839	0.892	1.855	2.63E-10	2.17E-08
ENSG00000144908	ALDH1L1	3.328	-1.128	0.458	2.75E-10	2.25E-08
ENSG00000169255	B3GALNT1	4.140	-0.786	0.580	2.83E-10	2.29E-08
ENSG00000104783	KCNN4	5.107	1.717	3.287	2.96E-10	2.38E-08
ENSG00000233251		3.931	-1.584	0.334	3.00E-10	2.40E-08
ENSG00000153162	BMP6	5.394	1.405	2.649	3.06E-10	2.42E-08
ENSG00000196754	S100A2	3.322	2.145	4.423	3.26E-10	2.57E-08
ENSG00000145687	SSBP2	4.953	-0.469	0.723	3.33E-10	2.60E-08
ENSG00000109814	UGDH	6.481	0.573	1.488	3.48E-10	2.70E-08
ENSG00000137269	LRRC1	3.573	0.574	1.489	3.51E-10	2.70E-08
ENSG00000105852	PON3	2.581	-0.778	0.583	3.85E-10	2.94E-08
ENSG00000160111	CPAMD8	8.061	-1.220	0.429	4.10E-10	3.11E-08
ENSG00000185340	GAS2L1	4.545	0.743	1.673	4.17E-10	3.13E-08
ENSG00000121005	CRISPLD1	8.854	-1.991	0.252	4.18E-10	3.13E-08
ENSG00000139910	NOVA1	4.962	1.078	2.111	4.29E-10	3.18E-08
ENSG00000075651	PLD1	3.775	0.601	1.516	4.38E-10	3.22E-08
ENSG00000176490	DIRAS1	4.441	1.284	2.435	4.40E-10	3.22E-08
ENSG00000115414	FN1	16.471	1.128	2.186	4.68E-10	3.40E-08
ENSG00000162687	KCNT2	4.448	-1.202	0.435	4.89E-10	3.53E-08
ENSG00000170542	SERPINB9	3.359	-0.555	0.681	5.15E-10	3.70E-08
ENSG00000180672		5.162	1.017	2.023	5.27E-10	3.75E-08
ENSG00000144648	ACKR2	3.111	1.131	2.190	5.31E-10	3.76E-08
ENSG00000170088	TMEM192	4.377	-0.377	0.770	5.45E-10	3.83E-08
ENSG00000102007	PLP2	6.302	0.485	1.400	6.66E-10	4.65E-08
ENSG00000174791	RIN1	4.639	0.887	1.850	6.82E-10	4.73E-08
ENSG00000165795	NDRG2	7.470	-0.801	0.574	7.20E-10	4.96E-08
ENSG00000005238	FAM214B	4.887	0.509	1.423	7.60E-10	5.20E-08

ENSG00000257337		4.827	-0.771	0.586	8.00E-10	5.44E-08
ENSG00000183891	TTC32	3.315	-0.551	0.682	8.31E-10	5.56E-08
ENSG00000145247	OCIAD2	2.930	1.190	2.282	8.34E-10	5.56E-08
ENSG00000009830	POMT2	4.264	0.542	1.456	8.34E-10	5.56E-08
ENSG00000164292	RHOBTB3	6.257	-0.800	0.574	8.67E-10	5.74E-08
ENSG00000107623		8.781	-1.493	0.355	9.09E-10	5.98E-08
ENSG00000077063	CTTNBP2	4.344	-1.174	0.443	9.84E-10	6.44E-08
ENSG00000066322	ELOVL1	5.348	0.594	1.509	1.01E-09	6.55E-08
ENSG00000134602	STK26	7.662	-0.827	0.564	1.08E-09	6.97E-08
ENSG00000152137	HSPB8	4.677	0.849	1.801	1.12E-09	7.17E-08
ENSG00000169047	IRS1	4.887	-0.845	0.557	1.18E-09	7.54E-08
ENSG00000215386	MIR99AHG	3.759	-0.634	0.644	1.26E-09	8.01E-08
ENSG00000066468	FGFR2	7.641	-0.869	0.547	1.34E-09	8.43E-08
ENSG00000064225	ST3GAL6	2.758	-0.928	0.526	1.46E-09	9.13E-08
ENSG00000140598	EFL1	4.026	0.534	1.448	1.52E-09	9.46E-08
ENSG00000102409	BEX4	5.496	-0.459	0.728	1.57E-09	9.69E-08
ENSG00000196542	SPTSSB	4.525	-1.630	0.323	1.57E-09	9.69E-08
ENSG00000151748	SAV1	5.903	-0.536	0.690	1.72E-09	1.05E-07
ENSG00000165238	WNK2	3.925	-1.887	0.270	1.76E-09	1.07E-07
ENSG00000169231	THBS3	7.395	0.946	1.926	1.86E-09	1.13E-07
ENSG00000163399	ATP1A1	7.840	0.454	1.370	1.90E-09	1.15E-07
ENSG00000272268		2.930	1.192	2.285	1.96E-09	1.18E-07
ENSG00000117143	UAP1	7.260	0.597	1.512	2.00E-09	1.19E-07
ENSG0000013588	GPRC5A	5.144	0.689	1.612	2.02E-09	1.19E-07
ENSG00000166986	MARS	5.832	0.403	1.322	2.11E-09	1.24E-07
ENSG00000115325	DOK1	5.960	0.758	1.692	2.13E-09	1.25E-07
ENSG00000187957	DNER	6.341	1.807	3.500	2.21E-09	1.29E-07
ENSG00000142156	COL6A1	11.272	0.796	1.737	2.27E-09	1.31E-07
ENSG00000123838	C4BPA	3.482	-1.790	0.289	2.30E-09	1.32E-07
ENSG00000152270	PDE3B	3.798	-2.068	0.238	2.34E-09	1.34E-07
ENSG00000082781	ITGB5	9.047	0.740	1.671	2.53E-09	1.44E-07
ENSG00000197461	PDGFA	4.930	0.675	1.596	2.55E-09	1.44E-07
ENSG00000137699	TRIM29	4.547	1.109	2.157	2.63E-09	1.48E-07
ENSG00000111962	UST	3.666	-0.580	0.669	2.73E-09	1.53E-07
ENSG00000164949	GEM	6.085	-0.910	0.532	3.03E-09	1.69E-07
ENSG00000162512	SDC3	6.810	-1.326	0.399	3.11E-09	1.72E-07
ENSG00000145675	PIK3R1	6.971	-0.973	0.510	3.14E-09	1.73E-07
ENSG00000163697	APBB2	5.237	-0.593	0.663	3.16E-09	1.73E-07
ENSG00000135318	NT5E	8.571	0.914	1.884	3.20E-09	1.74E-07
ENSG00000154319	FAM167A	2.906	1.590	3.011	3.21E-09	1.74E-07
ENSG00000160991	ORAI2	5.574	0.402	1.322	3.27E-09	1.76E-07
ENSG00000021300	PLEKHB1	4.433	-0.733	0.601	3.40E-09	1.82E-07
ENSG00000106366	SERPINE1	8.131	1.862	3.634	3.58E-09	1.91E-07
ENSG00000050628	PTGER3	3.165	-1.876	0.272	3.66E-09	1.95E-07
ENSG00000264868		2.614	-1.419	0.374	3.85E-09	2.04E-07
ENSG00000173621	LRFN4	3.218	0.588	1.503	3.92E-09	2.06E-07
ENSG00000087116	ADAMTS2	6.687	1.005	2.006	4.71E-09	2.47E-07
ENSG00000205221	VIT	6.078	-2.270	0.207	4.75E-09	2.47E-07
ENSG00000130508	PXDN	7.085	0.944	1.924	4.85E-09	2.51E-07
ENSG00000117411	B4GALT2	6.654	0.522	1.436	5.06E-09	2.61E-07
ENSG00000169764	UGP2	8.383	0.603	1.519	5.44E-09	2.79E-07
ENSG00000163728	TTC14	5.173	-0.600	0.660	6.18E-09	3.15E-07

ENSG00000189058	APOD	8.265	-1.512	0.351	6.47E-09	3.29E-07
ENSG00000163171	CDC42EP3	4.838	-0.753	0.593	6.70E-09	3.38E-07
ENSG00000112312	GMNN	2.893	0.943	1.923	6.71E-09	3.38E-07
ENSG00000132122	SPATA6	3.203	-0.533	0.691	6.78E-09	3.40E-07
ENSG00000144152	FBLN7	6.709	-0.881	0.543	7.25E-09	3.61E-07
ENSG00000187446	CHP1	5.259	0.405	1.324	7.35E-09	3.65E-07
ENSG00000138316	ADAMTS14	3.529	1.898	3.726	7.39E-09	3.65E-07
ENSG00000137941	TTLL7	4.968	-0.825	0.564	7.91E-09	3.89E-07
ENSG00000198915	RASGEF1A	2.814	-0.693	0.619	8.07E-09	3.95E-07
ENSG00000149968	MMP3	8.434	-1.258	0.418	8.81E-09	4.29E-07
ENSG00000055163	CYFIP2	3.225	1.235	2.355	8.97E-09	4.35E-07
ENSG00000107249	GLIS3	4.037	1.087	2.124	9.11E-09	4.40E-07
ENSG00000100626	GALNT16	6.646	1.303	2.468	9.21E-09	4.42E-07
ENSG00000185989	RASA3	5.344	0.367	1.290	9.41E-09	4.50E-07
ENSG00000162998	FRZB	9.571	-2.150	0.225	9.48E-09	4.51E-07
ENSG00000163536	SERPINI1	5.380	-0.767	0.588	9.59E-09	4.54E-07
ENSG00000146233	CYP39A1	2.951	-1.037	0.487	9.88E-09	4.66E-07
ENSG00000105664	COMP	14.981	0.957	1.941	9.97E-09	4.68E-07
ENSG00000198925	ATG9A	5.180	0.309	1.239	1.00E-08	4.69E-07
ENSG00000111728	ST8SIA1	3.218	-0.590	0.664	1.02E-08	4.73E-07
ENSG00000173599	PC	5.803	0.391	1.311	1.04E-08	4.79E-07
ENSG00000183688	RFLNB	4.463	0.815	1.760	1.04E-08	4.81E-07
ENSG00000198732	SMOC1	9.114	0.654	1.573	1.05E-08	4.84E-07
ENSG00000158825	CDA	4.201	0.659	1.579	1.07E-08	4.88E-07
ENSG00000123610	TNFAIP6	6.713	1.911	3.760	1.08E-08	4.89E-07
ENSG00000157514	TSC22D3	8.401	0.703	1.628	1.08E-08	4.91E-07
ENSG00000131711	MAP1B	3.774	0.940	1.919	1.11E-08	5.00E-07
ENSG00000224389	C4B	3.782	-1.047	0.484	1.13E-08	5.07E-07
ENSG00000065357	DGKA	4.652	0.395	1.315	1.14E-08	5.08E-07
ENSG00000133985	TTC9	4.279	1.598	3.027	1.25E-08	5.55E-07
ENSG00000106785	TRIM14	2.746	-0.639	0.642	1.28E-08	5.69E-07
ENSG00000198848	CES1	2.798	-1.188	0.439	1.31E-08	5.80E-07
ENSG00000267194		5.044	-0.836	0.560	1.34E-08	5.90E-07
ENSG00000054392	HHAT	4.596	-0.681	0.624	1.44E-08	6.32E-07
ENSG00000067057	PFKP	8.236	0.549	1.463	1.51E-08	6.59E-07
ENSG00000114378	HYAL1	5.353	0.421	1.339	1.55E-08	6.74E-07
ENSG00000138613	APH1B	4.562	-0.429	0.743	1.57E-08	6.80E-07
ENSG00000198805	PNP	4.096	0.979	1.971	1.60E-08	6.90E-07
ENSG00000158352	SHROOM4	3.463	0.745	1.676	1.61E-08	6.90E-07
ENSG00000177990	DPY19L2	2.742	-0.968	0.511	1.67E-08	7.14E-07
ENSG00000114738	MAPKAPK3	4.293	0.667	1.587	1.68E-08	7.15E-07
ENSG00000183876	ARSI	3.024	1.218	2.327	1.70E-08	7.19E-07
ENSG00000112964	GHR	4.929	-0.765	0.589	1.70E-08	7.19E-07
ENSG00000125844	RRBP1	9.180	0.389	1.310	1.71E-08	7.19E-07
ENSG00000105835	NAMPT	6.540	-0.759	0.591	1.75E-08	7.32E-07
ENSG00000101000	PROCR	6.566	0.630	1.548	1.76E-08	7.34E-07
ENSG00000158301	GPRASP2	4.891	-0.530	0.693	1.80E-08	7.47E-07
ENSG00000131149	GSE1	4.578	-0.885	0.541	2.02E-08	8.35E-07
ENSG00000111859	NEDD9	3.272	0.808	1.751	2.07E-08	8.52E-07
ENSG00000103257	SLC7A5	4.889	1.156	2.228	2.13E-08	8.74E-07
ENSG00000198113	TOR4A	4.013	0.398	1.317	2.20E-08	9.00E-07
ENSG00000017483	SLC38A5	4.666	1.157	2.230	2.23E-08	9.09E-07

ENSG00000088298	EDEM2	4.883	0.527	1.441	2.27E-08	9.21E-07
ENSG00000039560	RAI14	5.434	0.870	1.828	2.34E-08	9.44E-07
ENSG00000205726	ITSN1	5.896	-0.876	0.545	2.39E-08	9.63E-07
ENSG00000101493	ZNF516	3.799	-0.473	0.721	2.49E-08	9.98E-07
ENSG00000175505	CLCF1	3.198	1.064	2.091	2.57E-08	1.03E-06
ENSG00000198919	DZIP3	4.515	-0.584	0.667	2.62E-08	1.04E-06
ENSG00000143816	WNT9A	3.812	1.372	2.588	2.70E-08	1.07E-06
ENSG00000179403	VWA1	6.834	0.541	1.455	2.72E-08	1.07E-06
ENSG00000175048	ZDHHC14	3.484	-0.691	0.620	2.74E-08	1.08E-06
ENSG00000056998	GYG2	2.841	-0.805	0.572	2.78E-08	1.09E-06
ENSG00000154153	FAM134B	7.074	0.659	1.579	2.79E-08	1.09E-06
ENSG00000170801	HTRA3	6.979	0.733	1.663	2.80E-08	1.09E-06
ENSG00000128602	SMO	6.825	-0.599	0.660	2.87E-08	1.11E-06
ENSG00000144161	ZC3H8	4.233	-0.554	0.681	2.93E-08	1.13E-06
ENSG00000142173	COL6A2	11.816	0.751	1.683	3.04E-08	1.17E-06
ENSG00000167077	MEI1	3.390	-0.771	0.586	3.18E-08	1.22E-06
ENSG00000120832	MTERF2	2.862	-0.533	0.691	3.19E-08	1.22E-06
ENSG00000133048	CHI3L1	11.410	-0.943	0.520	3.21E-08	1.22E-06
ENSG00000134198	TSPAN2	7.791	0.965	1.952	3.44E-08	1.30E-06
ENSG00000092820	EZR	5.988	0.900	1.866	3.51E-08	1.33E-06
ENSG00000129355	CDKN2D	4.233	0.590	1.505	3.52E-08	1.33E-06
ENSG00000131435	PDLIM4	5.852	0.517	1.431	3.54E-08	1.33E-06
ENSG00000155324	GRAMD3	4.076	-0.393	0.761	3.70E-08	1.38E-06
ENSG00000170955	PRKCDBP	5.592	0.670	1.591	3.71E-08	1.38E-06
ENSG00000182168	UNC5C	4.895	-0.857	0.552	3.77E-08	1.40E-06
ENSG00000167772	ANGPTL4	7.966	1.259	2.394	4.00E-08	1.48E-06
ENSG00000164619	BMPER	4.685	-1.155	0.449	4.05E-08	1.49E-06
ENSG00000097021	ACOT7	4.362	0.886	1.848	4.05E-08	1.49E-06
ENSG00000129244	ATP1B2	3.639	-0.971	0.510	4.07E-08	1.49E-06
ENSG00000174628	IQCK	3.335	-0.500	0.707	4.07E-08	1.49E-06
ENSG00000131459	GFPT2	6.752	0.614	1.531	4.10E-08	1.49E-06
ENSG00000168056	LTBP3	9.827	0.432	1.349	4.13E-08	1.50E-06
ENSG00000120837	NFYB	4.576	-0.340	0.790	4.15E-08	1.50E-06
ENSG00000164877	MICALL2	5.180	0.474	1.389	4.36E-08	1.57E-06
ENSG00000179862	CITED4	2.754	1.545	2.917	4.42E-08	1.58E-06
ENSG00000144040	SFXN5	3.947	0.436	1.353	4.50E-08	1.61E-06
ENSG00000006534	ALDH3B1	4.415	0.601	1.516	4.63E-08	1.65E-06
ENSG00000144843	ADPRH	3.103	0.590	1.505	4.85E-08	1.72E-06
ENSG00000160410	SHKBP1	4.804	0.487	1.402	5.01E-08	1.77E-06
ENSG00000153902	LGI4	5.227	-1.291	0.409	5.17E-08	1.82E-06
ENSG00000100350	FOXRED2	3.027	-0.475	0.720	5.17E-08	1.82E-06
ENSG00000179542	SLITRK4	3.164	-1.300	0.406	5.19E-08	1.82E-06
ENSG00000244734	HBB	8.314	1.580	2.989	5.23E-08	1.82E-06
ENSG00000111863	ADTRP	3.681	1.312	2.482	5.28E-08	1.84E-06
ENSG00000108984	MAP2K6	5.211	-0.753	0.593	5.30E-08	1.84E-06
ENSG00000206172	HBA1	4.119	1.756	3.379	5.45E-08	1.88E-06
ENSG00000177697	CD151	7.894	0.719	1.646	5.76E-08	1.98E-06
ENSG00000116991	SIPA1L2	6.039	0.888	1.851	5.90E-08	2.03E-06
ENSG00000013619	MAMLD1	2.758	0.722	1.650	5.97E-08	2.04E-06
ENSG00000204136	GGTA1P	4.101	-1.239	0.424	5.99E-08	2.04E-06
ENSG00000188064	WNT7B	2.920	1.813	3.514	6.15E-08	2.08E-06
ENSG00000093167	LRRFIP2	6.181	0.427	1.345	6.15E-08	2.08E-06

ENSG00000054219	LY75	2.923	-0.767	0.588	6.17E-08	2.08E-06
ENSG00000100036	SLC35E4	2.822	1.047	2.067	6.28E-08	2.11E-06
ENSG00000169439	SDC2	9.208	-0.340	0.790	6.64E-08	2.23E-06
ENSG00000133104	SPG20	5.953	-0.354	0.783	6.80E-08	2.27E-06
ENSG00000074181	NOTCH3	4.882	1.705	3.261	6.91E-08	2.30E-06
ENSG00000150540	HNMT	4.379	-0.495	0.710	7.00E-08	2.32E-06
ENSG00000120802	TMPO	4.165	-0.434	0.740	7.03E-08	2.32E-06
ENSG00000007171	NOS2	3.223	0.650	1.569	7.04E-08	2.32E-06
ENSG00000137285	TUBB2B	5.207	-0.760	0.590	7.08E-08	2.33E-06
ENSG00000129925	TMEM8A	4.569	0.467	1.383	7.14E-08	2.34E-06
ENSG00000168564	CDKN2AIP	4.695	-0.331	0.795	7.26E-08	2.38E-06
ENSG00000003989	SLC7A2	7.709	0.916	1.886	7.93E-08	2.58E-06
ENSG00000148660	CAMK2G	4.310	-0.470	0.722	8.01E-08	2.61E-06
ENSG00000269783		5.001	1.012	2.016	8.42E-08	2.73E-06
ENSG00000198417	MT1F	5.469	0.957	1.942	8.51E-08	2.75E-06
ENSG00000183691	NOG	2.766	1.147	2.214	8.82E-08	2.84E-06
ENSG00000109919	MTCH2	4.582	0.417	1.335	8.97E-08	2.88E-06
ENSG00000169180	XPO6	5.565	0.286	1.219	9.03E-08	2.89E-06
ENSG00000113758	DBN1	4.836	0.681	1.604	9.49E-08	3.03E-06
ENSG00000158710	TAGLN2	8.306	0.826	1.773	9.74E-08	3.10E-06
ENSG00000170915	PAQR8	2.868	-0.494	0.710	9.91E-08	3.14E-06
ENSG00000205358	MT1H	3.636	1.537	2.901	1.01E-07	3.18E-06
ENSG00000120875	DUSP4	3.382	1.717	3.288	1.03E-07	3.26E-06
ENSG00000153291	SLC25A27	4.913	-0.776	0.584	1.06E-07	3.34E-06
ENSG00000163359	COL6A3	10.768	1.086	2.123	1.09E-07	3.41E-06
ENSG00000198792	TMEM184B	5.336	0.393	1.313	1.09E-07	3.42E-06
ENSG00000152219	ARL14EP	4.229	-0.311	0.806	1.12E-07	3.49E-06
ENSG00000125648	SLC25A23	4.077	0.331	1.258	1.18E-07	3.65E-06
ENSG00000151491	EPS8	6.944	-0.596	0.662	1.21E-07	3.74E-06
ENSG00000149090	PAMR1	3.738	1.110	2.159	1.24E-07	3.82E-06
ENSG00000124406	ATP8A1	2.643	-0.884	0.542	1.25E-07	3.83E-06
ENSG00000138413	IDH1	5.851	-0.414	0.750	1.27E-07	3.91E-06
ENSG00000080845	DLGAP4	5.731	0.366	1.289	1.29E-07	3.95E-06
ENSG00000188536	HBA2	6.261	1.816	3.522	1.30E-07	3.97E-06
ENSG00000110315	RNF141	4.595	-0.359	0.780	1.31E-07	3.99E-06
ENSG00000155849	ELMO1	4.398	0.618	1.534	1.33E-07	4.04E-06
ENSG00000032742	IFT88	3.878	-0.406	0.755	1.34E-07	4.06E-06
ENSG00000106976	DNM1	6.375	0.457	1.373	1.35E-07	4.08E-06
ENSG00000182752	PAPPA	5.009	1.825	3.544	1.43E-07	4.29E-06
ENSG00000125144	MT1G	6.978	1.491	2.811	1.43E-07	4.29E-06
ENSG00000146242	TPBG	5.860	0.376	1.298	1.49E-07	4.45E-06
ENSG00000046889	PREX2	3.268	1.347	2.543	1.49E-07	4.45E-06
ENSG00000095303	PTGS1	5.867	-0.713	0.610	1.52E-07	4.51E-06
ENSG00000171055	FEZ2	4.794	-0.314	0.804	1.57E-07	4.65E-06
ENSG00000137309	HMGA1	3.213	1.192	2.285	1.62E-07	4.80E-06
ENSG00000118985	ELL2	7.277	-0.606	0.657	1.63E-07	4.81E-06
ENSG00000105810	CDK6	4.762	0.823	1.770	1.66E-07	4.86E-06
ENSG00000128284	APOL3	4.436	-0.887	0.541	1.66E-07	4.86E-06
ENSG00000134013	LOXL2	7.400	1.215	2.321	1.67E-07	4.90E-06
ENSG00000151632	AKR1C2	6.749	0.871	1.830	1.69E-07	4.94E-06
ENSG00000177042	TMEM80	3.919	-0.454	0.730	1.75E-07	5.08E-06
ENSG00000181031	RPH3AL	4.133	0.558	1.473	1.76E-07	5.10E-06

ENSG00000101190	TCFL5	4.135	-0.492	0.711	1.93E-07	5.59E-06
ENSG00000167601	AXL	6.735	0.411	1.329	2.02E-07	5.81E-06
ENSG00000177663	IL17RA	3.822	0.448	1.364	2.14E-07	6.14E-06
ENSG00000167114	SLC27A4	4.027	0.656	1.575	2.14E-07	6.14E-06
ENSG00000137962	ARHGAP29	5.105	-0.942	0.521	2.15E-07	6.14E-06
ENSG00000095713	CRTAC1	12.029	0.973	1.962	2.17E-07	6.19E-06
ENSG00000144857	BOC	7.490	-0.863	0.550	2.18E-07	6.19E-06
ENSG00000197380	DACT3	3.290	-0.687	0.621	2.22E-07	6.30E-06
ENSG00000171817	ZNF540	2.584	-0.521	0.697	2.24E-07	6.33E-06
ENSG00000102760	RGCC	8.532	0.629	1.546	2.25E-07	6.33E-06
ENSG00000196693	ZNF33B	2.895	-0.648	0.638	2.26E-07	6.35E-06
ENSG00000077044	DGKD	4.634	0.564	1.478	2.27E-07	6.37E-06
ENSG00000204291	COL15A1	8.923	0.972	1.962	2.28E-07	6.38E-06
ENSG00000117069	ST6GALNAC5	3.783	1.673	3.190	2.34E-07	6.54E-06
ENSG00000177989	ODF3B	4.010	1.003	2.004	2.39E-07	6.65E-06
ENSG00000154721	JAM2	3.617	-0.691	0.619	2.45E-07	6.81E-06
ENSG00000114850	SSR3	8.354	-0.416	0.749	2.51E-07	6.95E-06
ENSG00000187189	TSPYL4	4.954	-0.484	0.715	2.57E-07	7.09E-06
ENSG00000110092	CCND1	5.340	0.960	1.946	2.60E-07	7.15E-06
ENSG00000204789	ZNF204P	4.137	-0.577	0.670	2.69E-07	7.40E-06
ENSG00000049192	ADAMTS6	5.860	1.114	2.165	2.77E-07	7.59E-06
ENSG00000138356	AOX1	3.875	-0.540	0.688	2.82E-07	7.71E-06
ENSG00000169908	TM4SF1	7.017	0.612	1.529	2.86E-07	7.79E-06
ENSG00000184905	TCEAL2	6.148	-0.451	0.731	2.87E-07	7.79E-06
ENSG00000071967	CYBRD1	8.842	-0.445	0.734	2.88E-07	7.80E-06
ENSG00000169239	CA5B	6.370	0.555	1.469	2.89E-07	7.82E-06
ENSG00000100380	ST13	7.362	-0.314	0.804	2.90E-07	7.82E-06
ENSG00000154175	ABI3BP	9.702	0.923	1.896	2.92E-07	7.84E-06
ENSG00000185532	PRKG1	4.340	-0.879	0.544	2.93E-07	7.84E-06
ENSG00000104936	DMPK	4.816	0.419	1.337	2.93E-07	7.84E-06
ENSG00000273131		3.572	-0.439	0.738	2.95E-07	7.88E-06
ENSG00000169071	ROR2	5.057	-0.672	0.628	2.96E-07	7.88E-06
ENSG00000269996		3.217	-0.396	0.760	2.98E-07	7.91E-06
ENSG00000047634	SCML1	3.733	-0.554	0.681	3.00E-07	7.95E-06
ENSG00000237424	FOXD2-AS1	2.920	-0.510	0.702	3.01E-07	7.96E-06
ENSG00000105357	MYH14	3.193	-0.935	0.523	3.07E-07	8.10E-06
ENSG00000102225	CDK16	5.868	0.268	1.204	3.10E-07	8.16E-06
ENSG00000205356	TECPR1	3.749	0.366	1.289	3.30E-07	8.65E-06
ENSG00000142303	ADAMTS10	4.294	0.500	1.415	3.36E-07	8.79E-06
ENSG00000134748	PRPF38A	5.078	-0.298	0.813	3.51E-07	9.17E-06
ENSG00000185803	SLC52A2	4.368	0.587	1.503	3.54E-07	9.21E-06
ENSG00000081189	MEF2C	5.525	-0.520	0.697	3.57E-07	9.27E-06
ENSG00000143344	RGL1	4.826	-0.620	0.651	3.58E-07	9.27E-06
ENSG00000141582	CBX4	3.706	0.357	1.280	3.59E-07	9.27E-06
ENSG00000133195	SLC39A11	3.723	-0.520	0.698	3.62E-07	9.34E-06
ENSG00000186310	NAP1L3	4.367	-0.416	0.749	3.64E-07	9.37E-06
ENSG00000110697	PITPNM1	5.079	0.368	1.291	3.68E-07	9.45E-06
ENSG00000146281	PM20D2	4.211	-0.613	0.654	3.76E-07	9.63E-06
ENSG00000082497	SERTAD4	6.707	-0.544	0.686	3.79E-07	9.68E-06
ENSG00000178425	NT5DC1	4.538	-0.371	0.773	3.80E-07	9.68E-06
ENSG00000035664	DAPK2	2.966	-0.636	0.644	3.96E-07	1.01E-05
ENSG00000087253	LPCAT2	2.933	-0.944	0.520	3.98E-07	1.01E-05

ENSG00000244731	C4A	4.035	-0.903	0.535	3.99E-07	1.01E-05
ENSG00000188015	S100A3	3.228	1.179	2.265	4.16E-07	1.05E-05
ENSG00000152931	PART1	5.427	0.724	1.652	4.19E-07	1.05E-05
ENSG00000150593	PDCD4	6.107	-0.394	0.761	4.20E-07	1.06E-05
ENSG00000106105	GARS	6.254	0.437	1.354	4.24E-07	1.06E-05
ENSG00000119686	FLVCR2	2.718	-0.729	0.603	4.25E-07	1.06E-05
ENSG00000163485	ADORA1	4.280	0.729	1.657	4.39E-07	1.09E-05
ENSG00000115310	RTN4	7.624	0.322	1.250	4.39E-07	1.09E-05
ENSG00000109089	CDR2L	3.691	0.487	1.402	4.39E-07	1.09E-05
ENSG00000156453	PCDH1	3.014	1.218	2.327	4.40E-07	1.09E-05
ENSG00000204128	C2orf72	2.607	-0.738	0.599	4.44E-07	1.10E-05
ENSG00000066697	MSANTD3	3.640	0.537	1.451	4.51E-07	1.11E-05
ENSG00000011028	MRC2	9.419	0.404	1.324	4.54E-07	1.11E-05
ENSG00000256995		2.626	-1.307	0.404	4.54E-07	1.11E-05
ENSG00000171067	C11orf24	6.051	0.455	1.371	4.68E-07	1.15E-05
ENSG00000106397	PLOD3	5.760	0.377	1.299	4.80E-07	1.17E-05
ENSG00000164309	CMYA5	3.854	-1.178	0.442	4.88E-07	1.19E-05
ENSG00000113209	PCDHB5	2.808	-0.561	0.678	4.91E-07	1.19E-05
ENSG00000132470	ITGB4	4.122	0.867	1.823	4.98E-07	1.21E-05
ENSG00000162337	LRP5	4.688	-0.605	0.658	5.08E-07	1.23E-05
ENSG00000182903	ZNF721	3.993	-0.421	0.747	5.21E-07	1.26E-05
ENSG00000164118	CEP44	3.821	-0.375	0.771	5.29E-07	1.27E-05
ENSG00000112378	PERP	5.249	0.464	1.380	5.43E-07	1.30E-05
ENSG00000147642	SYBU	5.238	0.467	1.382	5.61E-07	1.34E-05
ENSG00000175866	BAIAP2	5.386	0.439	1.356	5.61E-07	1.34E-05
ENSG00000134830	C5AR2	4.384	0.478	1.393	6.13E-07	1.46E-05
ENSG00000142002	DPP9	4.554	0.291	1.223	6.17E-07	1.47E-05
ENSG00000114166	KAT2B	5.115	-0.517	0.699	6.36E-07	1.51E-05
ENSG00000111186	WNT5B	4.523	0.933	1.910	6.37E-07	1.51E-05
ENSG00000132680	KIAA0907	4.936	-0.466	0.724	6.77E-07	1.60E-05
ENSG00000153815	CMIP	5.186	0.651	1.570	6.93E-07	1.63E-05
ENSG00000065833	ME1	4.134	-0.471	0.722	7.06E-07	1.66E-05
ENSG00000206573	THUMPD3-AS1	3.672	-0.494	0.710	7.12E-07	1.67E-05
ENSG00000130702	LAMA5	3.750	0.948	1.930	7.14E-07	1.67E-05
ENSG00000105866	SP4	3.945	-0.514	0.700	7.26E-07	1.70E-05
ENSG00000197841	ZNF181	3.835	-0.439	0.738	7.45E-07	1.73E-05
ENSG00000120149	MSX2	2.756	1.682	3.208	7.46E-07	1.73E-05
ENSG00000159650	UROC1	3.921	1.189	2.280	7.50E-07	1.74E-05
ENSG00000173198	CYSLTR1	2.822	-1.045	0.485	7.88E-07	1.83E-05
ENSG00000113739	STC2	7.695	-1.052	0.482	8.08E-07	1.87E-05
ENSG00000120659	TNFSF11	5.135	1.161	2.235	8.10E-07	1.87E-05
ENSG00000118785	SPP1	9.512	1.735	3.328	8.21E-07	1.89E-05
ENSG00000113328	CCNG1	5.263	-0.341	0.789	8.27E-07	1.90E-05
ENSG00000100234	TIMP3	9.604	0.758	1.692	8.67E-07	1.99E-05
ENSG00000241839	PLEKHO2	5.259	-0.457	0.729	8.86E-07	2.02E-05
ENSG00000164237	CMBL	3.848	-0.350	0.785	8.86E-07	2.02E-05
ENSG00000130635	COL5A1	10.637	0.847	1.798	9.00E-07	2.05E-05
ENSG00000130529	TRPM4	3.508	0.663	1.583	9.01E-07	2.05E-05
ENSG00000183578	TNFAIP8L3	3.549	0.372	1.294	9.15E-07	2.07E-05
ENSG00000122707	RECK	5.344	-0.438	0.738	9.19E-07	2.08E-05
ENSG00000106992	AK1	5.276	0.562	1.476	9.40E-07	2.12E-05
ENSG00000236609	ZNF853	4.482	-0.356	0.781	9.40E-07	2.12E-05

ENSG00000117289		8.004	-0.601	0.659	9.45E-07	2.12E-05
ENSG00000159307	SCUBE1	7.940	-1.318	0.401	9.54E-07	2.14E-05
ENSG00000157240	FZD1	5.621	0.664	1.584	9.93E-07	2.22E-05
ENSG00000232931	LINC00342	3.451	-0.521	0.697	1.00E-06	2.23E-05
ENSG00000132718	SYT11	4.100	0.988	1.983	1.01E-06	2.25E-05
ENSG00000173451	THAP2	2.834	-0.403	0.756	1.03E-06	2.29E-05
ENSG00000225791	TRAM2-AS1	3.496	-0.407	0.754	1.03E-06	2.29E-05
ENSG00000223960		3.105	-0.424	0.745	1.04E-06	2.29E-05
ENSG00000131871	SELENOS	6.383	0.393	1.313	1.04E-06	2.29E-05
ENSG00000103335	PIEZO1	8.239	0.369	1.292	1.05E-06	2.32E-05
ENSG00000121858	TNFSF10	4.354	0.774	1.710	1.05E-06	2.32E-05
ENSG00000157766	ACAN	13.511	-0.645	0.639	1.06E-06	2.33E-05
ENSG00000124731	TREM1	5.604	1.804	3.492	1.07E-06	2.33E-05
ENSG00000214140	PRCD	2.837	-0.650	0.637	1.08E-06	2.36E-05
ENSG00000161326		5.099	0.439	1.355	1.08E-06	2.36E-05
ENSG00000171160	MORN4	3.263	-0.394	0.761	1.09E-06	2.38E-05
ENSG00000132640	BTBD3	4.035	-0.556	0.680	1.10E-06	2.38E-05
ENSG00000111269	CREBL2	5.317	-0.225	0.856	1.11E-06	2.40E-05
ENSG00000118515	SGK1	7.175	1.042	2.059	1.18E-06	2.55E-05
ENSG00000102109	PCSK1N	3.304	1.226	2.338	1.19E-06	2.56E-05
ENSG00000170873	MTSS1	3.060	1.122	2.177	1.19E-06	2.56E-05
ENSG00000132485	ZRANB2	6.825	-0.482	0.716	1.19E-06	2.56E-05
ENSG00000231764	DLX6-AS1	4.235	-0.723	0.606	1.20E-06	2.58E-05
ENSG00000154122	ANKH	10.014	0.482	1.396	1.21E-06	2.59E-05
ENSG00000056558	TRAF1	5.423	-0.649	0.638	1.21E-06	2.59E-05
ENSG00000102547	CAB39L	6.116	-0.394	0.761	1.21E-06	2.59E-05
ENSG00000118257	NRP2	6.562	0.797	1.738	1.22E-06	2.59E-05
ENSG00000102802	MEDAG	5.429	0.823	1.769	1.23E-06	2.62E-05
ENSG00000104738	MCM4	3.825	0.355	1.279	1.24E-06	2.62E-05
ENSG00000184226	PCDH9	3.105	-0.751	0.594	1.24E-06	2.62E-05
ENSG00000163644	PPM1K	4.929	-0.373	0.772	1.26E-06	2.66E-05
ENSG00000125821	DTD1	5.282	0.401	1.321	1.28E-06	2.69E-05
ENSG00000110047	EHD1	4.105	0.640	1.558	1.30E-06	2.74E-05
ENSG00000188730	VWC2	2.690	0.740	1.670	1.34E-06	2.81E-05
ENSG00000134242	PTPN22	4.653	-0.781	0.582	1.35E-06	2.82E-05
ENSG00000010310	GIPR	3.922	0.975	1.966	1.37E-06	2.86E-05
ENSG00000100139	MICALL1	3.698	0.564	1.479	1.37E-06	2.86E-05
ENSG00000111911	HINT3	3.349	-0.378	0.769	1.39E-06	2.90E-05
ENSG00000167994	RAB3IL1	4.584	-0.708	0.612	1.42E-06	2.95E-05
ENSG00000247572	CKMT2-AS1	3.037	-0.454	0.730	1.43E-06	2.97E-05
ENSG00000182871	COL18A1	5.540	1.109	2.158	1.44E-06	2.99E-05
ENSG00000165475	CRYL1	4.723	-0.474	0.720	1.46E-06	3.01E-05
ENSG00000066027	PPP2R5A	5.426	-0.324	0.799	1.49E-06	3.07E-05
ENSG00000105281	SLC1A5	6.610	0.438	1.355	1.50E-06	3.09E-05
ENSG00000214548	MEG3	7.438	-0.831	0.562	1.52E-06	3.12E-05
ENSG00000166821	PEX11A	2.962	-0.384	0.766	1.53E-06	3.13E-05
ENSG00000092068	SLC7A8	4.670	-0.627	0.648	1.55E-06	3.17E-05
ENSG00000161955	TNFSF13	2.850	-0.569	0.674	1.56E-06	3.17E-05
ENSG00000180011	ZADH2	4.376	-0.351	0.784	1.57E-06	3.20E-05
ENSG00000006747	SCIN	6.778	-0.592	0.663	1.65E-06	3.35E-05
ENSG00000197062	ZSCAN26	4.104	-0.340	0.790	1.65E-06	3.35E-05
ENSG00000160877	NACC1	3.571	0.374	1.296	1.70E-06	3.44E-05

ENSG00000196911	KPNA5	4.056	-0.458	0.728	1.70E-06	3.44E-05
ENSG00000149131	SERPING1	9.633	-0.546	0.685	1.76E-06	3.55E-05
ENSG00000165915	SLC39A13	6.695	0.351	1.276	1.76E-06	3.55E-05
ENSG00000187764	SEMA4D	2.721	0.550	1.464	1.79E-06	3.60E-05
ENSG00000179604	CDC42EP4	4.875	-0.558	0.679	1.80E-06	3.61E-05
ENSG00000112394	SLC16A10	5.083	0.884	1.846	1.80E-06	3.61E-05
ENSG00000139132	FGD4	2.960	-0.703	0.614	1.81E-06	3.62E-05
ENSG00000077942	FBLN1	6.037	-1.018	0.494	1.83E-06	3.64E-05
ENSG00000073008	PVR	4.230	0.422	1.340	1.88E-06	3.73E-05
ENSG00000174851	YIF1A	6.117	0.491	1.406	1.88E-06	3.74E-05
ENSG00000120318	ARAP3	3.147	0.520	1.434	1.90E-06	3.76E-05
ENSG00000145331	TRMT10A	2.850	-0.485	0.715	1.93E-06	3.82E-05
ENSG00000072071	ADGRL1	3.897	0.587	1.503	1.95E-06	3.84E-05
ENSG00000111907	TPD52L1	6.445	-0.474	0.720	1.96E-06	3.87E-05
ENSG00000120708	TGFBI	10.332	1.527	2.881	2.01E-06	3.95E-05
ENSG00000071127	WDR1	6.812	0.373	1.295	2.03E-06	3.99E-05
ENSG00000135723	FHOD1	4.555	0.516	1.430	2.04E-06	3.99E-05
ENSG00000109458	GAB1	4.691	-0.685	0.622	2.05E-06	4.02E-05
ENSG00000128274	A4GALT	5.031	0.738	1.668	2.08E-06	4.05E-05
ENSG00000221963	APOL6	3.617	-0.592	0.664	2.08E-06	4.05E-05
ENSG00000152953	STK32B	3.567	-1.023	0.492	2.11E-06	4.10E-05
ENSG00000138363	ATIC	5.581	0.502	1.416	2.13E-06	4.13E-05
ENSG00000141447	OSBPL1A	5.096	-0.543	0.686	2.16E-06	4.18E-05
ENSG00000137492	THAP12	4.941	-0.265	0.832	2.17E-06	4.20E-05
ENSG00000149380	P4HA3	5.962	1.157	2.230	2.18E-06	4.22E-05
ENSG00000171448	ZBTB26	3.334	-0.524	0.695	2.22E-06	4.26E-05
ENSG00000137274	BPHL	3.438	-0.383	0.767	2.22E-06	4.26E-05
ENSG00000111432	FZD10	3.427	1.165	2.243	2.22E-06	4.26E-05
ENSG00000137216	TMEM63B	3.955	0.368	1.291	2.25E-06	4.31E-05
ENSG00000242732	RGAG4	3.709	-0.561	0.678	2.28E-06	4.36E-05
ENSG00000170962	PDGFD	5.227	-0.774	0.585	2.30E-06	4.40E-05
ENSG00000104731	KLHDC4	3.547	0.507	1.421	2.34E-06	4.47E-05
ENSG00000148848	ADAM12	5.393	1.304	2.469	2.39E-06	4.55E-05
ENSG00000223561		3.378	-1.433	0.370	2.39E-06	4.55E-05
ENSG00000054938	CHRD12	8.190	-2.776	0.146	2.45E-06	4.64E-05
ENSG00000197747	S100A10	8.799	0.701	1.626	2.47E-06	4.67E-05
ENSG00000180543	TSPYL5	5.062	-0.411	0.752	2.48E-06	4.69E-05
ENSG00000068078	FGFR3	7.264	-0.664	0.631	2.49E-06	4.69E-05
ENSG00000128342	LIF	4.054	2.049	4.137	2.52E-06	4.74E-05
ENSG00000168546	GFRA2	5.255	1.495	2.818	2.57E-06	4.82E-05
ENSG00000065534	MYLK	4.164	-0.990	0.504	2.57E-06	4.82E-05
ENSG00000121064	SCPEP1	6.335	-0.327	0.797	2.65E-06	4.96E-05
ENSG00000100321	SYNGR1	4.943	-0.391	0.763	2.70E-06	5.05E-05
ENSG00000043039	BARX2	3.519	0.865	1.821	2.78E-06	5.19E-05
ENSG00000070882	OSBPL3	3.778	0.767	1.701	2.85E-06	5.31E-05
ENSG00000066735	KIF26A	3.137	-0.586	0.666	2.86E-06	5.32E-05
ENSG00000064666	CNN2	4.063	-0.508	0.703	2.87E-06	5.32E-05
ENSG00000174804	FZD4	4.020	-0.668	0.630	2.93E-06	5.43E-05
ENSG00000114670	NEK11	3.803	-0.387	0.765	3.01E-06	5.57E-05
ENSG00000220785	MTMR9LP	3.787	-0.582	0.668	3.03E-06	5.60E-05
ENSG00000105426	PTPRS	6.470	-0.609	0.656	3.05E-06	5.62E-05
ENSG00000122176	FMOD	13.561	0.432	1.349	3.17E-06	5.84E-05

ENSG00000034152	MAP2K3	5.449	0.408	1.327	3.24E-06	5.94E-05
ENSG00000186684	CYP27C1	5.269	0.584	1.499	3.40E-06	6.22E-05
ENSG00000235750	KIAA0040	7.218	0.507	1.421	3.41E-06	6.24E-05
ENSG00000146352	CLVS2	4.760	1.091	2.130	3.48E-06	6.35E-05
ENSG00000147324	MFHAS1	3.544	-0.433	0.741	3.49E-06	6.36E-05
ENSG00000095321	CRAT	5.736	0.334	1.261	3.50E-06	6.36E-05
ENSG00000204381	LAYN	3.992	-0.512	0.701	3.50E-06	6.36E-05
ENSG00000006071	ABCC8	2.960	-0.916	0.530	3.51E-06	6.37E-05
ENSG00000099377	HSD3B7	5.747	0.981	1.974	3.52E-06	6.37E-05
ENSG00000111605	CPSF6	5.416	-0.348	0.786	3.52E-06	6.37E-05
ENSG00000028528	SNX1	6.275	-0.301	0.812	3.64E-06	6.56E-05
ENSG00000176014	TUBB6	6.083	0.578	1.493	3.66E-06	6.59E-05
ENSG00000174032	SLC25A30	3.736	-0.470	0.722	3.71E-06	6.67E-05
ENSG00000016391	CHDH	4.231	-0.638	0.642	3.71E-06	6.67E-05
ENSG00000076356	PLXNA2	4.879	0.822	1.768	3.78E-06	6.77E-05
ENSG00000125730	C3	3.389	-2.229	0.213	3.79E-06	6.77E-05
ENSG00000197620	CXorf40A	3.101	0.400	1.319	3.85E-06	6.87E-05
ENSG00000064042	LIMCH1	7.152	-0.633	0.645	3.90E-06	6.95E-05
ENSG00000136111	TBC1D4	4.566	-0.561	0.678	3.91E-06	6.95E-05
ENSG00000101294	HM13	6.961	0.414	1.332	4.01E-06	7.13E-05
ENSG00000121075	TBX4	4.869	-0.721	0.607	4.02E-06	7.14E-05
ENSG00000172748	ZNF596	2.721	-0.418	0.749	4.07E-06	7.21E-05
ENSG00000120915	EPHX2	4.815	-0.407	0.754	4.09E-06	7.23E-05
ENSG00000115641	FHL2	4.188	0.773	1.708	4.18E-06	7.38E-05
ENSG00000164039	BDH2	5.055	-0.407	0.754	4.20E-06	7.40E-05
ENSG00000198932	GPRASP1	6.123	-0.586	0.666	4.23E-06	7.43E-05
ENSG00000198742	SMURF1	3.830	0.617	1.534	4.37E-06	7.68E-05
ENSG00000175356	SCUBE2	4.130	-0.685	0.622	4.39E-06	7.69E-05
ENSG00000115295	CLIP4	3.334	-0.418	0.748	4.41E-06	7.71E-05
ENSG00000152558	TMEM123	5.780	-0.298	0.814	4.58E-06	8.01E-05
ENSG00000148344	PTGES	4.042	1.492	2.812	4.61E-06	8.05E-05
ENSG00000143149	ALDH9A1	4.521	-0.358	0.780	4.68E-06	8.16E-05
ENSG00000138604	GLCE	3.848	-0.414	0.750	4.78E-06	8.30E-05
ENSG00000113719	ERGIC1	7.372	0.339	1.265	4.78E-06	8.30E-05
ENSG00000005059	MCUB	4.010	0.551	1.465	4.90E-06	8.49E-05
ENSG00000077274	CAPN6	3.751	-1.835	0.280	5.09E-06	8.80E-05
ENSG00000075035	WSCD2	6.681	-0.567	0.675	5.18E-06	8.95E-05
ENSG00000151690	MFSD6	2.906	0.680	1.602	5.29E-06	9.12E-05
ENSG00000079482	OPHN1	4.211	-0.858	0.552	5.30E-06	9.13E-05
ENSG00000138744	NAAA	4.857	-0.376	0.771	5.33E-06	9.16E-05
ENSG00000099139	PCSK5	3.541	0.533	1.447	5.38E-06	9.23E-05
ENSG00000107984	DKK1	3.538	-1.299	0.406	5.41E-06	9.26E-05
ENSG00000103966	EHD4	3.663	0.640	1.559	5.41E-06	9.26E-05
ENSG00000077514	POLD3	3.618	-0.346	0.787	5.42E-06	9.26E-05
ENSG00000144649	FAM198A	3.507	-1.125	0.458	5.49E-06	9.36E-05
ENSG00000166292	TMEM100	4.723	0.616	1.533	5.56E-06	9.46E-05
ENSG00000165434	PGM2L1	4.552	0.861	1.816	5.63E-06	9.57E-05
ENSG00000179222	MAGED1	8.345	0.317	1.245	5.78E-06	9.80E-05
ENSG00000186417	GLDN	6.158	-0.522	0.697	5.97E-06	0.000101204
ENSG00000164062	APEH	5.419	0.384	1.305	5.98E-06	0.000101205
ENSG00000188522	FAM83G	3.656	0.674	1.596	6.01E-06	0.000101278
ENSG00000175567	UCP2	4.039	0.908	1.877	6.01E-06	0.000101278

ENSG00000115107	STEAP3	7.604	0.333	1.260	6.02E-06	0.000101278
ENSG00000197320		3.523	-1.618	0.326	6.19E-06	0.000103988
ENSG00000156050	FAM161B	2.770	-0.435	0.740	6.20E-06	0.000103988
ENSG00000075223	SEMA3C	5.791	0.890	1.854	6.22E-06	0.000103988
ENSG00000132424	PNISR	7.286	-0.514	0.700	6.22E-06	0.000103988
ENSG00000160145	KALRN	4.638	0.560	1.474	6.25E-06	0.000104355
ENSG00000164591	MYOZ3	3.374	-1.172	0.444	6.31E-06	0.000105094
ENSG00000107438	PDLIM1	3.698	1.384	2.610	6.31E-06	0.000105094
ENSG00000106524	ANKMY2	4.177	-0.278	0.825	6.34E-06	0.00010527
ENSG00000144645	OSBPL10	5.171	0.406	1.325	6.39E-06	0.000106009
ENSG00000184515	BEX5	2.981	-0.662	0.632	6.41E-06	0.000106152
ENSG00000173757	STAT5B	6.203	-0.344	0.788	6.57E-06	0.000108583
ENSG00000132481	TRIM47	5.843	0.531	1.445	6.65E-06	0.000109772
ENSG00000179954	SSC5D	6.934	0.658	1.578	6.75E-06	0.000111248
ENSG00000104415	WISP1	4.731	1.132	2.191	6.80E-06	0.000111986
ENSG00000168734	PKIG	5.859	0.451	1.367	6.86E-06	0.000112772
ENSG00000120798	NR2C1	4.738	-0.334	0.793	6.91E-06	0.000113369
ENSG00000188783	PRELP	12.910	0.545	1.459	6.92E-06	0.000113376
ENSG00000134369	NAV1	6.360	0.543	1.457	6.99E-06	0.000114262
ENSG00000127951	FGL2	3.220	-0.986	0.505	7.01E-06	0.000114451
ENSG00000221886	ZBED8	3.035	-0.576	0.671	7.02E-06	0.000114451
ENSG00000116871	MAP7D1	5.484	0.409	1.328	7.06E-06	0.000114914
ENSG00000158270	COLEC12	7.891	-0.800	0.574	7.12E-06	0.00011547
ENSG00000173692	PSMD1	5.875	0.324	1.252	7.13E-06	0.00011547
ENSG00000035115	SH3YL1	4.720	-0.307	0.808	7.13E-06	0.00011547
ENSG00000176619	LMNB2	4.277	0.415	1.333	7.24E-06	0.000117101
ENSG00000185950	IRS2	3.515	-0.406	0.755	7.27E-06	0.000117432
ENSG00000099219	ERMP1	4.920	-0.659	0.633	7.36E-06	0.000118744
ENSG00000188763	FZD9	4.998	-0.529	0.693	7.38E-06	0.00011881
ENSG00000163596	ICA1L	3.506	-0.596	0.661	7.48E-06	0.000120305
ENSG00000204248	COL11A2	11.353	-0.891	0.539	7.51E-06	0.000120588
ENSG00000121900	TMEM54	4.308	0.750	1.682	7.56E-06	0.000121224
ENSG00000059145	UNKL	3.860	-0.313	0.805	7.58E-06	0.000121269
ENSG00000198556	ZNF789	3.416	-0.371	0.773	7.65E-06	0.000122128
ENSG00000184216	IRAK1	5.675	0.395	1.315	7.65E-06	0.000122128
ENSG00000103855	CD276	6.955	0.575	1.490	7.70E-06	0.000122755
ENSG00000180769	WDFY3-AS2	3.296	-0.398	0.759	7.75E-06	0.000123243
ENSG00000106070	GRB10	4.914	0.582	1.497	7.77E-06	0.000123444
ENSG00000126947	ARMCX1	4.954	-0.366	0.776	7.81E-06	0.000123673
ENSG00000254986	DPP3	3.315	0.326	1.253	7.81E-06	0.000123673
ENSG00000204394	VAR5	5.003	0.364	1.287	7.91E-06	0.000125045
ENSG00000038427	VCAN	7.046	1.024	2.034	8.08E-06	0.000127297
ENSG00000257923	CUX1	6.785	0.292	1.224	8.09E-06	0.000127297
ENSG00000100596	SPTLC2	4.526	0.492	1.407	8.09E-06	0.000127297
ENSG00000176845	METRNL	5.640	0.723	1.651	8.10E-06	0.000127297
ENSG00000260563		3.009	-0.734	0.601	8.31E-06	0.000130392
ENSG00000006007	GDE1	4.751	0.367	1.289	8.34E-06	0.000130666
ENSG00000169169	CPT1C	4.022	0.433	1.350	8.35E-06	0.000130711
ENSG00000050165	DKK3	8.188	0.935	1.911	8.38E-06	0.000130955
ENSG00000101665	SMAD7	5.000	0.395	1.314	8.51E-06	0.00013271
ENSG00000177370	TIMM22	4.050	0.337	1.263	8.53E-06	0.000132866
ENSG00000137103	TMEM8B	4.746	-0.400	0.758	8.55E-06	0.000132996

ENSG00000178209	PLEC	8.808	0.424	1.341	8.56E-06	0.00013302
ENSG00000179981	TSHZ1	4.620	-0.495	0.710	8.78E-06	0.000136161
ENSG00000178222	RNF212	3.169	-0.381	0.768	8.93E-06	0.000138242
ENSG00000150687	PRSS23	6.790	0.842	1.793	9.03E-06	0.000139562
ENSG00000153721	CNKS3	3.382	-0.789	0.579	9.04E-06	0.000139562
ENSG00000090520	DNAJB11	6.124	0.423	1.341	9.06E-06	0.000139698
ENSG00000124831	LRRFIP1	6.941	0.453	1.369	9.24E-06	0.000142302
ENSG00000070159	PTPN3	4.214	0.377	1.299	9.29E-06	0.000142748
ENSG00000155755	TMEM237	5.825	-0.365	0.777	9.30E-06	0.000142748
ENSG00000172935	MRGPRF	5.017	0.525	1.439	9.41E-06	0.000144212
ENSG00000182093	WRB	4.682	-0.310	0.807	9.61E-06	0.000147119
ENSG00000134363	FST	2.974	-1.189	0.439	9.67E-06	0.000147821
ENSG00000150867	PIP4K2A	4.707	-0.342	0.789	9.74E-06	0.000148594
ENSG00000183762	KREMEN1	6.007	0.620	1.537	9.79E-06	0.000148899
ENSG00000025708	TYMP	5.161	1.030	2.042	9.80E-06	0.000148899
ENSG00000166963	MAP1A	5.419	0.821	1.767	9.80E-06	0.000148899
ENSG00000159842	ABR	6.745	0.363	1.286	9.83E-06	0.000149089
ENSG00000176834	VSIG10	3.845	-0.407	0.754	9.89E-06	0.000149821
ENSG00000141337	ARSG	3.348	-0.455	0.730	1.00E-05	0.000151293
ENSG00000139597	N4BP2L1	3.371	-0.474	0.720	1.00E-05	0.000151293
ENSG00000178567	EPM2AIP1	5.314	-0.413	0.751	1.02E-05	0.000153865
ENSG00000144331	ZNF385B	4.900	-0.596	0.661	1.03E-05	0.000154806
ENSG00000105880	DLX5	5.489	-0.609	0.656	1.04E-05	0.000156765
ENSG00000084444	FAM234B	3.231	-0.617	0.652	1.05E-05	0.000157107
ENSG00000108479	GALK1	4.464	0.649	1.568	1.05E-05	0.000157883
ENSG00000180626	ZNF594	2.950	-0.551	0.683	1.05E-05	0.000157883
ENSG00000069702	TGFBR3	6.952	-0.482	0.716	1.08E-05	0.00016083
ENSG00000026950	BTN3A1	3.554	-0.717	0.609	1.08E-05	0.00016083
ENSG00000109184	DCUN1D4	5.000	-0.338	0.791	1.10E-05	0.000163347
ENSG00000187583	PLEKHN1	2.684	0.423	1.340	1.10E-05	0.00016365
ENSG00000089335	ZNF302	5.175	-0.374	0.772	1.11E-05	0.000165049
ENSG00000235194	PPP1R3E	3.419	-0.494	0.710	1.12E-05	0.000166428
ENSG00000081818	PCDHB4	3.926	-0.578	0.670	1.12E-05	0.000166428
ENSG00000138495	COX17	4.555	0.588	1.503	1.14E-05	0.000168452
ENSG00000227036	LINC00511	3.807	0.570	1.484	1.14E-05	0.000169006
ENSG00000253676	TAGLN2P1	3.658	0.739	1.669	1.15E-05	0.000170141
ENSG00000164116	GUCY1A3	2.557	-1.476	0.360	1.16E-05	0.000170322
ENSG00000090339	ICAM1	5.162	-0.604	0.658	1.16E-05	0.000170493
ENSG00000110400	NECTIN1	2.962	0.540	1.454	1.18E-05	0.000173136
ENSG00000117616	RSRP1	5.789	-0.352	0.784	1.19E-05	0.000175083
ENSG00000197928	ZNF677	3.149	-0.427	0.744	1.20E-05	0.000176305
ENSG00000197956	S100A6	10.034	0.824	1.770	1.22E-05	0.000178582
ENSG00000150967	ABCB9	2.652	-0.469	0.722	1.23E-05	0.000179648
ENSG00000153823	PID1	7.252	0.597	1.513	1.24E-05	0.000180675
ENSG00000204520	MICA	4.749	0.371	1.294	1.24E-05	0.000180675
ENSG00000166923	GREM1	8.329	-1.717	0.304	1.24E-05	0.000180675
ENSG00000196154	S100A4	9.239	1.205	2.305	1.25E-05	0.000181197
ENSG00000162623	TYW3	4.826	-0.291	0.817	1.25E-05	0.000181542
ENSG00000133111	RFXAP	2.716	-0.325	0.798	1.25E-05	0.000181858
ENSG00000125170	DOK4	4.977	0.312	1.242	1.29E-05	0.000186628
ENSG00000138434	SSFA2	6.092	-0.615	0.653	1.30E-05	0.000187374
ENSG00000158156	XKR8	3.982	0.362	1.285	1.33E-05	0.000191503

ENSG00000189060	H1FO	7.458	0.437	1.353	1.33E-05	0.000191511
ENSG00000100077	GRK3	3.085	-0.509	0.703	1.34E-05	0.000193148
ENSG00000058262	SEC61A1	8.205	0.269	1.205	1.34E-05	0.000193148
ENSG00000163565	IFI16	5.622	-0.318	0.802	1.35E-05	0.000193567
ENSG00000100528	CNIH1	6.313	0.354	1.278	1.38E-05	0.000197993
ENSG00000106688	SLC1A1	4.935	0.442	1.358	1.38E-05	0.000197993
ENSG00000198105	ZNF248	4.096	-0.323	0.799	1.38E-05	0.000198058
ENSG00000106799	TGFBR1	7.193	0.545	1.459	1.44E-05	0.000206259
ENSG00000135148	TRAFD1	4.979	0.261	1.198	1.46E-05	0.000208189
ENSG00000272734	ADIRF-AS1	3.269	-0.544	0.686	1.50E-05	0.000213345
ENSG00000178882	RFLNA	3.691	-0.921	0.528	1.53E-05	0.000217052
ENSG00000205710	C17orf107	2.852	-0.627	0.647	1.53E-05	0.000217908
ENSG00000237943	PRKCQ-AS1	2.954	-0.387	0.765	1.55E-05	0.000218985
ENSG00000072042	RDH11	5.776	0.336	1.262	1.55E-05	0.000218985
ENSG00000164484	TMEM200A	2.748	1.100	2.143	1.55E-05	0.000218985
ENSG00000110719	TCIRG1	5.768	0.449	1.365	1.58E-05	0.000222785
ENSG00000105771	SMG9	4.610	0.438	1.354	1.58E-05	0.000223285
ENSG00000180900	SCRIB	4.516	0.319	1.248	1.59E-05	0.000223285
ENSG00000135048	TMEM2	6.070	-0.611	0.655	1.59E-05	0.000223285
ENSG00000054598	FOXC1	7.670	-0.389	0.764	1.60E-05	0.000224823
ENSG00000154358	OBSCN	5.313	-0.609	0.656	1.60E-05	0.000224874
ENSG00000099785	MARCH2	3.596	0.661	1.581	1.61E-05	0.000226168
ENSG00000117114	ADGRL2	3.527	-0.817	0.568	1.62E-05	0.00022618
ENSG00000085377	PREP	4.133	0.278	1.212	1.62E-05	0.00022628
ENSG00000179406	LINC00174	2.906	-0.557	0.680	1.64E-05	0.000228352
ENSG00000182054	IDH2	4.891	0.399	1.319	1.64E-05	0.000229205
ENSG00000126785	RHOJ	5.494	-0.370	0.774	1.65E-05	0.000230192
ENSG00000064601	CTSA	6.496	0.435	1.352	1.67E-05	0.000232271
ENSG00000170891	CYTL1	10.760	-0.748	0.595	1.69E-05	0.000234314
ENSG00000109445	ZNF330	4.313	-0.266	0.832	1.71E-05	0.000237214
ENSG00000141526	SLC16A3	6.908	0.504	1.418	1.72E-05	0.000238802
ENSG00000148175	STOM	6.446	-0.363	0.778	1.75E-05	0.00024147
ENSG00000067141	NEO1	5.774	-0.521	0.697	1.75E-05	0.00024147
ENSG00000076351	SLC46A1	3.243	-0.347	0.786	1.75E-05	0.000241754
ENSG00000173917	HOXB2	2.961	1.399	2.637	1.76E-05	0.000242068
ENSG00000155265	GOLGA7B	3.335	0.964	1.951	1.78E-05	0.000244849
ENSG00000071991	CDH19	4.166	0.853	1.806	1.78E-05	0.000244895
ENSG00000127990	SGCE	4.516	-0.476	0.719	1.80E-05	0.00024706
ENSG00000103528	SYT17	2.742	0.344	1.269	1.84E-05	0.000252723
ENSG00000157557	ETS2	6.119	-0.457	0.728	1.85E-05	0.00025344
ENSG00000100266	PACSIN2	6.932	0.311	1.241	1.88E-05	0.000257405
ENSG00000116685	KIAA2013	5.695	0.384	1.305	1.92E-05	0.000262582
ENSG00000163743	RCHY1	3.668	-0.395	0.760	1.94E-05	0.000263808
ENSG00000108091	CCDC6	5.865	0.328	1.256	1.95E-05	0.000265497
ENSG00000186153	WVOX	3.529	-0.399	0.758	1.96E-05	0.000266404
ENSG00000010256	UQCRC1	6.152	0.481	1.395	1.96E-05	0.000266486
ENSG00000089006	SNX5	6.173	-0.250	0.841	1.98E-05	0.000268491
ENSG00000166816	LDHD	3.069	-0.601	0.659	1.98E-05	0.000268491
ENSG00000135525	MAP7	2.698	0.511	1.425	1.99E-05	0.000268776
ENSG00000196268	ZNF493	3.391	-0.577	0.670	2.03E-05	0.000273747
ENSG00000173846	PLK3	4.209	0.587	1.502	2.04E-05	0.000275155
ENSG00000162777	DENND2D	3.572	-0.450	0.732	2.05E-05	0.000276463

ENSG00000184900	SUMO3	6.180	0.243	1.184	2.06E-05	0.000277109
ENSG00000111799	COL12A1	9.429	-0.820	0.566	2.06E-05	0.000277109
ENSG00000182326	C1S	9.473	-0.536	0.690	2.07E-05	0.000277259
ENSG00000152284	TCF7L1	3.186	-0.525	0.695	2.08E-05	0.000277802
ENSG00000113273	ARSB	4.093	0.471	1.386	2.08E-05	0.000277802
ENSG00000104635	SLC39A14	9.636	0.601	1.516	2.08E-05	0.000277802
ENSG00000105953	OGDH	6.062	0.260	1.197	2.09E-05	0.00027918
ENSG00000185267	CDNF	2.632	-0.479	0.717	2.10E-05	0.000279499
ENSG00000186470	BTN3A2	3.549	-0.550	0.683	2.10E-05	0.000279988
ENSG00000167766	ZNF83	5.977	-0.399	0.758	2.11E-05	0.00028101
ENSG00000142583	SLC2A5	4.652	1.129	2.187	2.13E-05	0.000282345
ENSG00000258297		2.751	-0.439	0.738	2.13E-05	0.000282872
ENSG00000112414	ADGRG6	7.118	-0.831	0.562	2.16E-05	0.00028613
ENSG00000166402	TUB	4.650	-0.676	0.626	2.18E-05	0.000287664
ENSG00000108848	LUC7L3	7.085	-0.360	0.779	2.18E-05	0.000287664
ENSG00000137563	GGH	3.460	0.442	1.359	2.18E-05	0.000287664
ENSG00000272761		7.305	0.509	1.423	2.19E-05	0.000289015
ENSG00000143061	IGSF3	5.050	0.670	1.591	2.22E-05	0.000291798
ENSG00000198270	TMEM116	3.229	-0.406	0.755	2.24E-05	0.000294198
ENSG00000146833	TRIM4	5.373	-0.314	0.804	2.25E-05	0.000295485
ENSG00000182224	CYB5D1	4.230	-0.359	0.780	2.26E-05	0.000296353
ENSG00000173706	HEG1	4.772	0.790	1.729	2.26E-05	0.000296398
ENSG00000166165	CKB	5.695	1.037	2.052	2.27E-05	0.000296819
ENSG00000250722	SELENOP	3.370	-0.569	0.674	2.28E-05	0.000297494
ENSG00000134824	FADS2	5.951	0.458	1.374	2.29E-05	0.00029951
ENSG00000105738	SIPA1L3	3.843	0.510	1.424	2.30E-05	0.000300241
ENSG00000077092	RARB	4.646	0.739	1.669	2.31E-05	0.000300241
ENSG00000106636	YKT6	6.427	0.295	1.227	2.33E-05	0.000302762
ENSG00000134954	ETS1	6.805	-0.536	0.690	2.33E-05	0.000302814
ENSG00000163884	KLF15	4.223	-0.621	0.650	2.35E-05	0.000304664
ENSG00000157680	DGKI	2.895	1.064	2.090	2.36E-05	0.000305869
ENSG00000066248	NGEF	7.604	0.415	1.333	2.41E-05	0.000312197
ENSG00000107738	VSIR	6.529	0.379	1.300	2.42E-05	0.000312533
ENSG00000085733	CTTN	7.877	0.225	1.169	2.43E-05	0.000313083
ENSG00000181026	AEN	3.520	0.442	1.358	2.43E-05	0.000313816
ENSG00000145349	CAMK2D	5.151	-0.368	0.775	2.46E-05	0.00031621
ENSG00000125868	DSTN	8.898	0.336	1.262	2.47E-05	0.000317272
ENSG00000163659	TIPARP	6.425	-0.681	0.624	2.50E-05	0.000321024
ENSG00000011523	CEP68	3.940	-0.378	0.769	2.50E-05	0.000321024
ENSG00000100439	ABHD4	4.222	-0.311	0.806	2.51E-05	0.000321955
ENSG00000214706	IFRD2	4.441	0.338	1.264	2.52E-05	0.000322071
ENSG00000156398	SFXN2	2.714	-0.486	0.714	2.52E-05	0.000322551
ENSG00000138095	LRPPRC	5.865	-0.281	0.823	2.60E-05	0.000331688
ENSG00000182220	ATP6AP2	6.995	0.331	1.258	2.61E-05	0.000333095
ENSG00000185634	SHC4	4.822	0.879	1.840	2.64E-05	0.000335845
ENSG00000123130	ACOT9	4.833	0.268	1.204	2.64E-05	0.000335845
ENSG00000114423	CBLB	4.779	0.403	1.322	2.67E-05	0.000339109
ENSG00000104763	ASAH1	6.361	-0.257	0.837	2.68E-05	0.000340102
ENSG00000136048	DRAM1	3.385	-0.349	0.785	2.69E-05	0.00034111
ENSG00000136830	FAM129B	8.338	0.312	1.241	2.69E-05	0.00034111
ENSG00000054983	GALC	4.035	-0.302	0.811	2.72E-05	0.000343689
ENSG00000109158	GABRA4	4.750	-0.580	0.669	2.74E-05	0.0003463

ENSG00000251022	THAP9-AS1	5.017	-0.270	0.829	2.75E-05	0.000347163
ENSG00000100105	PATZ1	4.409	-0.301	0.812	2.76E-05	0.000347181
ENSG00000198908	BHLHB9	2.702	-0.476	0.719	2.78E-05	0.000349661
ENSG00000213694	S1PR3	3.690	0.864	1.820	2.78E-05	0.000349685
ENSG00000158604	TMED4	6.631	-0.255	0.838	2.80E-05	0.000351394
ENSG00000183718	TRIM52	3.171	-0.418	0.748	2.81E-05	0.000351843
ENSG00000137331	IER3	6.231	0.782	1.720	2.83E-05	0.000354764
ENSG00000147274	RBMX	6.946	-0.266	0.831	2.84E-05	0.000355178
ENSG00000236287	ZBED5	5.784	-0.285	0.820	2.85E-05	0.000355178
ENSG00000180891	CUEDC1	4.394	0.554	1.468	2.85E-05	0.000355178
ENSG00000163539	CLASP2	5.323	-0.517	0.699	2.87E-05	0.000357868
ENSG00000260549	MT1L	3.934	0.773	1.708	2.90E-05	0.000361045
ENSG00000109654	TRIM2	4.300	-0.484	0.715	2.91E-05	0.000361045
ENSG00000145431	PDGFC	5.822	0.571	1.486	2.91E-05	0.000361045
ENSG00000112294	ALDH5A1	2.665	-0.574	0.672	2.91E-05	0.000361045
ENSG00000160307	S100B	7.714	-0.463	0.725	2.94E-05	0.000364031
ENSG00000197467	COL13A1	3.781	0.702	1.627	2.94E-05	0.000364339
ENSG00000154642	C21orf91	2.636	-0.484	0.715	2.95E-05	0.000364792
ENSG00000149218	ENDOD1	5.488	0.333	1.260	2.96E-05	0.000364792
ENSG00000198648	STK39	4.640	-0.431	0.742	2.96E-05	0.000365304
ENSG00000133789	SWAP70	5.966	-0.400	0.758	2.98E-05	0.000366805
ENSG00000117280	RAB29	4.674	0.412	1.330	2.98E-05	0.000366805
ENSG00000134243	SORT1	6.160	0.542	1.456	2.99E-05	0.000367929
ENSG00000105854	PON2	4.516	0.393	1.313	3.03E-05	0.000371442
ENSG00000170837	GPR27	2.798	-0.593	0.663	3.03E-05	0.000371442
ENSG00000123095	BHLHE41	7.048	-0.431	0.742	3.03E-05	0.000371442
ENSG00000095637	SORBS1	4.813	-0.719	0.607	3.04E-05	0.000371442
ENSG00000171631	P2RY6	4.062	0.631	1.549	3.04E-05	0.000371442
ENSG00000189241	TSPYL1	5.876	-0.278	0.825	3.04E-05	0.000371442
ENSG00000135336	ORC3	4.331	-0.276	0.826	3.06E-05	0.000372971
ENSG00000157259	GATAD1	5.812	-0.414	0.750	3.07E-05	0.000373287
ENSG00000121898	CPXM2	6.299	-0.481	0.716	3.07E-05	0.000373287
ENSG00000100577	GSTZ1	3.881	0.507	1.421	3.08E-05	0.000373755
ENSG00000148248	SURF4	7.989	0.254	1.192	3.09E-05	0.000374894
ENSG00000196586	MYO6	4.925	0.413	1.331	3.23E-05	0.000391874
ENSG00000198060	MARCH5	4.915	-0.268	0.831	3.27E-05	0.000395202
ENSG00000004660	CAMKK1	5.888	0.496	1.410	3.27E-05	0.000395202
ENSG00000132436	FIGNL1	2.862	-0.490	0.712	3.30E-05	0.000398453
ENSG00000165633	VSTM4	6.219	0.452	1.368	3.30E-05	0.000398453
ENSG00000162302	RPS6KA4	3.941	0.433	1.350	3.32E-05	0.000399415
ENSG00000156735	BAG4	3.884	-0.271	0.829	3.33E-05	0.000401251
ENSG00000129250	KIF1C	5.787	0.361	1.284	3.35E-05	0.000402476
ENSG00000120693	SMAD9	4.474	-0.548	0.684	3.36E-05	0.000403089
ENSG00000104660	LEPROTL1	4.100	0.332	1.259	3.36E-05	0.000403279
ENSG00000146386	ABRACL	3.447	0.665	1.585	3.38E-05	0.000404939
ENSG00000245532	NEAT1	9.721	-0.489	0.713	3.42E-05	0.000409434
ENSG00000158966	CACHD1	5.310	0.769	1.705	3.43E-05	0.000409833
ENSG00000184164	CRELD2	5.427	0.401	1.320	3.45E-05	0.000412157
ENSG00000134285	FKBP11	4.253	0.318	1.247	3.47E-05	0.000413826
ENSG00000137496	IL18BP	3.038	-0.658	0.634	3.48E-05	0.000414476
ENSG00000171792	RHNO1	3.430	-0.260	0.835	3.53E-05	0.000419877
ENSG00000103005	USB1	4.002	0.273	1.208	3.54E-05	0.000420528

ENSG00000173457	PPP1R14B	4.377	0.697	1.621	3.56E-05	0.000422721
ENSG00000175395	ZNF25	4.888	-0.270	0.830	3.62E-05	0.000429
ENSG00000136261	BZW2	3.782	0.423	1.340	3.68E-05	0.000435242
ENSG00000078814	MYH7B	3.531	-0.564	0.676	3.71E-05	0.000439284
ENSG00000167232	ZNF91	3.386	-0.503	0.706	3.77E-05	0.000444713
ENSG00000141753	IGFBP4	8.252	1.332	2.517	3.77E-05	0.000444713
ENSG00000133114	GPALPP1	4.045	-0.281	0.823	3.77E-05	0.000444722
ENSG00000182809	CRIP2	7.729	0.534	1.448	3.78E-05	0.000445601
ENSG00000152990	ADGRA3	5.887	-0.339	0.791	3.81E-05	0.000447523
ENSG00000079102	RUNX1T1	3.393	-0.561	0.678	3.81E-05	0.000447523
ENSG00000164342	TLR3	2.979	-0.582	0.668	3.81E-05	0.000447523
ENSG00000228510		3.641	-0.510	0.702	3.86E-05	0.00045202
ENSG00000164022	AIMP1	5.384	-0.245	0.844	3.86E-05	0.00045202
ENSG00000141510	TP53	4.283	-0.330	0.795	3.88E-05	0.000453082
ENSG00000081760	AACS	5.412	0.257	1.195	3.88E-05	0.000453082
ENSG00000123892	RAB38	3.446	0.746	1.678	3.93E-05	0.000458152
ENSG00000140044	JDP2	5.774	0.308	1.238	3.93E-05	0.000458152
ENSG00000114698	PLSCR4	5.250	-0.600	0.660	3.93E-05	0.000458152
ENSG00000067445	TRO	5.363	-0.359	0.780	3.95E-05	0.000459389
ENSG00000166704	ZNF606	2.816	-0.374	0.772	3.95E-05	0.000459389
ENSG00000186350	RXRA	6.541	-0.336	0.792	4.00E-05	0.000464393
ENSG00000111666	CHPT1	4.894	-0.286	0.820	4.03E-05	0.000467426
ENSG00000100258	LMF2	6.422	0.343	1.269	4.06E-05	0.000469654
ENSG00000171016	PYGO1	3.631	-0.447	0.733	4.07E-05	0.000470657
ENSG00000173041	ZNF680	3.667	-0.475	0.719	4.08E-05	0.000470795
ENSG00000141219	C17orf80	3.482	-0.415	0.750	4.08E-05	0.000470795
ENSG00000100997	ABHD12	5.468	0.407	1.326	4.10E-05	0.000472671
ENSG00000196666	FAM180B	3.396	-0.986	0.505	4.10E-05	0.000472671
ENSG00000132000	PODNL1	6.969	0.357	1.281	4.13E-05	0.000474815
ENSG00000135269	TES	5.267	0.511	1.425	4.15E-05	0.000476556
ENSG00000100239	PPP6R2	5.289	0.293	1.225	4.22E-05	0.000484908
ENSG00000135622	SEMA4F	3.314	0.370	1.292	4.28E-05	0.000490206
ENSG00000101096	NFATC2	6.853	0.799	1.740	4.29E-05	0.000490998
ENSG00000177169	ULK1	5.196	0.282	1.216	4.29E-05	0.000490998
ENSG00000108312	UBTF	6.211	0.291	1.223	4.31E-05	0.000492436
ENSG00000114354	TFG	6.677	0.220	1.165	4.32E-05	0.000493165
ENSG00000099250	NRP1	5.536	-0.493	0.711	4.35E-05	0.000495891
ENSG00000101577	LPIN2	5.184	-0.309	0.807	4.35E-05	0.000495891
ENSG00000100307	CBX7	6.640	-0.296	0.815	4.39E-05	0.000499619
ENSG00000147894	C9orf72	3.332	-0.398	0.759	4.41E-05	0.000501434
ENSG00000164172	MOCS2	4.535	-0.240	0.847	4.43E-05	0.000502756
ENSG00000173611	SCAI	2.932	-0.414	0.750	4.47E-05	0.000506479
ENSG00000076258	FMO4	2.793	-0.380	0.768	4.49E-05	0.000509166
ENSG00000172901	LVRN	5.829	-0.697	0.617	4.50E-05	0.000509301
ENSG00000168301	KCTD6	2.606	-0.365	0.776	4.55E-05	0.000514219
ENSG00000007944	MYLIP	4.439	-0.383	0.767	4.62E-05	0.000521977
ENSG00000150995	ITPR1	4.289	0.691	1.615	4.63E-05	0.000521977
ENSG00000104774	MAN2B1	5.284	0.445	1.361	4.63E-05	0.000522251
ENSG00000051128	HOMER3	3.050	0.499	1.413	4.68E-05	0.000526481
ENSG00000150625	GPM6A	2.569	-1.101	0.466	4.73E-05	0.000531184
ENSG00000012171	SEMA3B	5.858	0.354	1.278	4.73E-05	0.000531184
ENSG00000112983	BRD8	5.609	-0.340	0.790	4.73E-05	0.000531241

ENSG00000132376	INPP5K	4.995	0.264	1.201	4.79E-05	0.000537132
ENSG00000128000	ZNF780B	3.541	-0.541	0.687	4.83E-05	0.000540931
ENSG00000065717	TLE2	3.930	-0.737	0.600	4.88E-05	0.000546223
ENSG00000154864	PIEZO2	5.540	-1.152	0.450	4.89E-05	0.000546529
ENSG00000196739	COL27A1	8.824	-0.491	0.712	4.92E-05	0.000549396
ENSG00000154127	UBASH3B	5.055	0.625	1.542	4.99E-05	0.000556666
ENSG00000142634	EFHD2	4.301	0.846	1.798	5.01E-05	0.000557752
ENSG00000130985	UBA1	7.644	0.224	1.168	5.02E-05	0.000558417
ENSG00000164077	MON1A	2.741	0.491	1.405	5.03E-05	0.000559244
ENSG00000160588	MPZL3	3.053	0.554	1.468	5.29E-05	0.000586931
ENSG00000177432	NAP1L5	3.096	-0.379	0.769	5.30E-05	0.000587697
ENSG00000133393	FOPNL	4.583	-0.246	0.843	5.33E-05	0.000589861
ENSG00000077684	JADE1	5.133	-0.305	0.809	5.33E-05	0.000589861
ENSG00000120885	CLU	15.313	0.471	1.386	5.35E-05	0.000591152
ENSG00000164626	KCNK5	5.788	-0.642	0.641	5.37E-05	0.00059281
ENSG00000101017	CD40	3.506	-0.678	0.625	5.39E-05	0.000594387
ENSG00000034693	PEX3	3.269	-0.389	0.764	5.40E-05	0.000594646
ENSG00000174938	SEZ6L2	2.890	1.131	2.191	5.46E-05	0.000600817
ENSG00000180447	GAS1	8.184	0.557	1.471	5.53E-05	0.00060723
ENSG00000180155	LYNX1	6.466	0.244	1.184	5.53E-05	0.00060723
ENSG00000032444	PNPLA6	5.244	0.326	1.254	5.53E-05	0.00060723
ENSG00000198039	ZNF273	3.623	-0.429	0.743	5.63E-05	0.000617634
ENSG00000138162	TACC2	5.662	0.356	1.280	5.69E-05	0.000622281
ENSG00000170876	TMEM43	7.414	0.283	1.217	5.69E-05	0.000622281
ENSG00000073050	XRCC1	4.612	0.333	1.259	5.71E-05	0.000623413
ENSG00000179104	TMTC2	3.409	-0.797	0.575	5.81E-05	0.000634321
ENSG00000136861	CDK5RAP2	5.409	-0.272	0.828	5.82E-05	0.000634321
ENSG00000204623	ZNRD1ASP	3.304	-0.696	0.617	5.84E-05	0.000636249
ENSG00000123146	ADGRE5	5.187	0.549	1.463	5.86E-05	0.000638047
ENSG00000105974	CAV1	7.548	0.331	1.258	5.93E-05	0.000644887
ENSG00000073711	PPP2R3A	3.836	0.478	1.393	5.95E-05	0.000645996
ENSG00000159596	TMEM69	3.650	-0.312	0.806	5.96E-05	0.000646348
ENSG00000106538	RARRES2	4.526	-1.403	0.378	5.98E-05	0.000647729
ENSG00000111077	TNS2	7.448	-0.366	0.776	6.04E-05	0.000654344
ENSG00000185033	SEMA4B	4.937	0.352	1.276	6.06E-05	0.000655379
ENSG00000181938	GINS3	3.704	0.459	1.375	6.11E-05	0.000659653
ENSG00000226752	PSMD5-AS1	3.945	-0.380	0.769	6.13E-05	0.000661144
ENSG00000087903	RFX2	3.482	0.609	1.525	6.15E-05	0.000662487
ENSG00000146476	ARMT1	3.824	-0.333	0.794	6.17E-05	0.000663866
ENSG00000164776	PHKG1	3.091	-0.665	0.631	6.17E-05	0.000663866
ENSG00000164574	GALNT10	7.170	-0.353	0.783	6.20E-05	0.000665849
ENSG00000137504	CREBZF	5.696	-0.458	0.728	6.25E-05	0.000671389
ENSG00000049130	KITLG	5.210	-0.780	0.582	6.26E-05	0.000671389
ENSG00000163110	PDLIM5	7.200	-0.415	0.750	6.29E-05	0.000673489
ENSG00000197879	MYO1C	7.040	0.253	1.192	6.30E-05	0.000673489
ENSG00000125503	PPP1R12C	5.662	0.372	1.294	6.30E-05	0.000673489
ENSG00000154258	ABCA9	2.609	-0.951	0.517	6.32E-05	0.000675145
ENSG00000168016	TRANK1	4.355	-0.591	0.664	6.33E-05	0.000675145
ENSG00000172795	DCP2	4.724	-0.302	0.811	6.34E-05	0.000675145
ENSG00000068878	PSME4	6.253	-0.408	0.754	6.34E-05	0.000675145
ENSG00000154265	ABCA5	6.883	-0.566	0.675	6.48E-05	0.000688927
ENSG00000183621	ZNF438	3.742	0.282	1.216	6.56E-05	0.000697024

ENSG00000113583	C5orf15	7.273	-0.279	0.824	6.59E-05	0.000699665
ENSG00000140386	SCAPER	3.798	-0.364	0.777	6.61E-05	0.000700979
ENSG00000111424	VDR	3.676	-0.483	0.715	6.69E-05	0.000708492
ENSG00000104549	SQLE	4.962	0.424	1.342	6.69E-05	0.000708492
ENSG00000144366	GULP1	5.442	-0.434	0.740	6.70E-05	0.000708623
ENSG00000161249	DMKN	4.886	-0.436	0.739	6.72E-05	0.000709954
ENSG00000006042	TMEM98	6.236	-0.244	0.844	6.73E-05	0.000709972
ENSG00000142327	RNPEPL1	4.671	0.477	1.392	6.74E-05	0.000710041
ENSG00000133641	C12orf29	3.841	-0.247	0.842	6.77E-05	0.000713152
ENSG00000183513	COA5	4.474	-0.256	0.837	6.79E-05	0.000714535
ENSG00000113240	CLK4	4.881	-0.378	0.769	6.95E-05	0.000730347
ENSG00000162627	SNX7	4.574	0.606	1.522	7.06E-05	0.000740338
ENSG00000125965	GDF5	4.506	0.564	1.479	7.06E-05	0.000740338
ENSG00000184500	PROS1	6.582	-0.256	0.837	7.07E-05	0.000740833
ENSG00000163510	CWC22	4.704	-0.287	0.820	7.10E-05	0.000743006
ENSG00000110619	CARS	5.189	0.328	1.255	7.10E-05	0.000743006
ENSG00000019549	SNAI2	6.943	-0.436	0.739	7.12E-05	0.000744202
ENSG00000106031	HOXA13	3.780	-0.520	0.697	7.15E-05	0.000746555
ENSG00000138061	CYP1B1	6.102	-0.699	0.616	7.16E-05	0.000746951
ENSG00000135678	CPM	2.644	-0.800	0.574	7.20E-05	0.000749649
ENSG00000109586	GALNT7	4.380	0.551	1.465	7.20E-05	0.000749649
ENSG00000069849	ATP1B3	5.833	0.341	1.266	7.23E-05	0.000751656
ENSG00000108423	TUBD1	3.491	-0.341	0.790	7.28E-05	0.000755663
ENSG00000158555	GDPD5	4.160	0.599	1.514	7.38E-05	0.000765399
ENSG00000123268	ATF1	4.389	-0.324	0.799	7.49E-05	0.000775455
ENSG00000171812	COL8A2	7.612	0.475	1.390	7.49E-05	0.000775455
ENSG00000148154	UGCG	4.845	-0.364	0.777	7.61E-05	0.000787654
ENSG00000100473	COCH	2.923	1.603	3.038	7.63E-05	0.000787986
ENSG00000124222	STX16	6.024	-0.273	0.828	7.72E-05	0.000796687
ENSG00000184682		4.254	-0.593	0.663	7.76E-05	0.000799376
ENSG00000178202	KDELC2	6.908	-0.322	0.800	7.76E-05	0.000799376
ENSG00000188483	IER5L	3.301	0.587	1.502	7.78E-05	0.000800517
ENSG00000111684	LPCAT3	3.437	-0.450	0.732	7.82E-05	0.000804269
ENSG00000117519	CNN3	7.394	-0.299	0.813	7.91E-05	0.000812431
ENSG00000248905	FMN1	4.173	-0.644	0.640	8.02E-05	0.000822747
ENSG00000171552	BCL2L1	4.889	0.396	1.316	8.03E-05	0.000822927
ENSG00000118971	CCND2	6.383	0.303	1.234	8.04E-05	0.000823824
ENSG00000173153	ESRRA	3.422	0.412	1.331	8.09E-05	0.000827687
ENSG00000152582	SPEF2	3.638	-0.533	0.691	8.10E-05	0.000827687
ENSG00000105404	RABAC1	7.297	0.538	1.452	8.13E-05	0.000830645
ENSG00000132912	DCTN4	5.347	-0.255	0.838	8.22E-05	0.000838683
ENSG00000136986	DERL1	5.954	0.242	1.182	8.26E-05	0.000841356
ENSG00000168646	AXIN2	4.016	0.590	1.506	8.26E-05	0.000841356
ENSG00000206190	ATP10A	5.780	0.351	1.275	8.30E-05	0.000844348
ENSG00000107959	PITRM1	6.264	0.245	1.185	8.32E-05	0.000845841
ENSG00000170540	ARL6IP1	5.034	-0.311	0.806	8.39E-05	0.000852004
ENSG00000108106	UBE2S	2.871	0.697	1.621	8.43E-05	0.000855015
ENSG00000052795	FNIP2	6.225	0.786	1.724	8.45E-05	0.000856127
ENSG00000114999	TTL	4.573	0.370	1.292	8.49E-05	0.000859147
ENSG00000115307	AUP1	6.245	0.423	1.341	8.66E-05	0.000875845
ENSG00000267100	ILF3-AS1	5.026	-0.540	0.688	8.73E-05	0.000882228
ENSG00000136002	ARHGEF4	3.271	-0.524	0.695	8.78E-05	0.000886725

ENSG00000088367	EPB41L1	5.551	-0.393	0.762	8.83E-05	0.000890455
ENSG00000147576	ADHFE1	3.100	-0.575	0.672	8.86E-05	0.000892566
ENSG00000090971	NAT14	3.189	0.678	1.600	8.91E-05	0.000896626
ENSG00000049239	H6PD	6.789	-0.293	0.816	9.02E-05	0.00090752
ENSG00000114867	EIF4G1	7.348	0.299	1.230	9.09E-05	0.000912765
ENSG00000139651	ZNF740	4.692	-0.325	0.798	9.10E-05	0.000912765
ENSG00000188321	ZNF559	3.787	-0.304	0.810	9.10E-05	0.000912765
ENSG00000178026	LRRC75B	3.177	0.457	1.373	9.13E-05	0.000914915
ENSG00000176533	GNG7	3.541	0.433	1.350	9.15E-05	0.000915989
ENSG00000166262	FAM227B	2.888	-0.415	0.750	9.26E-05	0.000925776
ENSG00000256043	CTSO	5.728	-0.279	0.824	9.30E-05	0.000928874
ENSG00000151332	MBIP	4.509	-0.282	0.822	9.31E-05	0.000928874
ENSG00000163453	IGFBP7	7.388	0.842	1.792	9.33E-05	0.000929731
ENSG00000095209	TMEM38B	3.066	-0.407	0.754	9.33E-05	0.000929731
ENSG00000164751	PEX2	4.811	-0.220	0.858	9.36E-05	0.000931342
ENSG00000136536	MARCH7	5.662	-0.273	0.828	9.39E-05	0.000932885
ENSG00000229644	NAMPTP1	3.953	-0.811	0.570	9.39E-05	0.000932885
ENSG00000157613	CREB3L1	3.902	0.711	1.637	9.44E-05	0.000936678
ENSG00000176485	PLA2G16	4.147	-0.677	0.626	9.49E-05	0.000940754
ENSG00000070018	LRP6	6.081	-0.581	0.668	9.61E-05	0.000951837
ENSG00000156140	ADAMTS3	2.804	-0.527	0.694	9.68E-05	0.000958024
ENSG00000092964	DPYSL2	6.744	0.350	1.274	9.76E-05	0.000964594
ENSG00000096696	DSP	5.727	0.745	1.676	9.78E-05	0.000965352
ENSG00000138750	NUP54	4.740	-0.203	0.869	9.80E-05	0.000967275
ENSG00000115808	STRN	4.745	-0.536	0.689	9.81E-05	0.000967275
ENSG00000140391	TSPAN3	7.563	-0.252	0.840	9.84E-05	0.000969404
ENSG00000164631	ZNF12	4.327	-0.323	0.800	9.89E-05	0.000972988
ENSG00000197894	ADH5	5.603	-0.242	0.845	9.91E-05	0.000973911
ENSG00000116514	RNF19B	5.579	0.487	1.402	0.000100625	0.000988127
ENSG00000128228	SDF2L1	3.704	0.690	1.613	0.000101444	0.000995232
ENSG00000116574	RHOA	5.629	-0.396	0.760	0.000102044	0.000999429
ENSG00000140455	USP3	3.375	0.294	1.226	0.000102062	0.000999429
ENSG00000196247	ZNF107	3.382	-0.615	0.653	0.000102598	0.001003735
ENSG00000112175	BMP5	2.930	-1.314	0.402	0.000103143	0.001008124
ENSG00000187689	AMTN	5.670	1.290	2.445	0.000103339	0.001009102
ENSG00000122085	MTERF4	4.500	-0.252	0.840	0.000103962	0.001014234
ENSG00000160360	GPSM1	6.311	-0.313	0.805	0.000104967	0.001023082
ENSG00000176390	CRLF3	2.972	-0.305	0.810	0.000105376	0.001026117
ENSG00000164976	KIAA1161	3.601	-0.519	0.698	0.000106079	0.001032
ENSG00000188313	PLSCR1	4.568	-0.313	0.805	0.000106731	0.00103738
ENSG00000116521	SCAMP3	5.915	0.272	1.207	0.000107115	0.001040147
ENSG00000100591	AHSA1	5.861	0.250	1.190	0.000108016	0.001047929
ENSG00000179820	MYADM	7.254	0.415	1.333	0.000109357	0.001059952
ENSG00000117226	GBP3	3.127	-0.424	0.745	0.000110299	0.001068098
ENSG00000108551	RASD1	5.903	-0.739	0.599	0.000111142	0.00107526
ENSG00000131584	ACAP3	4.805	0.326	1.253	0.000112707	0.001088635
ENSG00000103742	IGDCC4	3.087	-0.532	0.692	0.000112732	0.001088635
ENSG00000181830	SLC35C1	4.388	0.326	1.254	0.000112982	0.001090039
ENSG00000108064	TFAM	4.025	-0.311	0.806	0.000114373	0.001102451
ENSG00000147475	ERLIN2	5.740	-0.304	0.810	0.000115582	0.001113071
ENSG00000187134	AKR1C1	4.963	0.748	1.679	0.000116226	0.00111825
ENSG00000272091		3.167	-0.264	0.833	0.000116813	0.001122868

ENSG0000004799	PDK4	4.432	-0.588	0.665	0.00011697	0.001123027
ENSG00000143624	INTS3	6.368	-0.357	0.781	0.000117045	0.001123027
ENSG00000157601	MX1	3.413	-0.574	0.672	0.000118133	0.001132432
ENSG00000145476	CYP4V2	5.408	-0.315	0.804	0.000118661	0.001136449
ENSG00000104231	ZFAND1	5.076	-0.232	0.851	0.000119278	0.001141318
ENSG00000119669	IRF2BPL	4.763	0.314	1.243	0.000120359	0.001150607
ENSG00000105397	TYK2	5.536	0.209	1.156	0.000120915	0.001154875
ENSG00000162836	ACP6	3.283	-0.394	0.761	0.000122079	0.001164922
ENSG00000171992	SYNPO	8.524	0.316	1.245	0.000122821	0.001170942
ENSG00000101230	ISM1	8.152	-0.497	0.709	0.000123629	0.001177574
ENSG00000146247	PHIP	5.261	-0.498	0.708	0.000124747	0.001187139
ENSG00000126903	SLC10A3	5.443	0.243	1.184	0.000124901	0.001187521
ENSG00000180263	FGD6	2.750	-0.918	0.529	0.000125322	0.001188726
ENSG00000159200	RCAN1	8.033	0.802	1.744	0.000125345	0.001188726
ENSG00000114993	RTKN	6.242	0.217	1.162	0.000125368	0.001188726
ENSG00000123096	SSPN	4.569	-0.677	0.625	0.000125622	0.001190059
ENSG00000161526	SAP30BP	5.504	0.293	1.225	0.000125745	0.001190145
ENSG0000015479	MATR3	7.749	-0.256	0.838	0.000126169	0.001192722
ENSG00000067955	CBFB	5.253	-0.226	0.855	0.000126245	0.001192722
ENSG00000166173	LARP6	4.857	0.284	1.218	0.000126506	0.001194111
ENSG00000163071	SPATA18	4.085	-0.438	0.738	0.000127343	0.001200923
ENSG00000105793	GTPBP10	3.480	-0.293	0.816	0.00012813	0.001207256
ENSG00000013364	MVP	7.320	0.435	1.352	0.000128458	0.001209264
ENSG00000235863	B3GALT4	3.251	0.481	1.395	0.000129088	0.001213997
ENSG00000135632	SMYD5	4.639	-0.261	0.835	0.000129193	0.001213997
ENSG00000117625	RCOR3	5.664	-0.334	0.793	0.000130858	0.001228538
ENSG00000136205	TNS3	8.416	-0.492	0.711	0.000132091	0.001239
ENSG00000131196	NFATC1	6.369	0.276	1.211	0.000133314	0.001249355
ENSG00000143401	ANP32E	5.568	-0.248	0.842	0.000134085	0.001255461
ENSG00000115947	ORC4	4.105	-0.267	0.831	0.00013477	0.00126074
ENSG00000158006	PAFAH2	4.355	-0.378	0.769	0.000135224	0.001263861
ENSG00000104368	PLAT	3.086	0.651	1.570	0.000135521	0.001265506
ENSG00000164294	GPX8	6.328	0.300	1.231	0.000136159	0.00127033
ENSG00000244509	APOBEC3C	3.712	0.468	1.383	0.000137167	0.001277205
ENSG00000122034	GTF3A	5.318	0.456	1.371	0.000137204	0.001277205
ENSG00000082074	FYB	2.767	-1.024	0.492	0.000137278	0.001277205
ENSG00000165943	MOAP1	3.925	-0.249	0.841	0.000137384	0.001277205
ENSG00000198960	ARMCX6	3.210	-0.387	0.765	0.000137604	0.00127812
ENSG00000047849	MAP4	7.827	0.260	1.197	0.000140777	0.001306433
ENSG00000248508	SRP14-AS1	2.778	-0.363	0.777	0.000140936	0.001306746
ENSG00000139178	C1RL	5.823	-0.234	0.850	0.000142052	0.001315823
ENSG00000160767	FAM189B	4.059	0.281	1.215	0.000142166	0.001315823
ENSG00000215717	TMEM167B	5.869	-0.209	0.865	0.000143214	0.001324139
ENSG00000185650	ZFP36L1	7.416	-0.332	0.795	0.000143318	0.001324139
ENSG00000172531	PPP1CA	5.399	0.370	1.292	0.00014376	0.001327053
ENSG00000170421	KRT8	5.221	0.391	1.312	0.000144817	0.001335631
ENSG00000167543	TP53I13	5.634	0.368	1.291	0.000144945	0.001335642
ENSG00000164104	HMGB2	5.423	-0.378	0.769	0.000150263	0.001383425
ENSG00000173226	IQCB1	4.253	-0.257	0.837	0.00015128	0.001391315
ENSG00000197694	SPTAN1	7.477	0.266	1.203	0.000151386	0.001391315
ENSG00000145050	MANF	5.678	0.462	1.378	0.000151881	0.001394642
ENSG00000100941	PNN	6.131	-0.287	0.820	0.000152584	0.001399381

ENSG00000144591	GMPPA	5.870	0.323	1.251	0.000152665	0.001399381
ENSG00000196588	MKL1	4.083	0.312	1.241	0.000153776	0.001408339
ENSG00000100650	SRSF5	8.608	-0.341	0.790	0.000155591	0.001426635
ENSG00000173376	NDNF	6.729	-0.758	0.591	0.000156166	0.001427725
ENSG00000137414	FAM8A1	5.575	-0.334	0.793	0.00015633	0.00142798
ENSG00000243317	C7orf73	6.337	0.305	1.236	0.000158264	0.001444384
ENSG00000188906	LRRK2	2.764	-0.618	0.652	0.000158434	0.001444674
ENSG00000169116	PARM1	6.221	-0.643	0.641	0.000159186	0.00145027
ENSG00000174428	GTF2IRD2B	3.803	-0.363	0.777	0.000159367	0.001450654
ENSG00000115318	LOXL3	7.105	0.679	1.601	0.000159757	0.001452938
ENSG00000100225	FBXO7	6.106	0.191	1.142	0.000160018	0.001454055
ENSG00000089639	GMIP	2.853	0.448	1.364	0.000160667	0.001458685
ENSG00000198730	CTR9	5.181	-0.227	0.854	0.000161064	0.001461022
ENSG00000064933	PMS1	3.935	-0.265	0.832	0.000161422	0.001463004
ENSG00000185507	IRF7	3.726	0.515	1.429	0.000161649	0.001463621
ENSG00000167244	IGF2	6.821	-0.745	0.597	0.00016177	0.001463621
ENSG00000135750	KCNK1	4.418	0.321	1.250	0.000161964	0.001464111
ENSG00000103326	CAPN15	3.752	0.324	1.251	0.000163119	0.001473277
ENSG00000246922	UBAP1L	3.340	-0.438	0.738	0.000163519	0.001474428
ENSG00000083896	YTHDC1	5.921	-0.281	0.823	0.000163528	0.001474428
ENSG00000000457	SCYL3	3.568	-0.289	0.819	0.000166103	0.001496354
ENSG00000068383	INPP5A	3.226	-0.462	0.726	0.000168103	0.001513071
ENSG00000117643	MAN1C1	2.867	-0.622	0.650	0.000169007	0.001519902
ENSG00000106809	OGN	11.200	0.712	1.638	0.000169938	0.00152696
ENSG00000196275	GTF2IRD2	3.485	-0.345	0.787	0.000171011	0.001535284
ENSG00000198858	R3HDM4	4.804	0.335	1.262	0.000171199	0.001535657
ENSG00000104626	ERI1	3.572	-0.310	0.807	0.000172336	0.001544534
ENSG00000175287	PHYHD1	3.991	-0.459	0.728	0.000173096	0.001550014
ENSG00000154144	TBRG1	4.432	0.245	1.185	0.0001736	0.001553202
ENSG00000166825	ANPEP	6.000	1.118	2.170	0.000175439	0.001568315
ENSG00000169241	SLC50A1	4.116	0.401	1.321	0.000176401	0.001575568
ENSG00000182606	TRAK1	3.748	0.553	1.467	0.000177355	0.001582735
ENSG00000103042	SLC38A7	3.088	0.327	1.254	0.000178862	0.00159483
ENSG00000137767	SQRDL	3.100	1.129	2.187	0.000179035	0.001595008
ENSG00000176171	BNIP3	6.396	-0.471	0.722	0.00017975	0.001600023
ENSG00000165527	ARF6	5.231	0.300	1.231	0.000180518	0.001605069
ENSG00000241684	ADAMTS9-AS2	2.805	-0.533	0.691	0.000180624	0.001605069
ENSG00000160753	RUSC1	4.790	0.267	1.203	0.000181094	0.001607879
ENSG00000163923	RPL39L	3.014	0.552	1.467	0.000181887	0.001613551
ENSG00000213923	CSNK1E	5.764	0.220	1.165	0.000182135	0.001614387
ENSG00000134463	ECHDC3	2.882	-0.386	0.765	0.000182915	0.001619924
ENSG00000132849	PATJ	4.372	-0.419	0.748	0.000184522	0.001632779
ENSG00000070669	ASNS	4.159	0.339	1.265	0.000184763	0.001633531
ENSG00000170271	FAXDC2	5.863	-0.443	0.735	0.000185341	0.001637259
ENSG00000110880	CORO1C	6.072	0.439	1.355	0.000186562	0.001646656
ENSG00000196670	ZFP62	3.730	-0.315	0.804	0.000188732	0.001664408
ENSG00000184640	SEPT9	6.585	0.293	1.225	0.000189261	0.001667664
ENSG00000189320	FAM180A	4.222	0.814	1.758	0.000189498	0.001668348
ENSG00000131724	IL13RA1	7.417	-0.261	0.834	0.0001907	0.001677517
ENSG00000154263	ABCA10	2.763	-0.652	0.636	0.000192506	0.0016913
ENSG00000179967	PPP1R14BP3	3.493	0.656	1.575	0.00019259	0.0016913
ENSG00000154096	THY1	6.729	1.141	2.206	0.000193132	0.001694644

ENSG00000089775	ZBTB25	4.130	-0.405	0.755	0.000193488	0.001695344
ENSG00000119986	AVPI1	4.015	0.386	1.307	0.000193536	0.001695344
ENSG00000187824	TMEM220	3.779	-0.345	0.788	0.000195382	0.00171008
ENSG00000176915	ANKLE2	5.738	0.247	1.186	0.000195615	0.001710689
ENSG00000138764	CCNG2	5.204	-0.368	0.775	0.000196657	0.001718372
ENSG00000139044	B4GALNT3	6.952	0.255	1.193	0.000196926	0.001719287
ENSG00000184205	TSPYL2	6.937	-0.423	0.746	0.00019767	0.001724344
ENSG00000167779	IGFBP6	7.245	0.829	1.776	0.000200308	0.001745896
ENSG00000187257	RSBN1L	4.341	-0.287	0.820	0.000203513	0.001772362
ENSG00000160789	LMNA	9.037	0.489	1.404	0.000205192	0.001785497
ENSG00000167103	PIP5KL1	3.065	0.362	1.285	0.000205401	0.001785832
ENSG00000159335	PTMS	8.158	0.499	1.414	0.000205572	0.001785833
ENSG00000163170	BOLA3	2.866	0.462	1.377	0.000206674	0.001793391
ENSG00000006611	USH1C	3.080	0.893	1.858	0.000206785	0.001793391
ENSG00000115170	ACVR1	6.195	0.449	1.365	0.000207858	0.001800892
ENSG00000156515	HK1	7.128	0.240	1.181	0.000208135	0.001800892
ENSG00000181004	BBS12	3.263	0.320	1.248	0.000208166	0.001800892
ENSG00000113648	H2AFY	5.252	0.247	1.187	0.000208499	0.001802286
ENSG00000138131	LOXL4	4.864	0.849	1.801	0.000208922	0.001804449
ENSG00000221890	NPTXR	3.452	-0.441	0.737	0.000209355	0.001806698
ENSG00000168268	NT5DC2	5.842	0.512	1.426	0.000209755	0.00180835
ENSG00000164048	ZNF589	3.558	-0.341	0.789	0.000209892	0.00180835
ENSG00000134201	GSTM5	4.897	-0.387	0.765	0.000212208	0.001826803
ENSG00000175166	PSMD2	6.419	0.192	1.142	0.000213139	0.001832702
ENSG00000140105	WARS	4.988	0.257	1.195	0.000213574	0.001832702
ENSG00000187961	KLHL17	3.761	0.265	1.201	0.000213588	0.001832702
ENSG00000254837		2.768	-0.320	0.801	0.00021375	0.001832702
ENSG00000196136	SERPINA3	4.268	-1.179	0.442	0.000213769	0.001832702
ENSG00000186020	ZNF529	3.437	-0.305	0.809	0.000216281	0.001852728
ENSG00000167157	PRRX2	4.578	0.654	1.573	0.000217608	0.001862567
ENSG00000157796	WDR19	4.920	-0.380	0.769	0.000219135	0.001874106
ENSG00000133816	MICAL2	5.156	0.746	1.677	0.000219727	0.001877634
ENSG00000117632	STMN1	3.188	0.893	1.857	0.000220619	0.001883717
ENSG00000164808	SPIDR	5.206	-0.249	0.842	0.000221819	0.001891345
ENSG00000111581	NUP107	4.213	-0.278	0.825	0.000221874	0.001891345
ENSG00000138594	TMOD3	4.707	0.419	1.337	0.000224318	0.001910625
ENSG00000179818	PCBP1-AS1	4.403	-0.256	0.838	0.0002255	0.001919134
ENSG00000198756	COLGALT2	8.411	0.482	1.397	0.000226975	0.001930114
ENSG00000159069	FBXW5	5.729	0.373	1.295	0.000228885	0.001944776
ENSG00000165124	SVEP1	4.387	-0.904	0.534	0.000229962	0.00195235
ENSG00000162599	NFIA	5.457	-0.451	0.732	0.000232592	0.001973075
ENSG00000198542	ITGBL1	4.821	-0.590	0.665	0.000233764	0.001981411
ENSG00000131462	TUBG1	3.002	0.415	1.333	0.000233973	0.001981577
ENSG00000144369	FAM171B	2.767	-0.459	0.727	0.00023432	0.001982912
ENSG00000100994	PYGB	5.986	0.263	1.200	0.000236634	0.002000876
ENSG00000213366	GSTM2	5.338	-0.369	0.774	0.0002402	0.002026577
ENSG00000198521	ZNF43	2.940	-0.317	0.803	0.000240235	0.002026577
ENSG00000184497	TMEM255B	3.443	0.498	1.412	0.000240254	0.002026577
ENSG00000089486	CDIP1	4.548	-0.230	0.852	0.00024113	0.00203233
ENSG00000166548	TK2	5.027	-0.281	0.823	0.000242419	0.002041544
ENSG00000151623	NR3C2	3.217	-0.413	0.751	0.000244427	0.002056806
ENSG00000175203	DCTN2	6.122	0.308	1.238	0.000245115	0.002060938

ENSG00000134152	KATNBL1	3.955	-0.201	0.870	0.000245937	0.002066184
ENSG00000172466	ZNF24	5.557	-0.329	0.796	0.000246162	0.002066417
ENSG00000263072	ZNF213-AS1	3.021	-0.428	0.743	0.000246531	0.002067854
ENSG00000126562	WNK4	2.633	-0.608	0.656	0.00024708	0.002070262
ENSG00000095739	BAMBI	5.553	-0.408	0.753	0.000247213	0.002070262
ENSG00000105438	KDELR1	7.054	0.251	1.190	0.000248499	0.002079371
ENSG00000221988	PPT2	3.622	0.264	1.201	0.000249566	0.002085088
ENSG00000181191	PJA1	4.227	-0.244	0.845	0.000249581	0.002085088
ENSG00000156076	WIF1	5.780	-0.883	0.542	0.000250153	0.002088198
ENSG00000161714	PLCD3	5.560	-0.299	0.813	0.000251064	0.002094136
ENSG00000084676	NCOA1	5.132	-0.341	0.790	0.000251576	0.002096734
ENSG00000091986	CCDC80	9.502	0.372	1.294	0.000254121	0.002116261
ENSG00000225259	ST13P6	3.271	-0.448	0.733	0.000254712	0.002119499
ENSG00000158008	EXTL1	5.970	-0.540	0.688	0.000255966	0.002126423
ENSG00000147457	CHMP7	4.383	0.263	1.200	0.000256166	0.002126423
ENSG00000197442	MAP3K5	4.442	-0.602	0.659	0.000256331	0.002126423
ENSG00000117155	SSX2IP	3.037	-0.363	0.778	0.000256357	0.002126423
ENSG00000099331	MYO9B	6.403	-0.315	0.804	0.000257373	0.002132935
ENSG00000103152	MPG	4.059	0.447	1.363	0.00025755	0.002132935
ENSG00000167930	FAM234A	4.639	0.523	1.437	0.000257971	0.002134739
ENSG00000273015		3.302	-0.268	0.830	0.000259349	0.002144197
ENSG00000069188	SDK2	7.274	0.548	1.462	0.000259524	0.002144197
ENSG00000184277	TM2D3	5.467	-0.214	0.862	0.000260638	0.002151706
ENSG00000169371	SNUPN	2.661	-0.279	0.824	0.000261048	0.002153392
ENSG00000133083	DCLK1	2.664	1.568	2.965	0.000270279	0.002226223
ENSG00000189180	ZNF33A	5.123	-0.295	0.815	0.000270433	0.002226223
ENSG00000116793	PHTF1	3.194	0.292	1.224	0.000270515	0.002226223
ENSG00000115289	PCGF1	3.564	0.347	1.272	0.000271531	0.002232828
ENSG00000182175	RGMA	4.920	-0.482	0.716	0.000274396	0.002254615
ENSG00000161677	JOSD2	4.441	0.533	1.447	0.00027626	0.002267746
ENSG00000100968	NFATC4	5.864	0.486	1.401	0.000276605	0.002267746
ENSG00000108813	DLX4	4.145	0.778	1.715	0.000276644	0.002267746
ENSG00000152229	PSTPIP2	2.608	-0.348	0.785	0.000277781	0.002275284
ENSG00000108946	PRKAR1A	7.604	-0.239	0.847	0.000280011	0.002291759
ENSG00000102466	FGF14	2.911	-0.725	0.605	0.00028417	0.002323981
ENSG00000130522	JUND	6.675	0.441	1.358	0.000284938	0.002328436
ENSG00000149115	TNKS1BP1	6.445	0.237	1.179	0.000286534	0.002339658
ENSG00000264247	LINC00909	3.269	-0.290	0.818	0.000290123	0.002367115
ENSG00000260336		4.464	-0.247	0.842	0.000294594	0.002401724
ENSG00000173698	ADGRG2	7.057	0.605	1.521	0.000297459	0.002423192
ENSG00000163807	KIAA1143	4.565	-0.238	0.848	0.000298202	0.002427355
ENSG00000103591	AAGAB	4.207	0.283	1.217	0.00029874	0.002429848
ENSG00000179476	C14orf28	3.516	-0.343	0.788	0.000301112	0.002447239
ENSG00000136840	ST6GALNAC4	4.740	0.321	1.249	0.000302559	0.002455918
ENSG00000143819	EPHX1	5.041	-0.486	0.714	0.000302649	0.002455918
ENSG00000161011	SQSTM1	6.581	-0.342	0.789	0.000303871	0.002463043
ENSG00000134291	TMEM106C	5.488	-0.285	0.821	0.000303998	0.002463043
ENSG00000198948	MFAP3L	5.026	-0.383	0.767	0.000305763	0.002475424
ENSG00000185800	DMWD	4.337	0.298	1.230	0.000306003	0.002475452
ENSG00000138380	CARF	3.624	-0.564	0.676	0.000307443	0.002485184
ENSG00000153879	CEBPG	4.427	0.288	1.221	0.000308938	0.002495342
ENSG00000139263	LRIG3	6.242	-0.504	0.705	0.000309434	0.002497418

ENSG00000124225	PMEPA1	8.372	0.360	1.284	0.0003106	0.002504899
ENSG00000211445	GPX3	10.729	-0.527	0.694	0.000313747	0.002527586
ENSG00000138398	PPIG	5.776	-0.234	0.850	0.000313896	0.002527586
ENSG00000149923	PPP4C	4.910	0.413	1.331	0.000316303	0.002543493
ENSG00000150403	TMCO3	7.144	0.325	1.253	0.000316357	0.002543493
ENSG00000162341	TPCN2	4.148	0.318	1.247	0.000319794	0.002569154
ENSG00000143740	SNAP47	5.104	0.309	1.239	0.000322286	0.002587182
ENSG00000047457	CP	7.213	-0.796	0.576	0.000323031	0.002591181
ENSG00000103365	GGA2	5.755	-0.249	0.841	0.000325929	0.002612423
ENSG00000131386	GALNT15	8.738	0.620	1.537	0.000328121	0.002627981
ENSG00000152767	FARP1	6.187	0.290	1.223	0.000331172	0.002649223
ENSG00000175155	YPEL2	5.363	-0.403	0.756	0.000331279	0.002649223
ENSG00000189319	FAM53B	3.933	-0.312	0.806	0.000335279	0.002679164
ENSG00000121297	TSHZ3	3.150	0.435	1.352	0.000337009	0.002690927
ENSG00000165959	CLMN	3.102	0.539	1.453	0.000344315	0.00274717
ENSG00000173218	VANGL1	4.011	0.462	1.378	0.000346348	0.002761291
ENSG00000052749	RRP12	4.441	0.340	1.266	0.000348774	0.002778513
ENSG00000105254	TBCB	5.701	0.344	1.270	0.000349323	0.002780767
ENSG00000164904	ALDH7A1	4.473	-0.238	0.848	0.000350891	0.002791129
ENSG00000070759	TESK2	3.160	-0.361	0.779	0.00035914	0.002854574
ENSG00000143162	CREG1	6.761	-0.294	0.816	0.000359808	0.002857714
ENSG00000138835	RGS3	6.997	0.385	1.306	0.000360856	0.002862721
ENSG00000142632	ARHGEF19	4.696	0.339	1.265	0.000360985	0.002862721
ENSG00000125962	ARMCX5	3.234	-0.295	0.815	0.000362529	0.002872786
ENSG00000135535	CD164	7.916	-0.217	0.860	0.000363461	0.002877997
ENSG00000198369	SPRED2	4.472	-0.449	0.733	0.000363808	0.002878568
ENSG00000213523	SRA1	4.861	0.407	1.326	0.000364094	0.002878649
ENSG00000177706	FAM20C	8.348	0.374	1.296	0.00036573	0.002887547
ENSG00000242259	C22orf39	3.920	-0.285	0.821	0.000365771	0.002887547
ENSG00000139112	GABARAPL1	6.062	0.359	1.282	0.000366712	0.002891757
ENSG00000116132	PRRX1	7.691	-0.308	0.808	0.000366933	0.002891757
ENSG00000104765	BNIP3L	7.311	-0.283	0.822	0.000367133	0.002891757
ENSG00000147408	CSGALNACT1	8.376	-0.448	0.733	0.00036817	0.002897748
ENSG00000162735	PEX19	4.843	-0.221	0.858	0.000371932	0.00292516
ENSG00000161509	GRIN2C	2.842	-0.735	0.601	0.000372775	0.002929586
ENSG00000156968	MPV17L	3.270	-0.277	0.825	0.000373234	0.002930995
ENSG00000168438	CDC40	3.634	-0.374	0.771	0.000375276	0.002944822
ENSG00000046604	DSG2	5.511	0.762	1.695	0.000375609	0.002945223
ENSG00000167005	NUDT21	6.082	-0.314	0.804	0.000376772	0.002952131
ENSG00000134590	FAM127A	6.621	0.302	1.233	0.000377652	0.002956815
ENSG00000140836	ZFH3	5.271	0.422	1.340	0.000379923	0.002972376
ENSG00000143365	RORC	5.075	-0.424	0.745	0.000381492	0.002982415
ENSG00000070961	ATP2B1	5.370	-0.303	0.811	0.000381809	0.002982669
ENSG00000176720	BOK	4.949	-0.426	0.745	0.000383194	0.00299126
ENSG0000014919	COX15	4.263	-0.273	0.827	0.000385602	0.003007807
ENSG00000063245	EPN1	5.627	0.314	1.243	0.000386397	0.003011767
ENSG00000145075	CCDC39	2.928	-0.676	0.626	0.000388272	0.003024131
ENSG00000241058	NSUN6	3.420	-0.352	0.784	0.000389599	0.003032213
ENSG00000198856	OSTC	6.798	0.375	1.297	0.000391707	0.003046349
ENSG00000172992	DCAKD	4.842	-0.302	0.811	0.00039247	0.003048955
ENSG00000196646	ZNF136	2.693	-0.393	0.761	0.000392686	0.003048955
ENSG00000144134	RABL2A	3.285	-0.274	0.827	0.000392916	0.003048955

ENSG00000083444	PLOD1	8.602	0.298	1.229	0.000395658	0.003067961
ENSG00000145022	TCTA	4.765	-0.243	0.845	0.000396487	0.003072114
ENSG00000127993	RBM48	3.448	-0.297	0.814	0.000401391	0.003107811
ENSG00000138107	ACTR1A	5.726	0.334	1.260	0.000405152	0.00313461
ENSG00000116133	DHCR24	4.998	0.513	1.427	0.000407212	0.003148222
ENSG00000157600	TMEM164	3.546	0.315	1.244	0.000407562	0.003148602
ENSG00000170638	TRABD	4.122	0.260	1.198	0.000412431	0.00318387
ENSG00000060069	CTDP1	3.658	0.309	1.239	0.000413523	0.003189336
ENSG00000167186	COQ7	3.594	-0.256	0.837	0.000413748	0.003189336
ENSG00000117054	ACADM	4.935	-0.290	0.818	0.000414382	0.003191871
ENSG00000116922	C1orf109	3.383	-0.409	0.753	0.000415728	0.003199885
ENSG00000110693	SOX6	4.348	-0.625	0.648	0.000416739	0.003205306
ENSG00000198860	TSEN15	4.330	0.240	1.181	0.000417396	0.003208003
ENSG00000134531	EMP1	7.739	0.474	1.389	0.000417818	0.003208895
ENSG00000130429	ARPC1B	5.881	0.581	1.496	0.000419654	0.003220632
ENSG00000142186	SCYL1	6.332	0.242	1.183	0.000420235	0.003221768
ENSG00000161010	MRNIP	5.043	-0.347	0.786	0.000420418	0.003221768
ENSG00000041982	TNC	11.345	0.685	1.607	0.000421187	0.003222975
ENSG00000107404	DVL1	5.913	0.224	1.168	0.000421191	0.003222975
ENSG00000149792	MRPL49	5.160	-0.255	0.838	0.000426436	0.003260727
ENSG00000182107	TMEM30B	4.240	-0.367	0.776	0.000428699	0.003275635
ENSG00000170144	HNRNPA3	6.959	-0.202	0.869	0.000432143	0.00329954
ENSG00000106624	AEBP1	11.397	0.313	1.242	0.000433409	0.003306795
ENSG00000086189	DIMT1	4.157	-0.243	0.845	0.000433731	0.003306842
ENSG00000163947	ARHGEF3	2.786	-0.389	0.764	0.000434087	0.003307147
ENSG00000116791	CRYZ	5.116	-0.285	0.821	0.00044098	0.003354958
ENSG00000111669	TPI1	8.834	0.376	1.297	0.000441003	0.003354958
ENSG00000120675	DNAJC15	4.625	0.353	1.278	0.00044313	0.003368693
ENSG00000173818	ENDOV	3.763	-0.342	0.789	0.000443754	0.003369183
ENSG00000163875	MEAF6	5.030	-0.195	0.874	0.00044412	0.003369183
ENSG00000129009	ISLR	9.782	0.458	1.374	0.000444161	0.003369183
ENSG00000131652	THOC6	3.967	0.432	1.349	0.00044781	0.003394404
ENSG00000007541	PIGQ	4.972	0.299	1.231	0.000449086	0.003396903
ENSG00000122641	INHBA	8.330	0.927	1.902	0.000449324	0.003396903
ENSG00000119333	WDR34	5.222	0.446	1.362	0.000449327	0.003396903
ENSG00000196151	WDSUB1	2.667	-0.271	0.829	0.000449583	0.003396903
ENSG00000198734	F5	6.317	0.758	1.692	0.000449762	0.003396903
ENSG00000109736	MFSD10	5.561	0.359	1.283	0.000451355	0.00340567
ENSG00000147679	UTP23	3.915	-0.285	0.821	0.000451573	0.00340567
ENSG00000172893	DHCR7	4.848	0.375	1.296	0.000457828	0.003450357
ENSG00000183864	TOB2	5.142	-0.232	0.851	0.00046092	0.003471156
ENSG00000101849	TBL1X	3.792	-0.351	0.784	0.000464379	0.003492393
ENSG00000179163	FUCA1	5.213	-0.297	0.814	0.000464407	0.003492393
ENSG00000132740	IGHMBP2	4.317	0.252	1.191	0.000464753	0.00349249
ENSG00000185963	BICD2	4.586	0.317	1.246	0.000466772	0.00350514
ENSG00000142920	AZIN2	3.744	0.314	1.243	0.000467156	0.003505511
ENSG00000146729	GBAS	4.638	-0.192	0.875	0.000468026	0.00350796
ENSG00000120910	PPP3CC	3.826	0.244	1.184	0.000468153	0.00350796
ENSG00000167220	HDHD2	3.227	-0.493	0.710	0.000470765	0.003525014
ENSG00000129187	DCTD	6.031	-0.237	0.848	0.000471455	0.003527656
ENSG00000136870	ZNF189	3.669	-0.341	0.789	0.000480895	0.003595723
ENSG00000227051	C14orf132	5.847	0.320	1.248	0.000481375	0.003596739

ENSG00000075618	FSCN1	6.511	0.266	1.203	0.000482219	0.003600476
ENSG00000144476	ACKR3	7.512	0.484	1.399	0.000484871	0.003617701
ENSG00000163430	FSTL1	9.617	0.425	1.343	0.00048546	0.00361951
ENSG00000139631	CSAD	5.040	-0.335	0.793	0.000487628	0.003633092
ENSG00000117410	ATP6V0B	5.662	0.449	1.365	0.000490632	0.003652871
ENSG00000112280	COL9A1	7.202	-1.414	0.375	0.000496499	0.003693924
ENSG00000108039	XPNPEP1	5.158	0.210	1.157	0.000502969	0.003739399
ENSG00000178761	FAM219B	5.414	-0.218	0.860	0.0005036	0.003741439
ENSG00000135069	PSAT1	2.868	0.903	1.870	0.000506237	0.003758358
ENSG00000109846	CRYAB	7.163	0.526	1.440	0.000512041	0.003798759
ENSG00000166123	GPT2	5.153	-0.305	0.809	0.000515549	0.003821349
ENSG00000197943	PLCG2	3.695	-0.357	0.781	0.000515996	0.003821349
ENSG00000104904	OAZ1	8.391	0.440	1.357	0.000516182	0.003821349
ENSG00000214135		3.324	-0.412	0.751	0.000522492	0.003865333
ENSG00000260708		2.731	-0.494	0.710	0.00052673	0.003891894
ENSG00000110717	NDUFS8	4.795	0.584	1.499	0.000526826	0.003891894
ENSG00000089048	ESF1	3.799	-0.329	0.796	0.000528455	0.003901179
ENSG00000253719	ATXN7L3B	5.767	-0.285	0.821	0.000529292	0.003904602
ENSG00000146373	RNF217	5.887	-0.421	0.747	0.00053099	0.003913937
ENSG00000109436	TBC1D9	2.814	0.561	1.476	0.000531305	0.003913937
ENSG00000141858	SAMD1	3.745	0.422	1.340	0.000535407	0.003941035
ENSG00000267809	NDUFV2P1	3.146	0.369	1.291	0.000535737	0.003941035
ENSG00000181541	MAB21L2	2.930	-0.914	0.531	0.000536331	0.003942635
ENSG00000095383	TBC1D2	2.806	0.499	1.413	0.000537923	0.003951566
ENSG00000110057	UNC93B1	4.035	0.454	1.370	0.000540985	0.00397127
ENSG00000196323	ZBTB44	4.518	-0.378	0.769	0.00054345	0.00398657
ENSG00000162241	SLC25A45	3.523	-0.342	0.789	0.000544911	0.003991913
ENSG00000170899	GSTA4	5.773	-0.214	0.862	0.000544941	0.003991913
ENSG00000182481	KPNA2	3.387	0.448	1.364	0.000546734	0.004002247
ENSG00000159713	TPPP3	7.289	1.093	2.133	0.000547357	0.004004008
ENSG00000171314	PGAM1	6.591	0.287	1.220	0.000551673	0.004032761
ENSG00000152818	UTRN	6.476	-0.499	0.707	0.000553254	0.004041495
ENSG00000126226	PCID2	4.887	-0.192	0.876	0.000556598	0.004063085
ENSG00000172260	NEGR1	3.909	-0.396	0.760	0.000557192	0.004064588
ENSG00000153246	PLA2R1	5.001	-0.377	0.770	0.000558948	0.004074562
ENSG00000044115	CTNNA1	7.982	0.219	1.164	0.00056169	0.004090187
ENSG00000139998	RAB15	3.601	0.412	1.330	0.00056214	0.004090187
ENSG00000159840	ZYX	5.396	0.378	1.299	0.000562264	0.004090187
ENSG00000145782	ATG12	5.216	-0.189	0.877	0.00056457	0.004104112
ENSG00000117450	PRDX1	7.688	0.359	1.282	0.000569315	0.00413573
ENSG00000104381	GDAP1	2.630	-0.371	0.773	0.000573089	0.004160264
ENSG00000162733	DDR2	8.594	-0.415	0.750	0.000582653	0.004226761
ENSG00000133275	CSNK1G2	5.116	0.228	1.171	0.000585239	0.004242578
ENSG00000167397	VKORC1	5.491	0.663	1.583	0.000585989	0.004245078
ENSG00000002587	HS3ST1	4.632	0.448	1.364	0.000590336	0.00427361
ENSG00000128918	ALDH1A2	6.263	-0.474	0.720	0.000595219	0.004305982
ENSG00000134333	LDHA	10.273	0.326	1.253	0.000596742	0.00431261
ENSG00000071564	TCF3	4.765	0.255	1.193	0.000596959	0.00431261
ENSG00000183726	TMEM50A	5.614	0.340	1.266	0.0006004	0.004334475
ENSG00000102900	NUP93	3.925	0.258	1.196	0.000602807	0.004346113
ENSG00000136717	BIN1	5.443	0.388	1.308	0.000602843	0.004346113
ENSG00000120820	GLT8D2	6.523	-0.314	0.804	0.000604831	0.004357445

ENSG00000185347	C14orf80	3.427	0.621	1.538	0.000606259	0.004364729
ENSG00000107186	MPDZ	5.537	-0.575	0.671	0.000606818	0.004365755
ENSG00000198768	APCDD1L	3.842	1.070	2.100	0.000610469	0.004389
ENSG00000188811	NHLRC3	5.044	-0.333	0.794	0.000616402	0.00442476
ENSG00000157869	RAB28	5.190	-0.240	0.847	0.000617111	0.00442476
ENSG00000138311	ZNF365	4.053	0.419	1.337	0.000617203	0.00442476
ENSG00000131653	TRAF7	4.621	0.272	1.208	0.000617267	0.00442476
ENSG00000172296	SPTLC3	2.655	0.540	1.454	0.000617556	0.00442476
ENSG00000127616	SMARCA4	5.516	0.182	1.135	0.000618743	0.004430231
ENSG00000102100	SLC35A2	4.588	0.185	1.137	0.000619583	0.004433214
ENSG00000234899	SOX9-AS1	3.266	-0.452	0.731	0.000621946	0.004444212
ENSG00000068724	TTC7A	5.046	0.230	1.173	0.000621969	0.004444212
ENSG00000247271	ZBED5-AS1	3.132	-0.342	0.789	0.000622432	0.00444449
ENSG00000164694	FNDC1	7.085	0.880	1.840	0.000625116	0.004460609
ENSG00000139329	LUM	12.993	0.396	1.316	0.000626383	0.004466607
ENSG00000112473	SLC39A7	8.087	0.220	1.165	0.000629594	0.004486447
ENSG00000007080	CCDC124	5.254	0.438	1.355	0.000631399	0.004496246
ENSG00000147065	MSN	8.021	0.320	1.248	0.000633215	0.004506116
ENSG00000188257	PLA2G2A	11.456	-0.510	0.702	0.000634817	0.004514447
ENSG00000169683	LRRC45	3.151	0.413	1.331	0.000640796	0.004552129
ENSG00000182379	NXPH4	5.111	0.521	1.435	0.000640986	0.004552129
ENSG00000005379	TSPOAP1	5.576	-0.323	0.799	0.000641701	0.004554117
ENSG00000175756	AURKAIP1	5.133	0.536	1.450	0.000645389	0.004574119
ENSG00000118849	RARRES1	3.617	0.601	1.517	0.000645393	0.004574119
ENSG00000164885	CDK5	2.620	0.455	1.371	0.000647785	0.004587969
ENSG00000133226	SRRM1	6.307	-0.335	0.793	0.000649055	0.00459385
ENSG00000126804	ZBTB1	5.266	-0.311	0.806	0.000653547	0.004622519
ENSG00000137404	NRM	2.902	0.492	1.406	0.000654376	0.004625258
ENSG00000113851	CRBN	4.051	-0.218	0.860	0.000660521	0.004665544
ENSG00000035862	TIMP2	9.722	0.309	1.239	0.000661944	0.004672317
ENSG00000177613	CSTF2T	4.095	-0.259	0.836	0.000662373	0.004672317
ENSG00000153064	BANK1	4.754	-0.561	0.678	0.000668249	0.004708393
ENSG00000189337	KAZN	2.720	0.411	1.330	0.000668387	0.004708393
ENSG00000096060	FKBP5	6.114	-0.279	0.824	0.000674549	0.004748609
ENSG00000042493	CAPG	7.192	0.475	1.390	0.000677023	0.004762823
ENSG00000255529	POLR2M	4.600	-0.210	0.864	0.000678301	0.004768609
ENSG00000105669	COPE	5.665	0.470	1.386	0.000680211	0.004778824
ENSG00000139291	TMEM19	3.889	0.257	1.195	0.000683716	0.004800229
ENSG00000231925	TAPBP	6.809	0.220	1.165	0.000684733	0.004803316
ENSG00000106078	COBL	2.805	0.699	1.624	0.000685074	0.004803316
ENSG00000134138	MEIS2	3.261	-0.444	0.735	0.000686921	0.004812719
ENSG00000164442	CITED2	5.005	-0.296	0.815	0.000687334	0.004812719
ENSG00000188227	ZNF793	2.936	-0.446	0.734	0.000692419	0.00484508
ENSG00000100644	HIF1A	7.857	-0.385	0.766	0.000694532	0.00485662
ENSG00000176124	DLEU1	3.053	-0.321	0.800	0.000698196	0.004876246
ENSG00000131389	SLC6A6	5.194	0.685	1.608	0.00069827	0.004876246
ENSG00000088899	LZTS3	2.700	0.328	1.255	0.000700094	0.004885723
ENSG00000146085	MUT	4.844	-0.246	0.843	0.000705116	0.004917495
ENSG00000173281	PPP1R3B	4.736	-0.384	0.766	0.00071228	0.004964143
ENSG00000125912	NCLN	5.388	0.309	1.239	0.000713603	0.004970056
ENSG00000162909	CAPN2	7.553	0.247	1.187	0.000714538	0.004972395
ENSG00000214160	ALG3	4.545	0.304	1.235	0.000714889	0.004972395

ENSG00000165175	MID1IP1	4.226	0.230	1.173	0.000716924	0.004983241
ENSG00000163629	PTPN13	4.407	-0.480	0.717	0.000717766	0.004985783
ENSG00000123609	NMI	3.589	0.339	1.265	0.000725737	0.005037809
ENSG00000111087	GLI1	2.601	-0.737	0.600	0.000726395	0.005039035
ENSG00000084636	COL16A1	8.844	-0.675	0.626	0.00072948	0.005057086
ENSG00000105204	DYRK1B	3.091	0.259	1.197	0.000730081	0.005057898
ENSG00000186908	ZDHHC17	4.745	-0.339	0.791	0.000733695	0.005074694
ENSG00000228232	GAPDHP1	5.734	0.283	1.217	0.000733938	0.005074694
ENSG00000182568	SATB1	4.373	-0.386	0.765	0.000733959	0.005074694
ENSG00000115355	CCDC88A	6.366	-0.401	0.758	0.000736168	0.005086606
ENSG00000114107	CEP70	3.594	-0.235	0.850	0.000737548	0.005092781
ENSG00000065621	GSTO2	3.532	-0.330	0.796	0.000738813	0.005098153
ENSG00000137193	PIM1	3.856	0.593	1.509	0.000740383	0.005105619
ENSG00000196715	VKORC1L1	4.617	0.225	1.169	0.000746151	0.005142006
ENSG00000187735	TCEA1	5.669	-0.223	0.857	0.000748263	0.005153169
ENSG00000154429	CCSAP	2.957	-0.360	0.779	0.000749699	0.005159668
ENSG00000166444	ST5	4.542	-0.597	0.661	0.000752433	0.005175077
ENSG00000188706	ZDHHC9	5.503	0.317	1.246	0.000753081	0.005176136
ENSG00000118200	CAMSAP2	6.714	-0.419	0.748	0.0007541	0.005179738
ENSG00000151322	NPAS3	3.950	-0.315	0.804	0.000756436	0.005192373
ENSG00000170653	ATF7	4.651	-0.260	0.835	0.00075735	0.005193048
ENSG00000159873	CCDC117	4.402	-0.265	0.832	0.000757526	0.005193048
ENSG00000121060	TRIM25	4.111	-0.272	0.828	0.000760989	0.005213374
ENSG00000141441	GAREM1	4.316	0.413	1.331	0.000762863	0.00522279
ENSG00000142669	SH3BGRL3	7.345	0.348	1.273	0.000763733	0.005225334
ENSG00000161642	ZNF385A	6.336	0.294	1.226	0.000766747	0.005239995
ENSG00000134802	SLC43A3	5.132	-0.511	0.702	0.000766929	0.005239995
ENSG00000142188	TMEM50B	5.020	-0.224	0.856	0.000767548	0.005239995
ENSG00000172053	QARS	6.681	0.257	1.195	0.000768214	0.005239995
ENSG00000256223	ZNF10	4.019	-0.390	0.763	0.000768379	0.005239995
ENSG00000042753	AP2S1	5.290	0.536	1.450	0.000776354	0.00529093
ENSG00000153006	SREK1IP1	5.002	0.349	1.273	0.000777612	0.005296057
ENSG00000122862	SRGN	6.292	-0.300	0.812	0.00077845	0.005298322
ENSG00000118518	RNF146	5.222	-0.227	0.854	0.000779971	0.005305219
ENSG00000178685	PARP10	4.354	-0.420	0.747	0.000782251	0.005317163
ENSG00000133318	RTN3	5.706	0.314	1.243	0.000782743	0.005317163
ENSG00000198373	WWP2	10.008	-0.351	0.784	0.000784257	0.005323995
ENSG00000198046	ZNF667	2.602	-0.426	0.744	0.000787547	0.005342864
ENSG00000184343	SRPK3	3.077	0.435	1.352	0.000789785	0.005350514
ENSG00000204650	LINC02210	3.448	-0.326	0.798	0.000790458	0.005350514
ENSG00000138738	PRDM5	4.410	-0.422	0.747	0.000790586	0.005350514
ENSG00000119638	NEK9	6.341	-0.306	0.809	0.000790719	0.005350514
ENSG00000066629	EML1	6.128	0.465	1.380	0.000795548	0.005377538
ENSG00000117533	VAMP4	5.218	-0.274	0.827	0.00079574	0.005377538
ENSG00000156103	MMP16	4.419	-0.607	0.657	0.000797662	0.005387046
ENSG00000152778	IFIT5	3.710	-0.238	0.848	0.000805115	0.005433879
ENSG00000114988	LMAN2L	4.199	-0.236	0.849	0.000810626	0.005467546
ENSG00000152894	PTPRK	4.509	0.506	1.420	0.000811898	0.0054726
ENSG00000203965	EFCAB7	2.912	-0.316	0.804	0.000814674	0.005485261
ENSG00000168556	ING2	3.438	0.396	1.316	0.000814824	0.005485261
ENSG00000108771	DHX58	3.119	-0.381	0.768	0.000818871	0.005508957
ENSG00000186017	ZNF566	2.791	-0.273	0.827	0.000819508	0.005509708

ENSG00000197183	NOL4L	3.908	0.344	1.270	0.00082336	0.005530992
ENSG00000140564	FURIN	7.841	0.347	1.272	0.000823731	0.005530992
ENSG00000166037	CEP57	5.366	-0.248	0.842	0.000838268	0.005624992
ENSG00000137207	YIPF3	6.775	0.223	1.167	0.00083909	0.005626904
ENSG00000124181	PLCG1	6.071	-0.292	0.817	0.000841393	0.005638735
ENSG00000100296	THOC5	4.068	0.195	1.145	0.000844193	0.005650527
ENSG00000064115	TM7SF3	5.300	0.227	1.171	0.000844232	0.005650527
ENSG00000197712	FAM114A1	7.286	0.224	1.168	0.0008477	0.005670108
ENSG00000140326	CDAN1	3.912	-0.297	0.814	0.00085588	0.005721173
ENSG00000185885	IFITM1	5.867	-0.416	0.749	0.000860466	0.005746554
ENSG00000052850	ALX4	2.678	-1.238	0.424	0.000860775	0.005746554
ENSG00000246082	NUDT16P1	2.744	-0.362	0.778	0.00086485	0.005770076
ENSG00000164692	COL1A2	12.678	0.789	1.727	0.000866052	0.005773935
ENSG00000104881	PPP1R13L	4.369	0.315	1.244	0.000866531	0.005773935
ENSG00000160131	VMA21	4.853	-0.181	0.882	0.000869963	0.00579188
ENSG00000132321	IQCA1	3.520	-0.265	0.832	0.000870331	0.00579188
ENSG00000140043	PTGR2	3.504	-0.330	0.795	0.00087099	0.005792581
ENSG00000176641	RNF152	4.755	0.542	1.456	0.000871878	0.005794803
ENSG00000057935	MTA3	4.122	-0.232	0.852	0.000875795	0.005817146
ENSG00000079459	FDFT1	5.772	0.218	1.163	0.00087776	0.005825192
ENSG00000088808	PPP1R13B	4.203	-0.332	0.794	0.000878119	0.005825192
ENSG00000166562	SEC11C	4.466	0.328	1.256	0.000879627	0.005829955
ENSG00000187840	EIF4EBP1	3.709	0.597	1.512	0.000879951	0.005829955
ENSG00000169020	ATP5I	2.830	0.708	1.634	0.000888141	0.005880492
ENSG00000125703	ATG4C	3.566	-0.221	0.858	0.000889489	0.005885696
ENSG00000108010	GLRX3	4.225	0.327	1.255	0.00089705	0.005931977
ENSG00000144026	ZNF514	3.881	-0.335	0.793	0.000898159	0.005935562
ENSG00000005206	SPPL2B	5.292	0.188	1.139	0.000900664	0.005948363
ENSG00000106460	TMEM106B	5.891	-0.301	0.812	0.000913197	0.006027332
ENSG00000167552	TUBA1A	6.754	0.513	1.427	0.000917884	0.006054445
ENSG00000070423	RNF126	3.809	0.307	1.238	0.000921293	0.006073106
ENSG00000196963		4.142	-0.402	0.757	0.000923801	0.006085811
ENSG00000008710	PKD1	8.482	0.289	1.221	0.00092926	0.006117918
ENSG00000166770	ZNF667-AS1	3.821	-0.294	0.816	0.000935852	0.00615745
ENSG00000075426	FOSL2	6.569	0.395	1.315	0.000938189	0.006167015
ENSG00000137936	BCAR3	2.711	-0.377	0.770	0.000938484	0.006167015
ENSG00000123159	GIPC1	4.788	0.408	1.327	0.000942289	0.006185928
ENSG00000196189	SEMA4A	2.628	-0.453	0.730	0.000942544	0.006185928
ENSG00000140367	UBE2Q2	6.024	0.251	1.190	0.000944741	0.006196458
ENSG00000174718	KIAA1551	3.380	-0.382	0.768	0.000948957	0.006220213
ENSG00000149575	SCN2B	3.769	-0.432	0.741	0.000949897	0.006222479
ENSG00000255642	PABPC1P4	2.932	-0.311	0.806	0.000952762	0.006237346
ENSG00000197021	CXorf40B	4.476	0.264	1.201	0.000954196	0.006242825
ENSG00000164825	DEFB1	3.318	1.163	2.240	0.000961266	0.006285154
ENSG00000171813	PWWP2B	2.864	0.462	1.378	0.00096347	0.006295633
ENSG00000165028	NIPSNAP3B	3.115	-0.307	0.808	0.000966381	0.006310715
ENSG00000175416	CLTB	5.688	0.438	1.355	0.00096952	0.006327263
ENSG00000118579	MED28	4.306	-0.215	0.862	0.000971008	0.006333026
ENSG00000124216	SNAI1	5.410	-0.340	0.790	0.00098335	0.006409534
ENSG00000188599	NPIPP1	4.088	0.433	1.351	0.000988284	0.006437681
ENSG00000092054	MYH7	3.543	2.552	5.863	0.000991849	0.006453748
ENSG00000089327	FXVD5	7.678	0.396	1.316	0.000991983	0.006453748

ENSG0000063046	EIF4B	7.795	-0.223	0.857	0.001003827	0.006526749
ENSG00000177731	FLII	6.754	0.180	1.133	0.001007427	0.006546086
ENSG00000198517	MAFK	3.252	0.556	1.471	0.001011351	0.006566359
ENSG00000176102	CSTF3	3.601	-0.218	0.860	0.001011801	0.006566359
ENSG00000128833	MYO5C	3.305	-0.600	0.660	0.001012868	0.006569208
ENSG00000088970	KIZ	4.144	-0.242	0.846	0.001014687	0.006576933
ENSG00000169026	MFSD7	3.794	0.287	1.220	0.001018493	0.006597515
ENSG00000197296	FITM2	4.337	0.377	1.299	0.001021715	0.006614297
ENSG00000261713	SSTR5-AS1	4.071	0.383	1.304	0.00102839	0.006653389
ENSG00000204592	HLA-E	8.416	-0.355	0.782	0.001030123	0.006656787
ENSG00000119684	MLH3	4.216	-0.194	0.874	0.001030187	0.006656787
ENSG00000123983	ACSL3	5.940	-0.243	0.845	0.001032746	0.006669206
ENSG00000113552	GNPDA1	4.803	-0.188	0.878	0.001037733	0.006697282
ENSG00000133794	ARNTL	2.898	-0.400	0.758	0.001040618	0.006707666
ENSG00000164054	SHISA5	6.569	0.231	1.174	0.001040624	0.006707666
ENSG00000101152	DNAJC5	5.342	0.199	1.148	0.001045263	0.006733426
ENSG00000145388	METTL14	4.170	-0.233	0.851	0.0010495	0.006754728
ENSG00000182307	C8orf33	5.029	-0.231	0.852	0.001049861	0.006754728
ENSG00000197776	KLHDC1	3.680	-0.524	0.695	0.001056022	0.006790195
ENSG00000136856	SLC2A8	3.757	0.381	1.302	0.001062176	0.006821556
ENSG00000138670	RASGEF1B	2.829	0.555	1.469	0.001062203	0.006821556
ENSG00000115556	PLCD4	4.119	-0.266	0.832	0.001063798	0.006827615
ENSG00000112276	BVES	4.442	0.522	1.436	0.001066997	0.006842831
ENSG00000131634	TMEM204	5.443	-0.365	0.777	0.001067476	0.006842831
ENSG00000123136	DDX39A	4.369	0.346	1.271	0.00106859	0.006845775
ENSG00000177628	GBA	5.269	0.226	1.170	0.00107469	0.006880647
ENSG00000141568	FOKK2	4.662	0.203	1.151	0.001076439	0.006887629
ENSG00000137628	DDX60	2.666	-0.641	0.641	0.001079565	0.006900911
ENSG00000134575	ACP2	4.626	0.326	1.253	0.001080999	0.006900911
ENSG00000187531	SIRT7	3.328	0.335	1.261	0.001081124	0.006900911
ENSG00000123143	PKN1	6.154	0.354	1.278	0.001081152	0.006900911
ENSG00000170340	B3GNT2	3.010	0.589	1.504	0.00108204	0.006902373
ENSG00000122435	TRMT13	3.440	-0.317	0.803	0.00108852	0.006939481
ENSG00000076604	TRAF4	3.604	-0.378	0.769	0.001090318	0.006946712
ENSG00000124006	OBSL1	7.128	-0.313	0.805	0.001091296	0.006948711
ENSG00000185418	TARSL2	4.583	-0.231	0.852	0.001098054	0.006987498
ENSG00000152684	PELO	5.177	0.203	1.151	0.001099224	0.006990692
ENSG00000165029	ABCA1	3.406	-0.383	0.767	0.001104371	0.00701916
ENSG00000174886	NDUFA11	3.400	0.513	1.427	0.001105049	0.007019206
ENSG00000253293	HOXA10	3.940	-0.316	0.803	0.001116108	0.007085154
ENSG00000248124	RRN3P1	3.004	-0.372	0.773	0.001116981	0.007086397
ENSG00000107821	KAZALD1	4.949	0.379	1.300	0.001119074	0.007095375
ENSG00000107731	UNC5B	6.095	0.366	1.289	0.001125045	0.00712462
ENSG00000162009	SSTR5	4.281	0.334	1.261	0.001125047	0.00712462
ENSG00000124126	PREX1	6.730	-0.354	0.782	0.001128159	0.007140007
ENSG00000158042	MRPL17	5.923	0.336	1.263	0.001133132	0.007167144
ENSG00000178802	MPI	5.203	-0.263	0.834	0.001153164	0.007289443
ENSG00000157554	ERG	6.869	-0.351	0.784	0.001155774	0.007301532
ENSG00000198791	CNOT7	5.095	-0.233	0.851	0.001157726	0.007309453
ENSG00000149782	PLCB3	4.036	0.261	1.198	0.001161994	0.007327755
ENSG00000028839	TBPL1	4.061	0.272	1.208	0.001162044	0.007327755
ENSG00000144810	COL8A1	4.738	0.854	1.807	0.001162725	0.007327755

ENSG00000125384	PTGER2	3.865	0.415	1.333	0.001164686	0.0073357
ENSG00000077721	UBE2A	5.296	0.205	1.153	0.001169171	0.007359522
ENSG00000245958		3.645	-0.381	0.768	0.001177449	0.007407172
ENSG00000067177	PHKA1	3.697	-0.300	0.813	0.001184105	0.00744457
ENSG00000156973	PDE6D	3.383	0.293	1.225	0.001185606	0.007449534
ENSG00000136243	NUPL2	3.968	-0.186	0.879	0.001187492	0.00745691
ENSG00000214765	SEPT7P2	3.512	-0.267	0.831	0.001188924	0.007461426
ENSG00000104825	NFKBIB	4.059	0.361	1.284	0.001196091	0.007501206
ENSG00000137726	FXYD6	6.016	0.275	1.210	0.001197098	0.007501206
ENSG00000006744	ELAC2	4.802	0.195	1.145	0.001197413	0.007501206
ENSG00000197150	ABCB8	4.329	0.273	1.208	0.001200115	0.007513636
ENSG00000155252	PI4K2A	4.043	0.254	1.193	0.001207749	0.007556914
ENSG00000077549	CAPZB	7.001	0.396	1.316	0.001212059	0.00757935
ENSG00000184674		4.215	-0.367	0.775	0.001214789	0.007591885
ENSG00000004399	PLXND1	6.299	-0.276	0.826	0.001219795	0.007618626
ENSG00000163683	SMIM14	7.020	0.243	1.183	0.001223266	0.00763575
ENSG00000171867	PRNP	7.011	-0.166	0.891	0.00122499	0.007641951
ENSG00000161800	RACGAP1	2.705	0.372	1.294	0.001225876	0.007642284
ENSG00000183833	MAATS1	3.354	-0.467	0.723	0.00122703	0.007642284
ENSG00000129353	SLC44A2	7.652	-0.390	0.763	0.001227233	0.007642284
ENSG00000124107	SLPI	3.982	-1.176	0.442	0.001229924	0.007654484
ENSG00000159256	MORC3	4.681	-0.367	0.775	0.001231659	0.007660731
ENSG00000035687	ADSS	5.363	0.308	1.238	0.001234074	0.007671193
ENSG00000263753	LINC00667	5.071	-0.163	0.893	0.001235414	0.007674966
ENSG00000182372	CLN8	3.775	0.348	1.273	0.001237639	0.007684227
ENSG00000100379	KCTD17	3.944	0.370	1.292	0.00124051	0.007697487
ENSG00000171444	MCC	4.258	-0.446	0.734	0.001242649	0.00770619
ENSG00000144642	RBMS3	4.153	-0.394	0.761	0.001245583	0.007719813
ENSG00000167693	NXN	4.371	0.281	1.215	0.001251651	0.007752827
ENSG00000136457	CHAD	10.238	-0.586	0.666	0.001257968	0.007787347
ENSG00000188130	MAPK12	3.339	-0.494	0.710	0.001259409	0.00778795
ENSG00000083750	RRAGB	3.802	-0.237	0.848	0.001259553	0.00778795
ENSG00000150764	DIXDC1	7.170	0.483	1.397	0.001261542	0.007795645
ENSG00000171603	CLSTN1	8.068	0.254	1.192	0.001264092	0.007806791
ENSG00000164073	MFSD8	3.796	-0.272	0.828	0.001266619	0.007817788
ENSG00000079134	THOC1	4.902	-0.272	0.828	0.001268017	0.00782115
ENSG00000183508	FAM46C	4.354	-0.339	0.791	0.001268658	0.00782115
ENSG00000070718	AP3M2	3.035	-0.277	0.825	0.001271159	0.007831954
ENSG00000155115	GTF3C6	4.523	0.359	1.282	0.001272042	0.007832783
ENSG00000184207	PGP	2.653	0.557	1.471	0.001275768	0.007851108
ENSG00000108582	CPD	5.711	-0.339	0.790	0.00127746	0.007856902
ENSG00000028203	VEZT	5.159	-0.236	0.849	0.001282974	0.007886185
ENSG00000129911	KLF16	3.115	0.354	1.278	0.001286951	0.007902785
ENSG00000039523	FAM65A	4.838	0.278	1.212	0.001287185	0.007902785
ENSG00000247596	TWF2	3.810	0.617	1.534	0.001292969	0.007933358
ENSG00000166669	ATF7IP2	3.985	-0.296	0.815	0.00129368	0.007933358
ENSG00000172890	NADSYN1	5.234	0.201	1.149	0.001296308	0.007944817
ENSG00000051620	HEBP2	5.142	0.301	1.232	0.001302498	0.007978084
ENSG00000162692	VCAM1	7.978	-0.664	0.631	0.001305696	0.007992995
ENSG00000124615	MOCS1	3.312	-0.263	0.833	0.001310657	0.008018677
ENSG00000101019	UQCC1	4.461	-0.219	0.859	0.001314281	0.008036152
ENSG00000125877	ITPA	4.216	0.516	1.430	0.001326029	0.008103254

ENSG00000119599	DCAF4	2.981	0.240	1.181	0.001328099	0.008111169
ENSG00000117408	IPO13	4.348	0.230	1.173	0.001330262	0.008119639
ENSG00000186376	ZNF75D	3.699	-0.280	0.824	0.001332502	0.008128575
ENSG00000168476	REEP4	2.775	0.443	1.359	0.001339527	0.008166666
ENSG00000159147	DONSON	3.862	-0.278	0.825	0.001341063	0.008171271
ENSG00000115875	SRSF7	6.510	-0.199	0.871	0.001343472	0.008181189
ENSG00000134533	RERG	6.799	-0.342	0.789	0.001349355	0.008212237
ENSG00000167371	PRRT2	3.413	-0.314	0.804	0.001351002	0.008217484
ENSG00000204673	AKT1S1	5.363	0.257	1.195	0.001359021	0.008261461
ENSG00000156232	WHAMM	3.585	-0.210	0.865	0.001367592	0.008308734
ENSG00000143545	RAB13	6.267	0.428	1.346	0.001374393	0.008345212
ENSG00000196263	ZNF471	3.616	-0.465	0.725	0.001376104	0.008350758
ENSG00000120370	GORAB	4.149	-0.398	0.759	0.001378931	0.008363067
ENSG00000103091	WDR59	4.980	-0.233	0.851	0.00138617	0.008402098
ENSG00000099341	PSMD8	6.105	0.337	1.263	0.001389763	0.008419004
ENSG00000167771	RCOR2	3.028	-0.542	0.687	0.00139994	0.008475752
ENSG00000103540	CCP110	4.339	-0.387	0.765	0.001404623	0.008499186
ENSG00000136950	ARPC5L	4.047	0.353	1.277	0.001409116	0.008521445
ENSG00000143363	PRUNE1	4.221	-0.250	0.841	0.001416267	0.008559746
ENSG00000154727	GABPA	4.773	-0.250	0.841	0.001423296	0.008597268
ENSG00000197375	SLC22A5	3.344	-0.408	0.754	0.001424729	0.008600961
ENSG00000197579	TOPORS	4.084	-0.286	0.820	0.001429324	0.008623726
ENSG00000161204	ABCF3	5.101	0.168	1.124	0.001430817	0.008627763
ENSG00000003509	NDUFAF7	3.655	-0.204	0.868	0.001436653	0.008657962
ENSG00000069329	VPS35	5.911	-0.191	0.876	0.001441473	0.008682011
ENSG00000070614	NDST1	4.737	0.323	1.251	0.00145811	0.008777169
ENSG00000197905	TEAD4	3.049	0.406	1.325	0.001463174	0.008802588
ENSG00000145020	AMT	5.055	-0.341	0.790	0.001467191	0.008820273
ENSG00000121039	RDH10	2.941	0.355	1.279	0.001467799	0.008820273
ENSG00000160055	TMEM234	3.064	0.326	1.253	0.001473835	0.008851463
ENSG00000155016	CYP2U1	3.760	-0.322	0.800	0.001480992	0.008889347
ENSG00000105612	DNASE2	5.631	0.291	1.224	0.001485458	0.008901777
ENSG00000111875	ASF1A	3.481	-0.224	0.856	0.001485989	0.008901777
ENSG00000078070	MCCC1	3.851	-0.264	0.833	0.001486245	0.008901777
ENSG00000151090	THRB	5.587	-0.369	0.774	0.001486464	0.008901777
ENSG00000167657	DAPK3	4.661	0.350	1.275	0.001487764	0.008903907
ENSG00000182986	ZNF320	3.883	-0.306	0.809	0.001489314	0.008903907
ENSG00000146411	SLC2A12	3.999	0.686	1.609	0.001489372	0.008903907
ENSG00000104312	RIPK2	4.017	0.256	1.194	0.001493008	0.008920553
ENSG00000117758	STX12	4.735	-0.174	0.887	0.001494073	0.008921826
ENSG00000126934	MAP2K2	6.063	0.324	1.252	0.001496722	0.008929117
ENSG00000178951	ZBTB7A	4.844	0.240	1.181	0.001497	0.008929117
ENSG00000101191	DIDO1	5.592	-0.268	0.831	0.001498018	0.008930095
ENSG00000145439	CBR4	4.139	-0.256	0.837	0.001507759	0.00898305
ENSG00000129255	MPDU1	4.654	0.399	1.319	0.001508998	0.008985318
ENSG00000111596	CNOT2	5.321	-0.152	0.900	0.001515855	0.009021019
ENSG00000115738	ID2	8.228	0.528	1.442	0.001519674	0.009036038
ENSG00000074842	MYDGF	7.113	0.436	1.352	0.001520105	0.009036038
ENSG00000082146	STRADB	3.097	-0.281	0.823	0.001524584	0.009057517
ENSG00000011451	WIZ	4.626	0.198	1.147	0.001535447	0.009116301
ENSG00000116815	CD58	3.643	0.514	1.428	0.00153622	0.009116301
ENSG00000163913	IFT122	5.042	-0.290	0.818	0.001541623	0.009143181

ENSG00000121486	TRMT1L	4.356	-0.300	0.812	0.001546988	0.009169803
ENSG00000112079	STK38	4.629	0.253	1.192	0.001556439	0.009220604
ENSG00000121864	ZNF639	4.699	-0.202	0.869	0.001568268	0.009285427
ENSG00000196510	ANAPC7	4.479	0.228	1.171	0.001575346	0.009322057
ENSG00000169762	TAPT1	4.005	-0.253	0.839	0.001597536	0.009448027
ENSG00000172183	ISG20	4.439	0.376	1.298	0.001604245	0.009478118
ENSG00000167508	MVD	4.861	0.418	1.336	0.001604435	0.009478118
ENSG00000101194	SLC17A9	5.534	0.191	1.142	0.001613466	0.009526095
ENSG00000158747	NBL1	6.827	0.852	1.805	0.001622162	0.00956849
ENSG00000130600	H19	10.993	0.525	1.439	0.001622475	0.00956849
ENSG00000087076	HSD17B14	2.742	-0.523	0.696	0.001625865	0.009583085
ENSG00000167797	CDK2AP2	4.466	0.364	1.287	0.001634175	0.009623132
ENSG00000050393	MCUR1	3.784	0.231	1.174	0.001634498	0.009623132
ENSG00000169251	NMD3	5.547	-0.208	0.866	0.001636727	0.009630836
ENSG00000105341	ATP5SL	3.933	0.203	1.151	0.001659753	0.009760841
ENSG00000219481	NBPF1	5.873	-0.325	0.798	0.001661583	0.009766114
ENSG00000100462	PRMT5	3.502	-0.374	0.772	0.001672259	0.009823349
ENSG00000164066	INTU	4.609	-0.502	0.706	0.001677495	0.009848583
ENSG00000168876	ANKRD49	2.964	-0.293	0.816	0.001683305	0.009877151
ENSG00000144791	LIMD1	4.079	-0.278	0.825	0.001684938	0.009880975
ENSG00000133619	KRBA1	4.019	-0.256	0.838	0.001685845	0.009880975
ENSG00000141741	MIEN1	3.288	0.527	1.441	0.001694337	0.009925192
ENSG00000099860	GADD45B	6.694	0.539	1.453	0.001700783	0.009957329
ENSG00000085998	POMGNT1	5.878	0.196	1.145	0.001701725	0.009957329
ENSG00000260565	ERVK13-1	3.187	-0.369	0.775	0.001707947	0.009988148
ENSG00000133858	ZFC3H1	4.963	-0.319	0.802	0.001709213	0.009989974
ENSG00000175066	GK5	4.077	-0.463	0.726	0.001718173	0.010036738
ENSG00000100014	SPECC1L	4.378	0.161	1.118	0.001720228	0.010042117
ENSG00000085721	RRN3	4.949	-0.255	0.838	0.001721042	0.010042117
ENSG00000152217	SETBP1	5.018	-0.504	0.705	0.001721972	0.010042117
ENSG00000111276	CDKN1B	5.165	-0.317	0.803	0.001725504	0.010057112
ENSG00000166340	TPP1	6.177	-0.195	0.874	0.001733334	0.010091135
ENSG00000132361	CLUH	4.414	0.238	1.179	0.001733783	0.010091135
ENSG00000180818	HOXC10	5.517	-0.215	0.862	0.001734233	0.010091135
ENSG00000055732	MCOLN3	4.506	0.395	1.315	0.001741769	0.010127226
ENSG00000167645	YIF1B	5.362	0.327	1.254	0.001742371	0.010127226
ENSG00000198954	KIF1BP	5.221	-0.253	0.839	0.001745035	0.010137084
ENSG00000119004	CYP20A1	3.569	0.272	1.207	0.001760962	0.010223931
ENSG00000170275	CRTAP	8.844	-0.225	0.855	0.001762735	0.010227053
ENSG00000106565	TMEM176B	3.722	-1.078	0.474	0.001763453	0.010227053
ENSG00000124380	SNRNP27	3.778	-0.227	0.855	0.001765171	0.010231347
ENSG00000144233	AMMECR1L	4.350	0.258	1.196	0.001768918	0.010242269
ENSG00000166478	ZNF143	3.331	-0.231	0.852	0.001769013	0.010242269
ENSG00000198830	HMG2	6.194	-0.262	0.834	0.001777046	0.010283094
ENSG00000151229	SLC2A13	3.324	-0.360	0.779	0.001788685	0.010344728
ENSG00000197258	EIF4BP6	4.300	-0.246	0.843	0.0017916	0.010355863
ENSG00000109466	KLHL2	4.107	0.297	1.229	0.001795085	0.010370282
ENSG00000225138		2.864	-0.503	0.706	0.001798323	0.010383257
ENSG00000146112	PPP1R18	5.310	0.251	1.190	0.001800737	0.010391464
ENSG00000134884	ARGLU1	6.443	-0.214	0.862	0.001808275	0.010429214
ENSG00000074047	GLI2	3.635	-0.434	0.740	0.001816024	0.010468138
ENSG00000109046	WSB1	7.541	-0.392	0.762	0.001820297	0.010486994

ENSG00000136754	ABI1	5.344	0.233	1.176	0.001832762	0.010553001
ENSG00000178537	SLC25A20	3.415	0.268	1.204	0.001835734	0.010564302
ENSG00000134874	DZIP1	5.124	-0.253	0.839	0.00183962	0.010580845
ENSG00000173918	C1QTNF1	5.529	0.752	1.685	0.001846761	0.010616087
ENSG00000179454	KLHL28	3.977	-0.389	0.763	0.001870216	0.010745018
ENSG00000135930	EIF4E2	5.525	0.233	1.175	0.001873518	0.010755511
ENSG00000105538	RASIP1	2.701	0.571	1.486	0.001874097	0.010755511
ENSG00000063241	ISOC2	4.967	0.479	1.394	0.001880125	0.010784193
ENSG00000182117	NOP10	5.070	0.462	1.377	0.00188831	0.010825206
ENSG00000172725	CORO1B	5.163	0.304	1.234	0.001893192	0.010847164
ENSG00000168701	TMEM208	4.706	0.421	1.339	0.001894212	0.010847164
ENSG00000101104	PABPC1L	4.246	-0.364	0.777	0.001896414	0.010853834
ENSG00000112208	BAG2	3.682	0.373	1.295	0.001900681	0.01087231
ENSG00000121073	SLC35B1	5.237	0.280	1.214	0.00190601	0.010896837
ENSG00000143507	DUSP10	2.715	-0.425	0.745	0.001912129	0.010925853
ENSG00000184967	NOC4L	3.153	0.409	1.328	0.001916588	0.010945358
ENSG00000204186	ZDBF2	4.067	-0.586	0.666	0.001918715	0.01095153
ENSG00000196072	BLOC1S2	5.067	0.267	1.203	0.001926671	0.010990949
ENSG00000157625	TAB3	3.994	-0.411	0.752	0.001928528	0.010995552
ENSG00000119185	ITGB1BP1	5.860	0.266	1.202	0.001933537	0.011018108
ENSG00000072609	CHFR	3.904	0.229	1.172	0.001937172	0.011032817
ENSG00000160285	LSS	5.658	0.171	1.126	0.001940425	0.011045335
ENSG00000013306	SLC25A39	5.534	0.292	1.224	0.001945249	0.011066776
ENSG00000125430	HS3ST3B1	3.471	-0.574	0.672	0.001950529	0.011090786
ENSG00000141349	G6PC3	4.890	0.301	1.232	0.001954085	0.011104974
ENSG00000106415	GLCCI1	3.999	-0.346	0.787	0.001958152	0.01112205
ENSG00000149577	SIDT2	5.815	-0.287	0.820	0.001968393	0.011174153
ENSG00000175575	PAAF1	4.100	-0.262	0.834	0.001986037	0.011268204
ENSG00000160323	ADAMTS13	3.363	-0.324	0.799	0.001993338	0.011298483
ENSG00000143578	CREB3L4	3.765	-0.282	0.822	0.001993533	0.011298483
ENSG00000001461	NIPAL3	4.233	0.425	1.342	0.00199487	0.011299947
ENSG00000127415	IDUA	4.534	0.342	1.267	0.002002638	0.011337813
ENSG00000140526	ABHD2	7.015	0.636	1.554	0.002006504	0.011353557
ENSG00000163785	RYK	6.232	-0.243	0.845	0.002025655	0.011455729
ENSG00000114395	CYB561D2	3.615	0.406	1.325	0.002046935	0.011569827
ENSG00000163714	U2SURP	6.378	-0.306	0.809	0.002048462	0.011572205
ENSG00000004059	ARF5	5.121	0.306	1.236	0.002057649	0.011612276
ENSG00000158987	RAPGEF6	2.819	-0.234	0.850	0.002058156	0.011612276
ENSG00000156535	CD109	8.222	0.425	1.342	0.002059392	0.011612276
ENSG00000163873	GRIK3	3.625	0.625	1.542	0.002060176	0.011612276
ENSG00000131013	PPIL4	4.525	-0.248	0.842	0.002061101	0.011612276
ENSG00000083838	ZNF446	2.654	-0.277	0.825	0.002077581	0.011698828
ENSG00000153558	FBXL2	3.707	-0.273	0.827	0.002082869	0.0117223
ENSG00000140382	HMG20A	5.098	-0.259	0.836	0.002094247	0.011776806
ENSG00000131620	ANO1	5.185	0.435	1.352	0.002094804	0.011776806
ENSG00000222009	BTBD19	4.471	0.455	1.371	0.002104152	0.011823009
ENSG00000134086	VHL	4.498	-0.297	0.814	0.002110857	0.011854321
ENSG00000158286	RNF207	4.000	-0.338	0.791	0.002114004	0.011865624
ENSG00000204178	TMEM57	4.853	0.195	1.145	0.002122123	0.011904812
ENSG00000153029	MR1	5.221	-0.190	0.876	0.002130925	0.01194779
ENSG00000143756	FBXO28	4.705	-0.214	0.862	0.002136811	0.011974377
ENSG00000142856	ITGB3BP	3.685	-0.214	0.862	0.002140457	0.011988389

ENSG00000169083	AR	4.072	-0.472	0.721	0.00214311	0.011996833
ENSG00000079739	PGM1	7.167	0.233	1.176	0.002145408	0.012003279
ENSG00000164329	PAPD4	5.173	-0.194	0.874	0.00214785	0.012010522
ENSG00000109738	GLRB	3.162	0.433	1.350	0.002155666	0.01204274
ENSG00000184402	SS18L1	4.211	-0.262	0.834	0.002155913	0.01204274
ENSG00000198728	LDB1	5.694	-0.338	0.791	0.002180891	0.012175769
ENSG00000107938	EDRF1	3.526	-0.264	0.833	0.002197217	0.012260376
ENSG00000134247	PTGFRN	5.925	-0.310	0.807	0.0022092	0.012320672
ENSG00000164096	C4orf3	7.671	-0.253	0.839	0.002212549	0.012332782
ENSG00000166394	CYB5R2	3.306	0.226	1.170	0.00222529	0.012397197
ENSG00000109323	MANBA	5.643	-0.172	0.887	0.002233046	0.012433791
ENSG00000147130	ZMYM3	4.468	-0.254	0.838	0.002256332	0.012556772
ENSG00000008283	CYB561	4.695	0.209	1.156	0.002258159	0.012560257
ENSG00000139163	ETNK1	5.373	-0.268	0.831	0.002261847	0.012570836
ENSG00000109452	INPP4B	2.913	0.468	1.383	0.002262462	0.012570836
ENSG00000163590	PPM1L	3.152	-0.390	0.763	0.002267368	0.012591409
ENSG00000065485	PDIA5	5.426	0.261	1.198	0.002272776	0.012614748
ENSG00000167617	CDC42EP5	4.851	0.323	1.251	0.002274101	0.012615418
ENSG00000178988	MRFAP1L1	5.588	-0.176	0.885	0.002278154	0.012631204
ENSG00000142227	EMP3	7.542	0.465	1.380	0.00228476	0.012661125
ENSG00000257621	PSMA3-AS1	5.143	-0.252	0.840	0.002298845	0.012732441
ENSG00000168906	MAT2A	5.943	-0.459	0.728	0.00230754	0.012773839
ENSG00000148690	FRA10AC1	4.843	-0.256	0.837	0.002318381	0.012817987
ENSG00000115935	WIPF1	6.059	0.297	1.229	0.002318479	0.012817987
ENSG00000125991	ERGIC3	7.529	0.288	1.221	0.002319189	0.012817987
ENSG00000177283	FZD8	7.099	-0.254	0.839	0.002321874	0.012826057
ENSG00000106991	ENG	6.933	0.340	1.265	0.002323496	0.012828247
ENSG00000180398	MCFD2	6.772	-0.245	0.844	0.002325679	0.012833532
ENSG00000163931	TKT	5.717	0.223	1.167	0.00233664	0.012880001
ENSG00000174775	HRAS	4.313	0.491	1.406	0.002337127	0.012880001
ENSG00000197070	ARRDC1	3.445	0.291	1.223	0.002337791	0.012880001
ENSG00000105723	GSK3A	4.694	0.198	1.147	0.002344236	0.012908712
ENSG00000126214	KLC1	4.419	0.261	1.198	0.002349151	0.012924519
ENSG00000103174	NAGPA	3.056	0.337	1.263	0.002349576	0.012924519
ENSG00000136710	CCDC115	4.580	-0.217	0.860	0.002354255	0.012943457
ENSG00000124155	PIGT	7.476	0.252	1.191	0.002370941	0.013028351
ENSG00000135093	USP30	3.648	-0.228	0.854	0.002375667	0.013047473
ENSG00000135899	SP110	3.378	-0.313	0.805	0.002377196	0.013049026
ENSG00000138166	DUSP5	3.111	0.789	1.728	0.002379895	0.013056991
ENSG00000164291	ARSK	3.273	-0.271	0.829	0.002385727	0.013082134
ENSG00000244879	GABPB1-AS1	3.105	-0.385	0.766	0.002389658	0.013093886
ENSG00000137871	ZNF280D	5.812	-0.300	0.812	0.002390372	0.013093886
ENSG00000152661	GJA1	7.790	0.524	1.438	0.002391738	0.013094513
ENSG00000118197	DDX59	4.156	-0.241	0.846	0.002400524	0.013135748
ENSG00000139514	SLC7A1	4.582	0.476	1.391	0.002408868	0.013174518
ENSG00000130158	DOCK6	4.138	0.242	1.182	0.002440669	0.013341477
ENSG00000108387	SEPT4	2.777	-0.536	0.689	0.002445812	0.013362611
ENSG00000180228	PRKRA	5.045	0.162	1.119	0.002450909	0.013383473
ENSG00000175826	CTDNEP1	5.253	0.362	1.285	0.002454415	0.013395628
ENSG00000133624	ZNF767P	3.488	-0.273	0.828	0.002462179	0.013425385
ENSG00000240849	TMEM189	3.745	0.369	1.291	0.002462432	0.013425385
ENSG00000035403	VCL	6.063	0.311	1.241	0.002473037	0.013476187

ENSG00000133872	SARAF	7.834	0.185	1.137	0.002482788	0.013522282
ENSG00000141759	TXNL4A	5.063	0.439	1.356	0.002486469	0.013535286
ENSG00000065268	WDR18	3.689	0.402	1.321	0.002488497	0.013539289
ENSG00000170464	DNAJC18	3.704	-0.209	0.865	0.002511212	0.013655777
ENSG00000197930	ERO1A	5.437	0.328	1.255	0.002515969	0.013671648
ENSG00000140983	RHOT2	5.869	0.273	1.208	0.002516743	0.013671648
ENSG00000130598	TNNI2	2.864	1.114	2.165	0.002523679	0.013702218
ENSG00000116237	ICMT	5.583	0.260	1.198	0.002526994	0.013713103
ENSG00000107819	SFXN3	6.148	0.177	1.131	0.002546308	0.013810753
ENSG00000137955	RABGGTB	5.459	0.209	1.156	0.00257124	0.013938757
ENSG00000064309	CDON	8.111	0.500	1.414	0.002574418	0.01394876
ENSG00000140545	MFGE8	9.474	0.309	1.239	0.002577435	0.013954009
ENSG00000073792	IGF2BP2	3.244	0.325	1.252	0.002578052	0.013954009
ENSG00000110171	TRIM3	3.524	0.238	1.180	0.002613647	0.01413936
ENSG00000120253	NUP43	4.103	-0.253	0.839	0.002615048	0.014139627
ENSG00000154783	FGD5	4.734	0.307	1.237	0.002616837	0.014141996
ENSG00000243147	MRPL33	5.434	0.358	1.281	0.00262217	0.014163507
ENSG00000140682	TGFB1I1	5.146	0.246	1.186	0.00263783	0.014240747
ENSG00000143549	TPM3	6.702	0.248	1.188	0.002639986	0.01424504
ENSG00000105520	PLPPR2	5.213	0.194	1.144	0.0026552	0.014319752
ENSG00000177981	ASB8	4.514	-0.160	0.895	0.002657571	0.014325159
ENSG00000164713	BRI3	5.590	0.458	1.374	0.002659345	0.014327343
ENSG00000087301	TXNDC16	2.950	-0.351	0.784	0.002661612	0.014332179
ENSG00000125398	SOX9	7.757	-0.267	0.831	0.002678212	0.014414152
ENSG00000077157	PPP1R12B	4.025	-0.347	0.786	0.002679916	0.014415908
ENSG00000167380	ZNF226	3.757	-0.309	0.807	0.002681773	0.014418489
ENSG00000135617	PRADC1	3.867	0.446	1.362	0.002699962	0.01450883
ENSG00000155970	MICU3	2.980	-0.531	0.692	0.002708416	0.014546792
ENSG00000183346	C10orf107	3.362	-0.270	0.830	0.002717466	0.014587914
ENSG00000139625	MAP3K12	4.028	-0.281	0.823	0.002725348	0.01462273
ENSG00000157617	C2CD2	5.666	0.379	1.300	0.002756291	0.014781173
ENSG00000102753	KPNA3	4.423	0.291	1.224	0.002761394	0.014800957
ENSG00000148737	TCF7L2	5.059	0.215	1.161	0.002766187	0.01481906
ENSG00000164366	CCDC127	4.658	0.191	1.142	0.002770319	0.014833607
ENSG00000162840	MT2P1	6.425	0.645	1.564	0.002778231	0.014868363
ENSG00000230487	PSMG3-AS1	3.182	-0.309	0.807	0.0027831	0.014885384
ENSG00000133687	TMTC1	6.724	-0.587	0.666	0.002784255	0.014885384
ENSG00000181817	LSM10	4.474	0.344	1.269	0.002805654	0.01499213
ENSG00000157181	C1orf27	4.846	-0.180	0.882	0.002811248	0.015014358
ENSG00000138381	ASNSD1	5.125	-0.156	0.898	0.002820107	0.015053995
ENSG00000118246	FASTKD2	4.099	-0.192	0.875	0.002826333	0.015079539
ENSG00000139624	CERS5	5.718	0.215	1.160	0.002837109	0.015129322
ENSG00000132716	DCAF8	5.686	-0.223	0.857	0.002841719	0.015146191
ENSG00000104856	RELB	2.726	0.550	1.464	0.002853572	0.015201623
ENSG00000124212	PTGIS	5.690	0.421	1.339	0.002860257	0.015229484
ENSG00000163257	DCAF16	4.307	-0.307	0.809	0.002867802	0.015261895
ENSG00000134762	DSC3	3.984	1.179	2.264	0.002882686	0.01533331
ENSG00000100300	TSPO	7.252	0.485	1.399	0.002892234	0.015371591
ENSG00000105429	MEGF8	5.716	0.198	1.147	0.002894283	0.015371591
ENSG00000177406		3.001	-0.269	0.830	0.002894288	0.015371591
ENSG00000129235	TXNDC17	4.078	0.446	1.362	0.00289639	0.015374954
ENSG00000162576	MXRA8	8.741	0.289	1.222	0.002898797	0.01537769

ENSG00000168077	SCARA3	9.762	-0.299	0.813	0.002899843	0.01537769
ENSG00000235217	TSPY26P	3.514	-0.244	0.845	0.002902044	0.015381566
ENSG00000159216	RUNX1	7.300	0.287	1.220	0.002908164	0.015389836
ENSG00000139926	FRMD6	5.681	0.438	1.355	0.002908173	0.015389836
ENSG00000029153	ARNTL2	3.110	0.741	1.672	0.002908977	0.015389836
ENSG00000197358	BNIP3P1	3.993	-0.412	0.751	0.00290993	0.015389836
ENSG00000116649	SRM	5.810	0.326	1.253	0.002910955	0.015389836
ENSG00000092096	SLC22A17	6.870	0.280	1.214	0.00291521	0.01540455
ENSG00000235587	GAPDHP65	4.205	0.292	1.224	0.002918724	0.01541534
ENSG00000126001	CEP250	5.100	-0.223	0.857	0.002925098	0.015437661
ENSG00000147601	TERF1	4.751	-0.214	0.862	0.0029259	0.015437661
ENSG00000120324	PCDHB10	2.777	-0.346	0.787	0.002930099	0.015442039
ENSG00000155366	RHOC	6.862	0.433	1.350	0.002931332	0.015442039
ENSG00000155368	DBI	5.784	0.408	1.327	0.002931534	0.015442039
ENSG00000124172	ATP5E	6.894	0.585	1.500	0.00293263	0.015442039
ENSG00000111790	FGFR1OP2	5.516	-0.207	0.867	0.002954761	0.01555075
ENSG00000146938	NLGN4X	2.903	-0.806	0.572	0.002962197	0.015582051
ENSG00000143320	CRABP2	4.059	0.808	1.751	0.00296426	0.015585068
ENSG00000153443	UBALD1	3.168	0.338	1.264	0.002967198	0.015592687
ENSG00000103145	HCFC1R1	6.027	0.569	1.484	0.002980765	0.01565612
ENSG00000127445	PIN1	4.419	0.383	1.304	0.00299153	0.015704783
ENSG00000173848	NET1	6.945	-0.239	0.847	0.002995896	0.015719819
ENSG00000143771	CNIH4	4.967	0.190	1.141	0.002997906	0.015722484
ENSG00000198736	MSRB1	4.166	0.265	1.201	0.00300741	0.015764433
ENSG00000174579	MSL2	4.620	-0.246	0.843	0.003019258	0.015818617
ENSG00000198551	ZNF627	3.093	-0.296	0.815	0.00302748	0.015853758
ENSG00000139579	NABP2	4.550	0.270	1.205	0.003033396	0.015869848
ENSG00000153956	CACNA2D1	3.685	-0.388	0.764	0.003033585	0.015869848
ENSG00000175602	CCDC85B	4.023	0.659	1.579	0.003040181	0.015892313
ENSG00000118402	ELOVL4	4.009	0.272	1.208	0.003041796	0.015892313
ENSG00000113460	BRIX1	3.990	-0.216	0.861	0.003042755	0.015892313
ENSG00000128805	ARHGAP22	4.082	0.413	1.331	0.003043952	0.015892313
ENSG00000120696	KBTBD7	3.919	-0.295	0.815	0.00306372	0.015987549
ENSG00000132507	EIF5A	6.319	0.368	1.290	0.003067604	0.01599984
ENSG00000198513	ATL1	3.228	-0.484	0.715	0.003070642	0.016000471
ENSG00000002330	BAD	2.871	0.513	1.427	0.003071904	0.016000471
ENSG00000124159	MATN4	4.939	-1.520	0.349	0.003072311	0.016000471
ENSG00000168405	CMAHP	6.397	-0.348	0.785	0.003080282	0.016030912
ENSG00000179523	EIF3J-AS1	3.876	-0.261	0.834	0.003081218	0.016030912
ENSG00000140854	KATNB1	3.655	0.245	1.185	0.003082821	0.016031284
ENSG00000154736	ADAMTS5	5.247	0.514	1.428	0.003092526	0.016073766
ENSG00000196950	SLC39A10	3.626	-0.277	0.825	0.003104537	0.016128183
ENSG00000115252	PDE1A	3.293	-0.809	0.571	0.003115209	0.016175602
ENSG00000081665	ZNF506	3.329	-0.279	0.824	0.003132855	0.016259159
ENSG00000176463	SLCO3A1	4.048	0.292	1.224	0.003135299	0.016263781
ENSG00000133131	MORC4	5.150	0.304	1.235	0.003141476	0.016287753
ENSG00000166900	STX3	2.672	-0.305	0.809	0.00315387	0.016343914
ENSG00000156042	CFAP70	3.326	-0.648	0.638	0.003171154	0.016418269
ENSG00000172086	KRCC1	5.156	-0.226	0.855	0.003171629	0.016418269
ENSG00000113296	THBS4	7.842	-0.840	0.559	0.003172923	0.016418269
ENSG00000083535	PIBF1	3.975	-0.268	0.830	0.003176189	0.016427048
ENSG00000076043	REXO2	6.166	0.215	1.161	0.003179552	0.01643632

ENSG00000172716	SLFN11	3.655	0.409	1.327	0.00318742	0.01646886
ENSG00000156170	NDUF6F6	2.600	-0.270	0.829	0.003194688	0.016496312
ENSG00000166260	COX11	4.903	-0.162	0.894	0.003195901	0.016496312
ENSG00000177700	POLR2L	5.676	0.567	1.481	0.003198006	0.016496312
ENSG00000143512	HHIPL2	6.814	0.245	1.185	0.003199036	0.016496312
ENSG00000175105	ZNF654	4.242	-0.272	0.828	0.003202415	0.016497957
ENSG00000106392	C1GALT1	4.560	0.412	1.330	0.003202507	0.016497957
ENSG00000138138	ATAD1	5.195	-0.194	0.874	0.003204659	0.01650092
ENSG00000197780	TAF13	4.472	0.254	1.193	0.003207136	0.016505553
ENSG00000122257	RBBP6	5.973	-0.262	0.834	0.003216518	0.016545705
ENSG00000120458	MSANTD2	3.635	-0.346	0.787	0.003222744	0.016562049
ENSG00000178741	COX5A	4.753	0.396	1.316	0.003222859	0.016562049
ENSG00000259623		3.674	-0.218	0.860	0.003234774	0.016615119
ENSG00000260807		5.572	-0.407	0.754	0.003241519	0.016641599
ENSG00000145861	C1QTNF2	3.311	0.728	1.656	0.003249527	0.016674536
ENSG00000179152	TCAIM	2.930	0.257	1.195	0.003268109	0.016761667
ENSG00000214182	PTMAP5	4.238	0.235	1.177	0.003283064	0.01682954
ENSG00000058729	RIOK2	4.231	-0.190	0.876	0.003284558	0.01682954
ENSG00000173267	SNCG	3.249	-0.520	0.697	0.003294158	0.016870471
ENSG00000119242	CCDC92	4.020	0.185	1.137	0.003297772	0.016880721
ENSG00000181523	SGSH	4.763	-0.214	0.862	0.00330064	0.016887146
ENSG00000077585	GPR137B	4.116	0.235	1.177	0.003321738	0.016986787
ENSG00000158092	NCK1	4.020	-0.288	0.819	0.003326887	0.017004813
ENSG00000137460	FHDC1	3.175	-0.493	0.711	0.003330619	0.017015576
ENSG00000047188	YTHDC2	4.550	-0.334	0.793	0.003334955	0.01702942
ENSG00000111450	STX2	4.399	0.243	1.184	0.00333721	0.017032627
ENSG00000136731	UGGT1	5.946	0.260	1.197	0.00334671	0.017072788
ENSG00000117682	DHDDS	4.536	0.168	1.123	0.003352215	0.01709254
ENSG00000152382	TADA1	3.053	-0.289	0.818	0.003361649	0.017132298
ENSG00000100345	MYH9	7.907	0.288	1.221	0.003367015	0.017151295
ENSG00000102871	TRADD	4.018	0.339	1.265	0.003370276	0.017153369
ENSG00000100201	DDX17	9.055	-0.339	0.791	0.003370699	0.017153369
ENSG00000151876	FBXO4	3.516	-0.226	0.855	0.003379403	0.017189303
ENSG00000178053	MLF1	3.650	0.282	1.216	0.003383813	0.017203375
ENSG00000173914	RBM4B	3.647	-0.216	0.861	0.003393781	0.017240538
ENSG00000131171	SH3BGRL	6.570	-0.171	0.888	0.003394416	0.017240538
ENSG00000182473	EXOC7	5.472	-0.231	0.852	0.003408679	0.017304582
ENSG00000163412	EIF4E3	4.866	-0.243	0.845	0.003423778	0.017362665
ENSG00000147364	FBXO25	3.441	0.271	1.206	0.003424669	0.017362665
ENSG00000177192	PUS1	3.043	0.370	1.293	0.003425182	0.017362665
ENSG00000154734	ADAMTS1	5.966	0.543	1.457	0.003426754	0.017362665
ENSG00000143570	SLC39A1	6.720	0.172	1.126	0.003456512	0.01748556
ENSG00000126062	TMEM115	4.519	0.288	1.221	0.003459525	0.01748556
ENSG00000105185	PDCD5	5.047	0.308	1.238	0.003459946	0.01748556
ENSG00000224546	EIF4BP3	2.914	-0.345	0.787	0.003461018	0.01748556
ENSG00000156873	PHKG2	4.118	0.357	1.281	0.003462145	0.01748556
ENSG00000245694	CRNDE	3.456	0.437	1.354	0.003462271	0.01748556
ENSG00000182154	MRPL41	4.026	0.557	1.471	0.003462702	0.01748556
ENSG00000101474	APMAP	5.522	-0.181	0.882	0.003471347	0.017520761
ENSG00000167842	MIS12	4.188	-0.195	0.873	0.003481679	0.017564442
ENSG00000173566		2.883	0.486	1.401	0.003486772	0.017581663
ENSG00000102738	MRPS31	3.685	-0.257	0.837	0.003489765	0.017588282

ENSG00000178252	WDR6	6.342	-0.323	0.799	0.003498126	0.017621938
ENSG00000130147	SH3BP4	3.522	-0.277	0.825	0.003516996	0.017708471
ENSG00000172375	C2CD2L	3.187	0.255	1.193	0.003523535	0.017732866
ENSG0000019485	PRDM11	2.590	-0.375	0.771	0.00353217	0.017767781
ENSG00000128928	IVD	5.326	-0.159	0.896	0.003534327	0.017770095
ENSG00000121057	AKAP1	4.737	-0.274	0.827	0.003541507	0.017797645
ENSG00000211459	MT-RNR1	9.969	0.562	1.476	0.003555768	0.017860738
ENSG00000103121	CMC2	2.651	0.426	1.343	0.003569571	0.017917282
ENSG00000136144	RCBTB1	3.802	-0.276	0.826	0.003570448	0.017917282
ENSG00000113658	SMAD5	5.276	-0.341	0.790	0.003575255	0.017926291
ENSG00000135974	C2orf49	4.389	-0.238	0.848	0.003575668	0.017926291
ENSG00000161091	MFSD12	3.657	0.337	1.263	0.003585042	0.017964682
ENSG00000146842	TMEM209	4.088	-0.207	0.866	0.00358719	0.017966846
ENSG00000170004	CHD3	6.776	0.173	1.127	0.003614611	0.018095527
ENSG00000101825	MXRA5	8.411	0.577	1.491	0.00362073	0.018117497
ENSG00000185043	CIB1	6.101	0.405	1.324	0.003623644	0.018122362
ENSG00000128915	ICE2	4.603	-0.249	0.842	0.003625165	0.018122362
ENSG00000167378	IRGQ	4.191	0.269	1.205	0.003627164	0.0181237
ENSG00000113916	BCL6	7.439	-0.393	0.762	0.003647794	0.018218086
ENSG00000205364	MT1M	5.749	0.605	1.521	0.003665823	0.018289111
ENSG00000145685	LHFPL2	5.824	0.341	1.266	0.003666256	0.018289111
ENSG00000197217	ENTPD4	5.222	0.287	1.220	0.003667257	0.018289111
ENSG00000138942	RNF185	4.483	-0.159	0.896	0.003685025	0.018368913
ENSG00000095066	HOOK2	5.919	0.271	1.206	0.003686768	0.018368913
ENSG00000134759	ELP2	6.013	-0.173	0.887	0.003700902	0.018430565
ENSG00000136842	TMOD1	3.094	0.542	1.456	0.003708378	0.018459012
ENSG00000081154	PCNP	6.960	-0.185	0.879	0.003718487	0.018500535
ENSG00000153140	CETN3	3.791	-0.241	0.846	0.003728291	0.018540501
ENSG00000135968	GCC2	5.212	-0.369	0.774	0.003732253	0.018551387
ENSG00000168067	MAP4K2	3.328	0.211	1.157	0.003742742	0.01858991
ENSG00000196458	ZNF605	3.749	-0.292	0.817	0.003743555	0.01858991
ENSG00000137845	ADAM10	5.140	0.226	1.169	0.003746501	0.018595718
ENSG00000137310	TCF19	3.718	-0.241	0.846	0.003757704	0.018642486
ENSG00000115762	PLEKHB2	4.935	0.213	1.159	0.003761956	0.018654742
ENSG00000034713	GABARAPL2	7.432	0.220	1.165	0.003770684	0.018689167
ENSG00000100744	GSKIP	3.362	0.227	1.171	0.003781048	0.018731666
ENSG00000224594	RPL29P19	3.278	-0.502	0.706	0.003784519	0.018739995
ENSG00000145494	NDUFS6	4.481	0.513	1.427	0.003826926	0.018941024
ENSG00000163815	CLEC3B	5.519	0.952	1.934	0.003851398	0.019053134
ENSG00000109689	STIM2	3.439	-0.199	0.871	0.003871485	0.019143461
ENSG00000256269	HMBS	3.292	0.374	1.296	0.003882461	0.019188669
ENSG00000203879	GDI1	6.829	0.168	1.124	0.003887303	0.019203532
ENSG00000007202	KIAA0100	5.565	0.258	1.196	0.003899101	0.019252729
ENSG00000129038	LOXL1	4.456	0.715	1.642	0.003910145	0.019298162
ENSG00000166685	COG1	4.573	-0.256	0.837	0.003918416	0.019329868
ENSG00000146350	TBC1D32	3.143	-0.421	0.747	0.003934028	0.019391095
ENSG00000064195	DLX3	3.965	0.475	1.390	0.003934532	0.019391095
ENSG00000123552	USP45	2.925	-0.340	0.790	0.003956877	0.019492044
ENSG00000142694	EVA1B	4.486	0.580	1.494	0.003985754	0.019625058
ENSG00000171307	ZDHHC16	4.286	0.177	1.130	0.003991701	0.019640039
ENSG00000166348	USP54	3.184	-0.304	0.810	0.003992549	0.019640039
ENSG00000168994	PXDC1	5.443	0.219	1.164	0.003995554	0.019645588

ENSG00000156052	GNAQ	5.090	0.246	1.186	0.00400906	0.01970274
ENSG00000138078	PREPL	5.239	-0.264	0.833	0.004022803	0.019761005
ENSG00000076716	GPC4	2.697	0.813	1.756	0.004027951	0.019769626
ENSG00000075415	SLC25A3	7.613	0.235	1.177	0.004028335	0.019769626
ENSG00000026025	VIM	10.890	0.330	1.257	0.004044581	0.019837267
ENSG00000163517	HDAC11	4.098	-0.296	0.814	0.004047054	0.019837267
ENSG00000118369	USP35	3.648	0.246	1.186	0.004047803	0.019837267
ENSG00000177853	ZNF518A	4.354	-0.436	0.739	0.00405346	0.019855697
ENSG00000040531	CTNS	3.124	0.230	1.173	0.004057055	0.01986401
ENSG00000143543	JTB	6.987	0.329	1.256	0.004068645	0.019911443
ENSG00000078043	PIAS2	4.085	-0.229	0.853	0.004076895	0.019942495
ENSG00000094880	CDC23	4.051	-0.223	0.857	0.004080315	0.019949898
ENSG00000164647	STEAP1	5.416	0.299	1.230	0.00408901	0.019983079
ENSG00000180233	ZNRF2	2.702	-0.279	0.824	0.004100659	0.020030658
ENSG00000115816	CEBPZ	4.002	-0.504	0.705	0.004103295	0.020034184
ENSG00000066651	TRMT11	3.831	-0.359	0.780	0.004117791	0.020095589
ENSG00000139746	RBM26	5.675	-0.212	0.863	0.004121965	0.020106585
ENSG00000099260	PALMD	5.806	0.270	1.206	0.00412639	0.020118795
ENSG00000243335	KCTD7	3.673	-0.326	0.797	0.004131893	0.020136245
ENSG00000107551	RASSF4	3.930	-0.324	0.799	0.004137974	0.020156499
ENSG00000159388	BTG2	7.092	-0.440	0.737	0.00415326	0.02021776
ENSG00000121749	TBC1D15	5.354	-0.178	0.884	0.004154962	0.02021776
ENSG00000253738	OTUD6B-AS1	5.087	-0.242	0.846	0.004156345	0.02021776
ENSG00000168802	CHTF8	3.161	0.302	1.233	0.004160007	0.020226176
ENSG00000057252	SOAT1	4.447	-0.189	0.877	0.004174486	0.020282716
ENSG00000129245	FXR2	4.623	0.160	1.118	0.004175511	0.020282716
ENSG00000215861		3.677	-0.330	0.795	0.004182633	0.020304479
ENSG00000109107	ALDOC	5.876	-0.267	0.831	0.004183871	0.020304479
ENSG00000086062	B4GALT1	5.468	0.289	1.222	0.004232076	0.020528905
ENSG00000162882	HAAO	2.885	-0.406	0.755	0.004261733	0.020663187
ENSG00000145916	RMND5B	4.311	-0.183	0.881	0.004267021	0.020679248
ENSG00000050426	LETMD1	5.117	-0.184	0.880	0.004276443	0.020697601
ENSG00000183255	PTTG1IP	8.512	0.201	1.149	0.004276579	0.020697601
ENSG00000074935	TUBE1	4.461	-0.349	0.785	0.00427674	0.020697601
ENSG00000074219	TEAD2	4.242	-0.260	0.835	0.004279135	0.020699626
ENSG00000250305	KIAA1456	3.714	-0.328	0.797	0.004286181	0.020724132
ENSG00000131051	RBM39	7.747	-0.202	0.869	0.004294242	0.020753519
ENSG00000126860	EVI2A	3.946	0.504	1.418	0.004296989	0.020757211
ENSG00000178996	SNX18	4.905	-0.223	0.857	0.004311677	0.020818559
ENSG00000186812	ZNF397	3.649	-0.400	0.758	0.004322918	0.020853026
ENSG00000183798	EMILIN3	6.756	-0.547	0.684	0.004324396	0.020853026
ENSG00000119906	SLF2	4.732	-0.331	0.795	0.004324792	0.020853026
ENSG00000172757	CFL1	7.558	0.350	1.275	0.004328381	0.020860724
ENSG00000125812	GZF1	3.706	-0.261	0.834	0.004348424	0.020947678
ENSG00000184840	TMED9	8.172	0.268	1.204	0.004371146	0.021047451
ENSG00000144792	ZNF660	2.816	-0.331	0.795	0.004382875	0.021094225
ENSG00000092931	MFSD11	4.509	0.172	1.127	0.0043886	0.021112072
ENSG00000173193	PARP14	4.603	-0.317	0.803	0.004402309	0.021168292
ENSG00000168944	CEP120	4.537	-0.257	0.837	0.004409182	0.021191606
ENSG00000113407	TARS	5.211	0.230	1.173	0.00441636	0.021202052
ENSG00000112576	CCND3	5.792	0.243	1.184	0.004417792	0.021202052
ENSG00000163191	S100A11	7.032	0.409	1.328	0.004419693	0.021202052

ENSG00000085662	AKR1B1	5.660	0.302	1.233	0.004420696	0.021202052
ENSG00000130558	OLFM1	3.945	-0.274	0.827	0.004421482	0.021202052
ENSG00000104964	AES	5.992	-0.259	0.836	0.00442485	0.021208482
ENSG00000146701	MDH2	6.177	0.269	1.205	0.004433702	0.021241185
ENSG00000127980	PEX1	4.581	-0.364	0.777	0.004457554	0.021345689
ENSG00000100568	VTI1B	3.992	0.221	1.166	0.004464771	0.021370474
ENSG00000100814	CCNB1IP1	5.353	-0.280	0.823	0.004486314	0.021463774
ENSG00000106819	ASPN	10.282	0.629	1.547	0.004503088	0.021534182
ENSG00000165272	AQP3	5.923	0.535	1.449	0.0045224	0.02161666
ENSG00000175318	GRAMD2	3.218	-0.494	0.710	0.004525279	0.021620548
ENSG00000133678	TMEM254	3.265	-0.236	0.849	0.004540617	0.021683931
ENSG00000167642	SPINT2	7.097	-0.305	0.810	0.004577417	0.021849705
ENSG00000167703	SLC43A2	3.000	-0.658	0.634	0.004583154	0.021867119
ENSG00000198690	FAN1	4.622	-0.629	0.647	0.00459907	0.021931391
ENSG00000143353	LYPLAL1	3.732	-0.221	0.858	0.004600815	0.021931391
ENSG00000154845	PPP4R1	5.389	0.200	1.149	0.004609109	0.021960927
ENSG00000119487	MAPKAP1	5.542	0.179	1.132	0.004613514	0.021971915
ENSG00000106049	HIBADH	4.667	-0.196	0.873	0.004632978	0.022038966
ENSG00000164405	UQCRQ	4.953	0.524	1.438	0.004635874	0.022038966
ENSG00000104047	DTWD1	4.899	-0.204	0.868	0.004635914	0.022038966
ENSG00000159210	SNF8	4.342	0.321	1.249	0.004636015	0.022038966
ENSG00000196236	XPNPEP3	3.651	-0.233	0.851	0.004641726	0.022056099
ENSG00000056972	TRAF3IP2	5.166	0.200	1.149	0.004648696	0.022079196
ENSG00000183779	ZNF703	5.174	-0.333	0.794	0.004667106	0.022154369
ENSG00000088826	SMOX	4.305	0.457	1.373	0.004668756	0.022154369
ENSG00000163322	FAM175A	2.615	-0.434	0.740	0.004673567	0.022165672
ENSG00000136240	KDELRL2	8.227	0.204	1.152	0.004675373	0.022165672
ENSG00000169692	AGPAT2	4.676	0.447	1.364	0.004689231	0.022221307
ENSG00000136381	IREB2	4.991	-0.302	0.811	0.004698963	0.022257351
ENSG00000121931	LRIF1	3.584	-0.313	0.805	0.00470662	0.022278705
ENSG00000162889	MAPKAPK2	6.101	0.187	1.139	0.004708449	0.022278705
ENSG00000139266	MARCH9	3.812	0.327	1.254	0.004709856	0.022278705
ENSG00000197016	ZNF470	3.211	-0.288	0.819	0.00471523	0.02229405
ENSG00000164180	TMEM161B	3.729	-0.332	0.795	0.004717766	0.022295968
ENSG00000078399	HOXA9	3.147	-0.264	0.833	0.004721376	0.022302961
ENSG00000125037	EMC3	5.217	0.259	1.196	0.004743028	0.022395136
ENSG00000198453	ZNF568	3.239	-0.216	0.861	0.004746527	0.022401555
ENSG00000149499	EML3	5.991	-0.226	0.855	0.004753182	0.022417807
ENSG00000172009	THOP1	4.400	0.242	1.182	0.004754254	0.022417807
ENSG00000149600	COMMD7	4.048	0.343	1.268	0.004767573	0.022470487
ENSG00000008130	NADK	5.197	0.184	1.136	0.004778329	0.022511049
ENSG00000148700	ADD3	4.720	0.279	1.213	0.004794194	0.022575631
ENSG00000146122	DAAM2	5.923	-0.694	0.618	0.004809328	0.022636712
ENSG00000173511	VEGFB	5.691	0.420	1.338	0.004826829	0.022708875
ENSG00000166949	SMAD3	6.426	-0.313	0.805	0.004831916	0.022722597
ENSG00000166833	NAV2	4.514	0.347	1.272	0.00483808	0.022741368
ENSG00000027847	B4GALT7	5.250	0.258	1.196	0.004851531	0.022794355
ENSG00000111412	C12orf49	2.787	0.259	1.196	0.004857432	0.022810934
ENSG00000132017	DCAF15	4.045	0.191	1.141	0.004859418	0.022810934
ENSG00000136897	MRPL50	4.006	-0.184	0.880	0.004863349	0.022819157
ENSG00000124608	AARS2	3.527	-0.194	0.874	0.004866195	0.022822282
ENSG00000151233	GXYLT1	3.430	-0.255	0.838	0.004885485	0.022902489

ENSG00000143369	ECM1	6.598	0.546	1.460	0.004890528	0.022915867
ENSG00000248180	GAPDHP60	2.670	0.321	1.249	0.00491252	0.023008619
ENSG00000183808	RBM12B	3.153	-0.375	0.771	0.004915945	0.02301436
ENSG00000198081	ZBTB14	3.822	-0.217	0.860	0.004925608	0.023049293
ENSG00000107882	SUFU	3.586	-0.218	0.860	0.004932701	0.02307217
ENSG00000108797	CNTNAP1	4.018	-0.349	0.785	0.00494119	0.023101555
ENSG00000196961	AP2A1	5.725	0.208	1.155	0.005014378	0.023433265
ENSG00000204599	TRIM39	4.008	-0.181	0.882	0.005023459	0.023465227
ENSG00000204054	LINC00963	6.242	-0.201	0.870	0.005027259	0.0234725
ENSG00000130695	CEP85	3.961	-0.364	0.777	0.005043875	0.023539584
ENSG00000062194	GPBP1	6.061	-0.143	0.906	0.005050976	0.023562216
ENSG00000163660	CCNL1	7.748	-0.367	0.775	0.005059773	0.023592741
ENSG00000187479	C11orf96	4.806	0.599	1.515	0.005064478	0.023604167
ENSG00000113048	MRPS27	5.336	-0.186	0.879	0.00507023	0.023620457
ENSG00000228223	HCG11	4.642	-0.362	0.778	0.005080674	0.023658583
ENSG00000102034	ELF4	3.427	0.304	1.235	0.005087789	0.023681182
ENSG00000112559	MDFI	6.828	-0.356	0.781	0.005091049	0.023685822
ENSG00000108518	PFN1	6.626	0.410	1.329	0.005100284	0.023718244
ENSG00000184702	SEPT5	5.970	-0.229	0.853	0.005126563	0.023829867
ENSG00000181754	AMIGO1	2.613	-0.324	0.799	0.005155372	0.023947348
ENSG00000223547	ZNF844	3.834	-0.247	0.842	0.005156412	0.023947348
ENSG00000120327	PCDHB14	3.521	-0.249	0.841	0.005160599	0.023954028
ENSG00000166925	TSC22D4	5.481	-0.295	0.815	0.005162427	0.023954028
ENSG00000166337	TAF10	4.524	0.311	1.241	0.005177721	0.024014349
ENSG00000049089	COL9A2	9.680	-0.607	0.657	0.005190471	0.024053539
ENSG00000117298	ECE1	5.345	0.312	1.242	0.005190767	0.024053539
ENSG00000007384	RHBDF1	4.986	0.220	1.165	0.00519502	0.024062596
ENSG00000124767	GLO1	5.923	-0.148	0.903	0.005200072	0.024075344
ENSG00000165512	ZNF22	3.810	-0.244	0.844	0.005205247	0.024088651
ENSG00000129932	DOHH	2.764	0.357	1.281	0.00521291	0.024113452
ENSG00000111652	COPS7A	6.121	0.144	1.105	0.005226938	0.024167662
ENSG00000009694	TENM1	3.436	-0.491	0.712	0.005231382	0.024177531
ENSG00000164032	H2AFZ	5.870	0.312	1.241	0.005235574	0.024186224
ENSG00000108175	ZMIZ1	7.510	-0.363	0.777	0.005256694	0.024273081
ENSG00000111231	GPN3	3.889	-0.185	0.880	0.005261061	0.024282533
ENSG00000179409	GEMIN4	4.163	-0.195	0.874	0.005293659	0.024411826
ENSG00000187239	FNBP1	3.807	-0.232	0.851	0.005293738	0.024411826
ENSG00000185920	PTCH1	4.802	-0.502	0.706	0.005301857	0.024438503
ENSG00000110955	ATP5B	7.776	0.183	1.135	0.005319175	0.024507538
ENSG00000123989	CHPF	8.393	0.305	1.235	0.005323933	0.02451043
ENSG00000103187	COTL1	5.186	0.459	1.375	0.005324486	0.02451043
ENSG00000116005	PCYOX1	7.131	-0.270	0.829	0.005341196	0.024573865
ENSG00000156017	CARNMT1	3.232	-0.269	0.830	0.005343186	0.024573865
ENSG00000196756	SNHG17	3.583	0.324	1.252	0.005347711	0.024573865
ENSG00000073578	SDHA	5.655	0.223	1.167	0.005348396	0.024573865
ENSG00000043143	JADE2	5.691	-0.244	0.844	0.005351733	0.024573865
ENSG00000143554	SLC27A3	4.230	0.344	1.270	0.005352351	0.024573865
ENSG00000111261	MANSC1	4.542	-0.250	0.841	0.005371999	0.02465326
ENSG00000153391	INO80C	3.159	0.379	1.300	0.005382056	0.024688589
ENSG00000062485	CS	5.288	0.157	1.115	0.005403837	0.024777647
ENSG00000197181	PIWIL2	2.618	-0.445	0.734	0.005439649	0.024923907
ENSG00000132383	RPA1	6.051	-0.166	0.892	0.005440498	0.024923907

ENSG00000124209	RAB22A	4.922	0.214	1.160	0.005453561	0.024972825
ENSG00000100304	TLL12	3.872	0.235	1.177	0.005458956	0.024986597
ENSG00000148672	GLUD1	6.083	0.200	1.148	0.005487041	0.025095692
ENSG00000105058	FAM32A	5.345	0.235	1.177	0.005487585	0.025095692
ENSG00000126945	HNRNPH2	5.901	-0.145	0.904	0.005491911	0.025104507
ENSG00000107719	PALD1	4.906	-0.394	0.761	0.005507611	0.025165289
ENSG00000188070	C11orf95	5.325	-0.220	0.858	0.005517545	0.02519968
ENSG00000215012	C22orf29	3.408	-0.242	0.845	0.005546564	0.025321164
ENSG00000073910	FRY	6.552	-0.429	0.743	0.005553597	0.025342221
ENSG00000006015	C19orf60	4.798	0.433	1.350	0.005575861	0.025432727
ENSG00000177565	TBL1XR1	6.737	-0.215	0.862	0.005584866	0.02546271
ENSG00000166557	TMED3	6.872	0.351	1.276	0.005592015	0.025484203
ENSG00000119682	AREL1	3.639	0.288	1.221	0.005604447	0.025529742
ENSG00000068001	HYAL2	4.471	0.339	1.265	0.005611504	0.025550773
ENSG00000119711	ALDH6A1	4.430	-0.271	0.829	0.005643945	0.025687312
ENSG00000173171	MTX1	2.981	0.270	1.206	0.005655795	0.025721818
ENSG00000228474	OST4	5.996	0.313	1.243	0.005656571	0.025721818
ENSG00000234518	PTGES3P1	3.820	-0.405	0.755	0.005661218	0.025721818
ENSG00000198937	CCDC167	2.877	0.508	1.423	0.005661355	0.025721818
ENSG00000132300	PTCD3	5.111	-0.155	0.898	0.005675439	0.025774617
ENSG00000164050	PLXNB1	6.339	-0.276	0.826	0.005688666	0.025823483
ENSG00000164125	FAM198B	4.535	-0.364	0.777	0.005707162	0.025896217
ENSG00000171150	SOCS5	4.800	-0.244	0.844	0.00571078	0.025901405
ENSG00000143815	LBR	3.088	-0.220	0.859	0.005718785	0.025926478
ENSG00000187231	SESTD1	6.021	-0.329	0.796	0.005730958	0.02597042
ENSG00000136859	ANGPTL2	11.215	0.335	1.261	0.005736649	0.025984958
ENSG00000039123	SKIV2L2	4.888	-0.254	0.839	0.005748322	0.026026573
ENSG00000137834	SMAD6	4.573	0.237	1.179	0.005751383	0.026027351
ENSG00000101109	STK4	4.310	-0.338	0.791	0.005753467	0.026027351
ENSG00000178952	TUFM	6.151	0.267	1.203	0.005763253	0.026060358
ENSG00000008405	CRY1	5.217	0.284	1.218	0.005770522	0.026081963
ENSG00000163930	BAP1	5.783	0.132	1.096	0.00577877	0.026098552
ENSG00000164306	PRIMPOL	3.188	-0.278	0.825	0.005779179	0.026098552
ENSG00000183386	FHL3	3.432	0.446	1.363	0.005790746	0.026135316
ENSG00000002933	TMEM176A	3.134	-1.069	0.477	0.005794536	0.026135316
ENSG00000264514		2.774	-0.584	0.667	0.00579481	0.026135316
ENSG00000168542	COL3A1	14.194	0.640	1.558	0.005807952	0.026183308
ENSG00000161542	PRPSAP1	5.054	-0.244	0.844	0.005823411	0.026230268
ENSG00000134352	IL6ST	7.710	-0.303	0.811	0.005825496	0.026230268
ENSG00000159720	ATP6V0D1	4.824	0.331	1.258	0.005825886	0.026230268
ENSG00000164663	USP49	2.702	-0.426	0.745	0.00583297	0.026250872
ENSG00000174307	PHLDA3	5.249	0.444	1.360	0.005838599	0.026264912
ENSG00000082153	BZW1	7.677	0.271	1.207	0.005849976	0.026304791
ENSG00000126790	L3HYPDH	3.030	-0.239	0.847	0.005856401	0.026322371
ENSG00000148362	C9orf142	3.887	0.532	1.446	0.005876726	0.02640239
ENSG00000160685	ZBTB7B	4.575	0.234	1.176	0.005883973	0.02642361
ENSG00000163466	ARPC2	7.371	0.201	1.149	0.005910827	0.02653282
ENSG00000103043	VAC14	3.818	0.253	1.192	0.005913515	0.026533506
ENSG00000166886	NAB2	4.820	0.211	1.157	0.005920203	0.026552137
ENSG00000101350	KIF3B	5.584	0.207	1.155	0.005926681	0.026569804
ENSG00000127804	METTL16	5.122	-0.204	0.868	0.005936793	0.026603747
ENSG00000242861		2.787	-0.403	0.756	0.005967772	0.026731122

ENSG00000213625	LEPROT	6.848	-0.179	0.883	0.005979058	0.026770224
ENSG00000100532	CGRRF1	3.998	0.212	1.158	0.005992919	0.026819533
ENSG00000160161	CILP2	10.515	0.444	1.361	0.005995196	0.026819533
ENSG00000119681	LTBP2	9.050	0.452	1.368	0.00603013	0.026959609
ENSG00000091592	NLRP1	6.600	-0.220	0.858	0.00603311	0.026959609
ENSG00000198945	L3MBTL3	2.853	-0.323	0.799	0.006036928	0.026959609
ENSG00000172590	MRPL52	4.242	0.431	1.348	0.006037986	0.026959609
ENSG00000141551	CSNK1D	5.967	0.156	1.115	0.006039385	0.026959609
ENSG00000134153	EMC7	6.009	0.237	1.179	0.006060921	0.02704421
ENSG00000073111	MCM2	2.899	0.218	1.163	0.006068023	0.027064365
ENSG00000064545	TMEM161A	4.142	0.272	1.208	0.006076555	0.027090875
ENSG00000113369	ARRDC3	6.466	-0.328	0.796	0.006084083	0.027112892
ENSG00000237765	FAM200B	4.212	-0.195	0.874	0.0061005	0.027171617
ENSG00000149925	ALDOA	9.620	0.266	1.202	0.006102452	0.027171617
ENSG00000148468	FAM171A1	2.891	-0.319	0.802	0.006106117	0.027176375
ENSG00000186395	KRT10	5.044	0.318	1.247	0.006112671	0.027190083
ENSG00000170836	PPM1D	2.965	-0.238	0.848	0.006114392	0.027190083
ENSG00000115392	FANCL	3.315	-0.272	0.828	0.006120798	0.027207013
ENSG00000166509	CLEC3A	10.099	-0.638	0.643	0.006138222	0.02727288
ENSG00000187325	TAF9B	4.620	-0.313	0.805	0.006152531	0.027324861
ENSG00000164924	YWHAZ	7.798	0.169	1.125	0.006160275	0.027347649
ENSG00000144935	TRPC1	4.981	-0.288	0.819	0.006175918	0.027405474
ENSG00000125652	ALKBH7	4.617	0.461	1.376	0.006208895	0.027540131
ENSG00000173137	ADCK5	2.647	0.379	1.300	0.006214675	0.027554095
ENSG00000165802	NSMF	4.407	0.290	1.223	0.006242523	0.027649295
ENSG00000063854	HAGH	4.195	0.298	1.229	0.0062447	0.027649295
ENSG00000167460	TPM4	7.689	0.338	1.264	0.006245031	0.027649295
ENSG00000141750	STAC2	4.110	-0.619	0.651	0.006246712	0.027649295
ENSG00000204116	CHIC1	3.480	-0.268	0.831	0.006258318	0.027688958
ENSG00000105976	MET	4.205	0.396	1.316	0.00627778	0.027763328
ENSG00000173726	TOMM20	7.356	-0.171	0.888	0.006295096	0.027828153
ENSG00000196678	ERI2	2.706	-0.416	0.749	0.006298081	0.027829594
ENSG00000219545	UMAD1	4.084	-0.241	0.846	0.006317847	0.027903488
ENSG00000026508	CD44	7.734	0.226	1.170	0.006323892	0.027903488
ENSG00000164953	TMEM67	3.841	-0.248	0.842	0.006325054	0.027903488
ENSG00000092199	HNRNPC	7.667	-0.163	0.893	0.006328303	0.027903488
ENSG00000165424	ZCCHC24	5.370	-0.241	0.846	0.006330512	0.027903488
ENSG00000123933	MXD4	6.432	-0.263	0.833	0.006330797	0.027903488
ENSG00000100399	CHADL	5.313	-0.473	0.721	0.006349919	0.02797466
ENSG00000185946	RNPC3	3.396	-0.703	0.614	0.00635229	0.02797466
ENSG00000196502	SULT1A1	3.014	-0.366	0.776	0.006363267	0.02801122
ENSG00000130775	THEMIS2	3.153	0.833	1.781	0.006399567	0.02815917
ENSG00000134255	CEPT1	3.976	-0.502	0.706	0.006409418	0.028190665
ENSG00000094975	SUCO	5.434	-0.280	0.824	0.006420479	0.028227457
ENSG00000105186	ANKRD27	4.145	0.225	1.169	0.006457903	0.02838007
ENSG00000101751	POLI	5.020	-0.279	0.824	0.00646723	0.028409132
ENSG00000156976	EIF4A2	8.359	-0.209	0.865	0.006471181	0.028414563
ENSG00000143198	MGST3	6.063	0.345	1.270	0.006474122	0.028415557
ENSG00000165322	ARHGAP12	4.442	-0.245	0.844	0.006494327	0.028479789
ENSG00000108107	RPL28	8.549	0.475	1.390	0.006496624	0.028479789
ENSG00000086712	TXLNG	3.758	-0.364	0.777	0.006502004	0.028479789
ENSG00000185115	NSMCE3	4.106	-0.198	0.872	0.006502072	0.028479789

ENSG00000196776	CD47	6.651	-0.169	0.889	0.006502359	0.028479789
ENSG00000198168	SVIP	3.780	-0.212	0.863	0.006509856	0.028500702
ENSG00000137996	RTCA	4.373	0.163	1.120	0.006517044	0.028520241
ENSG00000078369	GNB1	7.735	0.162	1.119	0.006521238	0.028526671
ENSG00000160271	RALGDS	5.492	-0.268	0.831	0.006532223	0.028562784
ENSG00000157045	NTAN1	5.011	0.287	1.220	0.00654566	0.028609591
ENSG00000079974	RABL2B	3.750	-0.213	0.863	0.006557107	0.028647661
ENSG00000014123	UFL1	5.510	-0.290	0.818	0.006568279	0.028681475
ENSG00000118689	FOXO3	6.381	-0.231	0.852	0.006570326	0.028681475
ENSG00000126870	WDR60	4.584	-0.237	0.848	0.006592036	0.028758535
ENSG00000068745	IP6K2	5.273	0.190	1.141	0.006593474	0.028758535
ENSG00000105877	DNAH11	4.288	-0.754	0.593	0.006605129	0.028797373
ENSG00000114120	SLC25A36	6.924	-0.322	0.800	0.0066263	0.028877647
ENSG00000180992	MRPL14	4.343	0.474	1.389	0.006629483	0.028879495
ENSG00000132432	SEC61G	6.339	0.393	1.313	0.006639712	0.028912023
ENSG00000131844	MCCC2	4.897	-0.248	0.842	0.006676636	0.029060135
ENSG00000139433	GLTP	5.872	0.198	1.147	0.006681018	0.029060135
ENSG00000095574	IKZF5	4.310	-0.264	0.833	0.006682054	0.029060135
ENSG00000173156	RHOD	4.023	0.303	1.233	0.006688191	0.029074742
ENSG00000174796	THAP6	3.421	-0.329	0.796	0.006699704	0.029112704
ENSG00000205758	CRYZL1	4.243	-0.163	0.893	0.006710385	0.029147017
ENSG00000163902	RPN1	7.578	0.204	1.152	0.006718749	0.029169308
ENSG00000106948	AKNA	3.397	-0.228	0.854	0.006722246	0.029169308
ENSG00000211460	TSN	5.932	-0.135	0.910	0.006723877	0.029169308
ENSG00000148335	NTMT1	4.511	0.300	1.231	0.006734405	0.029202879
ENSG00000134684	YARS	5.462	0.211	1.157	0.006741917	0.029223349
ENSG00000132323	ILKAP	4.365	0.264	1.201	0.006751002	0.029250615
ENSG00000149582	TMEM25	4.804	-0.155	0.898	0.006764538	0.029297137
ENSG00000134986	NREP	4.786	-0.356	0.781	0.00677355	0.029312463
ENSG00000166073	GPR176	2.729	0.582	1.497	0.006773677	0.029312463
ENSG00000198924	DCLRE1A	2.670	-0.306	0.809	0.006779081	0.029313917
ENSG00000172059	KLF11	2.891	-0.410	0.753	0.006779613	0.029313917
ENSG00000077147	TM9SF3	7.595	-0.180	0.883	0.006794277	0.029365193
ENSG00000186104	CYP2R1	3.482	-0.209	0.865	0.006797564	0.02936727
ENSG00000138036	DYNC2LI1	5.078	-0.176	0.885	0.006806374	0.029393201
ENSG00000100227	POLDIP3	6.287	-0.154	0.899	0.006819135	0.029436167
ENSG00000047932	GOPC	5.783	-0.256	0.837	0.006823161	0.029437348
ENSG00000100299	ARSA	5.354	0.264	1.201	0.006825033	0.029437348
ENSG00000160293	VAV2	3.998	-0.529	0.693	0.006850138	0.029533461
ENSG00000151917	BEND6	3.577	0.320	1.248	0.006900194	0.029730932
ENSG00000146828	SLC12A9	4.794	0.199	1.148	0.006901621	0.029730932
ENSG00000136213	CHST12	4.662	0.228	1.172	0.006926266	0.029824827
ENSG00000136877	FPGS	5.275	0.247	1.187	0.006935532	0.029852444
ENSG00000161203	AP2M1	7.805	0.192	1.142	0.006941924	0.029867678
ENSG00000132970	WASF3	4.079	-0.334	0.793	0.006952764	0.029902028
ENSG00000106244	PDAP1	6.377	0.223	1.167	0.006971846	0.029970642
ENSG00000104332	SFRP1	3.481	-1.209	0.432	0.006977484	0.029970642
ENSG00000129521	EGLN3	5.864	0.501	1.415	0.006977567	0.029970642
ENSG00000198718	TOGARAM1	4.063	-0.306	0.809	0.00698017	0.029970642
ENSG00000132613	MTSS1L	3.555	-0.322	0.800	0.006987893	0.029991498
ENSG00000247828	TMEM161B-AS1	2.682	-0.327	0.797	0.006992608	0.029995598
ENSG00000197713	RPE	4.073	-0.194	0.874	0.006994579	0.029995598

ENSG00000155893	PXYLP1	7.221	0.263	1.200	0.00700126	0.030011953
ENSG00000104889	RNASEH2A	2.736	0.377	1.299	0.007006017	0.030014772
ENSG00000162927	PUS10	3.003	-0.263	0.834	0.007007652	0.030014772
ENSG00000167671	UBXN6	6.688	0.268	1.204	0.007010765	0.030015823
ENSG00000182087	TMEM259	6.547	0.160	1.117	0.007064158	0.030211563
ENSG00000176101	SSNA1	4.454	0.415	1.333	0.007065112	0.030211563
ENSG00000143178	TBX19	2.915	-0.291	0.818	0.007065142	0.030211563
ENSG00000050405	LIMA1	6.233	-0.352	0.784	0.007096163	0.030328001
ENSG00000109917	ZPR1	4.342	0.180	1.133	0.007098166	0.030328001
ENSG00000172270	BSG	8.233	0.258	1.196	0.007105734	0.030347951
ENSG00000254126	CD8BP	3.934	0.400	1.319	0.007116122	0.030379921
ENSG00000168393	DTYMK	3.683	0.303	1.234	0.00712677	0.030412977
ENSG00000212694	LINC01089	3.974	-0.365	0.776	0.00713161	0.030421226
ENSG00000245060	LINC00847	3.976	-0.205	0.867	0.007151041	0.030491691
ENSG00000015171	ZMYND11	5.827	-0.244	0.844	0.007174733	0.030580253
ENSG00000010704	HFE	4.194	-0.218	0.860	0.007188943	0.030628351
ENSG00000099814	CEP170B	4.741	0.224	1.168	0.00719664	0.03064867
ENSG00000106617	PRKAG2	3.923	-0.270	0.829	0.007200319	0.030651868
ENSG00000111371	SLC38A1	5.562	-0.356	0.781	0.007220022	0.030723248
ENSG00000167384	ZNF180	2.773	-0.283	0.822	0.007243871	0.030812206
ENSG00000143612	C1orf43	6.928	0.153	1.112	0.00725006	0.030826006
ENSG00000182512	GLRX5	3.843	0.294	1.226	0.00726221	0.030865129
ENSG00000124541	RRP36	4.701	0.250	1.189	0.007267275	0.030874122
ENSG00000147394	ZNF185	3.414	-0.245	0.844	0.007278881	0.030910884
ENSG00000008311	AASS	3.739	-0.545	0.685	0.007291465	0.030951768
ENSG00000108179	PPIF	4.470	-0.263	0.833	0.00730282	0.030987403
ENSG00000114054	PCCB	3.129	0.266	1.203	0.007379562	0.031300345
ENSG00000104522	TSTA3	4.825	0.290	1.223	0.007402373	0.031378752
ENSG00000103653	CSK	4.609	0.196	1.145	0.007404043	0.031378752
ENSG00000126602	TRAP1	3.937	-0.304	0.810	0.007408773	0.031386093
ENSG00000035928	RFC1	5.266	-0.207	0.867	0.007435857	0.031488086
ENSG00000025039	RRAGD	3.513	-0.228	0.854	0.007468677	0.031614278
ENSG00000158716	DUSP23	3.240	0.487	1.401	0.007475612	0.031630844
ENSG00000175040	CHST2	4.125	0.528	1.442	0.007501149	0.031726074
ENSG00000186111	PIP5K1C	5.307	0.184	1.136	0.007508339	0.031743655
ENSG00000065491	TBC1D22B	2.803	0.252	1.191	0.007524076	0.031797346
ENSG00000072786	STK10	3.959	0.271	1.206	0.007530851	0.031813133
ENSG00000162694	EXTL2	4.890	0.190	1.141	0.007535796	0.031821185
ENSG00000105755	ETHE1	2.634	0.463	1.378	0.007557474	0.031899854
ENSG00000176974	SHMT1	3.962	-0.250	0.841	0.00761762	0.032140769
ENSG00000140563	MCTP2	3.072	-0.489	0.713	0.00762906	0.032176066
ENSG00000136100	VPS36	4.735	-0.238	0.848	0.007632614	0.032178091
ENSG00000136143	SUCLA2	4.658	-0.175	0.886	0.007657175	0.032261003
ENSG00000103710	RASL12	5.405	0.252	1.191	0.007658444	0.032261003
ENSG00000114631	PODXL2	2.944	0.409	1.328	0.007691822	0.032388572
ENSG00000124571	XPO5	4.374	0.207	1.155	0.007702895	0.032422158
ENSG00000134330	IAH1	4.575	0.240	1.181	0.007731553	0.032529702
ENSG00000121058	COIL	3.415	-0.189	0.878	0.007750609	0.032596776
ENSG00000257742		3.234	-0.217	0.860	0.007755779	0.032605421
ENSG00000129422	MTUS1	6.284	-0.535	0.690	0.007774978	0.032673012
ENSG00000001084	GCLC	3.600	-0.245	0.844	0.007805097	0.032786417
ENSG00000234444	ZNF736	2.922	-0.418	0.749	0.007872213	0.033055085

ENSG00000147180	ZNF711	2.653	-0.394	0.761	0.007881124	0.033079231
ENSG00000109618	SEPSECS	3.460	-0.290	0.818	0.00789589	0.033127925
ENSG00000183963	SMTN	5.690	0.243	1.184	0.007918034	0.033207525
ENSG00000141499	WRAP53	2.635	0.322	1.250	0.007933204	0.033257819
ENSG00000165672	PRDX3	6.060	-0.165	0.892	0.007940015	0.03327305
ENSG00000198420	TCAF1	4.181	-0.194	0.874	0.007963983	0.033360134
ENSG00000144867	SRPRB	6.205	0.218	1.163	0.007993681	0.033471141
ENSG00000229119		5.706	0.549	1.463	0.00800601	0.03350936
ENSG00000260032	NORAD	9.037	-0.228	0.854	0.008033615	0.033611462
ENSG00000204130	RUFY2	3.862	-0.256	0.837	0.008041309	0.033630213
ENSG00000076706	MCAM	3.812	1.107	2.154	0.008045587	0.033634665
ENSG00000115966	ATF2	5.041	-0.223	0.857	0.008073214	0.033736689
ENSG00000111817	DSE	5.984	-0.254	0.839	0.008087072	0.033781115
ENSG00000172269	DPAGT1	4.101	0.169	1.124	0.008094666	0.033788267
ENSG00000115993	TRAK2	5.242	0.248	1.188	0.00809524	0.033788267
ENSG00000186577	C6orf1	3.148	0.407	1.326	0.008100283	0.033795841
ENSG00000156858	PRR14	4.631	0.220	1.165	0.008104829	0.033801335
ENSG00000065243	PKN2	5.149	-0.280	0.824	0.008124849	0.033857294
ENSG00000198642	KLHL9	5.234	-0.252	0.840	0.008127284	0.033857294
ENSG00000130311	DDA1	4.549	0.206	1.153	0.008129366	0.033857294
ENSG00000167967	E4F1	4.191	0.282	1.216	0.008131184	0.033857294
ENSG00000157426	AASDH	3.560	-0.189	0.877	0.008159836	0.033963088
ENSG00000140941	MAP1LC3B	5.893	0.216	1.161	0.008183223	0.034046891
ENSG00000134996	OSTF1	4.748	0.261	1.198	0.008195435	0.034077568
ENSG00000107864	CPEB3	2.906	-0.371	0.773	0.008199627	0.034077568
ENSG00000116586	LAMTOR2	4.351	0.469	1.385	0.008200362	0.034077568
ENSG00000102781	KATNAL1	4.548	0.323	1.251	0.00821208	0.034105478
ENSG00000213719	CLIC1	7.636	0.387	1.308	0.008213595	0.034105478
ENSG00000169375	SIN3A	5.208	-0.230	0.852	0.008221298	0.034116064
ENSG00000101166	PRELID3B	4.328	0.207	1.155	0.008222662	0.034116064
ENSG00000146676	PURB	5.209	-0.194	0.874	0.008248695	0.034210516
ENSG00000064932	SBNO2	6.125	0.234	1.176	0.008255153	0.034223741
ENSG00000174915	PTDSS2	4.607	0.258	1.196	0.008284809	0.034333088
ENSG00000189157	FAM47E	2.807	-0.279	0.824	0.008334431	0.034518357
ENSG00000169221	TBC1D10B	4.913	0.150	1.110	0.008336111	0.034518357
ENSG00000163866	SMIM12	4.134	0.219	1.164	0.008345969	0.034545514
ENSG00000124459	ZNF45	3.132	-0.282	0.822	0.008351883	0.034556331
ENSG00000149289	ZC3H12C	2.688	-0.358	0.780	0.008431362	0.034871394
ENSG00000080546	SESN1	4.184	-0.231	0.852	0.008438569	0.034887417
ENSG00000266714	MYO15B	6.057	-0.304	0.810	0.008448291	0.03491382
ENSG00000104412	EMC2	5.369	-0.177	0.885	0.008473029	0.035002239
ENSG00000147099	HDAC8	3.635	0.153	1.112	0.008505937	0.035115827
ENSG00000136682	CBWD2	3.931	-0.205	0.867	0.008507235	0.035115827
ENSG00000160446	ZDHHC12	2.722	0.368	1.290	0.008541546	0.035243558
ENSG00000170634	ACYP2	3.523	-0.264	0.833	0.008553845	0.035271612
ENSG00000168763	CNNM3	3.188	-0.304	0.810	0.008555084	0.035271612
ENSG00000138814	PPP3CA	7.825	0.200	1.149	0.008588647	0.035396046
ENSG00000121680	PEX16	3.960	0.316	1.245	0.008604072	0.03544566
ENSG00000078124	ACER3	3.022	0.252	1.191	0.008616662	0.035483565
ENSG00000131067	GGT7	5.133	-0.156	0.897	0.008628318	0.03551759
ENSG00000142459	EVI5L	3.385	0.235	1.177	0.008662522	0.035644373
ENSG00000169964	TMEM42	4.350	-0.260	0.835	0.008698747	0.035777681

ENSG00000172965	MIR4435-2HG	3.110	0.456	1.372	0.008702837	0.035777681
ENSG00000136158	SPRY2	5.928	-0.398	0.759	0.008705173	0.035777681
ENSG00000082458	DLG3	3.842	-0.167	0.891	0.00872074	0.035827591
ENSG00000030582	GRN	7.906	0.334	1.261	0.00879672	0.036125565
ENSG00000184867	ARMCX2	5.990	-0.190	0.877	0.008825513	0.036229597
ENSG00000154134	ROBO3	3.800	0.372	1.294	0.008840779	0.036278038
ENSG00000110696	C11orf58	7.006	-0.151	0.901	0.008850827	0.03629485
ENSG00000188690	UROS	3.723	0.381	1.302	0.00885181	0.03629485
ENSG00000104915	STX10	4.855	0.324	1.252	0.008857576	0.036304272
ENSG00000075711	DLG1	5.974	0.337	1.263	0.008868002	0.036332776
ENSG00000177868	SVBP	2.669	0.408	1.327	0.00887466	0.036335248
ENSG00000183696	UPP1	4.218	0.380	1.301	0.008875547	0.036335248
ENSG00000115963	RND3	5.201	0.289	1.221	0.008924115	0.036519796
ENSG00000083097	DOPEY1	4.073	-0.535	0.690	0.008936548	0.036551866
ENSG00000163520	FBLN2	3.827	0.843	1.794	0.008938936	0.036551866
ENSG00000130706	ADRM1	4.238	0.260	1.198	0.009005099	0.036796878
ENSG00000009780	FAM76A	3.799	0.203	1.151	0.009005885	0.036796878
ENSG00000150051	MKX	3.392	-0.413	0.751	0.009030908	0.036884724
ENSG00000204435	CSNK2B	3.560	0.431	1.348	0.009051103	0.036952785
ENSG00000160072	ATAD3B	4.600	0.253	1.192	0.009084594	0.037063506
ENSG00000198625	MDM4	5.178	-0.271	0.829	0.009085303	0.037063506
ENSG00000074416	MGLL	4.942	0.226	1.169	0.009096903	0.037096371
ENSG00000130787	HIP1R	4.186	-0.290	0.818	0.009102967	0.037106644
ENSG00000100387	RBX1	2.832	0.352	1.276	0.009111655	0.037127601
ENSG00000180817	PPA1	5.731	0.204	1.152	0.009118188	0.037139763
ENSG00000129071	MBD4	4.752	-0.136	0.910	0.009139765	0.03721317
ENSG00000128513	POT1	4.145	-0.205	0.868	0.009172193	0.037330682
ENSG00000103160	HSDL1	3.766	-0.189	0.877	0.009207761	0.037460881
ENSG00000140511	HAPLN3	5.170	0.219	1.164	0.009221726	0.037496784
ENSG00000134569	LRP4	3.838	0.386	1.307	0.00922375	0.037496784
ENSG00000198546	ZNF511	3.218	0.360	1.283	0.009243928	0.037553321
ENSG00000230630	DNM3OS	3.556	-0.226	0.855	0.009244833	0.037553321
ENSG00000110446	SLC15A3	3.126	-0.408	0.754	0.009277467	0.037671265
ENSG00000184785	SMIM10	3.107	-0.259	0.836	0.009294689	0.037726563
ENSG00000123009	NME2P1	4.240	0.391	1.311	0.009307214	0.037762759
ENSG00000153147	SMARCA5	5.811	-0.187	0.878	0.009337703	0.037871783
ENSG00000137478	FCHSD2	5.701	-0.230	0.853	0.009341743	0.037873496
ENSG00000119231	SENP5	4.570	-0.188	0.878	0.009355028	0.037912671
ENSG00000182247	UBE2E2	3.770	0.210	1.157	0.009381375	0.038004734
ENSG00000135472	FAIM2	2.806	-0.323	0.800	0.009417073	0.038134591
ENSG00000258486		4.605	0.835	1.784	0.009431308	0.038164816
ENSG00000119729	RHOQ	5.354	0.158	1.116	0.009431828	0.038164816
ENSG00000111229	ARPC3	6.018	0.345	1.270	0.009451245	0.038228605
ENSG00000113593	PPWD1	4.962	-0.192	0.876	0.009458682	0.038243908
ENSG00000106261	ZKSCAN1	6.885	-0.306	0.809	0.009475884	0.038298671
ENSG00000148411	NACC2	3.672	-0.231	0.852	0.009483918	0.038316348
ENSG00000133026	MYH10	4.837	-0.323	0.799	0.009508502	0.038400849
ENSG00000119471	HSDL2	4.294	-0.172	0.888	0.009517379	0.038421876
ENSG00000171843	MLLT3	3.407	-0.257	0.837	0.009523856	0.038433201
ENSG00000172830	SSH3	4.325	-0.188	0.878	0.009534147	0.038459903
ENSG00000116679	IVNS1ABP	9.638	0.318	1.246	0.009539053	0.038464872
ENSG00000139289	PHLDA1	6.953	-0.268	0.831	0.009569149	0.038571372

ENSG00000116157	GPX7	3.982	0.293	1.226	0.009580002	0.038600254
ENSG00000125148	MT2A	9.691	0.523	1.437	0.009584027	0.038601612
ENSG00000178338	ZNF354B	2.681	-0.306	0.809	0.00960193	0.038658848
ENSG00000162869	PPP1R21	3.681	-0.189	0.877	0.009610036	0.03867661
ENSG00000187778	MCRS1	5.126	0.201	1.150	0.009630515	0.03874413
ENSG00000143033	MTF2	3.964	-0.232	0.852	0.009645722	0.038790401
ENSG00000179271	GADD45GIP1	5.307	0.453	1.368	0.009685423	0.038935103
ENSG00000137288	UQCC2	4.151	0.365	1.288	0.009691805	0.038935277
ENSG00000146278	PNRC1	6.550	-0.222	0.857	0.009692905	0.038935277
ENSG00000160124	CCDC58	2.967	-0.233	0.851	0.00973516	0.03909001
ENSG00000113761	ZNF346	3.111	-0.201	0.870	0.009825379	0.039437144
ENSG00000168778	TCTN2	4.103	-0.276	0.826	0.00984016	0.039477513
ENSG00000183298	RPSAP19	2.663	0.487	1.401	0.009844792	0.039477513
ENSG00000039650	PNKP	4.313	0.191	1.142	0.009846751	0.039477513
ENSG00000186130	ZBTB6	3.398	-0.222	0.857	0.009856258	0.039500501
ENSG00000163710	PCOLCE2	10.314	0.254	1.193	0.009865255	0.039515658
ENSG00000135046	ANXA1	9.284	0.240	1.181	0.009871125	0.039515658
ENSG00000141569	TRIM65	5.159	0.148	1.108	0.009871365	0.039515658
ENSG00000108733	PEX12	3.546	-0.224	0.856	0.009884274	0.039552211
ENSG00000121413	ZSCAN18	4.866	-0.216	0.861	0.009892085	0.03956834
ENSG00000172432	GTPBP2	5.038	0.196	1.146	0.00991317	0.039637535
ENSG00000102241	HTATSF1	6.180	-0.164	0.892	0.009949923	0.039769301
ENSG00000261597		2.618	-0.294	0.815	0.009960879	0.039797894
ENSG00000169914	OTUD3	3.482	-0.314	0.804	0.009970236	0.039808595
ENSG00000154743	TSEN2	2.689	-0.203	0.869	0.009971163	0.039808595
ENSG00000104324	CPQ	6.714	-0.222	0.857	0.009987425	0.039846727
ENSG00000120616	EPC1	4.840	-0.171	0.888	0.009990926	0.039846727
ENSG00000103496	STX4	5.163	0.311	1.240	0.009992134	0.039846727
ENSG00000170310	STX8	4.409	0.352	1.276	0.009997837	0.039854285
ENSG00000075399	VPS9D1	3.474	0.318	1.246	0.010043864	0.04001145
ENSG00000134987	WDR36	4.343	-0.244	0.844	0.010044907	0.04001145
ENSG00000125945	ZNF436	3.833	-0.261	0.835	0.010070917	0.040099795
ENSG00000119862	LGALSL	4.943	0.174	1.128	0.010088837	0.040155871
ENSG00000183340	JRKL	4.365	-0.290	0.818	0.010099575	0.040183333
ENSG00000166432	ZMAT1	4.541	-0.463	0.726	0.010103638	0.040184225
ENSG00000130821	SLC6A8	5.919	0.184	1.136	0.010111059	0.040198466
ENSG00000112739	PRPF4B	5.538	-0.214	0.862	0.010126291	0.04024374
ENSG00000221909	FAM200A	2.670	-0.253	0.839	0.010132271	0.040252223
ENSG00000188566	NDOR1	2.895	0.194	1.144	0.01014784	0.040298783
ENSG00000164985	PSIP1	5.692	-0.174	0.886	0.010158676	0.040326514
ENSG00000112343	TRIM38	4.178	-0.188	0.878	0.010196605	0.040449598
ENSG00000170500	LONRF2	3.269	-0.489	0.713	0.01019741	0.040449598
ENSG00000133818	RRAS2	3.024	-0.218	0.860	0.010201482	0.040450423
ENSG00000182934	SRPRA	7.360	0.186	1.138	0.010218122	0.040486719
ENSG00000150787	PTS	3.802	0.259	1.196	0.010222431	0.040486719
ENSG00000172428	COPS9	4.724	0.491	1.406	0.010225051	0.040486719
ENSG00000143748	NVL	3.542	-0.240	0.847	0.010226107	0.040486719
ENSG00000214413	BBIP1	4.035	-0.186	0.879	0.010238881	0.040521969
ENSG00000158292	GPR153	4.639	0.578	1.492	0.010275283	0.040650665
ENSG00000173264	GPR137	4.048	0.246	1.186	0.010330279	0.040847505
ENSG00000187240	DYNC2H1	4.498	-0.392	0.762	0.010332842	0.040847505
ENSG00000119979	FAM45A	3.638	-0.179	0.883	0.010339667	0.040859055

ENSG00000111775	COX6A1	3.737	0.427	1.345	0.010384325	0.041020042
ENSG00000152795	HNRNPDL	7.758	-0.143	0.905	0.010397319	0.041040745
ENSG00000153395	LPCAT1	5.547	0.202	1.151	0.010399133	0.041040745
ENSG00000148334	PTGES2	4.387	0.306	1.237	0.010401328	0.041040745
ENSG00000162430	SELENON	4.559	0.256	1.194	0.010408752	0.041054567
ENSG00000143321	HDGF	7.019	0.163	1.120	0.010468167	0.041266017
ENSG00000182700	IGIP	4.644	-0.176	0.885	0.010470247	0.041266017
ENSG00000165474	GJB2	3.414	0.999	1.998	0.010475583	0.041271512
ENSG00000124479	NDP	3.242	0.478	1.393	0.010479946	0.041273166
ENSG00000205517	RGL3	4.095	0.192	1.143	0.010503841	0.041351714
ENSG00000015676	NUDCD3	6.221	-0.152	0.900	0.010520256	0.041387923
ENSG00000156466	GDF6	5.418	0.866	1.823	0.010520946	0.041387923
ENSG00000185187	SIGIRR	3.875	0.455	1.370	0.010562478	0.041535696
ENSG00000110237	ARHGEF17	5.932	-0.240	0.847	0.010603981	0.041683242
ENSG00000162745	OLFML2B	5.796	0.547	1.461	0.010608585	0.041685685
ENSG00000115942	ORC2	4.180	-0.201	0.870	0.010619646	0.041713492
ENSG00000182534	MXRA7	7.726	0.205	1.153	0.010630627	0.041740962
ENSG00000159658	EFCAB14	6.509	-0.214	0.862	0.010651858	0.041808643
ENSG00000143256	PFDN2	4.446	0.278	1.213	0.010679564	0.041901679
ENSG00000227008		5.616	0.448	1.364	0.010693666	0.041934989
ENSG00000112679	DUSP22	4.933	0.172	1.127	0.010696066	0.041934989
ENSG00000146648	EGFR	5.216	-0.288	0.819	0.010723911	0.042028415
ENSG00000103479	RBL2	6.097	-0.561	0.678	0.010731559	0.042042651
ENSG00000135324	MRAP2	4.795	-0.395	0.760	0.010771125	0.04218187
ENSG00000178307	TMEM11	3.949	0.279	1.213	0.010805843	0.042302006
ENSG00000196187	TMEM63A	5.031	-0.339	0.791	0.010893221	0.042611463
ENSG00000161970	RPL26	4.667	0.519	1.433	0.010896229	0.042611463
ENSG00000145214	DGKQ	3.775	0.150	1.110	0.010897104	0.042611463
ENSG00000129596	CDO1	9.451	0.279	1.214	0.010910283	0.042647066
ENSG00000167325	RRM1	4.769	0.175	1.129	0.010958966	0.042821372
ENSG00000184182	UBE2F	3.037	0.330	1.257	0.011006527	0.042968318
ENSG00000116809	ZBTB17	4.359	0.218	1.163	0.011008102	0.042968318
ENSG00000162407	PLPP3	6.352	-0.442	0.736	0.011008887	0.042968318
ENSG00000075234	TTC38	4.202	-0.153	0.900	0.011024669	0.043013879
ENSG00000107560	RAB11FIP2	3.961	-0.251	0.840	0.011044824	0.043065517
ENSG00000258289	CHURC1	5.485	-0.191	0.876	0.011046635	0.043065517
ENSG00000179941	BBS10	4.185	-0.349	0.785	0.011050246	0.043065517
ENSG00000128245	YWHAH	6.194	0.238	1.179	0.011059136	0.043084123
ENSG00000167987	VPS37C	3.899	0.176	1.130	0.011078116	0.043142008
ENSG00000168803	ADAL	3.399	-0.183	0.881	0.011089208	0.043169143
ENSG00000114841	DNAH1	4.223	-0.337	0.792	0.011094529	0.043173804
ENSG00000096717	SIRT1	4.230	-0.324	0.799	0.011123673	0.043269006
ENSG00000136436	CALCOCO2	5.697	-0.124	0.918	0.011127261	0.043269006
ENSG00000070756	PABPC1	7.954	0.167	1.123	0.011158265	0.043373458
ENSG00000106772	PRUNE2	5.377	-0.428	0.743	0.011184867	0.043456582
ENSG00000196305	IARS	6.610	0.227	1.170	0.011187953	0.043456582
ENSG00000185000	DGAT1	4.411	0.236	1.178	0.011217882	0.043548015
ENSG00000196642	RABL6	5.595	0.272	1.208	0.011219812	0.043548015
ENSG00000076003	MCM6	4.688	-0.205	0.868	0.011228183	0.04356435
ENSG00000012660	ELOVL5	5.481	0.228	1.171	0.01126366	0.043685807
ENSG00000185745	IFIT1	3.990	-0.335	0.793	0.011274166	0.043686892
ENSG00000131375	CAPN7	5.332	-0.208	0.865	0.011275587	0.043686892

ENSG00000184009	ACTG1	9.985	0.243	1.184	0.01127646	0.043686892
ENSG00000181894	ZNF329	2.786	-0.183	0.881	0.011307166	0.043789648
ENSG00000105497	ZNF175	3.329	-0.291	0.817	0.011315929	0.04379342
ENSG00000149308	NPAT	3.474	-0.274	0.827	0.011325836	0.04379342
ENSG00000006377	DLX6	3.155	-0.285	0.821	0.011326296	0.04379342
ENSG00000213080		2.870	-0.247	0.843	0.011327711	0.04379342
ENSG00000151746	BICD1	2.799	0.373	1.295	0.011329058	0.04379342
ENSG00000174640	SLCO2A1	2.524	-1.071	0.476	0.011333626	0.043794905
ENSG00000134755	DSC2	3.581	0.694	1.617	0.011345379	0.043824145
ENSG00000163125	RPRD2	5.144	-0.259	0.836	0.011350289	0.043825823
ENSG00000153187	HNRNPU	7.462	-0.148	0.902	0.011354187	0.043825823
ENSG00000177453	NIM1K	3.952	0.234	1.176	0.011379931	0.043909002
ENSG00000213676	ATF6B	5.848	-0.183	0.881	0.011385886	0.043915791
ENSG00000055208	TAB2	6.000	-0.198	0.872	0.011431208	0.044074361
ENSG00000142178	SIK1	4.621	0.611	1.527	0.011436307	0.044077785
ENSG00000072422	RHOBTB1	5.045	-0.301	0.811	0.011472524	0.044201096
ENSG00000164209	SLC25A46	5.172	-0.182	0.881	0.011499084	0.044287126
ENSG00000048028	USP28	3.851	-0.245	0.844	0.011525568	0.044372803
ENSG00000196653	ZNF502	2.660	-0.217	0.860	0.011531427	0.044379034
ENSG00000146535	GNA12	5.724	0.175	1.129	0.011589817	0.04458736
ENSG00000104320	NBN	4.850	-0.249	0.842	0.011675586	0.044900822
ENSG00000145029	NICN1	3.280	-0.401	0.757	0.011719908	0.045054719
ENSG00000117480	FAAH	4.253	0.287	1.220	0.011758845	0.045187809
ENSG00000177106	EPS8L2	6.992	0.182	1.134	0.01179376	0.045305351
ENSG00000152022		5.287	-0.154	0.899	0.01180237	0.045316791
ENSG00000134851	TMEM165	5.634	0.179	1.132	0.011805396	0.045316791
ENSG00000147862	NFIB	5.628	-0.264	0.833	0.011828415	0.045372246
ENSG00000188677	PARVB	4.223	0.322	1.250	0.011829182	0.045372246
ENSG00000112062	MAPK14	4.894	0.153	1.112	0.011832846	0.045372246
ENSG00000133424	LARGE1	2.714	-0.225	0.855	0.011839332	0.045380494
ENSG00000108950	FAM20A	2.858	-0.805	0.572	0.011845983	0.0453888
ENSG00000134897	BIVM	4.060	-0.173	0.887	0.011851518	0.0453888
ENSG00000001460	STPG1	2.814	0.220	1.165	0.011854507	0.0453888
ENSG00000034510	TMSB10	7.044	0.674	1.595	0.011882143	0.045477978
ENSG00000177427	MIEF2	3.278	-0.198	0.871	0.011901707	0.045536208
ENSG00000130165	ELOF1	4.797	0.278	1.213	0.01190708	0.045540122
ENSG00000107372	ZFAND5	7.161	-0.230	0.853	0.011952766	0.045698158
ENSG00000137822	TUBGCP4	4.451	-0.215	0.862	0.011982111	0.045783875
ENSG00000141562	NARF	5.542	0.237	1.179	0.011983934	0.045783875
ENSG00000173011	TADA2B	4.428	-0.188	0.878	0.012004288	0.045833147
ENSG00000141140		4.431	0.199	1.148	0.012005587	0.045833147
ENSG00000006757	PNPLA4	3.725	0.178	1.131	0.012027941	0.045901743
ENSG00000175970	UNC119B	5.269	-0.248	0.842	0.012054521	0.045970104
ENSG00000117676	RPS6KA1	3.086	-0.271	0.829	0.012054637	0.045970104
ENSG00000100991	TRPC4AP	6.291	0.127	1.092	0.012088192	0.04606583
ENSG00000107679	PLEKHA1	6.711	0.288	1.221	0.01208854	0.04606583
ENSG00000149532	CPSF7	5.977	-0.181	0.882	0.012126711	0.046172328
ENSG00000142556	ZNF614	2.865	-0.260	0.835	0.012128152	0.046172328
ENSG00000113643	RARS	5.578	0.140	1.102	0.012129719	0.046172328
ENSG00000049656	CLPTM1L	6.268	0.161	1.118	0.012146528	0.046219504
ENSG00000004777	ARHGAP33	3.498	0.195	1.145	0.01216947	0.046289974
ENSG00000106025	TSPAN12	2.617	0.271	1.207	0.012184171	0.046329061

ENSG0000067048	DDX3Y	5.347	-0.557	0.680	0.012208777	0.046405766
ENSG00000234745	HLA-B	8.619	-0.396	0.760	0.012218384	0.046414142
ENSG00000198300	PEG3	4.276	-0.359	0.780	0.012223219	0.046414142
ENSG00000198355	PIM3	5.930	-0.261	0.834	0.012224283	0.046414142
ENSG00000071242	RPS6KA2	3.727	-0.321	0.800	0.012230278	0.046420068
ENSG00000187514	PTMA	8.331	0.238	1.179	0.012299596	0.046666246
ENSG00000010017	RANBP9	5.601	0.177	1.130	0.012332549	0.046774321
ENSG00000234664	HMGN2P5	4.154	-0.183	0.881	0.012345547	0.046806658
ENSG00000110888	CAPRN2	4.748	-0.236	0.849	0.01237523	0.046884695
ENSG00000099949	LZTR1	5.437	0.125	1.090	0.012378295	0.046884695
ENSG00000151470	C4orf33	2.848	-0.187	0.878	0.012379566	0.046884695
ENSG00000122482	ZNF644	3.850	-0.206	0.867	0.012387888	0.046899245
ENSG00000133193	FAM104A	3.083	-0.280	0.824	0.012412837	0.046976708
ENSG00000107554	DNMBP	4.422	0.201	1.150	0.012439827	0.047043065
ENSG00000176422	SPRYD4	2.869	-0.211	0.864	0.012441385	0.047043065
ENSG00000187210	GCNT1	4.617	-0.332	0.795	0.012443852	0.047043065
ENSG00000107130	NCS1	3.397	0.369	1.292	0.012450969	0.047052977
ENSG00000186687	LYRM7	3.857	-0.216	0.861	0.012482383	0.047154668
ENSG00000012822	CALCOCO1	6.601	-0.258	0.836	0.012536628	0.047342503
ENSG00000182873	PRKCZ-AS1	3.169	-0.415	0.750	0.012545992	0.047360782
ENSG00000127083	OMD	8.498	0.527	1.441	0.01257686	0.047450583
ENSG00000038274	MAT2B	5.862	-0.193	0.875	0.012583062	0.047450583
ENSG00000196365	LONP1	5.921	0.185	1.137	0.01258338	0.047450583
ENSG00000005882	PDK2	3.241	-0.251	0.840	0.012594695	0.047476151
ENSG00000118276	B4GALT6	4.331	-0.288	0.819	0.012600169	0.047479686
ENSG00000197056	ZMYM1	3.143	-0.305	0.809	0.012604817	0.047480111
ENSG00000162704	ARPC5	6.171	0.256	1.194	0.012630716	0.047560552
ENSG00000081019	RSBN1	4.310	-0.234	0.850	0.012643831	0.047569732
ENSG00000153066	TXNDC11	5.782	0.136	1.099	0.012646101	0.047569732
ENSG00000165813	CCDC186	4.708	-0.362	0.778	0.012646787	0.047569732
ENSG00000109220	CHIC2	3.509	0.185	1.137	0.012699213	0.04774977
ENSG00000082196	C1QTNF3	4.401	0.470	1.385	0.012724159	0.047826391
ENSG00000270015		3.403	-0.464	0.725	0.012780255	0.048019994
ENSG00000204253	HNRNPCP2	4.542	-0.194	0.874	0.012785828	0.048023699
ENSG00000140350	ANP32A	5.873	-0.178	0.884	0.012795276	0.048041948
ENSG00000145901	TNIP1	6.467	0.158	1.115	0.01281151	0.048085653
ENSG00000206530	CFAP44	4.310	-0.382	0.768	0.012847366	0.048202947
ENSG00000133460	SLC2A11	2.766	-0.218	0.860	0.012906502	0.048407477
ENSG00000139719	VPS33A	2.785	0.241	1.181	0.012958239	0.048584113
ENSG00000105662	CRTC1	4.550	0.236	1.178	0.012990694	0.048688359
ENSG00000148180	GSN	9.956	-0.312	0.806	0.01304591	0.048877804
ENSG00000122417	ODF2L	4.179	-0.215	0.862	0.01306799	0.048943013
ENSG00000049860	HEXB	7.281	-0.190	0.876	0.013076939	0.048959014
ENSG00000085719	CPNE3	6.390	-0.204	0.868	0.013113772	0.049079358
ENSG00000165757	KIAA1462	4.921	-0.352	0.784	0.013142243	0.049168336
ENSG00000146416	AIG1	5.496	0.160	1.117	0.01316243	0.049218252
ENSG00000086504	MRPL28	4.848	0.373	1.295	0.013164989	0.049218252
ENSG00000081985	IL12RB2	2.842	-0.375	0.771	0.01317879	0.049252257
ENSG00000171862	PTEN	6.134	0.152	1.111	0.01319945	0.049310382
ENSG00000197083	ZNF300P1	3.502	-0.278	0.825	0.013210621	0.049310382
ENSG00000139546	TARBP2	3.772	0.276	1.211	0.013210967	0.049310382
ENSG00000026652	AGPAT4	6.336	0.226	1.170	0.013213185	0.049310382

ENSG00000147804	SLC39A4	2.884	0.379	1.301	0.0132237	0.049332036
ENSG00000135940	COX5B	5.341	0.386	1.307	0.013249903	0.04941218
ENSG00000111615	KRR1	3.898	-0.245	0.844	0.013257504	0.049422916
ENSG00000156642	NPTN	7.631	0.179	1.132	0.013286976	0.049515153
ENSG00000138031	ADCY3	4.338	-0.411	0.752	0.013341762	0.049701623
ENSG00000182022	CHST15	4.492	0.286	1.219	0.013351212	0.049719133
ENSG00000130766	SESN2	3.351	0.241	1.181	0.013400259	0.049869586
ENSG00000099810	MTAP	3.766	-0.171	0.888	0.013401141	0.049869586
ENSG00000157216	SSBP3	4.894	-0.215	0.861	0.013412149	0.049892814
ENSG00000253304	TMEM200B	2.985	-0.279	0.824	0.0134214	0.04990949
ENSG00000244754	N4BP2L2	6.445	-0.192	0.876	0.013431351	0.049926597
ENSG00000113732	ATP6V0E1	6.527	0.268	1.204	0.013437171	0.049926597
ENSG00000120333	MRPS14	4.024	-0.154	0.899	0.013440308	0.049926597